



AGENDA
CITY OF GLENWOOD SPRINGS
REGULAR CITY COUNCIL MEETING
JANUARY 3, 2019
101 W. 8TH STREET
6:00 PM

The agenda is subject to change, including the addition of items 24 hours in advance or the deletion of items at any time.

The order and times of agenda items listed are approximate and intended as a guideline for the City Council.

TIME	ITEM	PRE-MEETING	ACTION
9:00am	1	Review of Regular Session Agenda	Information/Discussion
	2	Future Agendas	Information/Discussion
	3	Council Comments	Information
	4	City Manager Update	Information
MORNING WORK SESSION(S)			
9:30am	A.	Tax Initiative Considerations in the April 2019 Election	Information/Discussion
10:30am	5	Executive Session	
	A.	Executive Session to Discuss a Personnel Matter Under C.R.S. 24-6-402(4)(f), More Precisely to Conduct the City Managers Review	Information/Discussion
AFTERNOON WORK SESSION(S)			
4:00pm	A.	RFQ on Confluence	Information/Discussion
5:00pm	B.	Arts and Culture Board	Information/Discussion
5:45pm	Meeting Set-up		
REGULAR SESSION			
6:00pm	6	Roll Call	Quorum
	7	Pledge of Allegiance	
	8	Agenda Changes	Information
	9	Conflict of Interest Disclosure	Information
	10	Citizens Appearing Before Council (for items not on the Agenda-comments limited to 3 minutes)	Information Only
	11	Council Comments	Information/Discussion
	12	Consent Agenda	Discussion and/or Action
	A.	Receipt of Minutes for December 6, 2018 Regular Meeting	
	B.	Ride Glenwood Springs - Adoption of Statewide Transit Asset Management Plan	
	C.	Approval of Municipal Judge's Contract	
	D.	Resolution 2019-1, A Resolution of the City Council of the City of Glenwood Springs, Colorado, Designating a Public Place for Posting Meeting Notices during Calendar Year 2019	

- E. Authorization for Procurement of Landscaping, Irrigation and Lighting Design for Two Rivers Park Stabilization Project
- F. Resolution 2019-3 A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing the Purchase and Installation of Boulders to be Awarded by Sole Source Procurement
- G. Resolution 2019-4 A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing Sole Source Procurement for the Installation of Lighting Under the Grand Avenue Bridge
- H. Resolution 2019-5, A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing the Mayor or Mayor Pro Tem to Execute the Bill of Sale Related to the Grand Avenue Pedestrian Bridge

ACTIONS AND/OR PRESENTATIONS

- | | | |
|----|---|--------------------------|
| 13 | Glenwood Springs Summer of Music Update | |
| | A. Glenwood Springs Summer of Music Update | Presentation |
| 14 | Noxious Weeds | |
| | A. Noxious Weeds Management Plan | Discussion and/or Action |
| 15 | Tourism Board | |
| | A. Tourism Board Presentation and Request for Funding | Discussion and/or Action |
| 16 | Review and Accept Bid for the Construction of 7th Street Streetscape Improvements | |
| | A. Review and Accept Bid for the Construction of 7th Street Streetscape Improvements | Discussion and/or Action |
| 17 | Planning Item 15-18 and Ordinance No 1, Series of 2019 | |
| | A. Planning item 15-18 - Consideration of a Rezoning to PUD (amendment of an existing PUD), a Major Site/Architectural Plan Review, and Preliminary Plat | Discussion and/or Action |
| | B. Ordinance No. 1, Series of 2019; AN Ordinance of the City of Glenwood Springs, Colorado, Amending the Cardiff Glen Planned Unit Development (PUD) (FIRST READING) | Discussion and/or Action |
| 18 | Ordinance No 2, Series of 2019 | |
| | A. Ordinance No 2, Series of 2019; An Ordinance of the City of Glenwood Springs, Colorado, Rezoning Property Owned by Iron Mountain Hot Springs, LLC known as 281 Centennial Street, Glenwood Springs, Colorado, from Mixed Use (M1) to Resort (RE) Zoning. (FIRST READING) | Discussion and/or Action |
| 19 | 7th Street Waste Water Treatment Facility Demolition Options Phase 2 | |
| | A. Existing (Out of Commission) Waste Water Treatment Facility Demolition Options Phase 2 | Discussion and/or Action |
| 20 | Downtown Parking | |
| | A. Downtown Parking | Discussion and/or Action |
| 21 | Report from City Administration | Information |
| | A. City Manager | |

- B. City Attorney
- C. Correspondence Incoming/Outgoing
- 22 Council Reports on Boards, Committees and Commission Meetings Information
- 23 Executive Session Information/Discussion
 - A. Executive Session to Conduct a Conference with the City Manager and City Attorney for the Purpose of Discussing the City's Purchase, Acquisition, Lease, Transfer or Sale of Real Property; Determining Positions Relative to Matters That May be Subject to Negotiations, Developing Strategy for Negotiations, and Instructing Negotiators; and to Conduct a Conference with the City Attorney to Receive Legal Advice in Accordance with C.R.S. 24-6-402(4)(a), (b) and (e), related to Hanging Lake Shuttle, MEAN, Parking, Garfield Industrial Development, Infrastructure Funding and MOC
- 24 Adjournment



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Tax Initiative Considerations in the April 2019 Election

Action Requested: Determine whether to put a .75% sales tax for street repair on the April 2019 election ballot.

Department: City Administration

Presented By: Debra Figueroa, City Manager
Matthew Langhorst, Director Public Works

Background Info: Council voted to put a fire/EMS tax on the ballot in 2018 and not a street or attractions tax that might jeopardize the fire tax. Council was in agreement that our streets need attention and that we need a source of revenue to address their condition, but opinions were split on the timing of the ballot question.

Staff has pulled together a specific plan outlining which streets will be focused on and when. The Financial Advisory Board and Community on the Move have discussed the advantages and disadvantages of an initiative either an April 2019 or November 2020 election. Both groups support a .75% sales tax being added to the April 2019 election. A memo from FAB, the 2019 Street Tax Fund budget and the results of our polling from May 2018 are attached.

Issues: An attractions tax has also been discussed in the past few months. The general consensus from staff, FAB and Community on the Move is that there should be no more than one tax presented in April 2019. Because the attractions tax is more complicated it was decided to focus first on a street tax. Recent polling results and anecdotal discussions in the community suggest that this tax will pass, but its success is not guaranteed. The attached memo outlines several issues that have been identified as potential threats to voter approval. Staff, Community on the Move and FAB believe these can be mitigated but Council's support and active participation in the campaign will be needed.

Staff Recommendation: Staff supports adding the tax question to the April 2019 ballot.

MEMORANDUM

TO: Glenwood Springs City Council
FROM: Financial Advisory Board
DATE: January 3, 2019
SUBJECT: **Tax Initiative Considerations in the April 2019 Election**



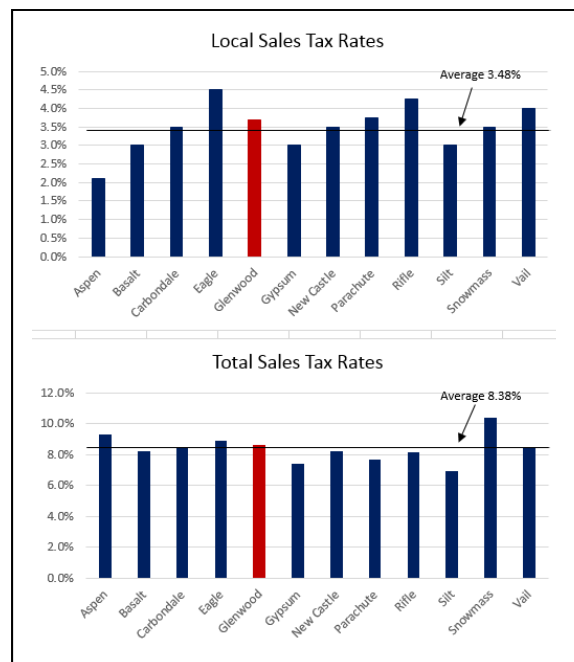
On December 17th the Financial Advisory Board (FAB) hosted members of Community on the Move to discuss the possibility of an attractions tax, a streets tax or both being added to the April 2019 election. FAB was pleased with Community on the Move's attendance and appreciate their time and input. In attendance were Kathryn Trauger, Ksana Oglesby, Terri Miller, Charlie Willman, Munro Wilcox, Steve Beckley, Jim Ingraham, Jonathan Godes, Steve Boyd, Yvette Gustad, Debra Figueroa, Matt Langhorst, Terri Partch, Jenn Ooten, Suzanne Stewart, Dylan Lewis, Angie Anderson, Bill Kight, Lisa Langer, Mark Gould, John Bosco, Trent Blizzard, Judy McDonald, Breanna McCallum, Karl Hanlon, Mike McCallum, Greg Rippy and Marianne Virgili. Together the group agreed that issues around an attractions tax are complicated enough that it is not realistic to get this on the ballot in 2019 and decided to focus on a streets tax.

City staff provided a summary of the existing tax that included the following:

- A sales tax was passed in 2005 of .5% for 20 years and expires on December 31, 2026.
- Current revenue generated from the tax is approximately \$2.5 million.
- Debt service (finished in 2026), interfund cost of service and the fund's contribution of sales tax TIF to the DDA account for approximately \$700,000 of that revenue. The balance is dedicated to repair and maintenance, the 2019 Street Tax budget is included with this memo.
- Staff believes that amount may be sufficient for street maintenance if all City streets were currently in good condition but there is not adequate revenue to fix failing streets or replace the utility infrastructure beneath them. Assuming passage of an increase in sales tax all City streets could be renovated and brought into good condition within 20 years. Public Works and Engineering have developed a street-by-street timeline at different revenue assumptions.

Street improvements cannot be addressed without also considering the underlying utility infrastructure which includes an analysis of cost, equipment needs and staffing constraints. It is also important to consider installation of fiber optic so that high speed internet is available throughout the City. This is critical to attracting new high paying jobs and maintaining a vibrant citizen mix within the City. Also discussed was the idea of repealing the existing .5% tax and replacing it with a 1.0% or 1.25% tax rather than renewing the existing tax in 2026. The group talked through several concerns that were raised about the likelihood of the initiative passing including:

- The current sales tax rate in Glenwood is 3.7%. Adding .75% would bring it to 4.45%. The total tax rate paid by retail customers would rise from 8.6% to 9.35%.



- Glenwood passed a 1.0% sales tax renewal for the A&I fund in November of 2016, and to date there is little that the community sees as a direct benefit from that tax. This will soon change as the 27th Street Bridge, 7th Street and South Midland projects get underway.
- Political and economic uncertainty at the macro level could influence voter opinion between now and election date. However, that does not mean the environment will be better in 2020.
- The time to educate people about the proposed street tax is limited. The recreational marijuana, marijuana excise tax and recent fire tax renewal all faced short timelines, and all passed. Our polling data suggests that a street tax would have passed had it been included on the 2018 ballot. Poll results from May 2018 are included at the end of this memo.
- Fundraising for the Fire and EMS tax proposed in November 2018 was more difficult than prior initiatives, though the tax passed easily.
- City Council should be unanimous in its decision to put a tax on the ballot and must individually participate in the efforts to seek passage much more than Council members have in the past. Council cannot rely on Community on the Move to do this alone.
- Ballot language needs to include related utility work and be restrictive enough that future Councils could not allocate the funds for other purposes. This money must be used only to bring all existing streets into good condition while at the same time repairing and replacing underlying infrastructure.

In addition to the question of whether the tax would pass, there were several concerns offered about its administration that included:

- Does the City have enough staff to complete the work and should we add a question allowing the City to issue some debt to accelerate the construction process where it makes sense?
- Will such a high degree of construction over the next few years irritate residents too much?
- Can allowable expenditures include simultaneous replacement of utilities under the street, and will these funds be tracked separately from existing street tax revenue?

FAB and Community on the Move were in agreement on the need for additional resources to address our streets, the issue was whether to get it on the ballot in April 2019 or November 2020. Staff believes the concerns outlined above can be mitigated. The meeting concluded with an informal vote asking those present to raise their hands if they opposed an April 2019 street tax of .75% and only one hand went up out of approximately 25 people in the room at the time. FAB was unanimous in its support of this tax.

FAB has been supportive of pursuing additional sources of revenue to fund needed government services and has had several conversations in the past year-and-a-half about which tax, when, how much and for how long to seek such revenue. After additional conversation and Community on the Move's input FAB would like to encourage Council to put a permanent .75% sales tax for street repairs on the April 2019 ballot. We believe chances for success are optimized if staff has developed a specific but flexible plan, by street and by year, and that the ballot question narrowly defines allowable expenditures to prevent allocation of resources to unintended purposes. The street renovation plan must be "fixed in concrete" so that the citizens know this is how the money will be spent while at the same time allowing Council limited flexibility to meet future changing needs of the City's street and infrastructure system. The Board is grateful to have the opportunity to contribute and hope this is helpful to Council. Please let us know if you have any questions or would like FAB to consider anything else.

Sincerely,

Financial Advisory Board

Kathryn Trauger (Chair); Ksana Oglesby (Vice-Chair); Steve Beckley; Ted Edmonds; Annette Franta; Eric Kushto; Terri Miller; Dan Sullivan; Munro Wilcox; Charlie Willman.

CITY OF GLENWOOD SPRINGS - 2019 BUDGET				
Summary of Revenues, Expenditures and Fund Balance (000's)				
STREET TAX FUND	2017 Actual	2018 Budget	2019 Budget	
			Manager Recommend	Council Approved
REVENUES				
REVENUES				
1130 Sales Tax	2,307.9	2,455.8	2,504.9	2,504.9
1140 Use Tax	81.9	148.7	48.6	48.6
1145 Audit Revenue	23.0	5.0	5.0	5.0
1390 Grants	560.0			
1400 Traffic Impact Fees		25.0	25.0	25.0
Traffic Impact Fees - Springbridge	20.1		.0	.0
3110 Cost Reimbursement		3.0	3.0	3.0
3120 Interest Income	38.5	16.0	25.0	25.0
3130 Miscellaneous Income	2.3			
Credit Card Convenience Fees	.4			
4100 Bond Proceeds				
Total Revenues	\$3,034.2	\$2,653.4	\$2,611.4	\$2,611.4
EXPENDITURES				
EXPENDITURES				
Sales and Use Tax Refund	2.1			
7145 Sales Tax TIF to DDA	86.4	67.2	89.9	89.9
7150 Audit Fees	4.9	2.5	5.1	5.1
7151 Credit Card/ACH Check	.9		.9	.9
7160 Economic Incentive Rebate	6.0	20.0	6.2	6.2
7900 Interfund Cost of Service	280.5	286.1	291.8	291.8
8090 Other Expenditures	4.0			
Street Projects:				
XX07 South Midland Improvements (in A&I)	.1			
3620 Grand Avenue Bridge	1.7			
Downtown alley reconstruction project	56.7			
Ped. & Bicycle Path Improv. (W. Midland	739.6			
W. 10th & Red Mountain Drive Design	56.1			
Grand Ave Pedestrian Bridge at 14th St.	173.3			
Midland/Devereaux bridge design	84.4			
South Midland Design	150.7			
Grand Ave Bridge Mitigation	211.7			
8th Street Connection	209.2	500.0	100.0	100.0
Chip Seal Donegan and Devereaux Roads	191.6	12.5		
Pavement Mgmt Software and Data Collection	35.1		50.0	50.0
22nd Street	4.0		400.0	400.0
Crack seal/patching - city-wide as needed		50.0	50.0	50.0
Street Maintenance - city-wide as needed	87.6	825.0	875.0	875.0
Street Striping	10.4	75.0	80.0	80.0
Safe Routes to Schools Improvements	27.1	25.0	25.0	25.0
Sidewalk or ADA ramp replacement		10.0	10.0	10.0
GAB 7th Street Port-a-potties	3.6	4.0		
Maintenance - Traffic Signals		7.5	7.5	7.5
Equipment Rental/Snow Removal		130.0	120.0	120.0
Traffic Calming			50.0	50.0
Signs			13.0	13.0
Traffic Control Devices			15.0	15.0
Stormwater Maintenance			3.0	3.0
Guardrail Maintenance Material			5.0	5.0
Street Patching Material			45.0	45.0
Ice Removal - Deicer			33.0	33.0
Street Striping -Thermoplastic			15.0	15.0
Alley Maintenance			100.0	100.0
Debt Service				
2015 Sales & Use Tax Bond - I	255.0	255.0	255.0	255.0
2015 Sales & Use Tax Bond - P	64.3	64.3	64.3	64.3
Bond Admin Fee	.6			
Total Expenditures	\$2,747.3	\$2,334.1	\$2,709.8	\$2,709.8
EXCESS REVENUES OVER (UNDER) EXPENDITURES				
Excess Revenues Over (Under) Expenditures	\$286.9	\$319.3	(\$98.3)	(\$98.3)
TRANSFERS				
Transfers In (Out)	266.9			
Transfer from Capital Projects Fund				
Transfer to A&I for 27th Street Bridge		(90.0)	(74.0)	(74.0)
Total Transfers In and Out	\$266.9	(\$90.0)	(\$74.0)	(\$74.0)
EXCESS REVENUES OVER (UNDER) EXPENDITURES AND TRANSFERS				
Excess Revenues Over (Under) Expenditures and Transfers	\$553.8	\$229.3	(\$172.3)	(\$172.3)
FUND BALANCE				
Fund Balance - Beginning	\$2,892.0	\$3,445.8	\$3,675.1	\$3,675.1
Fund Balance - Ending	3,445.8	3,675.1	3,502.7	3,502.7
Less: Restricted - Tabor Reserve	(74.2)	(79.6)	(78.3)	(78.3)
Less: Restricted - Bond Proceeds	(2,294.5)	(1,794.5)	(194.5)	(194.5)
Less: Committed - Various	(145.4)	(145.4)	(226.9)	(226.9)
Less: Contingency Reserve (25%)	(686.8)	(583.5)	(677.4)	(677.4)
Fund Balance - Unallocated	\$244.9	\$1,072.1	\$2,325.6	\$2,325.6
Reserves Available to Council=>	931.7	1,655.6	3,003.0	3,003.0



Survey of Voters in Glenwood Springs

June 2018

Prepared For:



FP FREDERICKPolls

SURVEY METHODOLOGY & SAMPLE DEMOGRAPHICS

- **Total Sample Size:** 300 interviews with 75% City of Glenwood springs (n=225); 25% Unincorporated (n=75)
- **Eligibility:** Likely November 2018 General Election Voters
- **Interview Dates:** April 17-May 9, 2018.
- **Margin of Error:** 4.0%
- **Interview Method:** Telephone with 69% cells.

Sample Demographics: n=300

Gender

Male	46%
Female	54%

Party Identity

Democrat	34%
Republican	22%
Independent/ Other	44%

Age

18-29	13%
30-39	18%
40-49	19%
50-59	12%
60-64	10%
65-Up	26%

Home

Own	72%
Rent	24%

Years in Glenwood Springs

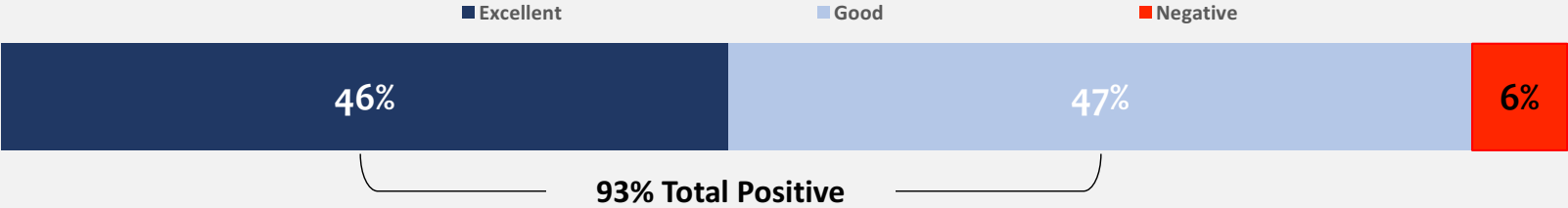
Born Here /30+ years	27%
Less than 3 years	5%
3-10 years	29%
11-30 years	37%

I. VOTER MOOD AND EVALUATIONS OF GSFD

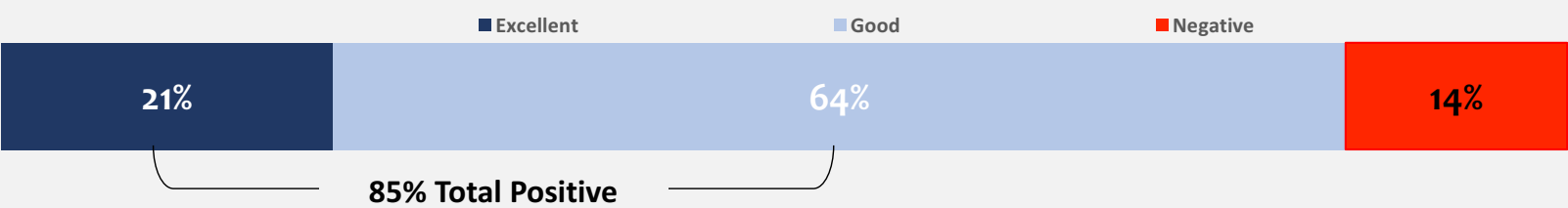
VOTER MOOD: QUALITY OF LIFE MEASURES

Area voters are highly positive on key factors of “quality of life” (93% positive), health of the local economy (85% positive) and most importantly for a tax ballot — “level of local taxes” (73% positive). Men over 40 are least positive on taxation but still 64% positive vs. 30% negative.

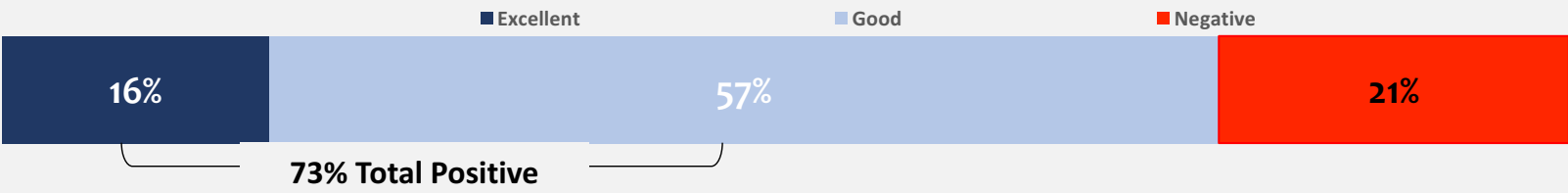
Overall Quality of Life



Health of Local Economy



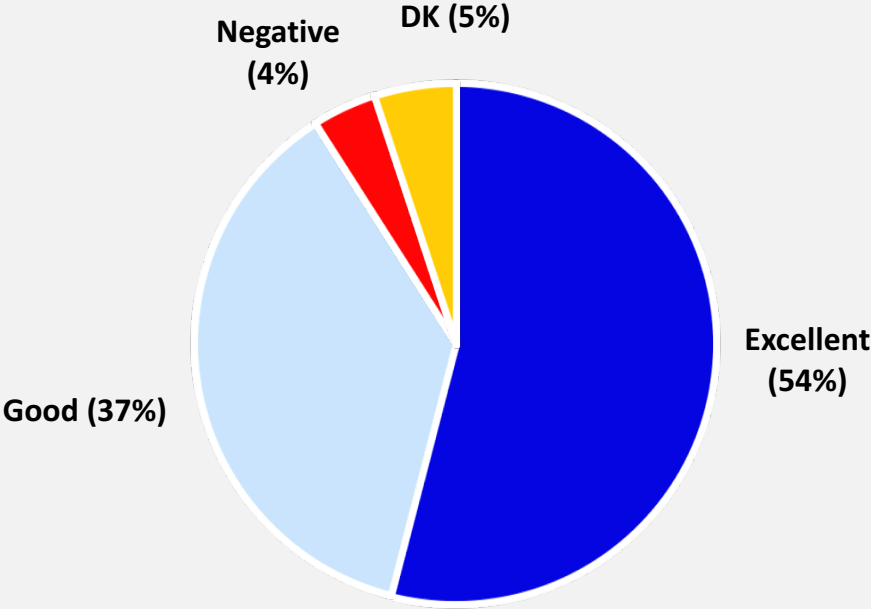
Reasonable Level of Local Taxes Given Services Provided



EVALUATION OF GSFD: GENERAL PERFORMANCE

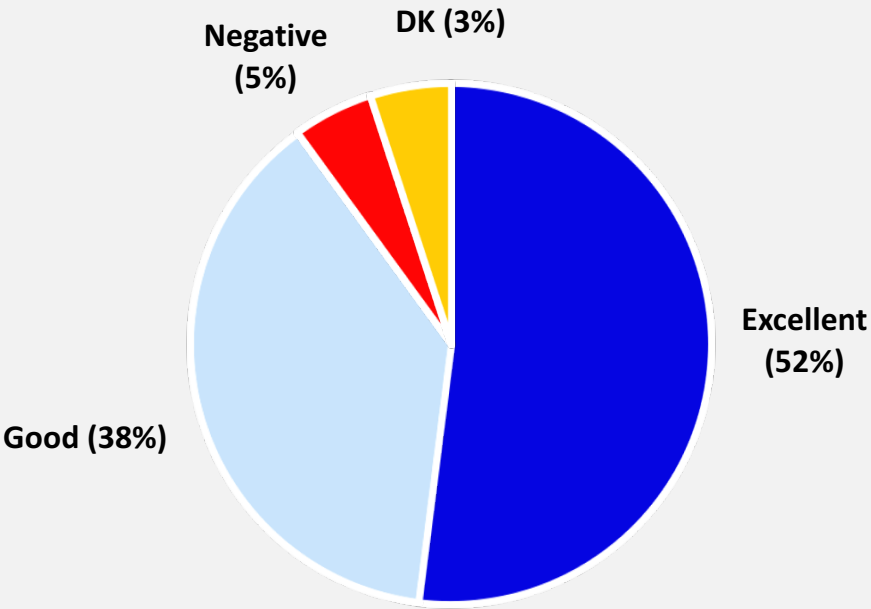
Both overall and specifically for EMS & Paramedic quality, area voters are 90% positive toward the job being done by GSFD. The majority give “excellent” (intense positive) evaluations. This is an extremely high level of support and satisfaction for a community institution and gives the District a great deal of credibility.

Job Rating: GSFD



**91%
Positive**

EMS and Paramedic Quality

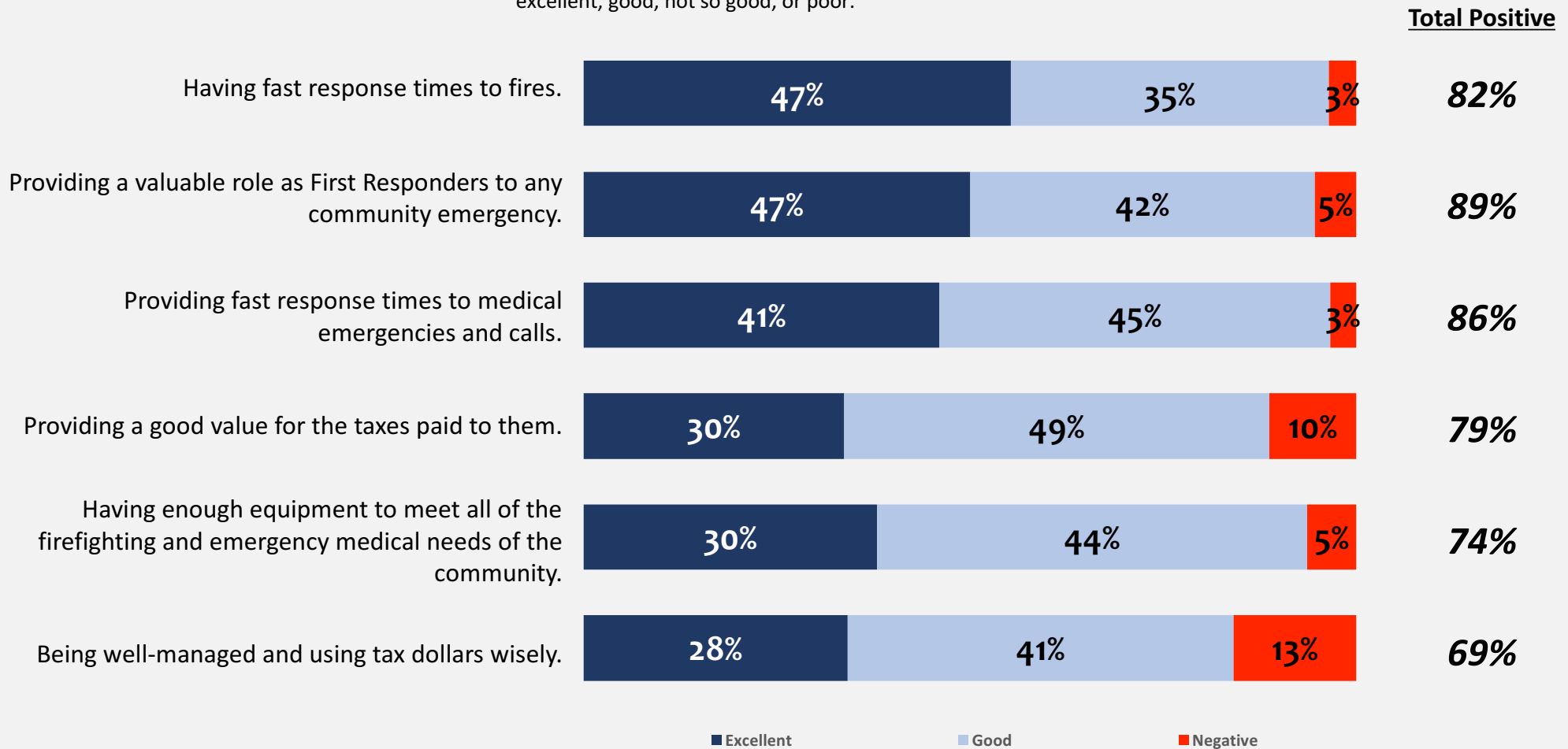


**90%
Positive**

EVALUATION OF GSFD: SPECIFIC PERFORMANCE DIMENSIONS

In addition to the overall job rating of GSFD of 91% positive (54% “excellent”), the District gets high marks on specific performance dimensions as well. 82% positive for fast response times to fires; 86% positive for medical emergency response times; 79% for “good tax value;” and 69% for “using tax dollars wisely, being well-managed”. Again, these are all good reflections of the District’s CREDIBILITY. The community VALUE of GSFD is shown in the 89% positive rating for “providing a valuable role as First Responders to any community emergency.” Ratings are also 74% positive for “having enough equipment” which a) reflects all other positive feelings for GSFD but, b) may create a bit of an obstacle to argue “more/new equipment is needed.”

Now a few specific questions about the job performance of the Glenwood Springs Fire and Rescue District. Rate their performance on each as either excellent, good, not so good, or poor.



II. GSFD BALLOTS

SUMMARY OF GSFD BALLOT QUESTIONS

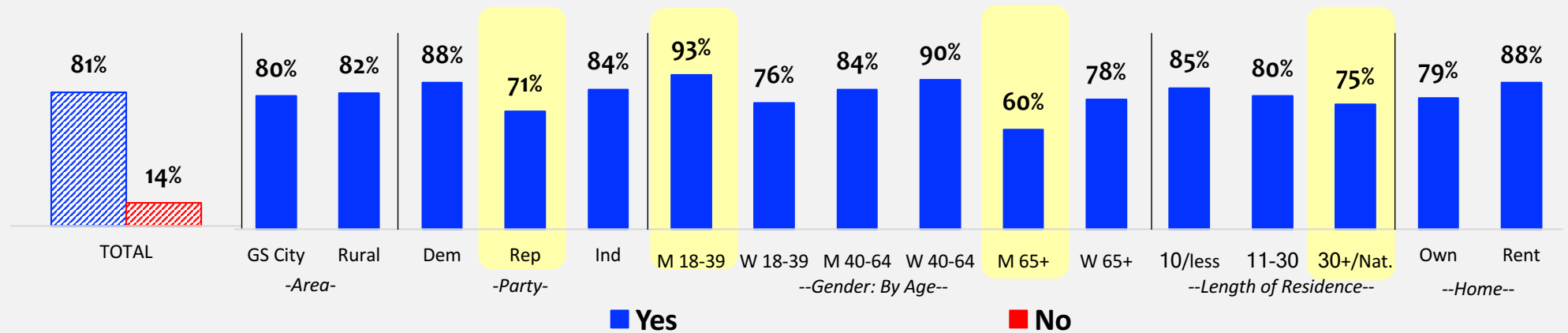
Ballot YES vote for renewing both GSFD Operations (81% YES) and Capital (76% YES) taxes are extremely encouraging. The support for 20-year renewal of both taxes reflects the broad community satisfaction and support for GSFD. Dropping the renewal period from 20 years to 10 years boosts each YES ballot by +6 / +7, but given the high initial support, such a compromise seems unnecessary. Increasing OPERATIONS tax drops YES vote by 25 points to 56%. CAPITAL ballot tax increase drops YES vote 30 points to 46%. Again, part of this hesitancy in giving more money to GSFD likely reflects how well voters think the District is doing with status quo level of funding.

	OPERATIONS Renewal 20 Years (\$1.20/mo. per \$100K value)	OPERATIONS Renewal 10 Years (\$1.20/mo. per \$100K value)	OPERATIONS Increase 20 Years (\$3.60/mo. per \$100K value)	CAPITAL Renewal 20 Years (\$2.70/mo. per \$100K value)	CAPITAL Renewal 10 Years (\$1.20/mo. per \$100K value)	CAPITAL Increase 20 Years (\$3.90/mo. per \$100K value)
Yes	81%	88%	56%	76%	82%	46%
No	14%	11%	36%	22%	16%	46%
Don't Know	5%	1%	8%	2%	2%	8%

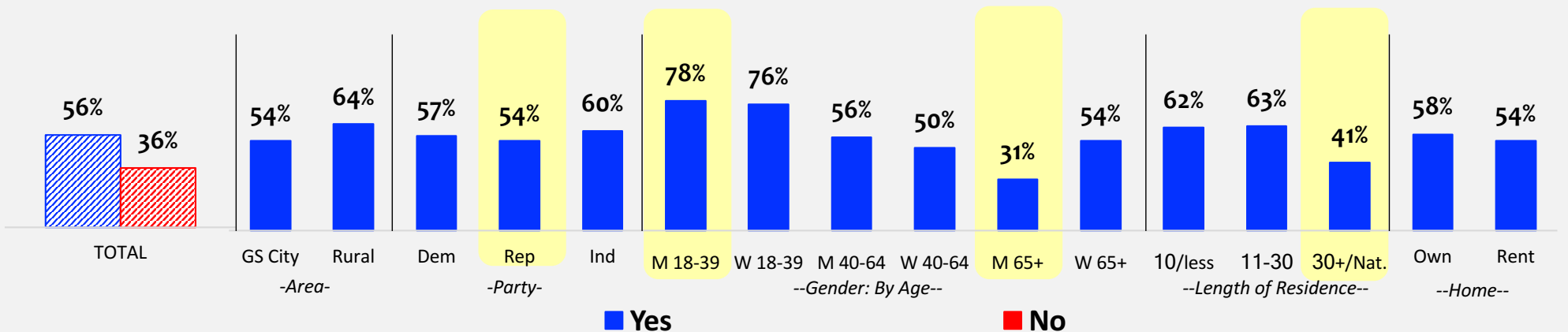
GSFD OPERATIONS TAX BALLOTS: BY SUBGROUPS

Renewal of GSFD Operations tax enjoys consistently broad support at or near 80% YES across both geographic areas and dips only slightly -- to 71% -- among Republicans and long-term residents (75%). Weakest support is among men 65+ (60% YES) while highest support comes from men 18-39 (93%). When an increase in GSFD operations tax is proposed, younger voters stay strongly in support but men 65+ drop off to just 31% YES and longest term residents drop to 41% YES. Republicans, however, stay over 50%.

Operations Renewal: Would you vote YES or NO to continue an expiring property tax for 20 more years that pays for firefighters, EMS paramedics, other Fire District personnel, and the cost of operating fire stations and life-saving equipment. This expiring property taxes equals \$1.20 per month for every 100 thousand dollars of property value?



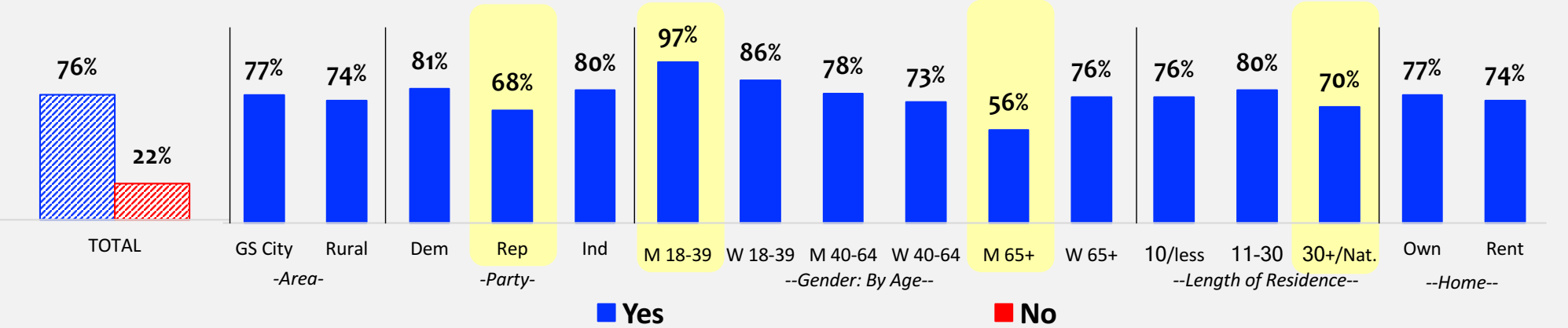
Operations Increase: If the GSFD property tax were continued and increased so that the total tax paid to Glenwood Springs Fire and Rescue District for 20 years equaled \$3.60 per month for every 100 thousand dollars of property value... would you vote YES or NO on this?



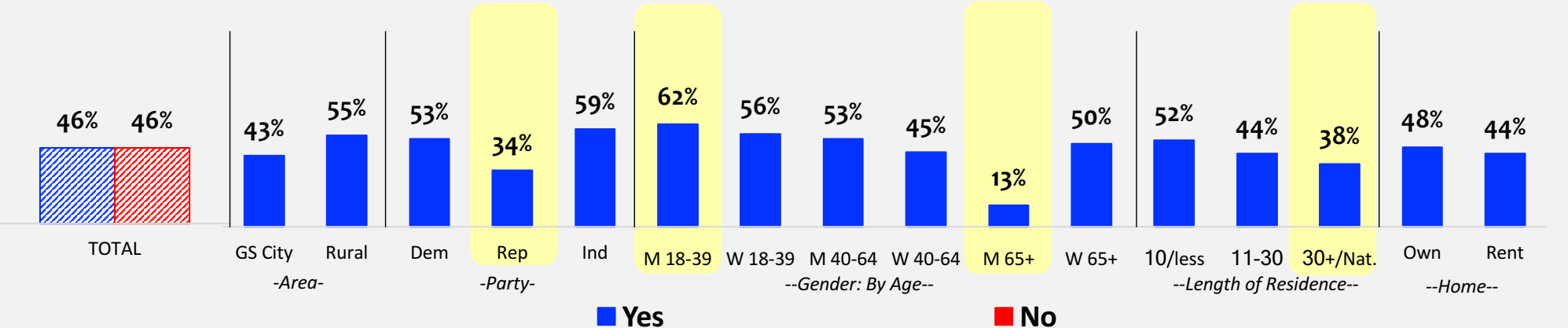
GSFD CAPITAL TAX BALLOTS: BY SUBGROUPS

A similar pattern in ballot vote happens on the more expensive Capital ballot for GSFD. YES vote for 20-year renewal is strong and consistent across jurisdiction and party with softness among older men & long-term residents... but YES vote is about 5 points lower than for the smaller Operations tax renewal. Increasing to \$3.90 per month per \$100K home value drops the YES ballot below 50% except for Democrats, newer residents and younger voters. This bigger “bite” runs behind YES for an operations tax increase and is clearly not popular enough to pass.

Capital Renewal: Would you vote YES or NO to continue the Glenwood Springs Fire and Rescue District property tax set to expire in two years that pays for fire trucks, wildfire fighting equipment, ambulances and fire station building repairs for a 20-year period that costs \$2.70 per month for every 100 thousand dollars of property value?



Capital Increase: And lastly, if the GSFD property tax was continued and increased for a 20-year period at a cost of \$3.90 per month for every 100 thousand dollars of property value... would you vote YES or NO on this?

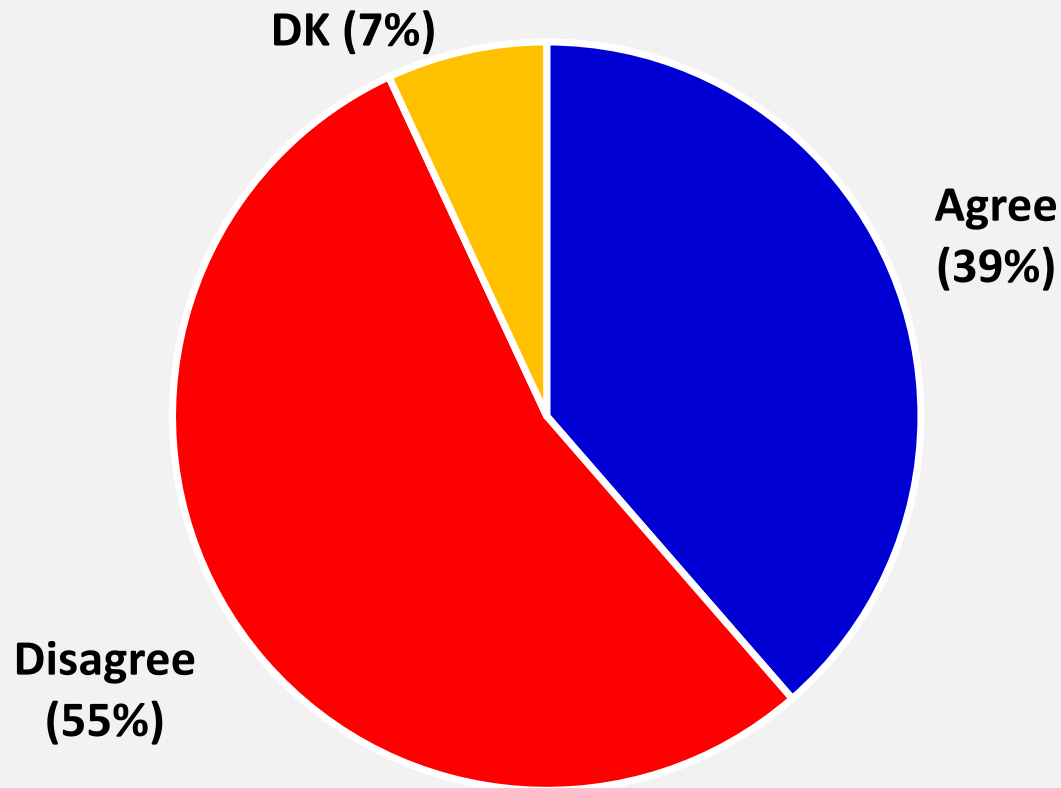


GSFD TAX: PERMANENT VS. RENEWAL

GSFD voters want to continue the renewal ballot vote; 55% disagree that a permanent fund would be better. Even a 53% majority of YES ballot voters want to be asked for renewal. So, while there is satisfaction, trust and credibility with the District, voters do not want to go so far as assuming that high level of positive performance will last forever.

Do you agree or disagree with this statement:

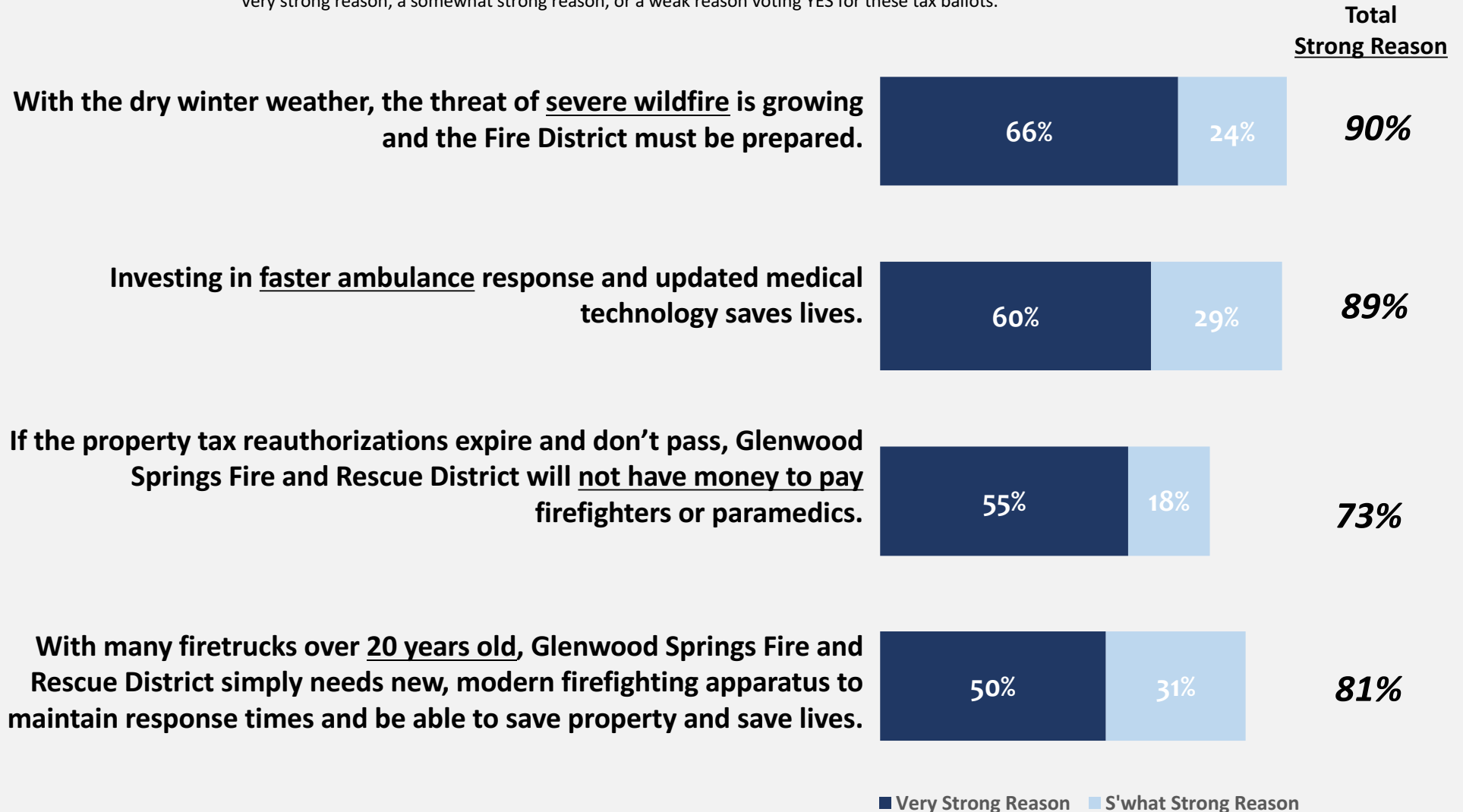
“When it comes to the property taxes collected for the Glenwood Springs Fire and Rescue District, it would be better if that tax and its rate was permanent and stayed in effect forever rather than be limited in the number of years it applies.”



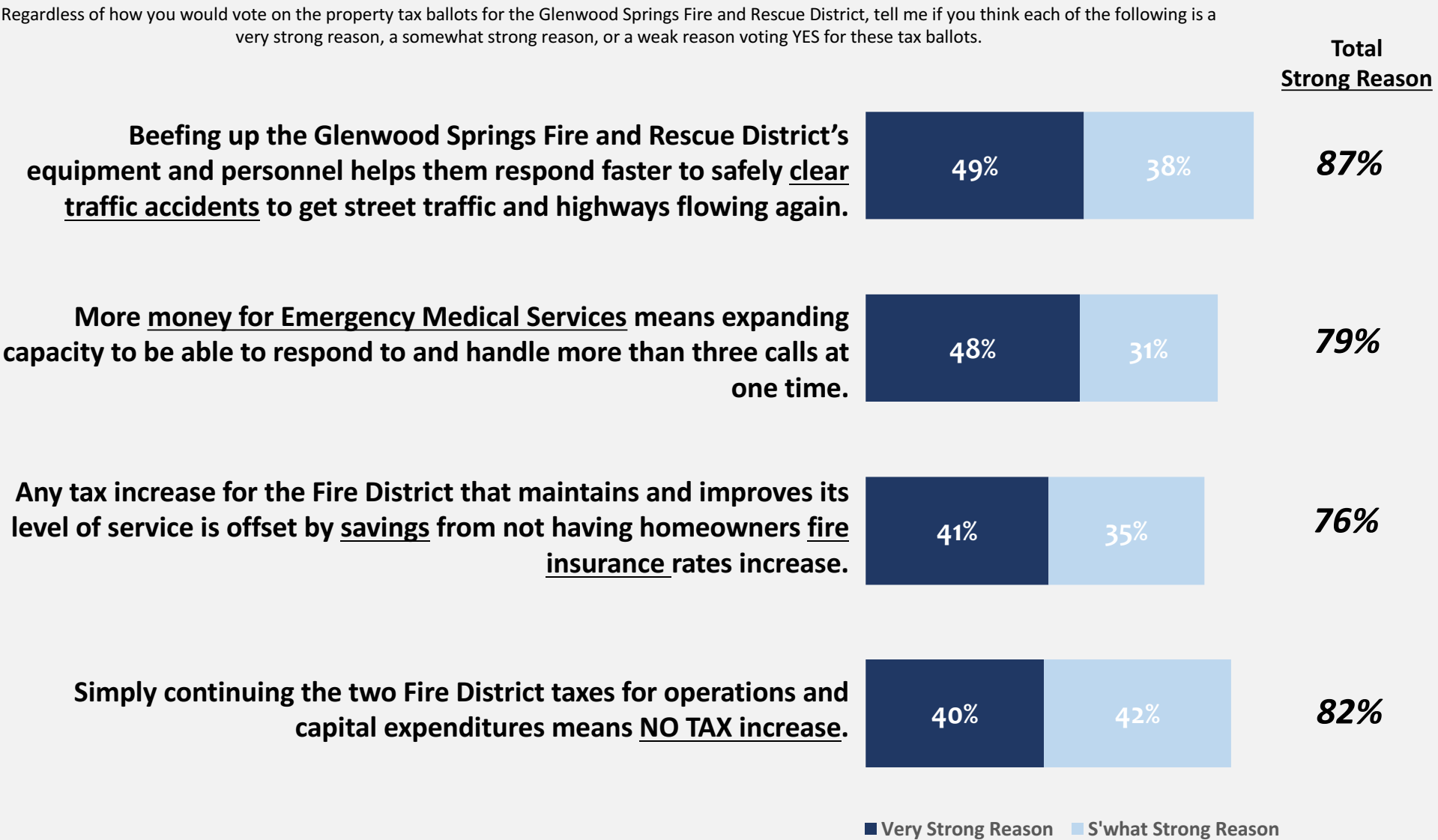
PRO-GSFD BALLOT MESSAGE TEST (1 of 2)

All 8 of the pro-tax ballot statements tested score at least 73% as “somewhat strong” reasons to support the ballots. Highest on “very strong” are “severe wildfire” threat from dry conditions (66%) and “faster ambulance response” that can save lives (60% strong). Faster response to clear accidents and get traffic flowing is a solid secondary appeal message to 87%. With these ratings, any and all of these messages are good ones... but clearly the consciousness about the threat from a dry winter on wildfires is top of mind and a big motivator to fund GSFD.

Regardless of how you would vote on the property tax ballots for the Glenwood Springs Fire and Rescue District, tell me if you think each of the following is a very strong reason, a somewhat strong reason, or a weak reason voting YES for these tax ballots.



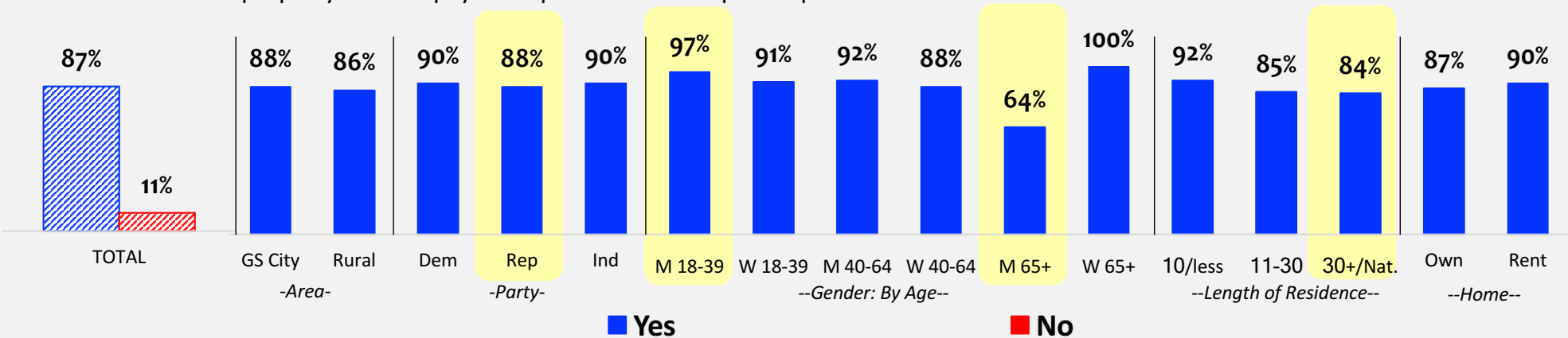
PRO-GSFD BALLOT MESSAGE TEST (2 of 2)



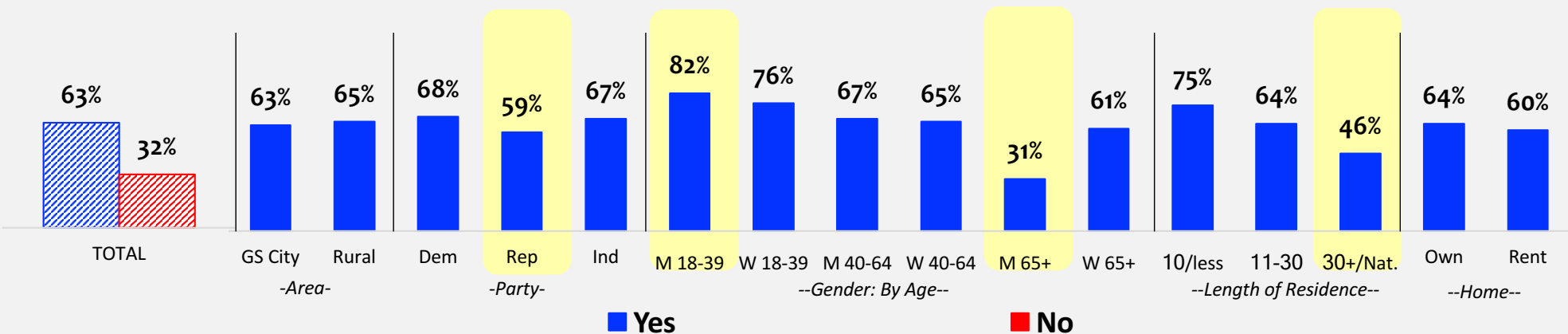
POST-MESSAGE GSFD TAX BALLOT VOTES

After exposure to the messages, 87% say they'd vote YES for renewing a combination of operations and capital GSFD taxes (no amount specified or time limit). This combo-generic ballot YES is higher than either initial YES ballot by 6 points (compared to 20 year operations renewal... but one point lower than the 88% for operations 10 year renewal). A generic "increase" for both (without time limitation) scores 64%... +8 above the previous specific amount operations increase YES vote. There is no doubt that a saturation level positive paid communications campaign could create a warmer ballot environment for GSFD tax increases. However, it is likely that the 64% YES for an increase measured here is more an artifact of a dominant positive information environment that would be difficult (and expensive) to replicate and benefits from the vagueness of the actual tax dollar increase. The 64% YES is more a reflection of the positive goodwill in the community for the work GSFD does than a clear declaration of support for higher taxes to enhance their role and capabilities.

Renew Operations & Capital Taxes: Having heard this information, would you vote YES or NO to continue the Glenwood Springs Fire and Rescue District's property tax that pays for operations and capital expenditures?



Increase Operations & Capital Taxes : And would you vote YES or NO to increase property taxes going to the Glenwood Springs Fire and Rescue District so they have more money to run the District and buy new equipment?

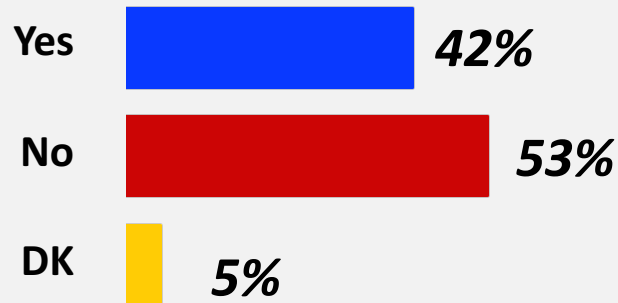


III. OTHER TAX BALLOTS

BALLOT VOTES FOR RFTA AND ATTRACTIONS TAX

RFTA

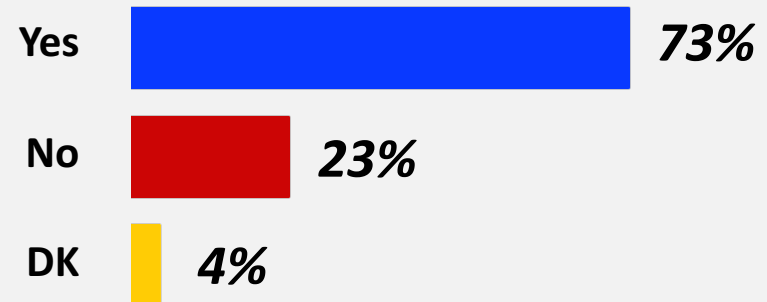
Would you vote YES or NO to increase property taxes for RFTA improvements – that is, the Roaring Fork Transportation Authority that runs the area’s bus system?



Attractions Tax

(City of Glenwood Springs Only)

Would you vote YES or NO to subject tourist attractions in Glenwood Springs to the same 3.7 percent sales tax charged on all other business sales with this new revenue used to maintain streets, beautify the city, and increase police patrols downtown?



RFTA TAX BALLOT DYNAMICS

- RFTA tax ballot is opposed – 53% NO vs. 42% YES.
- “Money Back” messaging* pushes support over 50% -- 56% YES vs. 37% NO.

* **“Money Back” Question Wording:** If you were to learn this property tax for RFTA passes, Glenwood stands to gain about 25 percent to 40 percent more money back than they pay in news taxes, would you change your mind and vote YES for this?

ATTRACTIONS TAX BALLOT DYNAMICS [Glenwood Springs City Only]

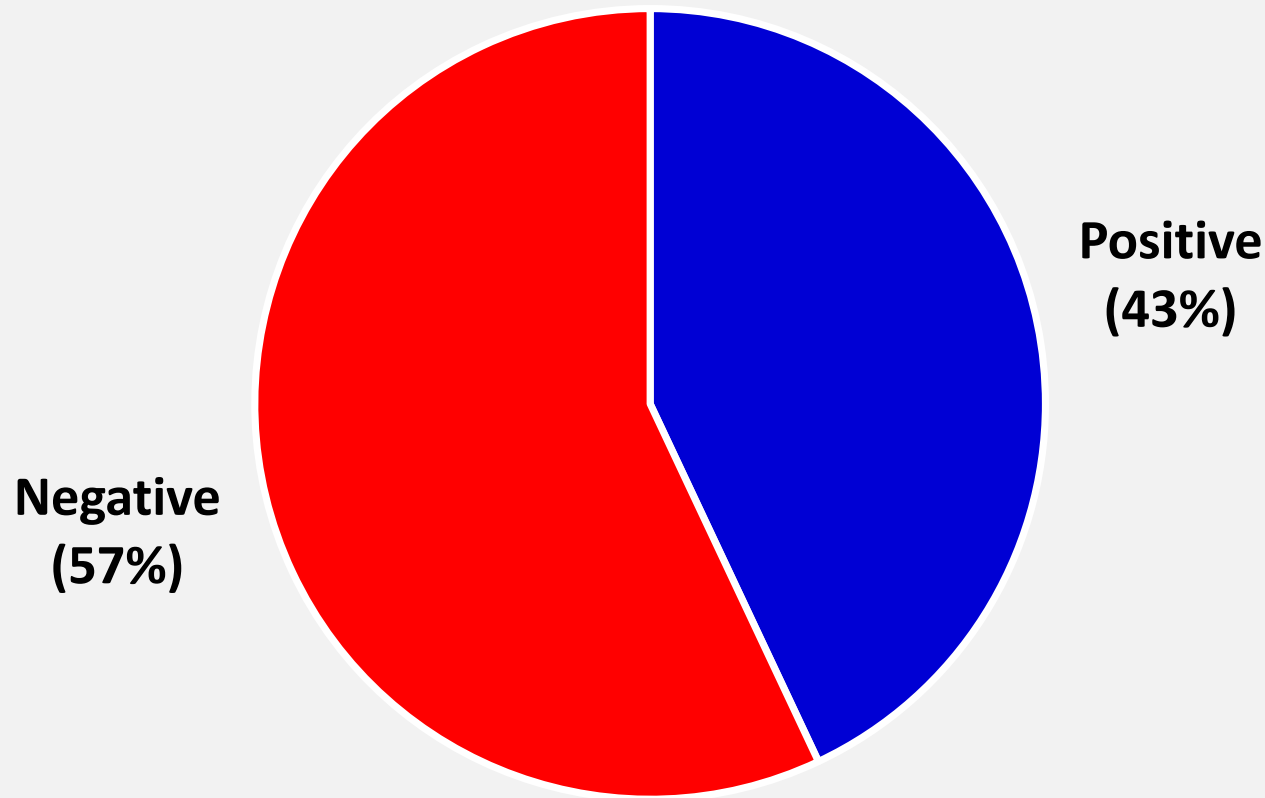
- 3.7% sales tax on Glenwood Springs attractions is supported by 73% YES vs. 23% NO.
- “Tourists Pay”* 73% of new tax. Message test pushes YES vote to 80%.
- “Not Charged on Season Pass”** message test pushes YES vote to 82%.
- Both messages work about the same.

* **“Tourist Pay” Question Wording:** Would you vote YES or NO on this tourist attractions sales tax if you learned that 85 percent of it would be paid by out-of-town tourists?

** **“Not Charged on Season Pass” Question Wording:** And would you vote YES or NO if this 3.7 sales tax for local attractions was not charged on the purchase of any season pass?

GLENWOOD SPRINGS STREETS: Negative rating of street conditions opens door to passing sales tax ballot.

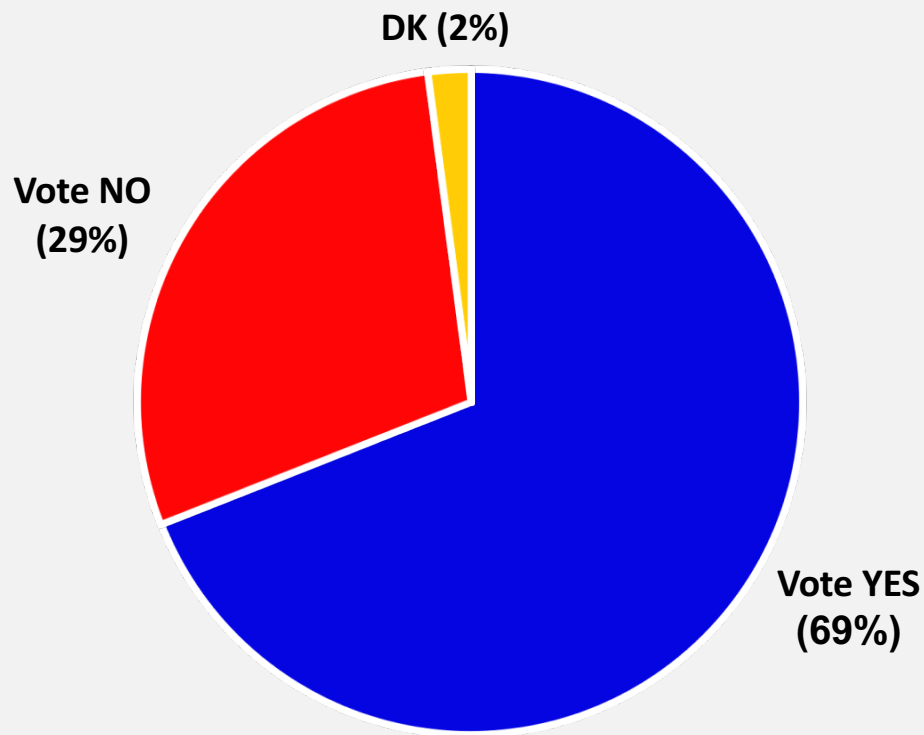
Next, tell me if you would rate the condition of Glenwood Springs streets as either excellent, good, not so good, or poor.



STREETS SALES TAX BALLOT [Glenwood Springs City Only]

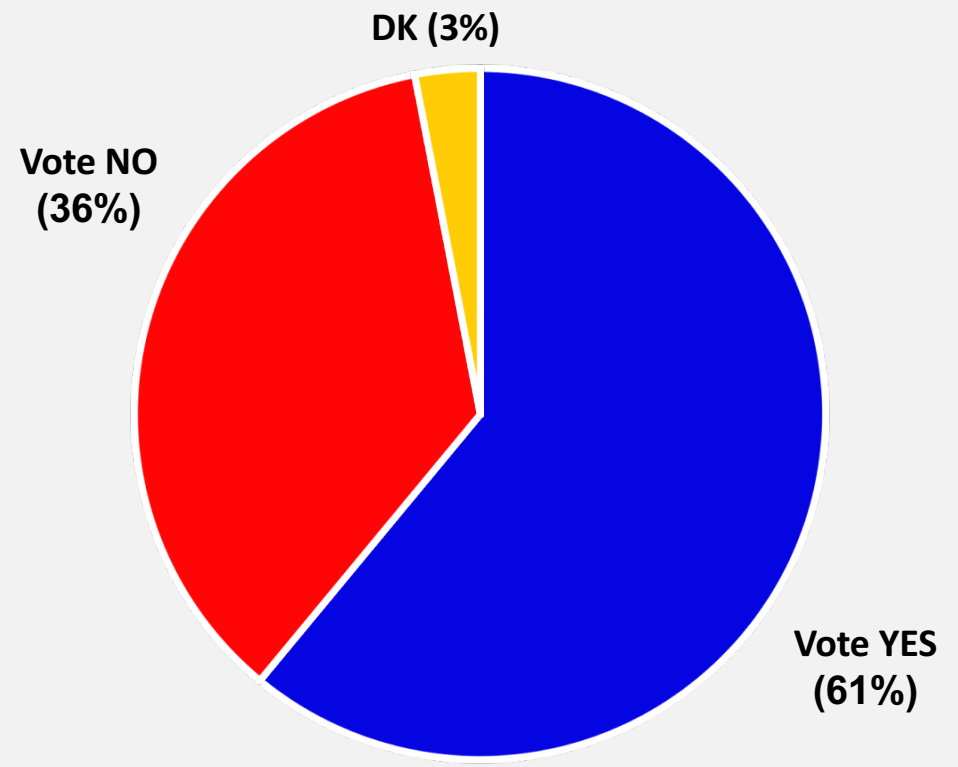
Half Cent Sales Tax

Would you vote YES or NO to increase the Glenwood City sales tax by one half cent with all the new money going to fix, repair, and upgrade city streets?



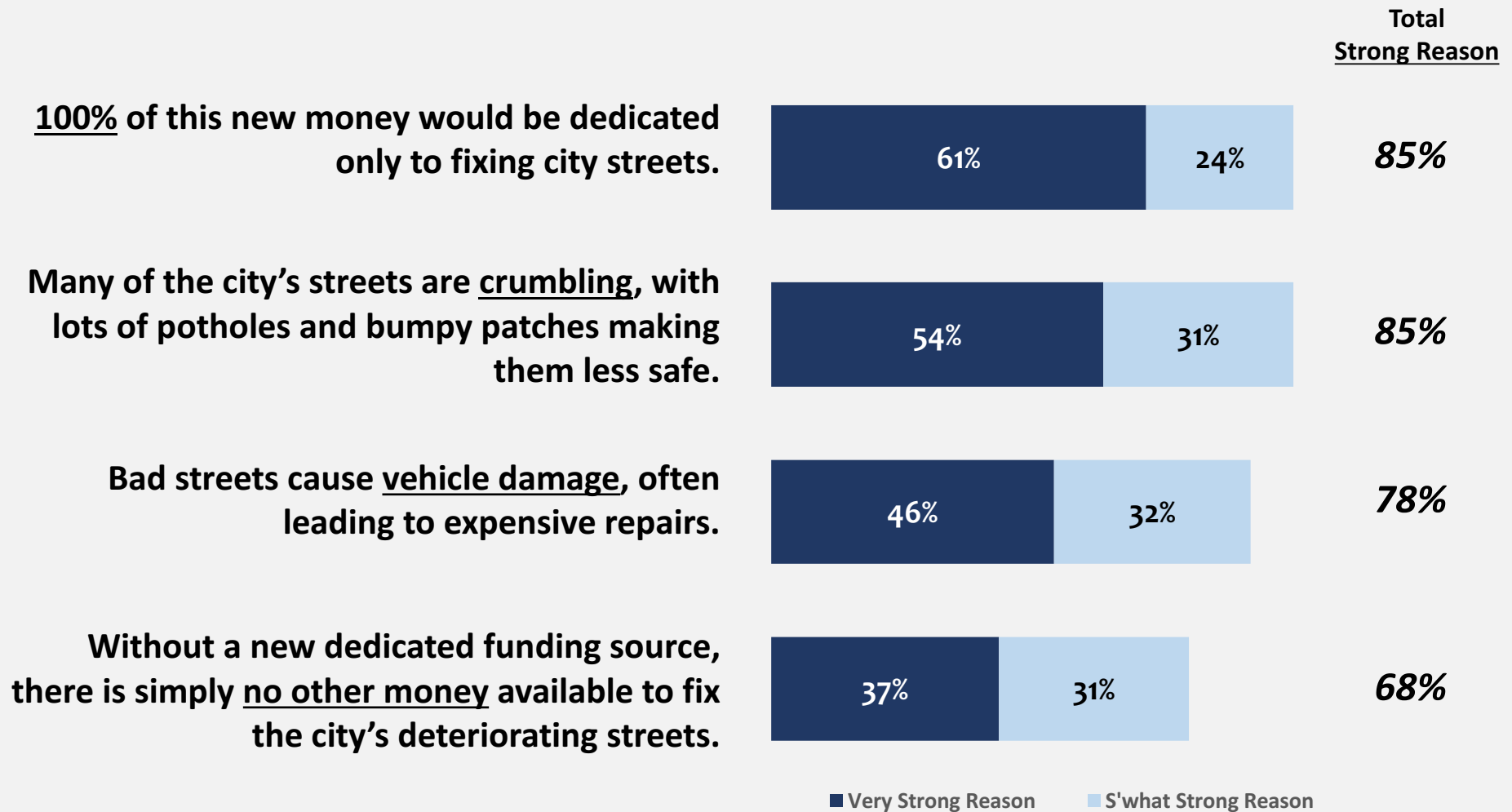
Three-Fourths Cent Sales Tax

And, if the sales tax increase for Glenwood streets was by three-fourths of a cent, would you vote YES or NO?



PRO-STREETS SALES TAX MESSAGE TEST

Tell me if each of the following statements is a very strong, somewhat strong, or weak reason to vote YES for a half-cent sales tax to fix Glenwood Spring streets.





801 N. Quincy Street. Suite 145
Arlington, VA 22203
(703) 528-3031

KEITH@FREDERICKPOLLS.COM



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: RFQ on Confluence

Action Requested: Review language in draft Request for Qualifications for a Master Developer for the Confluence.

Department: Economic and Community Development

Presented By: Jennifer Ooton, Assistant City Manager

Background Info: City Council at the end of 2018 asked staff to draft an RFQ for a master developer for the Confluence Area. City staff has put together a draft document, which is attached.

Issues: The City of Glenwood Springs has been working with consultants on finalizing the “Glenwood: Moving Forward Together” Project – the U.S. EPA Brownfields Area-Wide Planning Effort. Stromberg/Garrigan & Associates, Inc. (SGA) is planning on presenting a final draft of the Area-Wide Plan at the Jan. 17 meeting.

The Area Wide document will provide recommendations and alternatives related to the Confluence Area site, including information about potential parking garage sites and development yield.

The City may want to wait until this document is approved to finalize and send out the RFQ.

Additionally, language in the draft RFQ regarding the demolition of the remaining buildings on the former wastewater treatment facility will be updated based on the Council's decision regarding that project.

Staff Recommendation: Staff defers to City Council.

Request for Master Developer Qualifications

City of Glenwood Springs



Introduction

PURPOSE:

The purpose of this Request for Qualifications (RFQ) is to find a qualified, visionary development partner to participate in the City of Glenwood Springs' efforts to develop approximately 10 acres of land located at the Confluence of the Colorado and Roaring Fork rivers (as depicted in the map below). It is the purpose of this RFQ to identify a master developer partner with whom the City could enter into a collaborative public/private partnership to develop creative and innovative approaches to this property. Redevelopment of the Confluence Area is envisioned as an infill development that will extend the City's Downtown to the Roaring Fork River, celebrate the area's natural surroundings, and create a mixed-use neighborhood that is compatible with the surrounding residential and commercial architecture.

The development sites are generally located near the intersection of 8th Street and Defiance Avenue. The first site – Vogelaar Park – is an approximately 2.6 acre site on the southwest corner of 8th and School Streets. The project also includes approximately 7.6 acres, which was formerly used as the City's wastewater treatment plant from 1968 to 2012, and a small parking lot area near City Hall.

Request for Master Developer Qualifications

City of Glenwood Springs



Request for Master Developer Qualifications

City of Glenwood Springs

OVERVIEW:

Glenwood Springs, population 9,614, is the seat of Garfield County and its largest municipality. Best known as a historic destination for vacationers with diverse natural amenities, most particularly hot springs, Glenwood Springs threads together the Roaring Fork Valley and a series of smaller towns up and down the Colorado and Roaring Fork Rivers. Glenwood Springs' center is its downtown commercial district, which offers a diverse mix of entertainment and cultural venues, and retail, government, higher education, and professional offices that serve residents and visitors alike. The City of Glenwood Springs is geographically constrained with few areas to create new neighborhoods or increase commercial development. This makes the Confluence Area a prime piece of property in the heart of the City, which, with the right master developer, can create a destination development with river access that can increase the mix of housing options, provide new retail and office opportunities, and provide additional space for civic and public use.

Today, in addition to the hot springs, the City's proximity to many natural resources attracts outdoor enthusiasts including anglers, hikers, bicyclists and whitewater rafters. Tourism is arguably the City's most important business segment. Overnight visitors accounted for \$1.06 million in City accommodation tax revenue in 2017 and \$42.6 million in lodging business volume. From June 2015 to July 2016, the City saw 1.3 million visitors – visiting from other parts of the United States and abroad (including the United Kingdom, Canada, Germany, Australia, Netherlands, France, and Japan).

The downtown area is anchored by two iconic historic buildings – Hot Springs Pool and Hotel Colorado – which help define the character and materials that are used in the historic area. Both were built by Walter Devereux and his brothers in 1888. The 125-year-old hotel served as lodging for many famous historic visitors throughout history, including Presidents Theodore Roosevelt, Benjamin Harrison and William H. Taft, and actor Tom Mix.

Copies of the City's Comprehensive Plan, Downtown Plan, Design Standards, 2017 Confluence Plan, and other applicable plans, policies, and documents are available on the City of Glenwood Springs website. <http://www.cogs.us>.

Objectives

The various parcels within the Confluence Area are envisioned as a mixed-use development that connect downtown to the riverfront and the Rio Grande Trail. Through a public/private partnership, the City intends for the property to include:

- A variety of housing types (mixed-income housing)
- Commercial space – including areas for restaurants and other retail space
- Office and incubator space

Request for Master Developer Qualifications

City of Glenwood Springs

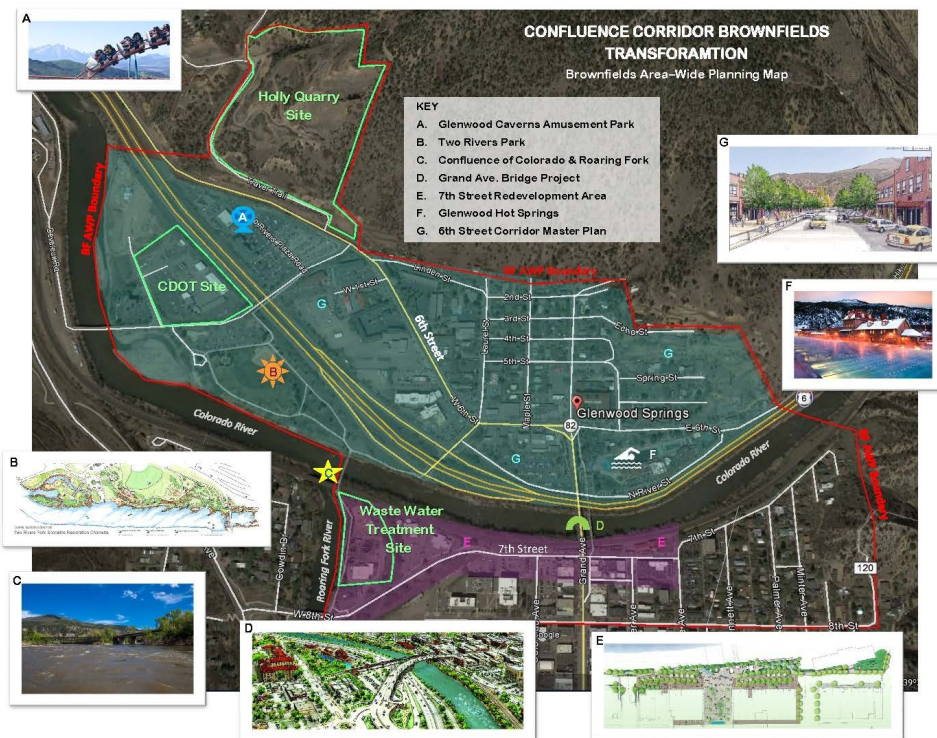
- Hotel/lodging
- Civic and public space, which could include space for performing arts/special events/museum
- Retained access to the Rio Grande Trail

Per the 2017 Confluence Redevelopment Plan, the Vogelaar Park redevelopment area will likely advance first as a primarily residential project with limited commercial development.

Current Conditions and Regulatory Framework

Area Wide Plan

Using funding from an EPA grant, the City since late 2017 has been working to create a strategy to tie together the Confluence Redevelopment, 6th Street Corridor Master Plan, 7th Street Beautification project and Two Rivers Park. The Area Wide Plan includes an implementation strategy to revitalize the brownfields located along the Colorado and Roaring Fork Rivers in the City's core, including the 5-acre site where the City's decommissioned wastewater treatment plant is located. The document is anticipated to be completed in January 2019 and will provide an analysis of development yield, necessary parking and consideration of existing constraints (existing utilities, railroad rights-of-way, setbacks from law enforcement/civic buildings, etc.).



[Need to include additional Area Wide plan information in this section. Attach Plan]

Request for Master Developer Qualifications

City of Glenwood Springs

Former Wastewater Treatment Site

The City is in the process of demolishing the decommissioned facility. The City has taken down approximately 40 percent of the structures and intends to demolish the remaining facility in 2019.

Vogelaar Park

A nearly complete land exchange between the City and the Roaring Fork School District facilitated the renovation and reconfiguration of Glenwood Springs Elementary School, maintained and improved the recreational opportunities at Vogelaar Park, and will allow a portion of the centrally located property to be used for a housing development. The City and the School District in 2016 entered into an agreement for the City to take possession of approximately half of the 4.7 acre Vogelaar Park site. The two entities are in the process of converting the Vogelaar Park 6F designation to another site.

Downtown Development Authority

The project sites are located within the Downtown Development Authority (DDA) boundary. The DDA was established in 2000 to help Glenwood Springs sustain its small-town character, preserve its cultural and natural resources, and retain its prominent function as the center of commerce for Garfield County and the Roaring Fork Valley. The DDA's activities are funded through a Tax Increment Finance District.

Comprehensive Plan

The [2011 Comprehensive Plan](http://cogs.us/CompPlan), revised 2014 (<http://cogs.us/CompPlan>), identifies strategies and actions to promote economic development including maintaining the City's role as a regional center, promoting sustainable economic diversity, attracting diverse businesses and industries to locate to the community, continuing to encourage the development of affordable and attainable housing, providing a well-trained workforce, creating adequate infrastructure, allocating adequate land for businesses, retaining and enhancing tourism, and maintaining the City's role as a regional center for services, including medical, education, and government. The Comprehensive Plan notes that the Downtown Area should include a mix of uses, including residential and commercial land uses and anticipates that "in addition to expanding vertically, the Downtown is intended to also expand horizontally – to the west toward the Confluence Area."

Confluence Redevelopment Plan

The 2017 Confluence Redevelopment Plan was approved by City Council in September 2017 to provide a roadmap for the Confluence Area, which is bordered by the Colorado River to the north, Colorado Avenue to the east, 9th Street to the south, and the Roaring Fork River to the west. The adopted plan includes goals identified by the community for pedestrian-safe connectivity to the rivers, commercial centers, parks and neighborhoods, and a mixture of uses and development types to promote economic

Request for Master Developer Qualifications

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vitality and expand housing options. The Confluence Redevelopment Plan is available at www.cogs.us/confluence

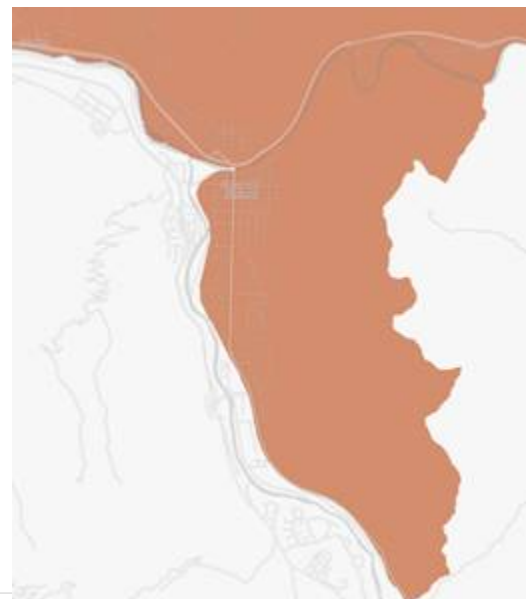


Opportunity Zone

Part of the 2017 Federal Tax Cuts and Jobs Act, the Opportunity Zone program offers a temporary deferral, reduction and potential elimination of certain federal capital gains when they are invested into long-term investments within the Opportunity Zones areas through an Opportunity Fund. **The images above and to the right depict the areas that have been designated as an Opportunity Zones.**

For more information, go to:

<https://choosecolorado.com/opportunity-zones/> and <https://eig.org/opportunityzones/resources>



Request for Master Developer Qualifications

City of Glenwood Springs

Economic Development Strategy

On December 6, 2018, the City Council adopted an Economic Development Strategy document that will guide future economic development programming decisions, including the City's approach to focus areas: regional trade, regional service, tourism development, downtown development, community development and enhancement, and job growth and creation. The document is available at www.cogs.us/economicstrategy

Zoning and Design Standards

The properties are located in the CO-General Commercial and IL-Light Industrial Zone Districts. Future development in this area as envisioned may require a rezoning of the properties, particularly as it relates to the height of buildings and the types of uses. The Comprehensive Plan recommends rezoning the industrial zoned parcels where the wastewater treatment plant had been located and suggests that the Confluence Area incorporate a prominent residential component in a mixed-use redevelopment plan. The Confluence Redevelopment Plan also identified four stories as a possible height for the new buildings on the Vogelaar Park site. The maximum height in both the CO-General Commercial and IL-Light Industrial Zone Districts is 40 feet. (Note: Though individual uses would require a certain number of parking stalls on site, City Council is looking for responses that offer a creative solution for parking across the sites.)

The City of Glenwood Springs ultimately is seeking a project with architecture that is aesthetically sophisticated and compatible with the City's historic downtown core. The development should incorporate architecture that preserves Glenwood Springs' small-town atmosphere; enhances the visual and physical qualities of Glenwood Springs; considers how the buildings relates to the site, neighboring properties, and the community; provides strong pedestrian orientation by visually connecting the building's interior with the public exterior; creates prominent, well-proportioned customer entrances; uses high quality, long lasting materials with a proven ability to withstand Glenwood Springs' environment; promotes building designs and construction practices that are sustainable and adaptable to multiple uses for extended building lifecycles; and incorporates a palette of colors that adds visual interest to the development parcel and that is compatible with the surrounding natural environment.

Request for Master Developer Qualifications

City of Glenwood Springs

The building height and setback and other dimensional standards are as follows:

CO District Dimensional Standards		
Lot Standards, Minimum		
A	Lot area (sq ft)	None
	Landscaped area (%)	10
Setbacks, Minimum		
B	Front, min (ft)	5
	Front, max (from arterials) (ft)	60
	Front, max (from other streets) (ft)	40
C	Side, min (ft)	5
D	Rear, with alley, min (ft)	10
	Rear, without alley, min (ft)	7.5
Building Standards, Maximum		
E	Building height (ft)	40

I1 District Dimensional Standards		
Lot Standards, Minimum		
A	Lot area (sq ft)	10,000
	Landscaped area (%)	20
Setbacks, Minimum		
B	Front, min (ft)	20
C	Side, min (ft)	10
D	Rear, min (ft)	10
Building Standards, Maximum		
E	Building height (ft)	40

Request for Master Developer Qualifications

City of Glenwood Springs

Table of Allowed Uses

P = permitted by right **S** = special use permit required **Blank** = use prohibited

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Use Category	Use Type	Districts →															Required Minimum Parking
		RR	RL	RM1	RM2	RH	RT	M1	M2	M3	CO	RE	I1	I2	IN	HP	
RESIDENTIAL USES																	
Household Living	Dwelling, live-work						P	P	P	P	P	P	P				1 per dwelling unit
	Dwelling, multifamily				P	P	P	P	P	P	P	P					1.5 per dwelling unit, plus 1 guest space per each 5 dwelling units
	Dwelling, townhouse				P	P	P	P	P	P	P	P			S		1.5 per dwelling unit, plus 1 guest space per each 5 dwelling units
	Dwelling, single-family detached	P	P	P	P	P	P	P	P		P	P			S		1 per dwelling unit
	Dwelling, two-family		S	S	P	P	P	P	P		P				S		1.5 per dwelling unit
	Mobile home park					S	S	S			P						1 per dwelling unit
	Accessory dwelling unit	P	P	P	P	P	P	P	P		P	P			S		1 per unit
Group Living	Convalescent or nursing home							P	P		P	P			P		1 per 3 beds
	Personal care boarding home	S	S	S	S	S	S	S	S		S	S			S	S	2 per dwelling unit
PUBLIC, INSTITUTIONAL, AND CIVIC USES																	
Community and Cultural Facilities	Assembly	S	S	S	S	S	S	P	P		P	P	P		P	S	1 per 250 square feet
	Civic building		S	S	S	S	S	P	P	P	P	P	P	P			1 per 300 square feet
	Club or lodge						S	P	P	P	P	P					1 per 300 square feet
	Community centered board facility						P										Based on demand study, see Error! Reference source not found.
Adult and Child Care Facilities	Adult day care				S	S	S	P	P	P	P	P			P	S	1 per 300 square feet
	Child care center	S	S	S	S	S	S	P	P	P	P	P			S		1 per 250 square feet
	Child day care home, large	S	S	S	S	S	S	P	P		P	P					3 per dwelling unit
	Child day care home, small	P	P	P	P	P	P	P	P		P	P	S			P	2 per dwelling unit
Educational Facilities	School	S	S	S	S	S	S	P	P	P	P	P	S		P	S	High school: 4 per classroom All others: 1.5 per classroom

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Health Care Facilities	Hospital						P	P	P	P	P				P		1 per 400 square feet
	Medical or dental clinic						P	P	P	P	P	P		P	P		1 per 250 square feet
Parks and Open Space	Park, playground, and open space	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	No requirement
Transit Uses	Transit stop	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Based on demand study, see Error! Reference source not found.
	Transit terminal or station							S	P	P	P		P	P	P		
COMMERCIAL USES																	
Agriculture and Animal-Related Services	Commercial farming, animal husbandry, and plant husbandry	S														P	No requirement
	Community garden	P	P	P	P	P	P	S	S	S	S	S			S	P	No requirement
	Kennel							S			S		S	S			1 per 1,000 square feet
	Sale of produce or plants raised on premises (excluding marijuana uses)	P	P	P	P	P	P	P	P	S	P	S	P	P	S	S	No requirement
	Veterinarian hospital or clinic							S	S	S	S	S	P	P	P		1 per 250 square feet
Adult Entertainment Establishments	Adult entertainment establishment													S			1 per 200 square feet
Food and Beverage Establishments	Bar, lounge, or tavern						S	P	P	P	P	P	P			S	1 per 200 square feet
	Microbrewery, distillery, or winery							P	P	P	P	P	P			S	1 per 200 square feet seating/tasting area, plus 1 per 500 square feet production area
	Restaurant						S	P	P	P	P	P	S	P		S	1 per 200 square feet
	Restaurant, with drive-through							S		S	S					S	1 per 200 square feet
Funeral and Interment Services	Cemetery					S	S	S	S	S	S	S	P	P	P		1 per 400 square feet of building area

Request for Master Developer Qualifications

City of Glenwood Springs

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	Funeral home, columbarium, crematorium, or mortuary					S	S	S	S	S	S	S	P	P	P		1 per 250 square feet
Lodging Facilities	Accessory tourist rental	P	P	P	P	P	P	P	P	P	P	P				P	Per residential use standards
	Bed and breakfast	S	S	S	S	P	P	P	P	P	P	P				S	1 space per guest room, plus 1 space for the owner/manager
	Boarding house					S	S	P	P	P	P	S				S	1 space per guest room, plus 1 space for the owner/management
	Hotel, motel, hostel, or lodge						S	P	P	P	P	P				S	1 space per guest room
	Short-term rental	P	P	P	P	P	P	P	P	P	P	P				P	Per residential use standards
Maintenance and Repair Services	Repair facility, major							P	S	S	P		P	P			1 per 1,000 square feet
	Repair facility, minor							P	P	P	P		P	P			1 per 500 square feet
Marijuana Establishments	Medical marijuana business, excluding cultivation							S	S	S	S			S			1 per 300 square feet
	Retail marijuana establishment, excluding cultivation							S	S		S			S			1 per 300 square feet
Office, Business, and Professional Services	Administrative, professional, or government office					P	P	P	P	P	P	P	P	P	P		1 per 300 square feet
	Bank or financial institution					P	P	P	P	P	P	P	P	P	P		1 per 300 square feet
	Printing and copying establishment						S	P	P	P	P	P	P	P	P		1 per 400 square feet
Personal Services	Commercial laundry and dry cleaning										P		P	P			1 per 400 square feet
	Personal service, general < 1,500 sq. ft.						P	P	P	P	P	P	P	P	P		1 per 400 square feet
	Personal service, general ≥ 1,500 sq. ft.						S	P	P	P	P	P	S	S	S		1 per 400 square feet
	Self-service laundry						S	P	P	P	P	P	P	P	P		1 per 400 square feet
Recreation and Entertainment, Indoor	Indoor recreation facility					S	S	P	P	P	P	P	P	P			1 per 400 square feet

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		RR	RL	RM1	RM2	RH	RT	M1	M2	M3	CO	RE	I1	I2	IN	HP	
Recreation and Entertainment, Outdoor	Commercial outdoor recreation use	S	S	S	S	P	P	P	P	P	P	P	P	P	P	S	1 per 400 square feet building area, plus 1 per 10,000 square feet site area
	Commercial outdoor recreation-concentrated							S	S	S	S	S	S	S	S		Based on demand study, see Error! Reference source not found.
	Golf course or country club	P	P	P							P					S	4 per hole, plus 1 per 250 square feet clubhouse area
	Recreational vehicle park					S	S	S	S	S						S	
Retail Sales	Building materials and supply store							P	P	P	P		P	P			1 per 400 square feet
	Convenience store							P	P	P	P	P	S	S	S		1 per 300 square feet
	Flea market or swap meet							S			P	P					Based on demand study, see Error! Reference source not found.
	Grocery store							P	P	P	P	P					1 per 300 square feet
	Liquor store							P	P	P	P						1 per 300 square feet
	Lumber yard										P		P	S			Based on demand study, see Error! Reference source not found.
	Pawn shop							P	P	P	P						1 per 300 square feet
	Retail, general <1,500 sq. ft.						P	P	P	P	P	P	S	P	S		1 per 400 square feet
	Retail, general ≥1,500 sq. ft.						S	P	P	P	P	P	S	P	S		1 per 300 square feet
	Retail, shopping center									P	S			S			1 per 300 square feet
Vehicles and Equipment	Automotive fuel sales and service station							S		P	S	S	S	S			1 per fueling pump, plus 1 per 400 square feet retail and office area
	Automotive parts and accessories sales							P	S	P	P		P	P			1 per 400 square feet
	Automotive repair shop							P			P		S	P			1 per 500 square feet, plus 3 per repair bay
	Automotive sales or leasing							S	S	S	P		P	P			1 per 500 square feet sales area, plus 2 per repair bay
	Automobile wash							S		S	S	S	S	S			1 per 300 square feet retail and office area, plus 3 stacking spaces per service lane and 1 stacking space per detailing bay if separate from wash bay/lane)
	Parking as a principal use						S	S	S	S	S	S	S	S	S	S	No requirement
	Equipment sales and rental							P	S	S	P		P	P			1 per 300 square feet

Request for Master Developer Qualifications

City of Glenwood Springs

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	Mobile home sales							P			P		P				No requirement
Industrial Services	Airport / aviation-related business											S					Based on demand study, see Error! Reference source not found.
	Asphalt or concrete batch plant											P					Based on demand study, see Error! Reference source not found.
	Motor or rail freight terminal											S	S				Based on demand study, see Error! Reference source not found.
	Natural resource extraction or processing											S					Based on demand study, see Error! Reference source not found.
	Printing or publishing facility							S	S		P		P				1 per 300 square feet office and retail area, plus 1 per 1,000 square feet all other building area
	Research and development facility							P	P	P	P		P	P	P		1 per 300 square feet office and retail area, plus 1 per 1,000 square feet all other building area
Manufacturing and Production	Brewery or bottling plant							P	S	S	P	S	P	P	S		Based on demand study, see Error! Reference source not found.
	Fabrication, manufacturing, and testing facility							S	S	S	S	S	S	P			Based on demand study, see Error! Reference source not found.
	Food processing and packing plant												P	S			Based on demand study, see Error! Reference source not found.
Marijuana Establishments	Marijuana cultivation, with or without retail business or medical establishment												S				1 per 1,000 square feet storage, warehousing, and distribution area, plus 1 per 35 square feet manufacturing, assembly, packing, preparation, plus 1 per 300 square feet for retail sales and office area
Storage and Warehousing	Bulk materials or machinery storage												P				Based on demand study, see Error! Reference source not found.
	Contractor offices and equipment storage yards							P			P		P	P			1 per 400 square feet of building area used as office
	Mini-warehouse or storage							S			P		P	S			3 spaces, plus 1 per resident caretaker

Request for Master Developer Qualifications

City of Glenwood Springs

Table of Allowed Uses

P = permitted by right S = special use permit required Blank = use prohibited

Use Category	Use Type	Districts →															Required Minimum Parking
		RR	RL	RM1	RM2	RH	RT	M1	M2	M3	CO	RE	I1	I2	IN	HP	
	Storage of hazardous liquids and gasses										S		S	S			Based on demand study, see Error! Reference source not found.
	Warehousing										P		P	S			Based on demand study, see Error! Reference source not found.
Waste and Salvage	Salvage yard													S			Based on demand study, see Error! Reference source not found.
Utilities	Commercial television, radio, or microwave tower												S	S			No requirement
	Geothermal heat exchange						P	P	P	P	P	P	P	P	P	P	No requirement
	Wastewater treatment facility										S				S		No requirement
	Wind power generation tower							S		S	S	S	S	S	S		No requirement
	Alternative tower structure in right-of-way	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	No requirement
	Alternative tower structure not in right-of-way	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	No requirement
	Base station in right-of-way	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	No requirement
	Base station not in right-of-way	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	No requirement
	Eligible facilities request	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	No requirement
	Small cell facility	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	No requirement
	Tower	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	No requirement
	Backyard chickens	P	P	P	P	P	P	P			P						No requirement
	Home occupation	P	P	P	P	P	P	P	P	P	P				P		No requirement
	Outdoor storage, accessory							S		S	S	S	S	S			No requirement
	Parking structure						S	S	S	S	S	S	S	S	P		No requirement
	Warehousing							P		P	P	P	P	P	P		Based on demand study, see Error! Reference source not found.
TEMPORARY USES																	
	Temporary sales and structures					P	P	P	P	P	P	P	P	P	P		Determined at time of temporary use permit.

Request for Master Developer Qualifications

City of Glenwood Springs

Table of Allowed Uses

P = permitted by right **S** = special use permit required **Blank** = use prohibited

Use Category	Use Type	Districts →														Required Minimum Parking
		RR	RL	RM1	RM2	RH	RT	M1	M2	M3	CO	RE	I1	I2		
	Temporary special event							P	P	P	P	P	P	P		

Submittal Requirements

- Submit electronic or hard copy responses to this Request for Qualifications to the City of Glenwood Springs, Procurement Department, on or before 2:00 p.m. (local time), **xxxxx** (note: this is not a postmarked date). Submittals shall be limited to 35 total pages.
- Cover letter detailing interest in the project; relevant qualifications of the team's composition and contact information; information about the team's development capacity and experience; and information about the team's desire to secure and develop the property. Please identify the team's key personnel including names and resumes or curriculum vitae.
- References. Please provide a minimum of three references and relevant examples of master development projects in the past 10 years. Examples should include information about the use mix within those projects, project cost, financing sources used and investment in public amenities. For submittals including more than a single development firm, please also include a minimum of three references for each firm.
- High Level Conceptual Site Plan. Provide a conceptual site plan showing the location of buildings and internal circulation. This site plan should include initial concepts. The City is not requesting that prospective developers fully design the project as part of the submittal.
- Any additional information that will demonstrate the team's qualifications and ability to successfully complete a project of this scope.

SELECTION PROCESS: The project advisory group will review and evaluate submittals based upon the firm's demonstrated ability to meet the purpose and requirements of this Request for Qualifications. Specific evaluation criteria include but are not limited to:

Request for Master Developer Qualifications

City of Glenwood Springs

1. Overall quality of the submission;
2. Project development and financing;
3. Experience and availability of the firm(s) and key personnel assigned to the project and performance on similar master development projects;
4. Quality, clarity, creativity, and understanding of the detailed scope of work outlined by consultant that clearly and specifically illustrates the tasks that will be completed and accomplished to reach and develop the final work product;
5. Results of reference checks and past performance for other clients.

The criteria are not listed in any particular order of importance. From the responses received, the City will rank the responses, and may decide to schedule oral interviews with the top two or three ranked firms. After completing the interviews, the City will select a firm, then negotiate and finalize the specific work plan with the selected firm.

This Request for Qualification may be canceled by the City of Glenwood Springs, and any submittal may be rejected in whole or in part for good cause when it is in the best interests of the City of Glenwood Springs.



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Arts and Culture Board

Action Requested: No Action Requested

Department: Parks & Recreation

Presented By: Brian Smith, Recreation Director

Background Info: Arts and Culture Board Accomplishments for 2018 and Requests for 2019

Issues:

Staff Recommendation:

Glenwood Springs City Council Worksession with the Arts & Culture Board

DATE: TBD | TIME: TBD

2018 Accomplishments:

- Arts and Culture Board established, roles, duties and responsibilities adopted
 - Met with several local arts and culture organizations. This has provided insight into existing programming and needs.
 - Wrote letter of support for Dance Initiative
 - Defined Arts and Culture Board mission
 - Outlined goals and potential initiatives for the board
 - Assisted with call for artist RFP for north landing site and completed initial artist evaluations
 - Met with GSCRA, Post Independent and city staff regarding creating and raising awareness for arts and culture informational hub
 - Provided recommendations to staff on integrating existing arts and cultural informational assets into the city's website
 - Assisted with outreach for RE-1 Buddy Program
 - Met with Historical Commission about public art and opportunities to collaborate
 - Initiated bi-monthly Post Independent column to increase arts and culture awareness
-

2019 Requests:

1. Priority #1 - Master Public Art Plan including Art Preservation and Restoration

- a. **Request/Question to City Council:** Review and provide direction on long term public art plan and approach. Commit to match grant funds (if selected); allocate up to \$10,000 to create long term public art planning document that would include:
 - city wide needs assessment
 - policy recommendation for acquisition and approval of new art
 - recommendations/plan for art preservation and restoration.
- b. **Overview:** Having a designated Master Public Art Plan is vital to not only understand the scope of the City's current collection but to serve as a guide towards future acquisitions. Preservation and routine maintenance are critical to protecting city assets and investments and to maintaining quality art for city residents and visitors. Restoration helps to protect the city's history, elevate the quality of neglected public art and enhances the artistic and cultural experience in the city's public spaces.
- c. **Existing Assets/Contributions:** To date, many of the City's Public Art pieces have already been documented. The ACB has begun potential stakeholder/partner list for outreach including Art Guild, Arts Council, Colorado Mountain College and RE-1 School District.
- d. **ACB Recommendation:** Grant approval to move forward on GIS mapping of existing public art. Allocate up to \$10,000 for public art plan. Direct staff to assemble RFI or RFQ for public art planning consultant.

Glenwood Springs City Council Worksession with the Arts & Culture Board

DATE: TBD | TIME: TBD

2. Priority #2 - ACB Introduction Event

- a. **Request/Question to City Council:** Save the date and attend first Friday Afternoon Club event (event name is TBD).
- b. **Overview:** Introduce the ACB to the community in conjunction with kickoff in May of Friday Afternoon Club style weekly summer series under the bridge with music, open air market. This is a prime opportunity to utilize and augment an existing public event to re-introduce the ACB to the community. This will give the ACB a face/faces and allow conversations to form in real time during the event with the attendees.

We are requesting each member of the City Council to support, through their attendance, the relatively-new Glenwood Springs Arts and Culture Board (ACB) by re-introducing them publicly to the community and signalling the City's commitment to Glenwood Springs being and becoming a vibrant, cultural environment and destination. This will take place at a community event in May 2019.

Arts and Culture Board members will attend to circulate among the crowd, inviting feedback about arts and culture in Glenwood Springs.

- c. **Existing Assets/Contributions:** Pat Miller, Marketing and Event Coordinator, has begun outlining this type of event series. The board has begun drafting a handout of the ACB, its goals, accomplishments. The board has committed to assisting Pat in the coordination and outreach of potential participants.
- d. **ACB Recommendation:** Council support of the re-introduction of its Arts and Culture Board, and commitment to the arts in Glenwood Springs.

Goals and Initiatives:

1. Support arts and culture programs and organizations and provide recommendations to City Council
2. Draft and recommend a formal process to City Council for reviewing, selecting, and administering public art
3. Establish an online information hub of City and regional arts and culture to include:
 - a. Events and opportunities calendar
 - b. Public art locations
 - c. Venues
 - d. Arts and culture news center
4. Develop an understanding of the community's arts and culture needs and wants
5. Work with City staff, community leaders and organizations to support, advocate and develop strong and diverse arts and culture programming
6. Develop a long-term plan for placement, preservation and restoration of public art



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Receipt of Minutes for December 6, 2018 Regular Meeting

Action Requested: Approve the Minutes from the December 6, 2018 meeting.

Department: City Clerk

Presented By:

Background Info:

Issues:

Staff Recommendation:



MINUTES
CITY OF GLENWOOD SPRINGS
REGULAR CITY COUNCIL MEETING
DECEMBER 6, 2018
101 W. 8TH STREET
6:00 P.M.

6 Roll Call

Mayor Mike Gamba called the meeting to order at 6:00 p.m. Present at roll call: Shelley Kaup, Rick Voorhees, Todd Leahy, Mike Gamba, Steve Davis, and Jim Ingraham. Absent Jonathan Godes.

Also present were Debra Figueroa, City Manager; Karl Hanlon, City Attorney; Steve Boyd, Chief Operating Officer; Jenn Ooton, Assistant City Manager, Economic and Community Development Director; Catherine Mythen Fletcher, City Clerk; Yvette Gustad, Finance Director; Nigel Brett, Landfill Equipment Operator; Matt Langhorst, Assistant Public Works Director

7 Pledge of Allegiance

Mayor Gamba led in the Pledge of Allegiance.

8 Agenda Changes

9 Conflict of Interest Disclosure

No conflicts of interest were noted

10 Citizens Appearing Before Council (for items not on the Agenda-comments limited to 3 minutes)

Molly Peterson-Requested that the moratorium be lifted for VRBOs

11 Proclamation

- A. Proclamation for Veterans Suicide Awareness Month

12 Council Comments

Mayor Gamba-Spoke to honor Lyle Beattie, Jack Nelson, and General George Wear, asking for a moment of silence. Mayor Gamba also announced that the City of Glenwood Springs was awarded a "Build America Grant" in the amount of \$7,000,000.00 for South Midland.

Councilor Ingraham-Gave a brief history of General Wear's life prior to the requested moment of silence.

Councilor Kaup-Wished Happy Holidays to everyone.

Mayor Pro-Tem Leahy-Replied to the request to lift the moratorium.

13 Consent Agenda

- A. Receipt of Minutes of the November 15, 2018 Regular Meeting
- B. Resolution 2018-59; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Adapting the Colorado Municipal Election Code of 1965 and Delegating the Authority and

Responsibility of Appointing Election Judges for the City of Glenwood Springs' Regular Municipal Election on April 2, 2019

- C. Election Results November 6, 2018
- D. Approval of Proposal for Bidding and Construction Phase Services for Two Rivers Park Improvements Project
- E. Approval of Two Rivers Engineering Contract
- F. Ordinance No 26, Series of 2018; An Ordinance of the City of Glenwood Springs, Colorado, Fixing and Certifying the Mill Levy on the 2018 Assessment for Collection in Fiscal Year 2019 for the Glenwood Springs General Improvement District No. 1980 (SECOND READING)
- G. Ordinance No 27, Series of 2018; An Ordinance of the City of Glenwood Springs, Colorado, Fixing and Certifying the Mill Levy on the 2018 Assessment for Collection in Fiscal Year 2019 (SECOND READING)
- H. Ordinance No 28, Series of 2018; An Ordinance of the City Council of the City of Glenwood Springs, Colorado, An Ordinance Vacating Portions of 1st and Maple Streets, Rights of Way (SECOND READING)
- I. Resolution 2018-62; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Canceling the Second Regular City Council Meeting in December 2018
- J. Resolution 2018-63; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Accepting the Portion of 6th Street from Pine Street to Laurel Street that has been Abandoned by the Department of Transportation

Mayor Pro-Tem Leahy moved, seconded by Councilor Voorhees, to approve the consent agenda.

Motion passed unanimously by all present (Godes absent)

ACTIONS AND/OR PRESENTATIONS

14 Economic Development Plan

- A. Approval of Economic Development Plan

Jesse Silverstein with Development Research Partners developed the Economic Development Strategy for the City of Glenwood Springs through an economic assessment for the community, including reviewing employment and real estate data, and conducting a SWOT analysis of the City.

Mayor Gamba opened the item for public comment

Michael Blair-Was encouraged that the City was working on economic development and explained that the key to making it reality is to follow through.

Mayor Gamba closed public comment.

Councilor Ingraham moved, seconded by Mayor Pro-Tem Leahy, to adopt the Economic Development Strategy

Motion passed unanimously by all present (Godes absent)

15 Ordinance No 29, Series of 2018

- A. Ordinance No 29, Series of 2018; An Ordinance of the City of Glenwood Springs, Colorado, Amending the 2018 Appropriation Ordinance to Reflect Actual Revenues and Expenditures During Fiscal Year 2018, including Anticipated Revenues and Expenditures (ONE READING)

Per City Code and Charter the 2019 budget was submitted to Council at the first meeting of October, a public hearing was held at the second meeting in October, and Council voted to adopt the budget at the first meeting in November. This ordinance was the formal appropriation of funds.

Mayor Gamba opened the item for public comment and no comments were noted. Mayor Gamba closed public comment.

Councilor Ingraham moved, seconded by Councilor Davis to adopt Ordinance No 29 An Ordinance of the City of Glenwood Springs, Colorado, Amending the 2018 Appropriation Ordinance to Reflect Actual Revenues and Expenditures During Fiscal Year 2018, including Anticipated Revenues and Expenditures during the month of December 2018

Motion passed unanimously by all present (Godes absent)

16 Ordinance No 30, Series of 2018

- A. Ordinance No 30, Series of 2018; An Ordinance of the City Council of the City of Glenwood Springs, Colorado, Appropriating Funds of Fiscal Year 2019 (ONE READING)

The 2019 budget was presented to Council on October 4th. A public hearing was held on October 18th. Council voted to approve the budget on November 1st. This ordinance formally appropriated the funds to cover expenditures as outlined in the approved budget document.

Mayor Gamba opened the item for public comment and no comments were noted. Mayor Gamba closed public comment.

Councilor Voorhees moved, seconded by Councilor Davis to approve Ordinance No 30, Series of 2018; An Ordinance of the City Council of the City of Glenwood Springs, Colorado, Appropriating Funds of Fiscal Year 2019

Motion passed unanimously by all present (Godes absent)

17 Landfill Equipment Purchase

- A. Landfill Equipment Purchase

The City will be taking over day-to-day operations of the landfill beginning April 1, 2019 when the contract with Heartland expires. Staff drafted a business plan and financial pro-forma that will be completed by the end of December. The City will need to acquire certain heavy equipment including a compactor, dozer, excavator and loader.

Mayor Gamba opened the item for public comment and no comments were noted. Mayor Gamba closed public comment.

Councilor Ingraham moved, seconded by Councilor Kaup, to direct staff to proceed with the purchase and lease transactions set forth in option number two

Motion passed unanimously by all present (Godes absent)

18 Urban Renewal Resolutions

- A. Resolution 2018-60; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Finding That One or More Blighted Areas Exist in the City of Glenwood Springs, the Need for the Redevelopment and Rehabilitation of Such Areas in Accordance with the Colorado Urban Renewal Law, Declaring it to be in the Public Interest that the Glenwood Springs Urban Renewal Authority Exercise the Powers by Law and Designating the City Council and Representatives of Affected Taxing Bodies as the Urban Renewal Authority

The City of Glenwood Springs worked in conjunction with the owner of the two Glenwood Springs Mall properties located at 51027 Highway 6 and 24 to encourage redevelopment at the site. The parameters for establishing an urban renewal authority were set forth in Colorado Revised Statutes Title 31, which spelled out the need for a study of conditions (referred to as a “blight study” or “conditions survey”) to determine whether at least four of the eleven (11) factors of blight are present. Blighted area means an area that in its present condition and use, and by reason of the presence of at least four of the following factors: substantially impairs or arrests the sound growth of the municipality, impairs the provision of housing accommodations or constitutes an economic or social liability; and is a menace to the public health, safety, morals, or welfare.

Mayor Gamba opened the item for public comment.

Rob Anderson-Had questions concerning the lease at the Mall and what would happen if the city did not continue with the urban renewal plan

Randy Deherra & BJ Deherra-Owners of Goofballs Party Store, expressed their concerns about the vacancies in the mall and how much it has affected their business.

Mayor Gamba closed public comment.

Mayor Pro-Tem Leahy moved, seconded by Councilor Kaup, to approve resolution 2018-60 A Finding That One or More Blighted Areas Exist in the City of Glenwood Springs, the Need for the Redevelopment and Rehabilitation of Such Areas in Accordance with the Colorado Urban Renewal Law, Declaring it to be in the Public Interest that the Glenwood Springs Urban Renewal Authority Exercise the Powers by Law and Designating the City Council and Representatives of Affected Taxing Bodies as the Urban Renewal Authority

Motion passed unanimously by all present (Godes absent)

- B. Resolution 2018-61; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Making Certain Legislative Findings and Approving the West Glenwood Springs Urban Renewal Authority Plan Glenwood Springs Mall properties located at 51027 Highway 6 and 24 to encourage redevelopment at the site.

Ricker Cunningham, Littleton-based Real Estate Economists and Community Strategists, prepared the Conditions Survey and the drafted West Glenwood Springs Urban Renewal Plan. The general scope of the proposed Plan included undertakings of the Authority, the City, and private enterprise for the elimination and prevention of blight, including, without limitation, use of eminent domain to acquire property in the Area, tax increment financing and other tools and activities authorized by law and proposed Plan for the redevelopment of the Area.

Mayor Gamba opened the item for public comment and no comments were noted. Mayor Gamba closed public comment.

Councilor Ingraham moved, seconded by Mayor Pro-Tem Leahy, to approve Resolution 2018-61; A Resolution of the City Council of the City of Glenwood Springs, Colorado, Making Certain Legislative Findings and Approving the West Glenwood Springs Urban Renewal Authority Plan Glenwood Springs Mall properties located at 51027 Highway 6 and 24 to encourage redevelopment at the site.

Motion passed unanimously by all present (Godes absent)

19 Report From City Administration:

A. City Manager

- i. Thanked Mike for his contribution to the “Build America Grant”
- B. City Attorney
 - i. Thanked Anna Itenberg, the assistant city attorney for all her help.
- C. Correspondence: Incoming/Outgoing

20 Council Reports on Boards, Committee and Commission Meetings

Council adjourned into Executive Session at 9:00pm

21 Executive Session to Conduct a Conference with the City Manager and City Attorney for the Purpose of Discussing the City’s Purchase, Acquisition, Lease, Transfer or Sale of Real Property; Determining Positions Relative to Matters that May be Subject to Negotiations, Developing Strategy for negotiations, and Instructing Negotiators; and to Conduct a Conference with the City Attorney to Receive Legal Advice Accordance with C.R.S. 24-6-402(4)(a), (b) and (e), related to Garfield Industrial Development, Shoshone Permanency Discussion and RICID

The Executive Session was adjourned at 9:35pm

Council Returned to regular session at 9:36pm

22 Direction Regarding RICID Negotiations

A. Direction Regarding RICID Negotiations

Mayor Gamba opened the item for public comment and no comments were noted. Mayor Gamba closed public comment.

Councilor Kaup moved, seconded by Councilor Ingraham, to authorize Debra and Karl to finalize the negotiations with CPW and authorize Debra to sign the agreement so it can go in the CWCB packet in January

Motion passed unanimously by all present (Godes absent)

23 Adjournment

The meeting was adjourned at 9:40pm



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Ride Glenwood Springs - Adoption of Statewide Transit Asset Management Plan

Action Requested: Approve participation in the Statewide Transit Asset Management Plan for Ride Glenwood Springs

Department: Engineering

Presented By: Tanya Allen, Transportation Manager

Background Info: Ride Glenwood Springs receives financial assistance through FTA 49 U.S.C. Chapter 53 programs providing public transportation services. This assistance is used to fund a portion of administrative, operating, and capital replacement costs for the Ride Glenwood Springs bus service.

Adoption of a federally compliant Transit Asset Management (TAM) plan is required to remain eligible for federal transit funding. To reduce the administrative burden on smaller transit agencies, the Colorado Department of Transportation (CDOT) has created a 2018 Group Transit Asset Management (TAM) Plan, in accordance with the National Transit Asset Management (TAM) Final Rule (49 U.S.C. 625). A majority of transit agencies in the state, including the Roaring Fork Transportation Authority (RFTA), have opted to participate in the statewide plan.

As a participating agency, development of a transit asset management plan makes good business sense. The benefits from enhanced asset management practices include improved system safety and reliability, reduced costs, better customer service, and optimized resource allocation.

Ride Glenwood Springs will ensure that the agency's capital assets remain in a "state of good repair" (SGR) by cooperating with CDOT as the group plan sponsor to work towards the plan's SGR target. CDOT will report the SGR measures and SGR Targets for plan participants to the National Transit Database (NTD) in April.

Issues: None.

Staff Recommendation: Adopt statewide Transit Asset Management Plan for Ride Glenwood Springs



COLORADO
Department of Transportation



Colorado DOT Transit Asset Management Group Plan

Fall 2018



Table of Contents

Chapter 1—Introduction

Chapter 2—Goals and Objectives

Chapter 3—Inventory and Conditions

Chapter 4—Analytical Approach

Chapter 5—State of Good Repair and Investment Prioritization

Appendix A—Participating Agencies

Appendix B—Full Inventory and Condition Summaries of Participating Agencies



Chapter 1

Introduction

The Colorado Department of Transportation has created this Transit Asset Management Plan to for its participating agencies to document asset management processes, project future performance of assets given expected funding, and develop recommendations for transit asset management improvements moving forward. This document is also designed to meet federal requirements that are tied to the funding required for Colorado's transit system.

Welcome and Overview

Transit asset management (TAM) is a business model that uses asset condition to guide funding prioritization in order to keep transit networks in a State of Good Repair (SGR).

Having a TAM Plan benefits an agency in a number of ways:

- Improved transparency and accountability
- Optimized capital investment and maintenance decisions
- Data-driven maintenance decisions
- Potential safety benefits

Federal Legislative Context

FTA defines TAM policy as “a transit provider’s documented commitment to achieving and maintaining SGR for all of its capital assets. A TAM policy defines the transit provider’s TAM objectives and defines and assigns roles and responsibilities for meeting those objectives. “

The FTA’s TAM Rule, effective October 1, 2016 applies to recipients and sub recipients of Federal financial assistance under 49 U.S.C. Chapter 53 that own, operate or manage capital assets in the provision of public transportation. Public transportation in this context means regular, continuing shared-ride surface transportation services that are open to the general public, or open to segments of the general population defined by age, disability or low income.

Executive Summary

A Transit Asset Management Plan (TAM) is a business model that uses the condition of assets to guide the optimal prioritization of investments at transit agencies in order to keep transit systems in a State of Good Repair (SGR). By implementing this TAM Plan, the benefits include:

- Improved transparency and accountability for funding investments;
- Optimized capital investment and maintenance decisions;
- Data-driven capital planning; and
- Improved system safety and reliability, and reduced maintenance costs.

This Group TAM Plan, sponsored by CDOT and developed by the Division of Transit and Rail (DTR), serves to reduce the burden of the TAM Rule on smaller, Tier II transit agencies who might otherwise struggle to support the administrative and technical capacity needed to develop individual plans.

Participants in this Group TAM Plan include 53 public transportation providers in Colorado who provide a combination of fixed-route, demand response and other specialized transportation services throughout the state. These critical services are dependent on an inventory of over \$500 million in capital assets, including:

- 1,146 Revenue and Service Vehicles,
- 64 Administrative or Maintenance Facilities,
- 190 Passenger and Parking Facilities, and
- 23 Equipment assets (valued over \$50,000 each)

An inventory and its State of Good Repair (SGR) is summarized in Chapter 3 for each individual asset class. It is estimated there is a total of \$15 million available annually of Federal, State and Local funding for improving the inventory SGR. This figure, derived from historic spending data, is used to model an optimal investment plan using the Transit Asset Planning Tool (TAPT) and to project the long-term SGR of these assets given this funding level. A description of this analysis and modeling is provided in Chapter 4.

The following table summarizes the Inventory, SGR Measures and SGR Targets for the CDOT Group TAM Plan.

Asset Category	Asset Class	Inventory	Current % Beyond SGR	2019 Target
Revenue Vehicles	Aerial Tramway	71	80.3%	41%*
	Bus – Large	286	19.9%	20%
	Bus – Medium	80	15%	14%
	Cutaway – Large	88	18.2%	15%
	Cutaway – Small	243	28.8%	18%
	Van/Minivan	254	26%	2%
	Automobile	64	35.9%	8%
Service Vehicles	Trucks & Other Rubber Tire Vehicles	37	13.5%	11%
	Automobiles	23	47.8%	4%
Facilities	Support Facilities	64	15.6%	11%
	Passenger Facilities	190	2.1%	2%
Equipment	Non-vehicle equipment	23	n/a	n/a

The TAPT tool is also used in this Plan to develop a prioritization of investment projects, listed in Chapter 5, which will support CDOT and participating agencies in its future asset management investment decisions.

Transit Asset Management Plan (TAM Plan)

Purpose of the Group Plan

The TAM Plan is a federally required planning tool intended to inform and improve asset management practices and funding decisions by CDOT and its participating transit agencies. A key TAM objective is making data-driven investment decisions to meet federal requirements and make progress towards stated asset conditions goals. The TAM Plan will help agencies and CDOT maintain the transit system in a state of good repair with the most efficient use of financial resources.

Colorado Transit Vision

Colorado's public transit system will enhance mobility for residents and visitors in an effective, safe, efficient and sustainable manner; will offer meaningful transportation choices to all segment of the state's population; and will provide access to and connectivity among transportation modes.

TAM Objectives

- Attain the best asset conditions achievable given available resources, while striving towards a State of Good Repair
- Deliver an efficient and effective program to optimize the life of our transit assets
- Improve communication and transparency regarding decisions and outcomes
- Achieve and maintain compliance with Federal asset management requirements

Summary of Participating Agencies

Colorado is currently home to approximately 58 agencies providing public transportation services across the state. Of the 55 Tier II agencies to which the FTA TAM Rule applies in Colorado, 53 opted to participate in this Group TAM Plan. Figure 1-1 provides a map of the office locations of the Tier II public transportation agencies across the state.

Colorado's Tier II Public Transportation Providers

Participating Group TAM Plan Agencies:

All Points Transit
Aspen, City of
Avon, Town of
Baca County Seniors Van
Bent County
Berthoud Area Transportation Service (BATS)
Black Hawk, City of
Breckenridge, Town of
Broomfield, City and County of
Castle Rock Senior Center
Cripple Creek, City of
Dolores County
Durango, City of
Eagle County
East Central Council of Governments (ECCOG)
El Paso Fountain Valley Senior Citizens Program
Envida
Estes Park, Town of
Glenwood Springs, City of
Golden Age Shuttle
Gunnison Valley Rural Transportation Authority
Huerfano/Las Animas Area Council of Governments (SCCOG)
La Junta, City of
La Plata County Senior Services
Lake County
Lakewood, City of
Littleton Omnibus
Loveland, City of
Montezuma County

Mountain Express Transit
Mountain Express, The
Mountain Family Center
Mountain Village, Town of
Northeast Colorado Association of Local Governments (NECALG)
Neighbor to Neighbor Volunteers
North Front Range Transportation & Air Quality Council (NFRMPO)
Park County Senior Coalition
Prowers County
Pueblo, City of
Roaring Fork Transportation Authority (RFTA)
Routt County
San Miguel County
Senior Resource Development Agency (SRDA)
Seniors' Resource Center, Inc. (SRC)
Snowmass Village, Town of
Southern Colorado Community Action Agency
Steamboat Springs, City of
Summit Stage
Teller Senior Coalition
Telluride, Town of
Via Mobility Services
Wet Mountain Valley Community Service Corp
Winter Park, Town of

Non-participating public transit agencies:

Greeley Evans Transit (GET)
Mesa County

A larger version of the map in Figure 1-1 and list of the Group TAM Plan participating agencies with corresponding map IDs are provided in Appendix A.

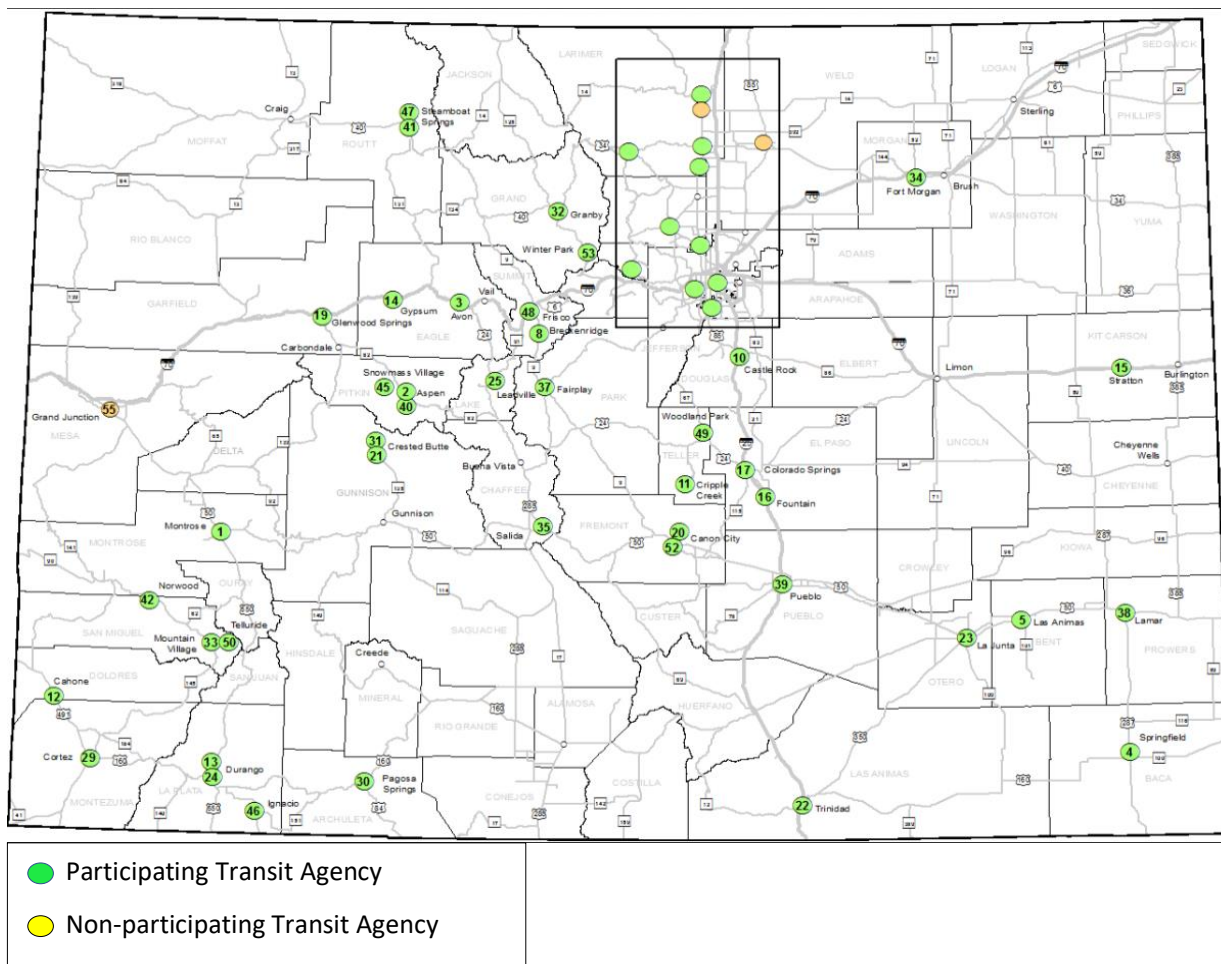


Figure 1-1. Colorado Tier II agencies

Group Plan Building Process Overview

CDOT began the process for TAM Plan development in 2017. After updating a list of transit agencies and contacts across the state, communication was sent to each transit agency to identify the Accountable Executive who would be the primary contact for future discussions and information. A number of subsequent communications were sent to provide the agencies insight into the status and process of TAM Plan development.

CDOT employed the Transit & Rail Advisory Committee (TRAC) as a resource and partner to move the TAM Plan discussions, development and decisions forward.

TAM Plan Framework

This TAM Plan document is organized in 5 chapters:

- Introduction – this chapter provides an overview of TAM Plan requirements and resources and an Executive Summary of the plan.
- Goals and Objectives – this chapter outlines CDOT and participating agency goals and objectives specific to maintaining SGR.
- Inventory and Conditions – this chapter summarizes the participating transit agency capital assets and condition data for rolling stock, facilities and equipment.
- Analytical Approach – this chapter describes the data collection resources and analytic tools and processes used to analyze the inventory and to prioritize asset replacements.
- Investment Prioritization – this chapter presents funding scenarios and a prioritized list of asset replacement needs.

Other resources

Related CDOT Plans

Transportation Matters: Statewide Transportation Plan

<https://www.codot.gov/programs/colorado-transportation-matters/statewide-transportation-plans>

Statewide Transit Plan

<https://www.codot.gov/programs/colorado-transportation-matters/documents/statewide-transit-plan>



Chapter 2

Goals and Objectives

Identifying goals and objectives is an important step in developing transit asset management practices and processes at an agency. These goals and objectives help focus agency operations, drive improved performance, and influence investments in transit assets. CDOT's Group TAM goals and objectives constitute a commitment to maintaining assets in a state of good repair. This commitment will yield benefits for riders by improving transit services and for transit providers by improving decision-making and reducing costs.

Overview

As the sponsor of the Group Plan, CDOT is a committed partner with the Tier II participant agencies in creating an aligned TAM plan useful for all providers. As indicated by their participation in the Group TAM plan, the participating Tier II transit providers are committed to the same goals and objectives as CDOT. Separately from this Group TAM plan, each provider has developed specific facility and vehicle management plans which detail their policies and practices for effectively managing those assets.

CDOT's mission and vision are guiding principles that shape TAM policy and transit goals and objectives. Goals and objectives help define and guide the TAM program at CDOT and are an integral part of the TAM Plan. Goals are broad ideas that express the ideal state of the transit system in Colorado. Objectives are the measurable, achievable steps that will help make progress towards goals.

This chapter presents CDOT's mission, vision, and goals and objectives, and defines state of good repair (SGR).

Federal Legislative Context

Tier II providers are not required to include a TAM and SGR policy in their individual or Group TAM plan. However, it is good practice to define and document asset management goals, objectives and policies.

FTA defines TAM policy as "a transit provider's documented commitment to achieving and maintaining SGR for all of its capital assets. The TAM policy defines the transit provider's TAM objectives and defines and assigns roles and responsibilities for meeting those objectives. "

SGR is defined by FTA as "the condition in which a capital asset is able to operate at a full level of performance." The FTA final rule on transit asset management further defines SGR in §625.41:

"A capital asset is in a state of good repair if it meets the following objective standards:

- The capital asset is able to perform its designed function
- The use of the asset in its current condition does not pose an identified unacceptable safety risk
- The life-cycle investment needs of the asset have been met or recovered, including all scheduled maintenance, rehabilitation, and replacements."

Goals and Objectives

The highest level guiding principles at CDOT are its vision and mission. These principles influence transportation goals and objectives across the agency.

Vision and Mission

Colorado strives to be the best Department of Transportation in the country for all customers, by providing freedom, connection and experience through travel.

CDOT Vision & Mission

CDOT's vision is to enhance the quality of life and the environment of the citizens of Colorado by creating an integrated transportation system that focuses on safely moving people and goods by offering convenient linkages among modal choices.

CDOT's mission is to provide the best multi-modal transportation system for Colorado that most effectively and safely moves people, goods and information

Consistent with the CDOT mission, the Division of Transit and Rail (DTR), established in 2009, is responsible for the planning, development, operation and integration of transit and rail into the statewide transportation system.

Colorado Transit Vision

Colorado's public transit system will enhance mobility for residents and visitors in an effective, safe, efficient and sustainable manner; will offer meaningful transportation choices to all segments of the state's population; and will provide access to and connectivity among transportation modes.

DTR has a number of priorities used to guide the departments' goals, objectives and performance measures. These priorities, as outlined in the Statewide Transit Plan, are used to inform this TAM Plan.

- System Preservation and Expansion
- Mobility/Accessibility
- Transit System and Partnerships Development
- Environmental Stewardship
- Economic Vitality
- Safety and Security

CDOT's vision and mission are further detailed in the Long-Range Transportation Plan "Transportation Matters: Statewide Transportation Plan 2040"

Long-Range Transportation Plan Insights

- The safe movement of people and goods is the most important goal of the transportation system.
- Reducing congestion and increasing travel choice are of high importance
- There is a connection between the transportation system and economic vitality of a region.

CDOT identifies "maintaining the system" as a primary goal, and includes a number of items within the plan supporting the maintenance of assets, including:

- CDOT has to maintain its existing transportation assets for the long-term, including more than 23,000 lane miles of roads, over 3,400 bridges, 35 year-round mountain passes, and help support interregional transit as well as more than 55 urban and rural general public transit providers, in addition to over 100 human services agencies providing specialized transportation services.
- Maintain the percentage of rural Colorado transit fleet vehicles operating in at least fair condition.
- Require all applicable Colorado transit grantees to have Asset Management Plans in place or participate in the CDOT sponsored Group Plan.
- Replacing and rehabilitating existing and future transportation facilities on a long-term basis, including preventative maintenance.

Summary of TAM Objectives

CDOT has adopted a set of TAM objectives for the Group Plan that are aligned with the vision and mission of the agency.

These objectives are helping to inform participating transit agencies and CDOT DTR in decision making as it develops, refines, and implements TAM policies, processes, and practices. As the sponsor of the Group Plan, CDOT is focused on supporting Colorado's holistic transit strategies and goals. CDOT intends to provide leadership, resources and guidance to transit agencies as it creates a transit asset management plan that benefits all agencies. CDOT's effort for the plan is to encourage and engage plan participants to create a collaborative exercise to deliver a meaningful and useful plan and improve investment decisions statewide. The TAM effort also informs other non-participating agencies as they develop and implement their own TAM Plans.

TAM Objective Examples

- Achieve and maintain compliance with federal transit asset management rules
- Attain the best asset conditions achievable, given available funding and resources
- Improve communication and transparency regarding decisions and outcomes
- Improve transit safety

Performance measures, targets, and SGR modeling capabilities are being developed to help achieve TAM objectives. These tools, systems, and practices are being linked through all funding decision processes so that CDOT and all transit agencies across the state can operate more effectively and make progress towards federal requirements and state goals.

Applied to transit assets, the above goals and objectives translate into a commitment to make optimal investments, where possible, to achieve and maintain a SGR for transit assets. These assets include revenue vehicles, equipment, and facilities. Asset inventory and condition are described in Chapter 3: Inventory and Condition.



Chapter 3

Inventory and Condition

Inventory and condition data for transit assets are the building blocks upon which investment decisions are made. Inventory and condition data also provide valuable information for communicating the extent of an agency's assets and the state of those assets. Accurate inventory and condition data support meaningful asset management practices such as predicting asset conditions, projecting funding needs, and prioritizing investments.

Overview

This chapter presents a summary of transit asset inventory and condition data for Colorado Group TAM Plan participants. This includes information related to rolling stock; equipment; and facilities for 53 participating transit providers.

Federal Legislative Context

FTA requires that a Group TAM Plan include an inventory and condition assessment of all capital assets for which the provider has direct capital responsibility. The inventory and condition assessment must be at a level of detail sufficient to model asset condition and support investment prioritization to maintain assets in a State of Good Repair.

SGR is defined by FTA as “the condition in which a capital asset is able to operate at a full level of performance.” The FTA final rule on transit asset management further defines SGR in §625.41:

“A capital asset is in a state of good repair if it meets the following objective standards:

- The capital asset is able to perform its designed function
- The use of the asset in its current condition does not pose an identified unacceptable safety risk
- The life-cycle investment needs of the asset have been met or recovered, including all scheduled maintenance, rehabilitation, and replacements.”

As part of the TAM Plan rule, transit providers are also required to set performance targets for performance measures defined by FTA in 49 CFR §625.43. These are listed below.

FTA SGR Performance Measures for Capital Assets

- **Rolling Stock:** The performance measure for rolling stock is the percentage of revenue vehicles within a particular asset class that have either met or exceeded their useful life benchmark (ULB). ULB is the age at which an asset has reached the end of its economic useful life, specified in terms of asset age, mileage and/or other factors.
- **Equipment:** The performance measure for service and maintenance vehicles (non-revenue) is the percentage of those vehicles that have either met or exceeded their ULB.
- **Facilities:** The performance measure for facilities is the percentage of facilities within an asset class, rated below 3.0 on the FTA Transit Economic Requirements Model (TERM) scale.

For this Group TAM Plan, CDOT as the Sponsor is responsible for setting unified performance targets for each asset class in the plan. The targets for each asset class are outlined in Chapter 5 and are reported to the National Transit Database (NTD) by the Sponsor on behalf of the Group TAM Plan participants.

Colorado Group TAM Plan Transit System Summary

Colorado is home to approximately 5.6 million people. Serving their transportation needs is an extensive network of 58 known public transit providers (including Tier 1 and Tier 2) and an additional 80-90 human service agencies that provide specialized transit services.

With over 3 million jobs in Colorado, there is great demand for transit to connect residents to the job market. Figure 3-1 displays employment density in Colorado as a means to understand this key element of demand for transit across the state.

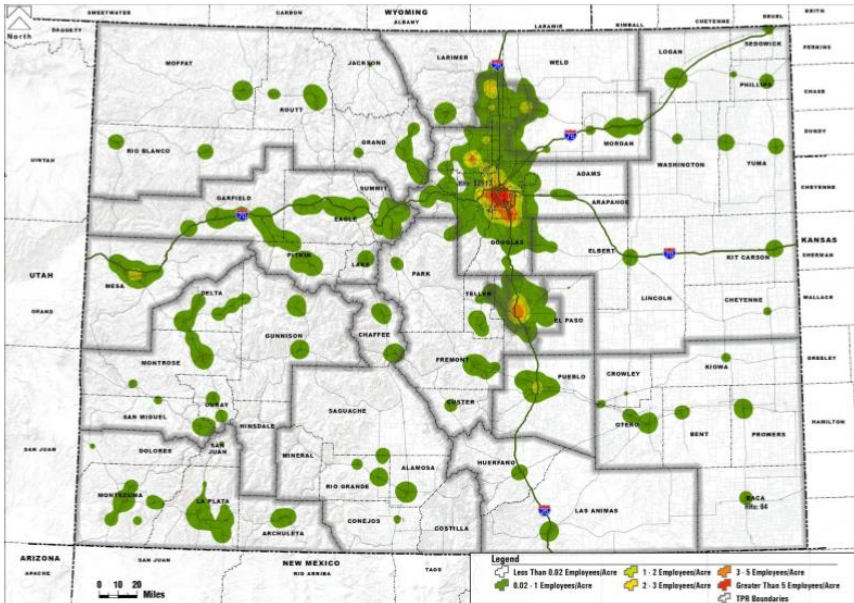


Figure 3-1. Colorado Employment Density

Of the 55 existing Tier II (smaller) public transit providers in Colorado, 53 are agencies that have chosen to participate in this Group TAM Plan. These agencies possess a total of 1,423 capital assets utilized in the delivery of transit services. The combined assets of these participants include:

- 1086 revenue vehicles
- 60 service vehicles
- 64 administrative / maintenance facilities
- 190 passenger facilities
- 23 non-vehicle equipment assets

Measuring and monitoring transit asset conditions enables transit providers to gain a holistic view of assets across the state. This information allows the plan sponsor and individual agencies to assess the performance of the transit system, analyze deficiencies and predict future needs, effectively allocate funding, and prioritize investments to maintain SGR. Asset condition is also an important public-facing measure. Users of the transit network notice and experience asset condition every day and recognize changes in asset condition. Public trust and confidence is bolstered when objective measurable results can be demonstrated through smart public investments. For depicting asset conditions, this TAM Plan uses definitions of asset condition and SGR developed by CDOT, the Transit & Rail Advisory Committee (TRAC) and the Group TAM Plan participants that are consistent with FTA's mandated performance measures.

Revenue Vehicles

In 49 CFR §625.5, FTA defines rolling stock as a revenue vehicle used in providing public transportation, including vehicles used to transport passengers and includes buses, vans, cars, locomotives, trolley cars, ferryboats, light rails, streetcars, other rail vehicles and vehicles used for guideways and incline planes, as well as vehicles used for support services.

Rolling Stock Condition

The purpose of the rolling stock (vehicle) condition assessment is to provide an overall snapshot of the current state of good repair of a fleet to aid in decisions concerning when it is most cost effective to replace the asset.

FTA’s mandated performance measure for rolling stock is the percentage of assets within a class that have met or exceeded their ULB. An asset is deemed to be in SGR if its age is less than the ULB specified for the corresponding asset type. Likewise, an asset is deemed to no longer be in SGR if its age equals or exceeds the corresponding ULB. The ULB value may be specified in terms of asset age, mileage and/or other factors. For purposes of this TAM Plan, CDOT is using the FTA default ULB values by asset type, all of which are specified in terms of asset age. More nuanced and comprehensive aspects of participants’ assets and asset conditions, such as mileage and maintenance history, may be considered in subsequent updates to this Plan.

There are a variety of vehicle types identified in this plan, which are defined in the 2017 NTD Glossary¹, and illustrated in Table 3-1 below.

Table 3-1. Revenue Vehicle Types

Revenue Vehicle Types	
	Over-the-Road (OTR) Coach: A bus characterized by an elevated passenger deck located over a baggage compartment, which can be equipped with a restroom.
	Transit bus: A bus with front and center doors, normally with a rear-mounted engine, low-back seating, and without luggage compartments or restroom facilities for use in frequent- stop service. This vehicle is commonly used on fixed route systems and can usually hold about 42 ambulatory passengers if two wheelchair tiedowns are provided. ²
	Cutaway: A vehicle that consists of a bus body mounted on the chassis of a van or light-duty truck. The original van or light-duty truck chassis may be reinforced or extended. Cutaways typically seat 15 or more passengers and may accommodate standing passengers.

1 FTA. *National Transit Database Glossary*. FTA, 2017.

2 Colorado DOT. *Overview of Transit Vehicles*. CDOT. https://www.codot.gov/programs/commuterchoices/documents/trandir_transit.pdf



Van/Minivan: A factory-built vehicle designed to be something between a car and a van. These vehicles typically hold seven or more passengers, including the driver.³



Aerial Tramway: An electric system of aerial cables with suspended powerless passenger vehicles.

Revenue Vehicle Condition Assessment and Performance Measures

CDOT collects inventory and condition data from transit providers in a database called COTRAMS. The Division of Transit and Rail (DTR) is also in the process of capturing more comprehensive transit asset data for a robust update to the database currently contained in COTRAMS. DTR's inventory system contains the asset data from all transit agencies with whom CDOT has a sub-recipient relationship, including the 53 providers participating in the group plan. Plan participant asset data is differentiated and tracked separately from the statewide database for the purposes of this Group TAM Plan.

Condition for revenue vehicles is determined by the age of vehicles relative to the Useful Life Benchmark (ULB) for each vehicle class. For purposes of this Group Plan, the FTA default ULB values are used to evaluate vehicle condition. These values are shown in Table 3-2.

Table 3-2. Revenue Vehicle ULB values

Vehicle Type	ULB
Automobile/SUV/Van	8 years
Cutaway	10 years
Aerial Tramway	12 years
Bus	14 years

³ Colorado DOT. *Overview of Transit Vehicles*. CDOT. https://www.codot.gov/programs/commuterchoices/documents/trandir_transit.pdf

Rolling Stock Inventory and Conditions

A total of 1,086 revenue vehicles across vehicle classes are included in the inventory and condition assessment. Of these, 72.3%, or 785 vehicles, are in a state of good repair, with 301 having asset ages beyond the ULB.

Table 3-3 summarizes the 53 participating agencies' combined revenue vehicle conditions as a percent within SGR or percent beyond SGR.

Agency specific SGR measures are provided in Appendix A.

Table 3-3. Revenue Vehicle Condition Summary

Vehicle Category	Class	Subtypes	ULB	Total	% in SGR	% Not in SGR
Revenue Vehicles	Aerial Tramway	Aerial Tramway	12	71	19.7%	80.3%
	Bus – Large	Bus 35'-42', OTR Coaches, Articulated	14	286	80.1%	19.9%
	Bus – Medium	Bus < 35'	14	80	85%	15%
	Cutaway – Large	Cutaway with > 15 seats	10	88	81.8%	18.2%
	Cutaway – Small	Cutaway with < 15 seats	10	243	71.2%	28.8%
	Van/Minivan	Vans, Minivans	8	254	74%	26%
	Automobile	Sedan, Wagon, SUV	8	64	64.1%	35.9%
	TOTAL			1086	72.3%	27.7%

Equipment

In 49 CFR §625.5, equipment is defined as an article of nonexpendable, tangible property having a useful life of at least one year. Equipment is used generally to support operations, construction or maintenance and repair work for public transportation. Examples of service vehicles provided in the 2017 NTD Glossary include tow trucks, supervisor vans, transit police cars, staff cars, and maintenance vehicles for maintaining passenger facilities or rolling stock. Examples of other inventoried equipment include IT/Office, Communication, Fare Collection, Maintenance or Surveillance systems.

Per the FTA Asset Management Rule, the inventory in this TAM Plan includes equipment with an original cost of \$50,000 or more plus all Service Vehicles (Rolling Stock), regardless of original cost. It includes only equipment assets owned by plan participants or for which they carry Direct Capital Responsibility.

Equipment Condition Assessment and Performance Measures

Service vehicles make up the primary class of equipment for purposes of this TAM Plan. Please note that Equipment other than Service Vehicles are inventoried, but are not included in SGR measures or targets for this TAM Plan. The State of Good Repair approach for Service Vehicles is similar to those used with Revenue Vehicles, using FTA’s default ULB for each class, as noted in Table 3-4.

Table 3-4. Equipment (Service Vehicles) ULB values

Equipment (Service Vehicle) Category	ULB
Automobile/SUV/Van	8 years
Pickup Truck/Rubber Tire Vehicles	14 years

Equipment Inventory and Condition

This Group Plan covers 86 equipment items, including 60 Service Vehicles and 23 non-rolling stock items with an initial value over \$50,000. Of the Service Vehicles identified in this plan, 73.3% are within a state of good repair. Table 3-5 provides a summary view of equipment inventory, and service vehicle condition by class.

Agency specific summaries are provided in Appendix A.

Table 3-5. Equipment Condition Summary

Category	Equipment Class	Subtype	Total	% in SGR	% Not in SGR
Equipment	Maintenance		5	n/a	
	Facility		1	n/a	
	IT/Office		13	n/a	
	Communications - Signs/Signals		4	n/a	
Service Vehicles	Trucks & Other Rubber Tire Vehicles	Pickup Truck, Maintenance, Construction	37	86%	14%
	Automobiles	Sedan, SUV, Van	23	52%	48%
Total Service Vehicles			60	73%	27%

Facilities

The facilities owned or operated by agencies participating in this Plan fall into one of two general categories: administrative/maintenance facilities, and passenger facilities. The approach used to assess the condition for both categories is based on guidance detailed in the *CDOT Vehicle and Facility Condition Guide*. The general approach relies on visual inspection of a facility's primary components to determine their rating using the FTA's five-point TERM scale shown below, which are then aggregated to arrive at an overall facility condition rating. This supports FTA's mandated SGR performance measure for facilities, which is the percentage of facilities within an asset class rated less than 3 on the TERM scale. Table 3-6 below describes the condition ratings.

Table 3-6. FTA TERM scale values

Rating	Condition	Description
5	Excellent	No visible defects, near new condition
4	Good	Some (slightly) defective or deteriorated component(s)
3	Adequate	Moderately defective or deteriorated component(s)
2	Marginal	Defective or deteriorated component(s) in need of replacement
1	Poor	Critically damaged component(s) or in need of immediate repair

The components outlined in Table 3-7 are the minimum major facility components that are assessed to ultimately inform the agency's determination of a facility's overall condition and state of good repair. The FTA TAM Rule requires that all facilities undergo this full component-based assessment at least once every four years with at least 25% of facility assessments being completed in TAM Plan year 2 (2019) and another 25% completed in each subsequent Plan year thereafter. While CDOT and participating agencies intend to fully implement this approach within the plan's four year horizon, in cases where facilities have not yet undergone a full assessment in this first Plan year, agencies have provided one overall condition score based on the agency's unique assessment methods. Facility condition data will be continually updated based on completion of component assessments and reflected in annual Plan updates.

Table 3-7. Facility Components

Component Number	Component
1	Roof
2	Shell
3	Interior
4	Conveyance
5	Plumbing
6	HVAC
7	Fire Protection
8	Electrical
9	Equipment
10	Site (parking, grounds)

Administrative/Maintenance Facility Condition Assessment

64 Administrative/Maintenance Facilities across Colorado are assessed in this TAM Plan. This category of facilities may include administration or maintenance facilities, bus parking, storage, or fueling facilities. These facilities average at 84% within SGR. Table 3-8 provides a summary of condition data for the support facilities for Group Plan participants.

Agency specific SGR results are provided in Appendix A.

Table 3-8. Support Facility Condition—Admin/Maintenance

Facility Type	Asset type	Total	% in SGR	% Not in SGR
Support Facilities	Admin	13	84%	15%
	Admin Office/Sales Office	2	50%	50%
	Bus Maintenance Facility	13	92%	8%
	Bus Parking Facility	12	83%	17%
	Combined Admin and Maintenance Building	3	67%	33%
	Maintenance Facility (Service and Inspection)	1	100%	0%
	Other Support Facility	10	100%	0%
	Other, Admin and Maintenance	9	67%	33%
	Storage Yard	0	n/a	n/a
	Vehicle Fueling Facility	1	100%	0%
	TOTAL	64	84%	16%

Passenger Facility Assessment

190 Passenger and Parking Facilities across Colorado are also assessed in this TAM Plan. This category of facilities includes Bus Shelters, Bus Stations, Intermodal Terminals, Park and Ride Lots, and Other Passenger Transit Facilities. Passenger facilities measure in at an exceptional 98% within SGR. Summary data is provided in Table 3-9.

Agency specific SGR summaries are provided in Appendix A.

Table 3-9. Passenger Facility Condition—Passenger and Parking

Facilities Category	Subtype	Total	% in SGR	% Not in SGR
Stations – Terminals	Bus Shelter	81	99%	1%
	Bus Station	33	97%	3%
	Intermodal Terminal	12	100%	0%
	Other Transit Facility	57	96%	4%
	Park and Ride Lot	1	100%	0%
	Parking Garage	3	100%	0%
	Parking Lot	3	100%	0%
	TOTAL	190	98%	2%



Chapter 4

Analytical Approach

The section of the Transit Asset management plan provides an overview of key decision-making tools and processes for improving the state of good repair of transit assets within the public transportation system in Colorado. These tools will assist participating agencies in assessing financial needs and asset prioritization now and in the future.

Overview

Colorado's Group TAM Plan is sponsored by CDOT. CDOT has partnered with Plan participants to gather updated asset data in an effort to inform the analytical process for project and program prioritization. This asset data allows for modeling transit investment needs for Tier II providers. This chapter describes CDOT's analytical approach to assist in prioritization of Tier II agency assets, in alignment with the FTA rule.

Federal Legislative Context

In 49 CFR 625.25, FTA requires that a group TAM plan include a "description of analytical processes or decision-support tools that a provider uses to estimate capital investment needs over time and develop its investment prioritization."

Data Collection

The analytical approach for understanding investment needs utilizes two data sources. The asset data described in Chapter 3 is sourced from a relational database, COTRAMS, along with an updated inventory Excel Workbook used to inform the TAM Plan. Also, to perform the analysis and prioritization of SGR needs, CDOT is using a customized version of the Transit Asset Prioritization Tool (TAPT) developed through the Transit Cooperative Research Program (TCRP) and included with TCRP Report 172.

COTRAMS database and TAM Plan inventory

CDOT collects inventory and condition data from transit providers in a database called COTRAMS, which is a relational database used across the organization, with primary use to support grant making. This database is used by transit agencies across the state to provide a view into their asset inventory. The data from COTRAMS is used to update NTD.

The Division of Transit and Rail (DTR) also maintains an active working Excel workbook to capture more comprehensive and updated transit asset data. Using baseline asset data sourced from COTRAMS, the 2018 TAM Plan Inventory Analysis workbook was developed in an effort to inform the TAM Plan with the most current and accurate data. DTR's inventory system contains the asset data from all transit agencies with whom CDOT has a sub recipient relationship, including the 53 providers participating in the group plan. Plan participant data is differentiated and tracked separately for the purposes of this Group TAM Plan.

Analytic Tools

To perform the analysis and prioritization of SGR needs, CDOT is using a customized version of the Transit Asset Prioritization Tool (TAPT) developed through the Transit Cooperative Research Program (TCRP) and included with TCRP Report 172.

TAPT is a Excel-based spreadsheet tool for predicting transit asset conditions and SGR needs. The tool contains customizable models for different asset types, and generates recommendations for rehabilitation or replacement of assets. TAPT can also predict asset conditions and performance over time. This analytic tool supports prediction of the overall performance using specified funding scenarios, and will generate a prioritized list of projects to fund given a budget constraint.

Figure 4-2 is a diagram illustrating the structure of TAPT. The tool has a single start screen that supports navigation, modeling, and analysis. The tool has templates for vehicle and facility models, including flexibility to create age-based and condition-based models. The tool creates new worksheets with summary outputs and detailed outputs for each scenario.

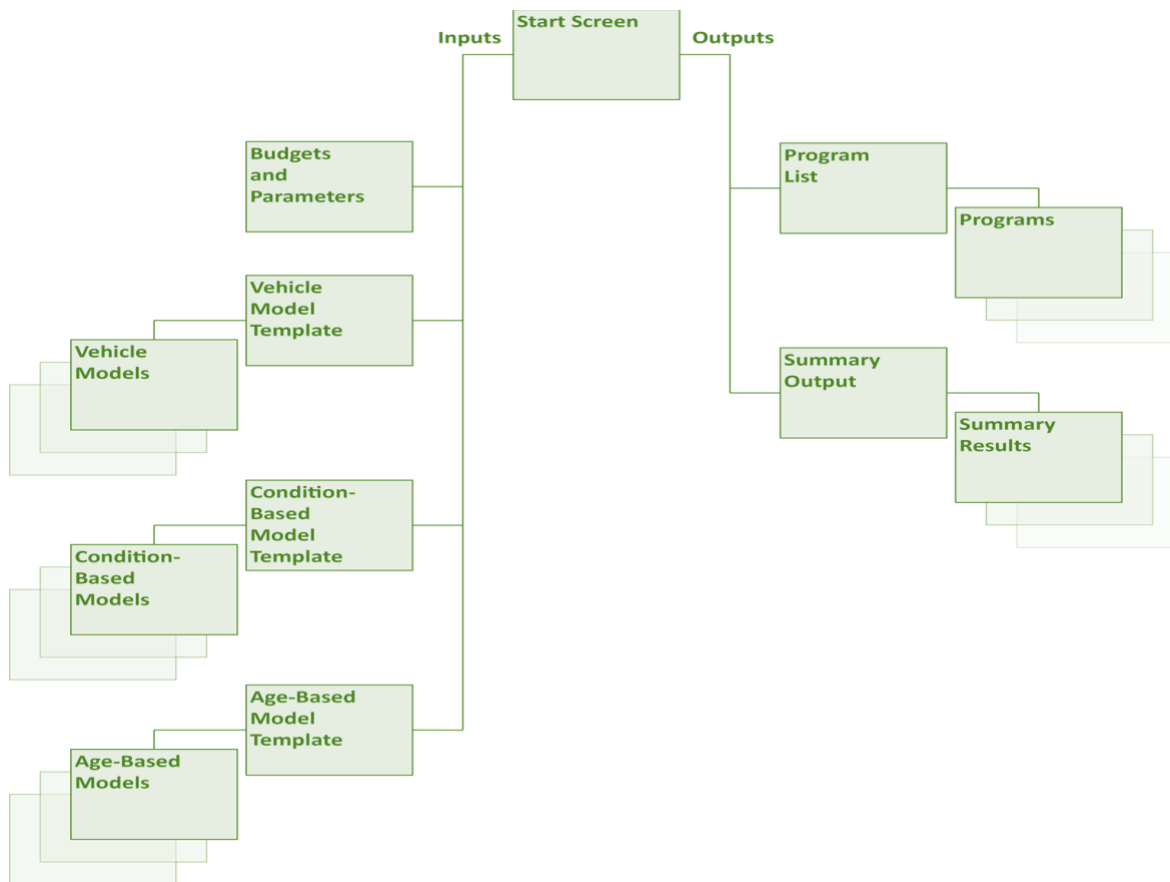


Figure 4-1. TAPT Structure

TAPT Inputs

TAPT Inputs can be maneuvered using the start screen, shown in Figure 4-2. From this screen, a user can add vehicle and facility inventory for analysis. Here, a user can also create, edit or delete an asset model, and adjust any model parameters. This screen will also support entering or adjusting budget and funding scenarios to best understand how variable funding will impact the ability to maintain a state of good repair. Using the start screen will also provide the ability to view and export program level and/or summary results.

Start Screen

ASSET INVENTORY

Opens worksheets to edit vehicle and facility data. Each asset in the vehicle and facility inventories is modeled using an existing asset group model. Create new asset groups to model other asset types not captured in these group models.

Edit Vehicle Inventory
Edit Facility Inventory

MODEL PARAMETERS

ASSET GROUP ADMINISTRATION

Opens worksheet to enter or edit information for a new asset group. You will be asked for an Asset Group ID Code and model type (vehicle, age-based, or condition-based).

Create Asset Group
Edit Asset Group
Delete Asset Group

BUDGETS AND PARAMETERS INPUT

Opens worksheet to input budget amounts for each year and review (and, if desired, override) default economic analysis.

Budgets & Parameters

PRIORITIZATION MODEL

PRIORITIZATION MODEL ADMINISTRATION

Runs the prioritization model using current budgets, parameters, and asset groups. You will be asked to specify a Run ID Code.

Run Prioritization Model
Delete Previous Run

PRIORITIZATION MODEL RESULTS

Displays a summary table showing prioritization model results by year for a selected run. You will be asked to select a Run ID Code.

Display Summary Table

ASSET REPLACEMENT PROGRAM

Displays a listing of the asset replacement program from a prioritization model run. You will be asked to select the Run ID Code.

Display Program List

FILE EXPORT

Click the button at right to export data as a set of three CSV files for use in the web-based version of TAPT. Note you should run the prioritization model at least once before

Export Data

SUMMARY STATISTICS

ASSET GROUPS

Vehicle	12
Non-Vehicle	10
Total	22

INITIAL CONDITIONS

Replacement Value (\$ 000)	215,568
Initial Needs (\$ 000)	49,665
Avg. Age (years)	8.8
Mean Distance Between Failures (miles)	5,751
Avg. Condition	3.3
CO2 Emissions (tons)	67,893

CHARTS

ONE AND TWO RUN CHARTS

Displays a chart showing prioritization model results by year for one model run or two. You will be asked to select a Run ID Code(s) and the output variable to be charted.

Display Chart - One Run
Display Chart - Two Runs

REPLACEMENT VALUE CHART

Non-Vehicle 0% Vehicle 100%

INITIAL NEEDS CHART

Non-Vehicle 0% Vehicle 100%

Figure 4-2. TAPT Start Screen

TAPT Outputs

TAPT generates summary results, as well as program level prioritization. Summary level results will provide an overview of funding levels needed, by year, to address the asset replacement or rehabilitation needs. Figure 4-3 illustrates an example of summary level output from TAPT using an unconstrained budget. It provides a view of costs by various factors, including energy costs, passenger delay and general budget expenditures.

Summary: Prioritization Run Unconstrained											
Year	① Needs		② Asset NPV	③ Budget (\$)	④ Expenditures from Budget (\$)	⑤ Remaining Backlog (\$)	⑥ Energy Costs (\$)	⑦ Other Agency Costs (\$)	⑧ Cost of Passenger Delay (\$)	⑨ Other Passenger Costs (\$)	⑩ Cost of CO2 Emissions (\$)
	① Amount (\$)	① Percent									
2019	49,665,015	23.0%	10,204,676	999,999,999	49,665,015	-	13,627,992	35,283,229	11,817,917	-	1,629,438
2020	14,144,943	6.6%	(372,157)	1,950,334,983	14,144,943	-	12,937,768	24,799,852	9,799,450	-	1,226,390
2021	18,140,255	8.4%	(553,959)	2,936,190,039	18,140,255	-	12,997,727	25,394,328	9,863,575	-	1,231,957
2022	11,342,138	5.3%	(180,610)	3,918,049,783	11,342,138	-	13,027,616	25,701,120	9,789,151	-	1,232,934
2023	8,413,175	3.9%	(181,888)	4,906,707,644	8,413,175	-	13,132,670	26,197,547	10,026,309	-	1,226,426
2024	17,188,700	8.0%	(323,067)	5,898,294,468	17,188,700	-	13,261,746	26,911,669	10,332,783	-	1,288,771
2025	10,032,091	4.7%	(26,751)	6,881,105,767	10,032,091	-	13,262,092	26,825,402	10,318,029	-	1,269,125
2026	16,502,071	7.7%	(376,153)	7,871,073,675	16,502,071	-	13,331,743	27,141,890	10,581,555	-	1,307,449
2027	26,280,014	12.2%	(459,439)	8,854,571,603	26,280,014	-	13,299,691	27,239,994	10,525,099	-	1,340,365
2028	6,868,179	3.2%	(91,089)	9,828,291,588	6,868,179	-	13,198,147	26,287,295	10,248,086	-	1,229,351
2029	16,468,375	7.6%	(173,132)	10,821,423,408	16,468,375	-	13,332,059	27,125,271	10,615,625	-	1,389,806
2030	17,846,985	8.3%	(354,182)	11,804,955,032	17,846,985	-	13,202,050	26,913,974	10,468,038	-	1,270,264
2031	19,368,336	9.0%	(424,757)	12,787,108,046	19,368,336	-	13,213,726	26,811,191	10,482,894	-	1,342,344
2032	6,508,329	3.0%	(6,251)	13,767,739,709	6,508,329	-	13,233,195	26,498,461	10,498,489	-	1,227,676
2033	38,639,929	17.9%	(1,073,913)	14,761,231,379	38,639,929	-	13,398,320	27,325,757	10,951,890	-	1,363,782
2034	15,016,541	7.0%	(385,664)	15,722,591,449	15,016,541	-	13,151,638	25,830,926	10,181,718	-	1,262,175
2035	23,503,437	10.9%	(384,311)	16,707,574,907	23,503,437	-	13,174,721	26,347,161	10,191,957	-	1,329,988
2036	12,975,295	6.0%	(244,995)	17,684,071,469	12,975,295	-	13,109,335	25,730,722	9,974,807	-	1,280,505
2037	9,217,411	4.3%	(189,693)	18,671,096,173	9,217,411	-	13,120,001	26,126,063	10,024,490	-	1,240,655
2038	16,883,498	7.8%	(317,729)	19,661,878,761	16,883,498	-	13,218,215	26,789,398	10,270,153	-	1,275,299

Figure 4-3. TAPT Summary Output

The outputs generated using TAPT include a view of specifying the point at which the asset should be rehabilitated or replaced. The prioritization model uses the asset-specific results to predict future conditions and recommend work given a budget. Figure 4-4 shows an example of asset-specific results.

Program List: Prioritization Run Unconstrained						
Program Year	Asset ID Code	Description	No. of Assets	Replacement Costs	Project Rank	PI
2019	All Points Transit 5-MPV Wagon	Van/Minivan	1	39,352	35	0.9092
2019	All Points Transit 6-Fiesta	Automobile (Serv)	1	34,250	242	0.0370
2019	All Points Transit 7-Entervan	Van/Minivan	1	39,352	139	0.1653
2019	All Points Transit 8-Uplander	Van/Minivan	1	39,352	46	0.5694
2019	Castle Rock Senior Center Inc 1-	Van/Minivan	1	39,352	69	0.3317
2019	City and County of Broomfield 2-T	Automobile (Rev)	1	33,145	8	11.2460
2019	City of Loveland 1-Uplander	Van/Minivan	1	39,352	46	0.5694
2019	City of Loveland 2-Uplander	Van/Minivan	1	39,352	46	0.5694
2019	Dolores County 2-Grand Caravan	Van/Minivan	1	39,352	69	0.3317
2019	Dolores County 3-Windstar	Van/Minivan	1	39,352	15	3.0833
2019	Dolores County 6-Grand Caravan	Van/Minivan	1	39,352	139	0.1653
2019	ECCOG 1-Safari	Van/Minivan	1	39,352	7	13.6107
2019	ECCOG 4-Caravan	Van/Minivan	1	39,352	221	0.0486
2019	El Paso Fountain Valley S.C.P 2-	Van/Minivan	1	39,352	69	0.3317
2019	El Paso Fountain Valley S.C.P 3-	Van/Minivan	1	39,352	69	0.3317
2019	El Paso Fountain Valley S.C.P 4-	Van/Minivan	1	39,352	11	4.5047
2019	Huerfano/Las Animas Area Counc	Van/Minivan	1	39,352	35	0.9092

Figure 4-4. TAPT Program Output 1

Using the TAPT tool

Below is a summary of the data elements needed for vehicle and facility modeling, and can provide a baseline for understanding the data inputs. TCRP Report 172 has a detailed description of TAPT, guidance on how to use the spreadsheet tool, and two tutorials using example data.

Vehicle

The user can edit the following fields for each fleet, either using imported data or overriding it as appropriate:

- **Fleet ID.** This is formed by concatenating the agency name and a sequence number, both of which can be edited.
- **Vehicle description.** This is formed from SGR Trans Database data by concatenating the model year, manufacturer and model.
- **Vehicle Useful Life (miles).** The ULB for the fleet in miles, if defined (by default this is not used).
- **Vehicle Useful Life (years).** The ULB for the fleet in year. This is defined by CTDOT by vehicle type.
- **Vehicle type.** This field specifies which specific vehicle model to use of the types defined in CTDOT's asset hierarchy.
- **Model year.** This is formed from SGR Trans Database data and used to calculate vehicle age.
- **Total current miles/hours.** This is an optional field and is not populated by default. If populated it is used to calculate an effective age for the fleet.
- **Number of vehicles.** This is the number of vehicles in a fleet and is formed from SGR Trans Database data.
- **Condition.** The condition of the fleet, measured using the 1-5 TERM scale. This is an optional field and is not populated by default. If populated it is used to calculate an effective age for the fleet.
- **Vehicle age.** This is calculated based on model year or date vehicle is placed into service. Vehicle condition is provided to assist in evaluating effective age.
- **Project code.** This is an optional field that can be used to identify a known project.
- **Pipeline year.** This is an optional field that can be used to identify a specific year when the vehicle will be replaced.
- **Indicator of whether or not to include the vehicle in the modeling.** Vehicles may be excluded if data are incomplete, or if the vehicle is modeled through a separately-defined asset group model.

Facility

The facility inventory is similar in concept to the vehicle inventory. For each facility defined, the screen allows specification of the following items:

- **Facility ID.** This is formed by concatenating the agency name, facility description and a sequence number, all of which can be edited.
- **Condition.** This is specified for ten facility systems – substructure, shell, interior, conveyance, plumbing, HVAC, fire protection, electrical, equipment, and site.
- **Construction year.** This field is used to calculate facility age.
- **Quantity.** This must be specified separately by system, and is typically either the roof area, floor area, or site area.
- **Project code.** This is an optional field that can be used to identify a known project.
- **Pipeline year.** This is an optional field that can be used to identify a specific year when the facility will be replaced/rehabilitated.
- **Indicator of whether or not to include the facility in the modeling.** Facilities may be excluded if data are incomplete, or if the vehicle is modeled through a separately-defined asset group model.

Note that each facility is modeled as a set of ten assets in TAPT, with one asset defined for each of the ten facility systems listed above.

Modeling

The TAPT modeling approach incorporates the three different asset-level models, as well as a prioritization model that integrates the asset-level models and simulates the allocation of resources to address SGR needs over time and across asset types. Below is a brief description of each of these:

- **Vehicle Model:** the revenue vehicle model takes as input data items reported by urban transit agencies to the NTD specified for a given fleet of vehicles, such as vehicle mileage, revenue passenger miles, maintenance costs, energy consumption and mechanical failures. The model then predicts agency, user and external costs, and mean distance between failures (MDBF) as a function of vehicle mileage. Further, it calculates the mileage at which a given vehicle should be replaced to minimize lifecycle costs, and the increased lifecycle costs that will result each year a needed replacement is deferred. The model includes default assumptions for growth in maintenance costs, rehabilitation costs and failures that are calibrated based on model inputs. Alternatively, one may override the default assumptions.
- **Condition-Based Model:** this model, which is technically a Markovian Decision Model, may be used to model any asset. It predicts the lifecycle agency, user and external costs associated with an asset, as well as the optimal point to perform rehabilitation or replacement, and the increase in lifecycle costs of deferring action. An asset is modeled as existing in one of a number of different condition states (in this case, using the five-point condition scale from TERM), and a set of transition probabilities describes the likelihood of transition from a given state to another given either the asset deteriorates or some action is taken. The model determines the optimal policy, or set of actions to take as a function of condition, to minimize agency, user and external costs. Further, the model explicitly calculates the cost of deferring a recommended action in terms of the increased lifecycle cost resulting from action deferral. Model defaults are provided for each asset type defined in TERM using TERM data.
- **Age-Based Model:** like the condition-based model, this is a generic model that can be used to model any asset. However, the condition-based model is recommended over this model where condition data are available. In the age-based model, asset rehabilitation or replacement is motivated by the gradually increasing cost of asset maintenance, as well as increasing likelihood of asset failure. This likelihood is modeled using a Weibull distribution. Using the model requires data on asset age, and the model outputs are essentially the same as those produced using the condition-based model.
- **Prioritization Model:** in TAPT asset rehabilitation/replacement is prioritized with an objective of minimizing lifecycle agency, user and external costs subject to a budget constraint. To accomplish this objective, the model establishes candidate rehabilitation/replacement actions, and calculates the costs and impacts of these using the asset-level models. The model then prioritizes potential investments in decreasing order of Prioritization Index (PI), where the PI is defined as the change in lifecycle cost resulting from delaying an action one year relative performing it in the specified year divided by the action cost. In concept the PI is a benefit cost ratio. However, one may tailor the prioritization function to change the weight of different types of benefits and/or specify an additional benefit realized from replacing an asset over and above that modeled by the asset-level models.

Modeling Assumptions for Colorado Transit Assets

Revenue Vehicles. TAPT age-based models were developed for the different types revenue vehicles defined in Chapter 3. TAPT defaults were used, calibrating these to CDOT’s established ULB values. Vehicle replacement costs were established based on the 2018 Vehicle Inventory referenced earlier in this chapter.

Facilities. For CDOT facilities, the TAPT condition-based model was used to define models for each of the major facility components defined in Chapter 3. TAPT defaults (which are in turn derived from those in TERM) were used to predict deterioration rates for each facility component.

Service Vehicles. Age-based models were developed for the service vehicle types defined in Chapter 3. TAPT defaults were used, calibrating these to CDOT’s established ULB values. Vehicle replacement costs were established based on the 2018 Vehicle Inventory referenced earlier in this chapter.

Applying Analytics

The use of analytic tools, TAPT, is an important element of the development of the Group TAM Plan, though its results are but one of a number of steps in the decision-making process for capital planning. The process for applying the analysis of SGR needs and using this to develop the capital plan should include the following:

- Populate TAPT with available data on the asset inventory, its condition, costs, budget and other data.
- Enter “pipelined” projects that are in progress or planned in the near term. This forces TAPT to rehabilitate or replace these assets in the specified year.
- Perform TAPT run using applicable budget constraints.
- Review results; adjust if necessary
- Perform another TAPT run, if necessary
- Use results from TAPT to help inform decision-making and generate a capital plan.
 - Please note - the final prioritization may differ significantly from that recommended by TAPT for a variety of reasons. These include:
 - Bundling of related needs differently than that modeled by the system.
 - Differences in costs.
 - Need for geographical equity. TAPT does not consider the need to balance investments between different areas or regions, but this is an important factor in “real world” decisions.
 - Limitations in uses of funding. TAPT models a budget as a single fund that can be used without limitation for any project.
 - CDOT or agency staff may identify additional factors and perspectives in prioritizing needs beyond those captured in any model.

Ideally, the outcomes of the analytic process and application will be:

- ✓ A capital plan that reflects available funding and incorporates TAPT priorities as is reasonable.
- ✓ A prioritized list of SGR needs that helps inform decisions concerning where additional and/or future investment should be directed.
- ✓ A list of prioritized needs that is a product of Plan participants judgment, TAPT analysis, and institutional experience.



Chapter 5

SGR Targets and Investment Prioritization

Understanding investment needs and prioritizing asset replacement is a key element of developing a useful and actionable transit asset management plan. This section provides an overview of funding requirements to meet SGR and outlines specific asset prioritization needs.

Overview

As the sponsor of Colorado’s Group Plan, CDOT has evaluated the asset replacement needs using funding streams from both the federal and state sources. As outlined in Chapter 4, CDOT has used TAPT as the analytic tool to provide a baseline to predict investments needed to achieve and maintain assets in a state of good repair.

Federal Legislative Context

In 49 CFR 625.25, FTA requires than a group TAM plan include a “provider’s project-based prioritization of investments.” The investment prioritization must “take into consideration its estimation of funding levels from all available sources that it reasonably expects will be available in each fiscal year during the group TAM plan horizon period.”

Transit Funding in Colorado

Funding for Colorado’s transit capital investments draws from federal, state and local sources. For the investment analysis in this TAM Plan, estimates of future Federal, State and Local funding were derived from recent CDOT and participating agencies’ spending history. Tables 5-1 and 5-2 show the historical average of annual capital spending over a three year period. Based on these figures, an annual \$15 million budget for combined State, Federal and Local asset management was used to model a theoretical asset investment plan and resulting SGR Targets for this Group TAM Plan. A second, fiscally unconstrained model is also used to develop the TAM Plan’s Project Prioritization.

Table 5-1: 3-Year Average Vehicle Funding

Vehicle Funding	
State	\$4,067,134
Federal	\$4,363,837
Local	\$6,267,561
Combined	\$14,698,542

Table 5-2: 3-Year Average Facility Funding

Facilities Funding	
State	\$332,000
Federal	\$33,233
Combined	\$365,233

Estimated Investment Needs

In order to fund all assets projected to need replacement in the next 4 years, with no backlog, the TAPT analysis indicates a budget requirement just over \$118 million combined, as shown in Table 5-3. In this timeline, 99% of assets requiring replacement are in the vehicle category.

Table 5-3. Unconstrained Needs Estimate

Year	Amount
2019	\$62,680,586
2020	\$14,144,943
2021	\$29,972,197
2022	\$11,342,138

The TAPT analysis was also used to model an investment scenario based on the combined estimated \$15 million annual capital budget. Given these annual funding levels and resulting theoretical investment prioritization, the participating agencies could expect to see a range of approximately \$62 million - \$74 million in combined SGR needs year-to-year through the four-year plan horizon. The estimated \$15 million capital budget, if invested according to the modeled replacement prioritization, would result in a backlog of \$48 million - \$64 million for asset replacements year over year, as shown in Table 5-4 below.

Table 5-4. \$15 million Scenario Budget with Backlog

Year	Amount	Backlog
2019	\$62,680,586	\$48,214,266
2020	\$62,359,209	\$46,849,643
2021	\$76,821,840	\$62,419,392
2022	\$73,761,530	\$62,991,648

Table 5-5 summarizes the TAPT recommended prioritized replacements over the first four years in the TAM Plan horizon, based on the \$15 million budget scenario and broken down by asset class. Note: While the investment analysis projects facility investments by individual subcomponents, facility figures in the table represent the number of facilities returned to an overall SGR rather than the number of subcomponent investments in the scenario.

In the model scenarios, the aerial tramways were treated with the FTA default ULB of 12 years. All the vehicles in this class are owned and operated by the Town of Mountain Village. The agency manages these vehicles using a significantly longer expected life policy and replacement plan of 20-30 years. The model recommends replacement of all 50 aerial tramway vehicles beyond the 12-yr SGR within the first year of this Plan, which sets an unrealistic expectation, considering the agency's vehicle expected life. To compensate, the replacement count in the Table 5-5 scenario below has been adjusted from 50 to 28 based on a 20-yr replacement age, rather than the 12-yr default.

Table 5-5. \$15 Million Annual Investment Scenario, Number of Investments by Asset Class

Asset Category	Class	2019	2020	2021	2022
Revenue Vehicles	Aerial Tramway*	28	7	0	0
	Bus – Large	0	5	12	0
	Bus – Medium	1	5	0	7
	Cutaway – Large	3	8	3	0
	Cutaway – Small	26	21	29	0
	Van/Minivan	61	8	16	13
	Automobile	18	6	4	3
	TOTAL Revenue Vehicles	137	60	64	23
Service Vehicles	Trucks & Other	1	0	2	0
	Automobile	10	2	0	0
	TOTAL Service Vehicles	11	2	2	0
Facilities†	Support Facilities	3	3	1	0
	Passenger Facilities	1	5	1	1
	TOTAL Facilities	4	8	2	2
TOTAL		152	70	68	25

*Based on agency's expected vehicle life

†Reflects number of facilities returned to SGR, rather than the number of subcomponent investments

State of Good Repair (SGR) Targets

Assuming the \$15 million prioritized investment plan were theoretically implemented in 2019, the SGR measures for each of the asset classes identified in this plan would be improved accordingly. These resulting measures, depicted in Table 5-6, form the 2019 SGR Targets for this Group TAM Plan. SGR Targets are a measure of the percent of assets in each class that are beyond a state of good repair following the program year's replacements. Therefore, a lower SGR Target represents a better asset class condition and a higher SGR Target represents a less favorable asset class condition. Note: The aerial tramway target is based on the adjusted number of 2019 replacements in Table 5-5.

Table 5-6. 2019 Group TAM Plan SGR Targets

Asset Category	Class	Current % Beyond SGR	2019 Target
Revenue Vehicles	Aerial Tramway*	80.3%	41%
	Bus – Large	19.9%	20%
	Bus – Medium	15%	14%
	Cutaway – Large	18.2%	15%
	Cutaway – Small	28.8%	18%
	Van/Minivan	26%	2%
	Automobile	35.9%	8%
	<i>TOTAL Revenue Vehicles</i>	<i>27.7%</i>	<i>15%</i>
Service Vehicles	Trucks & Other Rubber Tire Vehicles	13.5%	11%
	Automobiles	47.8%	4%
	<i>TOTAL Service Vehicles</i>	<i>26.7%</i>	<i>8%</i>
Facilities	Support Facilities	15.6%	11%
	Passenger Facilities	2.1%	2%
	<i>TOTAL Facilities</i>	<i>5.5%</i>	<i>4%</i>

*Based on agency's expected vehicle life

Utilizing the Group TAM Plan

It is important at this point to briefly note some of the limitations of this TAM Plan and to consider how it can best be used by CDOT and by plan participants to improve the condition of transit assets.

Of particular significance is the fact that the SGR measures, model investment scenarios and resulting SGR Targets are based on uniform parameters for all the assets in the plan. Using a single ULB for all the vehicle assets in a certain class within a Group TAM Plan allows all the vehicles across multiple agencies to be compared like-for-like against one another. Doing so, however, also asserts that every vehicle in a certain asset class is actually beyond SGR and prime for replacement at the same age regardless of those vehicle's unique characteristics and operating environments. Similarly, the resulting model investment scenarios are based on asset age alongside estimated maintenance costs, passenger delay costs, replacement costs and emissions costs derived from aggregated industry data rather than the actual costs related to each agency's operating environments and each asset's characteristics. More sophisticated TAM Plans and analyses are possible, but are more feasible when they are developed and limited to a single agency versus a Group TAM Plan where availability of consistent and reliable data from numerous agencies is more difficult to obtain.

Another inherent limitation in this Group TAM Plan is that actual investment decisions are not centralized. Every participating agency manages its own capital budget and makes its own asset replacement plans based on its specific environment, policies and local priorities. Those decisions consider many unique factors not included in this Plan. Further, the estimated Local funding estimate used in the Plan's investment scenarios assumes funding in prior years is representative of actual funds available and that it will continue to be available in future years. It also assumes that all local funds are available to replace any asset throughout the collective Group TAM Plan inventory.

With these limitations in mind, this Group TAM Plan is best utilized as a tool to better inform investment decisions rather than as a firm, prescriptive plan of investments. CDOT may use the prioritization of projects and the multi-year balance of those investments among the various asset classes to inform its decisions on how it balances the use of its consolidated capital funds among different capital needs. CDOT will also consider where individual assets fall beyond a state of good repair relative to other like assets within the statewide inventory when it evaluates competitive applications for Federal or State funding. Plan Participants would be expected to optimize the use of their capital funding by also considering the relative age of vehicles and condition of facilities among all the agency's assets when developing capital plans. Agencies that do not already consider increasing maintenance costs or cost of passenger delays in their capital planning might look to the model prioritized projects list to inform their replacement decisions.

The Group TAM Plan will undergo periodic, if not annual updates. Refinements to the asset inventory data will continually improve the effectiveness of the Plan as a reliable tool. In subsequent updates, other Plan improvements will be considered, such the inclusion of asset maintenance data in investment prioritizations, improved and standardized vehicle and facility condition assessments and the identification of each participating agency's capital budgets. In addition, the ULB for aerial tramways will be adjusted to the agency's unique expected life, so that more realistic SGR measures, targets and prioritization models are reflected in the Plan.

Project Prioritization

This section presents the prioritized list of investments for assets within this Plan, using the *fiscally unconstrained scenario* of asset replacement to generate the results.

The project prioritization is presented in Table 5-7 below, sorted in order of project year and project rank for the next 4 years. The table includes 5 columns:

- **Year.** The program year of the investment. (Year Enters SGR Backlog for Unconstrained Model)
- **Asset ID Code.** Identifies the specific asset(s) in the investment. For vehicle assets, the ID is comprised of the owner/operator, the agency's vehicle ID, and the vehicle model. For facilities, the ID is comprised of the agency name and the facility name.
- **Description.** The asset type, as defined in the asset classes presented in Chapter 3. For facilities, this also includes the subcomponent (e.g. substructure, shell, interior etc.).
- **Cost.** The projected cost of the investment or replacement.
- **Rank.** The priority of the investment within the program year, descending from a Rank value of one (1). Rank is assigned according to the Prioritization Index (PI) value of the investment. Projects with the same Rank value carried equal PI values.

Table 5-7. Investment Priorities by Asset, Unconstrained Funding Scenario

Program Year	Asset ID Code	Description	Costs	Rank
2019	RFTA V14-WINDSTAR	Van/Minivan	\$39,352	1
2019	NECALG 34-Van	Van/Minivan	\$39,352	2
2019	NECALG 35-Van	Van/Minivan	\$39,352	2
2019	NECALG 36-Van	Van/Minivan	\$39,352	2
2019	NECALG 37-Club Wagon	Van/Minivan	\$39,352	2
2019	NECALG 36-Van	Van/Minivan	\$39,352	2
2019	ECCOG DDI-Safari	Van/Minivan	\$39,352	7
2019	City and County of Broomfield 1660-Taurus	Automobile (Rev)	\$33,145	8
2019	Mountain Village, Town of ES-12-Suburban	Automobile (Rev)	\$33,145	9
2019	RFTA C6-Explorer	Automobile (Rev)	\$33,145	10
2019	El Paso Fountain Valley S.C.P 325-Econovan	Van/Minivan	\$39,352	11
2019	Mountain Village, Town of PT-06-Van/Handicap	Van/Minivan	\$39,352	11
2019	Montezuma County 32-3-Expedition XLT	Automobile (Rev)	\$33,145	13
2019	Wet Mountain Valley Community Services, Inc Wet Mtn-F250 Econoline	Automobile (Rev)	\$33,145	13
2019	Dolores County 1-Windstar	Van/Minivan	\$39,352	15
2019	Mountain Village, Town of ES-02-Yukon XL	Van/Minivan	\$39,352	15
2019	NECALG 56-Caravan	Van/Minivan	\$39,352	15
2019	Mountain Village, Town of ES-08-Highlander Ltd Hybrid	Automobile (Rev)	\$33,145	18
2019	Mountain Village, Town of ES-18-Highlander Hybrid	Automobile (Rev)	\$33,145	18
2019	Montezuma County 32-4-Monterey	Van/Minivan	\$39,352	20
2019	NECALG 20-Grand Caravan Sport	Van/Minivan	\$39,352	20
2019	RFTA G5-MONTANA	Van/Minivan	\$39,352	20
2019	RFTA X2-Explorer	Automobile (Rev)	\$33,145	23
2019	RFTA X3-Explorer	Automobile (Rev)	\$33,145	23
2019	Senior Resource Development Agency 823-Focus Passenger Car	Automobile (Rev)	\$33,145	23
2019	Senior Resource Development Agency 824-Focus Passenger Car	Automobile (Rev)	\$33,145	23
2019	NECALG 60-Grand Caravan	Van/Minivan	\$39,352	27
2019	NECALG 61-Grand Caravan	Van/Minivan	\$39,352	27
2019	RFTA G7-Van	Van/Minivan	\$39,352	27
2019	Town of Telluride 126-Passenger Van	Van/Minivan	\$39,352	27
2019	Town of Breckenridge 7427-PRIUS	Automobile (Serv)	\$34,250	31
2019	Mountain Village, Town of ES-20-Yukon XL	Automobile (Rev)	\$33,145	32
2019	Mountain Village, Town of PT-11-Escape Hybrid	Automobile (Serv)	\$34,250	33
2019	RFTA C7-Explorer	Automobile (Serv)	\$34,250	33
2019	All Points Transit 21-MPV Wagon DX	Van/Minivan	\$39,352	35
2019	Huerfano/Las Animas Area Council of Governments 17-Caravan	Van/Minivan	\$39,352	35
2019	Huerfano/Las Animas Area Council of Governments 16-Caravan	Van/Minivan	\$39,352	35

Program Year	Asset ID Code	Description	Costs	Rank
2019	NECALG 69-Caravan	Van/Minivan	\$39,352	35
2019	NECALG 71-Caravan	Van/Minivan	\$39,352	35
2019	NECALG 72-Grand Caravan	Van/Minivan	\$39,352	35
2019	NECALG 73-Grand Caravan	Van/Minivan	\$39,352	35
2019	NECALG 73-Grand Caravan	Van/Minivan	\$39,352	35
2019	Park County 88-Trailblazer	Automobile (Rev)	\$33,145	43
2019	Via Mobility Services VPT-100-Prius	Automobile (Rev)	\$33,145	43
2019	Park County 36-MV200	Cutaway - Sm	\$88,726	45
2019	All Points Transit 22-Uplander	Van/Minivan	\$39,352	46
2019	City of Loveland 8026-Uplander	Van/Minivan	\$39,352	46
2019	City of Loveland 8026-Uplander	Van/Minivan	\$39,352	46
2019	Montezuma County 32-5-Uplander - ADA Braun	Van/Minivan	\$39,352	46
2019	Mountain Village, Town of ES-15-C-10 Chevy Van	Van/Minivan	\$39,352	46
2019	NECALG 74-Uplander	Van/Minivan	\$39,352	46
2019	NECALG 76-Uplander	Van/Minivan	\$39,352	46
2019	NECALG 77-Uplander	Van/Minivan	\$39,352	46
2019	NECALG 78-Uplander	Van/Minivan	\$39,352	46
2019	NECALG 79-Uplander	Van/Minivan	\$39,352	46
2019	NECALG 77-Uplander	Van/Minivan	\$39,352	46
2019	RFTA L3-FUSION	Van/Minivan	\$39,352	46
2019	RFTA L1-STATION WAGON	Cutaway - Sm	\$88,726	58
2019	Town of Avon #332-Tahoe	Automobile (Serv)	\$34,250	59
2019	Town of Avon #800-Escape Hybrid	Automobile (Serv)	\$34,250	59
2019	Teller Senior Coalition Outback-Outback	Automobile (Rev)	\$33,145	61
2019	Via Mobility Services VPT-101-Prius	Automobile (Rev)	\$33,145	61
2019	Via Mobility Services VPT-102 -Prius	Automobile (Rev)	\$33,145	61
2019	Pueblo Admin / Maintenance	Facility-Equipment	\$1,319,370	64
2019	RFTA T4-SAND TRUCK	Trucks & Other	\$41,660	65
2019	RFTA AMF Old	Facility-Conveyance	\$721,786	66
2019	Mountain Village, Town of GO-02-Suburban	Automobile (Serv)	\$34,250	67
2019	RFTA C10-COMMANDER	Automobile (Serv)	\$34,250	67
2019	RFTA C11-COMMANDER	Automobile (Serv)	\$34,250	67
2019	RFTA L2-PRIUS	Automobile (Serv)	\$34,250	67
2019	Castle Rock Senior Center Inc V-7-Town and Country	Van/Minivan	\$39,352	71
2019	Dolores County 2-Grand Caravan	Van/Minivan	\$39,352	71
2019	El Paso Fountain Valley S.C.P 329-Grand Caravan	Van/Minivan	\$39,352	71
2019	El Paso Fountain Valley S.C.P 324-Grand Caravan	Van/Minivan	\$39,352	71
2019	Huerfano/Las Animas Area Council of Governments 802-Uplander	Van/Minivan	\$39,352	71
2019	Huerfano/Las Animas Area Council of Governments 803-Uplander	Van/Minivan	\$39,352	71

Program Year	Asset ID Code	Description	Costs	Rank
2019	Mountain Village, Town of ES-16-SD 12 PASSENGER VAN	Van/Minivan	\$39,352	71
2019	Mountain Village, Town of ES-17-SD 12 PASSENGER VAN	Van/Minivan	\$39,352	71
2019	NECALG 83-Uplander	Van/Minivan	\$39,352	71
2019	RFTA L4-GRAND CARAVAN	Van/Minivan	\$39,352	71
2019	SUCAP SC-374-Grand Caravan	Van/Minivan	\$39,352	71
2019	Teller Senior Coalition Savana Van-Savana	Van/Minivan	\$39,352	71
2019	Mountain Village, Town of 42-10904-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 23-10901-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 15-10906-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 49-10907-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 41-10897-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 11-10898-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 43-10908-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 18-10902-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 50-10905-CWA OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 21-10909-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 10-10910-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 13-10913-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 1-10896-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 17-10903-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 3-10889-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 7-10890-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 25-10891-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 6-10895-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 5-10893-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 22-10899-OMEGA-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 55-10892-OM-S	Aerial Tramway	\$45,000	83
2019	Mountain Village, Town of 56-10911-OM-S	Aerial Tramway	\$45,000	83
2019	RFTA G1-Panel VAN	Cutaway - Sm	\$88,726	105
2019	Mountain Village, Town of 31-21932-CWA OMEGA-S	Aerial Tramway	\$45,000	106
2019	Mountain Village, Town of 54-21936-CWA OMEGA-S	Aerial Tramway	\$45,000	106
2019	Mountain Village, Town of 45-21935-CWA OMEGA-S	Aerial Tramway	\$45,000	106
2019	Mountain Village, Town of 29-21934-OMEGA-S	Aerial Tramway	\$45,000	106

Program Year	Asset ID Code	Description	Costs	Rank
2019	Mountain Village, Town of 30-21933-OMEGA-S	Aerial Tramway	\$45,000	106
2019	Mountain Village, Town of 27-21937-OMEGA-S	Aerial Tramway	\$45,000	106
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Equipment	\$88,400	112
2019	Town of Snowmass Village Daly Lane Depot	Facility-Equipment	\$501,582	113
2019	El Paso Fountain Valley S.C.P 320-GCII	Cutaway - Sm	\$88,726	114
2019	El Paso Fountain Valley S.C.P 319-GCII	Cutaway - Sm	\$88,726	114
2019	Senior Resource Development Agency 813-Ram Van	Cutaway - Sm	\$88,726	114
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Conveyance	\$44,200	117
2019	Senior Resource Development Agency 828-Focus	Automobile (Rev)	\$33,145	118
2019	Pueblo 63001-Fusion	Automobile (Serv)	\$34,250	119
2019	City of Loveland 8018-CL100	Cutaway - Lg	\$88,726	120
2019	NECALG 49-GCII	Cutaway - Sm	\$88,726	120
2019	NECALG 50-GCII	Cutaway - Sm	\$88,726	120
2019	Mountain Village, Town of 53-23300-CWA OMEGA-S	Aerial Tramway	\$45,000	123
2019	Mountain Village, Town of 34-23299-CWA OMEGA-S	Aerial Tramway	\$45,000	123
2019	Mountain Village, Town of 38-23301-CWA OMEGA-S	Aerial Tramway	\$45,000	123
2019	Mountain Village, Town of 37-23302-OMEGA-S	Aerial Tramway	\$45,000	123
2019	Mountain Village, Town of 47-23297-OMEGA-S	Aerial Tramway	\$45,000	123
2019	Mountain Village, Town of 35-23298-OMEGA-S	Aerial Tramway	\$45,000	123
2019	Town of Winter Park Bus Barn	Facility-Interior	\$143,650	129
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Fire	\$22,100	130
2019	Senior's Resource Center SRC Evergreen	Facility-Fire	\$5,525	130
2019	City of Aspen S-10-Aerotech 200	Cutaway - Sm	\$88,726	132
2019	El Paso Fountain Valley S.C.P 315-Pacer II	Cutaway - Sm	\$88,726	132
2019	Golden Age Council 3-Cutaway	Cutaway - Sm	\$88,726	132
2019	Montezuma County 32-2-GOSHEN	Cutaway - Sm	\$88,726	132
2019	RFTA S10-EL DORADO	Cutaway - Sm	\$88,726	132
2019	Mountain Village, Town of 9-25905-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 8-25903-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 3-25898-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 1-25900-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 6-25904-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 4-25899-3-CWA OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 5-25901-3-OMEGA-III	Aerial Tramway	\$45,000	137

Program Year	Asset ID Code	Description	Costs	Rank
2019	Mountain Village, Town of 2-25906-3-OMEGA-III	Aerial Tramway	\$45,000	137
2019	Mountain Village, Town of 7-25902-3-OMEGA-III	Aerial Tramway	\$45,000	137
2019	All Points Transit 28-Entervan	Van/Minivan	\$39,352	146
2019	Dolores County 3-Grand Caravan	Van/Minivan	\$39,352	146
2019	Mountain Family Center 5-Grand Caravan	Van/Minivan	\$39,352	146
2019	Mountain Family Center 8-Grand Caravan	Van/Minivan	\$39,352	146
2019	NECALG 95-Grand Caravan	Van/Minivan	\$39,352	146
2019	NECALG 95-Grand Caravan	Van/Minivan	\$39,352	146
2019	North Front Range Transportation & Air Quality Planning Council 20523-Sienna	Van/Minivan	\$39,352	146
2019	North Front Range Transportation & Air Quality Planning Council 20525-Town and Country	Van/Minivan	\$39,352	146
2019	Senior Resource Development Agency 827-Caravan	Van/Minivan	\$39,352	146
2019	SUCAP SC-2-PV Entervan	Van/Minivan	\$39,352	146
2019	RFTA CMF	Facility-Site	\$160,115	156
2019	Town of Winter Park Bus Barn	Facility-Site	\$71,825	156
2019	Archuleta County 249-Senator	Cutaway - Lg	\$88,726	158
2019	Huerfano/Las Animas Area Council of Governments 8-Pacer II	Cutaway - Sm	\$88,726	158
2019	Huerfano/Las Animas Area Council of Governments 6-Supreme	Cutaway - Sm	\$88,726	158
2019	La Junta City Of 1408-Allstar	Cutaway - Lg	\$88,726	158
2019	NECALG 22-Supreme Candidate	Cutaway - Sm	\$88,726	158
2019	Prowers County 25-3091-Candidate	Cutaway - Sm	\$88,726	158
2019	RFTA G3-Bus	Cutaway - Sm	\$88,726	158
2019	Senior Resource Development Agency 821-Pacer II	Cutaway - Sm	\$88,726	158
2019	Mountain Village, Town of 16-27273-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 28-27272-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 12-27270-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 4-27269-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 24-27268-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 20-27267-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Mountain Village, Town of 8-27271-OMEGA-III XL	Aerial Tramway	\$45,000	166
2019	Dolores County Bus-Senator	Cutaway - Sm	\$88,726	173
2019	Huerfano/Las Animas Area Council of Governments 9-Supreme	Cutaway - Sm	\$88,726	173
2019	NECALG 25-Supreme Candidate	Cutaway - Sm	\$88,726	173
2019	RFTA S12 -STARCRAFT	Cutaway - Sm	\$88,726	173
2019	RFTA G4-Bus	Cutaway - Sm	\$88,726	173

Program Year	Asset ID Code	Description	Costs	Rank
2019	Routt County Government 800-Supreme	Cutaway - Sm	\$88,726	173
2019	Steamboat Springs 41-Startrans	Cutaway - Sm	\$88,726	173
2019	Steamboat Springs 56-Phantom	Bus - Md	\$465,039	180
2019	RFTA CMF	Facility-Plumbing	\$320,229	181
2019	RFTA Parker House 2	Facility-Plumbing	\$309,400	181
2019	RFTA Parker House 4	Facility-Plumbing	\$309,400	181
2019	RFTA AMF Office Trailer	Facility-HVAC	\$16,575	181
2019	RFTA CMF	Facility-HVAC	\$320,229	181
2019	RFTA Parker House 4	Facility-HVAC	\$309,400	181
2019	Pueblo Transit Center	Facility-HVAC	\$102,500	181
2019	RFTA Parker House 1	Facility-Electrical	\$309,400	181
2019	RFTA Parker House 2	Facility-Electrical	\$309,400	181
2019	RFTA Parker House 4	Facility-Electrical	\$309,400	181
2019	Pueblo Transit Center	Facility-Electrical	\$102,500	181
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Plumbing	\$44,200	192
2019	Pueblo Admin / Maintenance	Facility-Plumbing	\$659,685	192
2019	All Points Transit All Points Transit Office 1	Facility-HVAC	\$53,040	192
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-HVAC	\$44,200	192
2019	Steamboat Springs Transit Operations Center	Facility-HVAC	\$547,947	192
2019	Pueblo Admin / Maintenance	Facility-HVAC	\$659,685	192
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Electrical	\$44,200	192
2019	Pueblo Admin / Maintenance	Facility-Electrical	\$659,685	192
2019	Town of Snowmass Village Daly Lane Depot	Facility-Electrical	\$250,791	192
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Substructure	\$44,200	201
2019	RFTA AMF Office Trailer	Facility-Substructure	\$16,575	201
2019	RFTA Parker House 1	Facility-Substructure	\$309,400	201
2019	RFTA Parker House 4	Facility-Substructure	\$309,400	201
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Shell	\$44,200	201
2019	RFTA CMF	Facility-Shell	\$320,229	201
2019	RFTA Parker House 1	Facility-Shell	\$309,400	201
2019	RFTA Parker House 2	Facility-Shell	\$309,400	201
2019	RFTA Parker House 4	Facility-Shell	\$309,400	201
2019	Routt County Government Steamboat Shop	Facility-Shell	\$44,200	201
2019	Town of Winter Park Bus Barn	Facility-Shell	\$143,650	201
2019	Town of Snowmass Village RFTA Depot at Village Mall	Facility-Shell	\$183,872	201
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Interior	\$44,200	201

Program Year	Asset ID Code	Description	Costs	Rank
2019	RFTA AMF Office Trailer	Facility-Interior	\$16,575	201
2019	RFTA CMF	Facility-Interior	\$320,229	201
2019	RFTA Parker House 1	Facility-Interior	\$309,400	201
2019	RFTA Parker House 4	Facility-Interior	\$309,400	201
2019	Town of Snowmass Village Brush Crk/Owl Crk DH Bus Stop	Facility-Shell	\$36,841	218
2019	Senior's Resource Center 5562-Prius	Automobile (Rev)	\$33,145	219
2019	Senior's Resource Center 5561-Prius	Automobile (Rev)	\$33,145	219
2019	City of Aspen S-13-Aerotech	Cutaway - Sm	\$88,726	221
2019	City of Aspen S-14-Aerotech	Cutaway - Sm	\$88,726	221
2019	Prowers County 25-3092-Candidate	Cutaway - Sm	\$88,726	221
2019	Pueblo 63305-G27	Cutaway - Lg	\$88,726	221
2019	RFTA S13-EL DORADO	Cutaway - Sm	\$88,726	221
2019	RFTA S14-EL DORADO	Cutaway - Sm	\$88,726	221
2019	Mountain Village, Town of 40-31029-CWA OMEGA-III XL	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 44-31030-OMEGA-III XL	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 48-31031-OMEGA-III XL	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 36-31032-OMEGA-III XL	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 32-31033-OMEGA-III XL	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 11-31028-3-OMEGA-III	Aerial Tramway	\$45,000	227
2019	Mountain Village, Town of 10-31027-3-OMEGA-III	Aerial Tramway	\$45,000	227
2019	RFTA 376-AN440 TRANSLINER	Bus - Lg	\$482,445	234
2019	RFTA 377-AN440 TRANSLINER	Bus - Lg	\$482,445	234
2019	RFTA 378-AN440 TRANSLINER	Bus - Lg	\$482,445	234
2019	RFTA 382-AN440 TRANSLINER	Bus - Lg	\$482,445	234
2019	RFTA 386-AN440 TRANSLINER	Bus - Lg	\$482,445	234
2019	Mountain Express 40-AS FE	Bus - Md	\$465,039	239
2019	El Paso Fountain Valley S.C.P Kitty Pastor Building 1	Facility-Site	\$22,100	240
2019	RFTA Bunker Offices	Facility-Site	\$22,100	240
2019	RFTA Parker House 1	Facility-Site	\$154,700	240
2019	RFTA Parker House 2	Facility-Site	\$154,700	240
2019	RFTA Parker House 3	Facility-Site	\$154,700	240
2019	RFTA Parker House 4	Facility-Site	\$154,700	240
2019	Town of Snowmass Village RFTA Depot at Village Mall	Facility-Site	\$91,936	240
2019	Town of Snowmass Village Daly Lane Depot	Facility-Site	\$125,395	240
2019	Town of Snowmass Village Brush Crk/Owl Crk DH Bus Stop	Facility-Site	\$18,420	240

Program Year	Asset ID Code	Description	Costs	Rank
2019	Town of Snowmass Village Brush Crk./Owl Crk UH Pullout	Facility-Site	\$13,072	249
2019	Town of Snowmass Village Brush Creek/Faraway Pull Out	Facility-Site	\$20,763	249
2019	Town of Snowmass Village Brush Crk/Faraway DH Bus Stop	Facility-Site	\$25,316	249
2019	City of Loveland 8024-Allstar	Cutaway - Sm	\$88,726	252
2019	City of Loveland 8022-Allstar	Cutaway - Sm	\$88,726	252
2019	City of Loveland 8022-E35Y	Cutaway - Sm	\$88,726	252
2019	Eagle County 453-Aeroelite	Cutaway - Lg	\$88,726	252
2019	Eagle County 454-Aeroelite	Cutaway - Lg	\$88,726	252
2019	El Paso Fountain Valley S.C.P 326-Starcraft	Cutaway - Sm	\$88,726	252
2019	Golden Age Council 2-Econoline	Cutaway - Sm	\$88,726	252
2019	Huerfano/Las Animas Area Council of Governments 7-Allstar	Cutaway - Sm	\$88,726	252
2019	Mountain Village, Town of PT-14-GCII	Cutaway - Sm	\$88,726	252
2019	NECALG 64-Senator	Cutaway - Lg	\$88,726	252
2019	NECALG 65-Senator	Cutaway - Lg	\$88,726	252
2019	NECALG 66-Senator	Cutaway - Lg	\$88,726	252
2019	NECALG 67-Senator	Cutaway - Lg	\$88,726	252
2019	Pueblo 63207-Econoline	Cutaway - Lg	\$88,726	252
2019	RFTA G8-Bus	Cutaway - Sm	\$88,726	252
2019	Senior Resource Development Agency 825-Allstar	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-47-Allstar	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-48-Allstar	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-49-Senator	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-50-Senator	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-51-Senator	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-52-Senator	Cutaway - Sm	\$88,726	252
2019	Via Mobility Services VPT-53-Allstar	Cutaway - Sm	\$88,726	252
2019	Mountain Express 41-AS FE	Bus - Md	\$465,039	275
2019	Pueblo 63240-Opus	Bus - Md	\$465,039	275
2019	Town of Breckenridge 9207-Opus LFB-29	Bus - Md	\$465,039	275
2019	Town of Breckenridge 9209-Opus LFB-29	Bus - Md	\$465,039	275
2019	ECCOG DDI-Caravan	Van/Minivan	\$39,352	279
2019	Montezuma County 32-6-Amerivan	Van/Minivan	\$39,352	279
2019	NECALG 98-Grand Caravan	Van/Minivan	\$39,352	279
2019	NECALG 99-Grand Caravan	Van/Minivan	\$39,352	279
2019	NECALG 100-Grand Caravan	Van/Minivan	\$39,352	279
2019	North Front Range Transportation & Air Quality Planning Council 20534-Grand Caravan	Van/Minivan	\$39,352	279
2019	Senior Resource Development Agency 805-Town & Country	Van/Minivan	\$39,352	279
2019	SUCAP RR 10-250	Van/Minivan	\$39,352	279
2019	RFTA G2-F250	Trucks & Other	\$41,660	287

Program Year	Asset ID Code	Description	Costs	Rank
2019	City of Aspen 260-AN 435L Bus	Bus - Lg	\$482,445	288
2019	City of Aspen 262-AN 435L Bus	Bus - Lg	\$482,445	288
2019	City of Aspen 264-AN 435L Bus	Bus - Lg	\$482,445	288
2019	City of Aspen 261-AN 435L Bus	Bus - Lg	\$482,445	288
2019	City of Aspen 263-AN 435L Bus	Bus - Lg	\$482,445	288
2019	City of Aspen 265-AN 435L Bus	Bus - Lg	\$482,445	288
2019	Mountain Express 39-A3 RE	Bus - Lg	\$482,445	288
2019	Pueblo 63112-Phantom	Bus - Lg	\$482,445	288
2019	RFTA 261-AN 435L BUS	Bus - Lg	\$482,445	288
2019	RFTA 262-AN 435L BUS	Bus - Lg	\$482,445	288
2019	RFTA 263-AN 435L BUS	Bus - Lg	\$482,445	288
2019	Steamboat Springs 61-Phantom	Bus - Lg	\$482,445	288
2019	All Points Transit S1-Fiesta	Automobile (Serv)	\$34,250	300
2019	Huerfano/Las Animas Area Council of Governments 805-Jeep Liberty	Automobile (Serv)	\$34,250	300
2019	Mountain Express 42-Transit-Liner	Bus - Lg	\$482,445	302
2019	Mountain Express 43-Transit-Liner	Bus - Lg	\$482,445	302
2019	RFTA 327-Windstar	Bus - Lg	\$482,445	302
2019	RFTA 328-Universal	Bus - Lg	\$482,445	302
2019	Steamboat Springs 65-Phantom	Bus - Lg	\$482,445	302
2019	Steamboat Springs 64-Phantom	Bus - Lg	\$482,445	302
2019	Steamboat Springs 66-Phantom	Bus - Lg	\$482,445	302
2019	Steamboat Springs 63-Phantom	Bus - Lg	\$482,445	302
2019	Steamboat Springs 62-Phantom	Bus - Lg	\$482,445	302
2019	Summit Stage 546-AN-440	Bus - Lg	\$482,445	302
2019	Summit Stage 543-AN-440	Bus - Lg	\$482,445	302
2019	Summit Stage 545-AN-440	Bus - Lg	\$482,445	302
2019	Summit Stage 547-AN-440	Bus - Lg	\$482,445	302
2019	Summit Stage 548-AN-440	Bus - Lg	\$482,445	302
2019	Summit Stage 551-AN-440	Bus - Lg	\$482,445	302
2019	All Points Transit 100-Turtle Top	Cutaway - Sm	\$88,726	317
2019	City of Lakewood 300-Body on chassis	Cutaway - Lg	\$88,726	317
2019	City of Lakewood 306-Body on chassis	Cutaway - Lg	\$88,726	317
2019	Park County 85-Senator	Cutaway - Sm	\$88,726	317
2019	Park County 86-Senator	Cutaway - Sm	\$88,726	317
2019	RFTA G9-Bus	Cutaway - Sm	\$88,726	317
2019	RFTA T6-SILVERADO	Trucks & Other	\$41,660	323
2019	Summit Stage 555-Phantom	Bus - Md	\$465,039	324
2019	Summit Stage 556-Phantom	Bus - Md	\$465,039	324
2019	Summit Stage 557-Phantom	Bus - Md	\$465,039	324
2019	Summit Stage 558-Phantom	Bus - Md	\$465,039	324
2019	Summit Stage 560-Phantom	Bus - Md	\$465,039	324
2019	Via Mobility Services HOP-15-Transit	Bus - Md	\$465,039	324
2019	Via Mobility Services HOP-17-Transit	Bus - Md	\$465,039	324

Program Year	Asset ID Code	Description	Costs	Rank
2019	Town of Avon #850-Phantom	Bus - Lg	\$482,445	331
2019	Pueblo 63260-Phantom	Bus - Lg	\$482,445	332
2019	RFTA 425-D4500	Bus - Lg	\$482,445	332
2019	RFTA 426-D4500	Bus - Lg	\$482,445	332
2019	RFTA 427-D4500	Bus - Lg	\$482,445	332
2019	RFTA 428-D4500	Bus - Lg	\$482,445	332
2019	RFTA T7-F550	Bus - Lg	\$482,445	332
2019	Steamboat Springs 1002-D4500 Commuter Coach	Bus - Lg	\$482,445	332
2019	Mountain Express 57-Ram 2500	Trucks & Other	\$41,660	339
2019	RFTA F8-RANGER	Trucks & Other	\$41,660	339
2019	RFTA F9-RANGER	Trucks & Other	\$41,660	339
2019	City of Aspen 271-D401 INVERO HYBRID	Bus - Lg	\$482,445	342
2019	Eagle County 866-Phantom	Bus - Lg	\$482,445	342
2019	Eagle County 865-Phantom	Bus - Lg	\$482,445	342
2019	Mountain Express 44-Transit-Liner	Bus - Lg	\$482,445	342
2019	RFTA 271-D401 INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 601-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 602-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 603-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 604-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 605-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 606-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 607-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 608-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 609-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 610-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 611-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 612-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	RFTA 613-D40I INVERO HYBRID	Bus - Lg	\$482,445	342
2019	Steamboat Springs 1003-D4500 Commuter Coach	Bus - Lg	\$482,445	342
2019	Town of Avon #853-Opus	Bus - Lg	\$482,445	342
2019	All Points Transit 26-Allstar	Cutaway - Sm	\$88,726	362
2019	City and County of Broomfield 1630-Allstar	Cutaway - Sm	\$88,726	362
2019	City of Aspen S-15-Allstar	Cutaway - Sm	\$88,726	362
2019	City of Aspen S-16-Allstar	Cutaway - Sm	\$88,726	362
2019	City of Aspen S-17-Allstar	Cutaway - Sm	\$88,726	362
2019	City of Aspen S-18-Allstar	Cutaway - Sm	\$88,726	362
2019	El Paso Fountain Valley S.C.P 321-Pacer II	Cutaway - Sm	\$88,726	362
2019	Huerfano/Las Animas Area Council of Governments 804-Allstar	Cutaway - Sm	\$88,726	362
2019	Huerfano/Las Animas Area Council of Governments 901-Allstar	Cutaway - Sm	\$88,726	362
2019	NECALG 87-Allstar	Cutaway - Sm	\$88,726	362
2019	NECALG 88-Allstar	Cutaway - Sm	\$88,726	362

Program Year	Asset ID Code	Description	Costs	Rank
2019	Neighbor to Neighbor Volunteers Mtn. Goat-Odyssey	Cutaway - Sm	\$88,726	362
2019	RFTA S15-STARCRAFT	Cutaway - Sm	\$88,726	362
2019	RFTA S16-STARCRAFT	Cutaway - Sm	\$88,726	362
2019	RFTA S17-STARCRAFT	Cutaway - Sm	\$88,726	362
2019	RFTA S18-STARCRAFT	Cutaway - Sm	\$88,726	362
2019	RFTA G11-Allstar	Cutaway - Sm	\$88,726	362
2019	RFTA G12-PACER	Cutaway - Sm	\$88,726	362
2019	Senior Resource Development Agency 826-Allstar	Cutaway - Sm	\$88,726	362
2019	Senior's Resource Center 93-Pacer	Cutaway - Sm	\$88,726	362
2019	Senior's Resource Center 91-Allstar	Cutaway - Sm	\$88,726	362
2019	Town of Berthoud BATS # 10-Van Terra	Cutaway - Sm	\$88,726	362
2019	Town of Telluride 129-President RE	Cutaway - Lg	\$88,726	362
2019	Via Mobility Services VPT-55-Pacer II	Cutaway - Sm	\$88,726	362
2019	Via Mobility Services VPT-56-Pacer II	Cutaway - Sm	\$88,726	362
2019	Via Mobility Services VPT-57-Pacer II	Cutaway - Sm	\$88,726	362
2020	Golden Age Council 6-Grand Caravan	Automobile (Rev)	\$33,145	1
2020	Summit Stage 309-MV-1	Automobile (Rev)	\$33,145	1
2020	Via Mobility Services VPT-103-Prius V	Automobile (Rev)	\$33,145	1
2020	Via Mobility Services VPT-104-Prius V	Automobile (Rev)	\$33,145	1
2020	All Points Transit 32-Entervan	Van/Minivan	\$39,352	5
2020	All Points Transit 31-E1500 Van	Van/Minivan	\$39,352	5
2020	Castle Rock Senior Center Inc MV-1-MV-1	Van/Minivan	\$39,352	5
2020	Dolores County 4-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20542-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20544-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20545-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20547-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20548-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20551-Grand Caravan	Van/Minivan	\$39,352	5
2020	North Front Range Transportation & Air Quality Planning Council 20553-Sienna	Van/Minivan	\$39,352	5
2020	Via Mobility Services VPT-60-MV-1	Van/Minivan	\$39,352	5
2020	Via Mobility Services VPT-61-MV-1	Van/Minivan	\$39,352	5
2020	Via Mobility Services VPT-62-MV-1	Van/Minivan	\$39,352	5
2020	Via Mobility Services VPT-63-MV-1	Van/Minivan	\$39,352	5
2020	Via Mobility Services VPT-64-MV-1	Van/Minivan	\$39,352	5
2020	Mountain Express 58-Dakota	Trucks & Other	\$41,660	21
2020	Via Mobility Services HOP-18-Transit	Bus - Md	\$465,039	22
2020	Via Mobility Services HOP-19-Transit	Bus - Md	\$465,039	22

Program Year	Asset ID Code	Description	Costs	Rank
2020	Via Mobility Services HOP-20-Transit	Bus - Md	\$465,039	22
2020	City of Aspen 272-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	City of Aspen 273-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	City of Aspen 274-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	City of Black Hawk Ten-ULTRA LF	Bus - Lg	\$482,445	25
2020	City of Glenwood Springs 398-AN 440 Transliner	Bus - Lg	\$482,445	25
2020	Eagle County 868-Phantom	Bus - Lg	\$482,445	25
2020	Eagle County 867-Phantom	Bus - Lg	\$482,445	25
2020	Pueblo 63106-R80	Bus - Lg	\$482,445	25
2020	Pueblo 63206-R80	Bus - Lg	\$482,445	25
2020	RFTA 272-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 273-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 274-D401 INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 429-D4500	Bus - Lg	\$482,445	25
2020	RFTA 430-D4500	Bus - Lg	\$482,445	25
2020	RFTA 614-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 615-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 616-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 617-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 618-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 619-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	RFTA 620-D40I INVERO HYBRID	Bus - Lg	\$482,445	25
2020	Steamboat Springs 1004-D4500 Commuter Coach	Bus - Lg	\$482,445	25
2020	Mountain Village, Town of 57-37951-OMEGA-III	Aerial Tramway	\$45,000	47
2020	Mountain Village, Town of 52-37952-OM-III	Aerial Tramway	\$45,000	47
2020	All Points Transit 30-Allstar	Cutaway - Sm	\$88,726	49
2020	All Points Transit T-3-Allstar	Cutaway - Sm	\$88,726	49
2020	All Points Transit 29-Allstar	Cutaway - Sm	\$88,726	49
2020	Bent County Of GATS-Allstar	Cutaway - Sm	\$88,726	49
2020	Eagle County 455-Spirit of Mobility	Cutaway - Sm	\$88,726	49
2020	Golden Age Council 4-Econoline	Cutaway - Sm	\$88,726	49
2020	Golden Age Council 5-Allstar	Cutaway - Sm	\$88,726	49
2020	Huerfano/Las Animas Area Council of Governments 1001-Allstar	Cutaway - Sm	\$88,726	49
2020	La Junta City Of 1406-EL DORADO	Cutaway - Lg	\$88,726	49
2020	NECALG 91-Allstar	Cutaway - Sm	\$88,726	49
2020	NECALG 92-Starcraft Allstar	Cutaway - Sm	\$88,726	49
2020	NECALG 93-Starcraft Allstar	Cutaway - Sm	\$88,726	49
2020	NECALG 94-Starcraft Allstar	Cutaway - Sm	\$88,726	49
2020	Senior's Resource Center 5559-Allstar	Cutaway - Sm	\$88,726	49
2021	RFTA C12-Explorer	Automobile (Rev)	\$33,145	1
2021	RFTA X1-Explorer	Automobile (Rev)	\$33,145	1
2021	Senior Resource Development Agency 803-Focus	Automobile (Rev)	\$33,145	1
2021	Teller Senior Coalition Escape-Escape	Automobile (Rev)	\$33,145	1

Program Year	Asset ID Code	Description	Costs	Rank
2021	City of Durango City Services 1	Facility-Equipment	\$326,196	5
2021	Eagle County Vail Transportation Center 1	Facility-Equipment	\$124,777	6
2021	Lake County Summit Stage Operations Center 1	Facility-Equipment	\$1,140,360	6
2021	Littleton Omnibus LITTLETON SERVICE CENTER 1	Facility-Equipment	\$88,400	6
2021	RFTA AMF Old	Facility-Equipment	\$1,443,572	6
2021	RFTA AMF Trash Building	Facility-Equipment	\$106,080	6
2021	Summit Stage Summit Stage Operations Center	Facility-Equipment	\$1,140,360	6
2021	Town of Winter Park Bus Barn	Facility-Equipment	\$287,300	6
2021	Pueblo Transit Center	Facility-Equipment	\$205,000	6
2021	Summit Stage Frisco Transfer Center	Facility-Equipment	\$66,300	6
2021	City of Lakewood Clements Community Center 1	Facility-Equipment	\$31,382	15
2021	RFTA GMF Building	Facility-Equipment	\$3,469,081	15
2021	Town of Snowmass Village Parcel C Bus Storage Facility	Facility-Equipment	\$786,185	15
2021	Summit Stage Silverthorne Station	Facility-Equipment	\$912,288	15
2021	Bent County Of BCT#3-Van 15P	Van/Minivan	\$39,352	19
2021	El Paso Fountain Valley S.C.P 328-MV1	Van/Minivan	\$39,352	19
2021	Neighbor to Neighbor Volunteers Mini Van-Grand Caravan	Van/Minivan	\$39,352	19
2021	North Front Range Transportation & Air Quality Planning Council 20367-Grand Caravan	Van/Minivan	\$39,352	19
2021	North Front Range Transportation & Air Quality Planning Council 20368-Grand Caravan	Van/Minivan	\$39,352	19
2021	North Front Range Transportation & Air Quality Planning Council 20369-Grand Caravan	Van/Minivan	\$39,352	19
2021	North Front Range Transportation & Air Quality Planning Council 20370-Grand Caravan	Van/Minivan	\$39,352	19
2021	North Front Range Transportation & Air Quality Planning Council 20371-Grand Caravan	Van/Minivan	\$39,352	19
2021	RFTA L5-FUSION	Van/Minivan	\$39,352	19
2021	Via Mobility Services VPT-65-MV-1	Van/Minivan	\$39,352	19
2021	Via Mobility Services VPT-66-MV-1	Van/Minivan	\$39,352	19
2021	Via Mobility Services VPT-67-MV-1	Van/Minivan	\$39,352	19
2021	Via Mobility Services VPT-68-MV-1	Van/Minivan	\$39,352	19
2021	City of Durango City Services 1	Facility-Conveyance	\$163,098	32
2021	Eagle County Vail Transportation Center 1	Facility-Conveyance	\$62,388	32
2021	Steamboat Springs Transit Operations Center	Facility-Conveyance	\$547,947	32
2021	Town of Snowmass Village Parcel C Bus Storage Facility	Facility-Conveyance	\$393,093	32

Program Year	Asset ID Code	Description	Costs	Rank
2021	Summit Stage Frisco Transfer Center	Facility-Conveyance	\$33,150	32
2021	Steamboat Springs Stockbridge Transit Center	Facility-Conveyance	\$33,150	32
2021	City of Lakewood Clements Community Center 1	Facility-Conveyance	\$15,691	38
2021	Summit Stage Silverthorne Station	Facility-Conveyance	\$456,144	38
2021	RFTA F10-RANGER	Trucks & Other	\$41,660	40
2021	City of Lakewood 325-C2	Bus - Md	\$465,039	41
2021	City of Lakewood 386-C2	Bus - Md	\$465,039	41
2021	City of Lakewood 337-C2	Bus - Md	\$465,039	41
2021	City of Glenwood Springs 399-AN 440 Transliner	Bus - Lg	\$482,445	44
2021	Eagle County 872-BRT Low Floor	Bus - Lg	\$482,445	44
2021	Eagle County 873-BRT Low Floor	Bus - Lg	\$482,445	44
2021	Eagle County 874-BRT Low Floor	Bus - Lg	\$482,445	44
2021	Eagle County 875-BRT Low Floor	Bus - Lg	\$482,445	44
2021	Eagle County 871-BRT Low Floor	Bus - Lg	\$482,445	44
2021	Gunnison Valley Transportation Authority 83-XCEL 102	Bus - Lg	\$482,445	44
2021	Gunnison Valley Transportation Authority 81-XCEL 102	Bus - Lg	\$482,445	44
2021	Pueblo 63107-Opus	Bus - Lg	\$482,445	44
2021	RFTA 431-D4500	Bus - Lg	\$482,445	44
2021	RFTA 531-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 532-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 533-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 534-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 541-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 542-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 543-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 544-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 545-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 546-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 547-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 548-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 549-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 550-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 551-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 552-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 553-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 554-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 555-DE40LFR	Bus - Lg	\$482,445	44
2021	RFTA 556-DE40LFR	Bus - Lg	\$482,445	44
2021	Town of Avon #854-Phantom	Bus - Lg	\$482,445	44

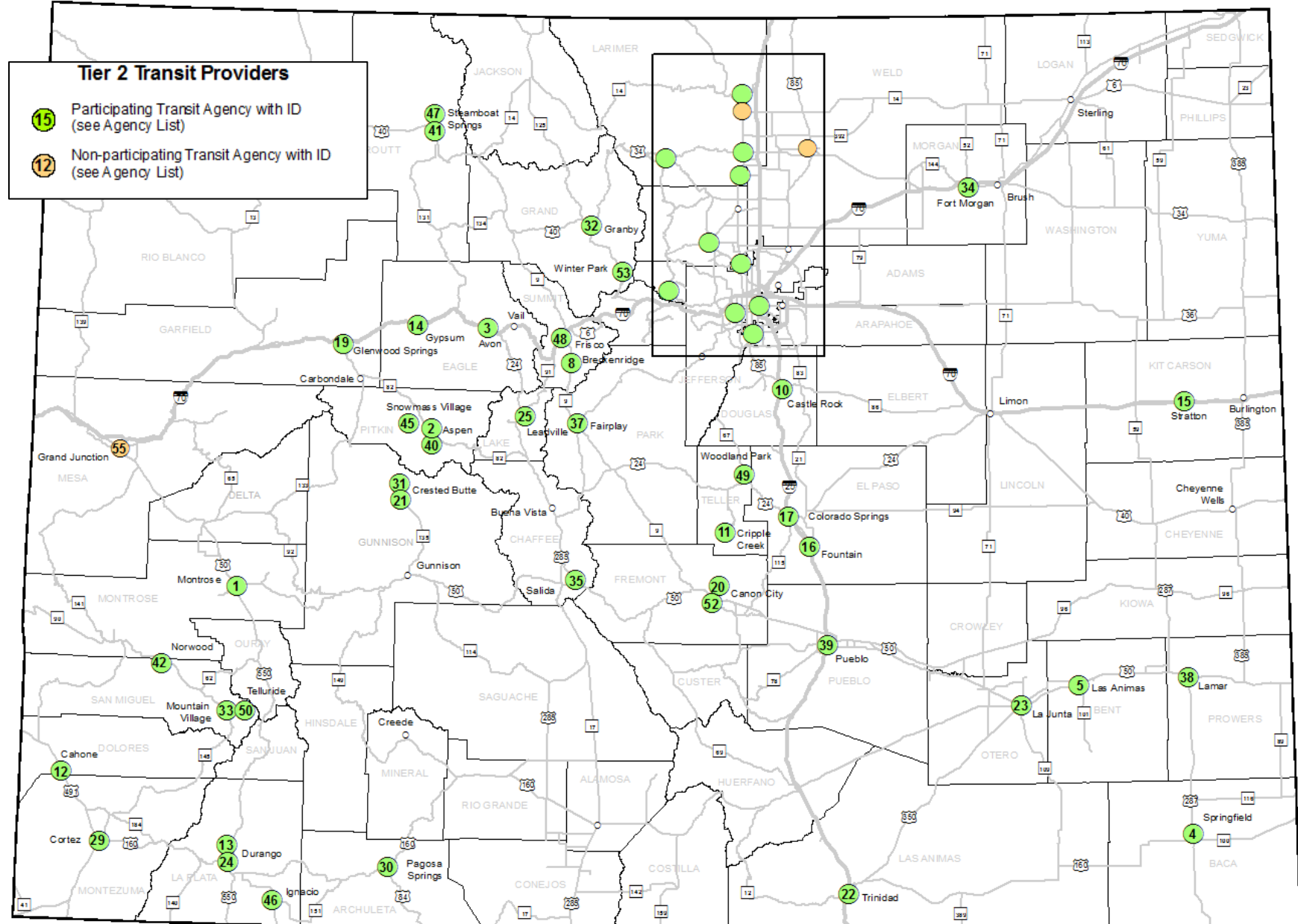
Program Year	Asset ID Code	Description	Costs	Rank
2021	Town of Avon #855-Electric Hybrid	Bus - Lg	\$482,445	44
2021	City of Loveland 8019-E450	Cutaway - Lg	\$88,726	76
2021	City of Loveland 8021-E450	Cutaway - Lg	\$88,726	76
2021	Senior Resource Development Agency 814-Allstar	Cutaway - Sm	\$88,726	76
2021	Town of Snowmass Village 440-Micro Bird G5	Cutaway - Lg	\$88,726	76
2021	Town of Snowmass Village 441-Micro Bird G5	Cutaway - Lg	\$88,726	76
2021	Town of Telluride 133-Aeroelite	Cutaway - Lg	\$88,726	76
2021	Via Mobility Services CLI-954-Defender	Cutaway - Lg	\$88,726	76
2022	Castle Rock Senior Center Inc C-6-Sonata	Automobile (Rev)	\$33,145	1
2022	Montezuma County 32-7-Durango	Automobile (Rev)	\$33,145	1
2022	RFTA C14-Explorer	Automobile (Rev)	\$33,145	1
2022	Montezuma County 32-8-Town & Country	Van/Minivan	\$39,352	4
2022	Mountain Village, Town of ES-21-Express	Van/Minivan	\$39,352	4
2022	Mountain Village, Town of ES-25-Express	Van/Minivan	\$39,352	4
2022	Mountain Village, Town of ES-24-Express	Van/Minivan	\$39,352	4
2022	Mountain Village, Town of ES-22-Express	Van/Minivan	\$39,352	4
2022	Mountain Village, Town of ES-23-Express	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20554-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20555-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20556-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20557-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20558-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20559-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20560-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20561-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20562-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20563-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20564-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20565-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20566-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20567-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20569-Grand Caravan	Van/Minivan	\$39,352	4

Program Year	Asset ID Code	Description	Costs	Rank
2022	North Front Range Transportation & Air Quality Planning Council 20570-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20572-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20573-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20574-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20575-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20576-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20577-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20578-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20579-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20580-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20581-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20582-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20583-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20584-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20585-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20586-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20587-Grand Caravan	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20588-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20589-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20590-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20591-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20592-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20593-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20594-Sienna	Van/Minivan	\$39,352	4

Program Year	Asset ID Code	Description	Costs	Rank
2022	North Front Range Transportation & Air Quality Planning Council 20595-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20596-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20597-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20598-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20599-Sienna	Van/Minivan	\$39,352	4
2022	North Front Range Transportation & Air Quality Planning Council 20600-Sienna	Van/Minivan	\$39,352	4
2022	Summit Stage 513-Caravan	Van/Minivan	\$39,352	4
2022	RFTA F12-RANGER	Trucks & Other	\$41,660	56
2022	RFTA T8-F250	Trucks & Other	\$41,660	56
2022	RFTA T9-F250	Trucks & Other	\$41,660	56
2022	Steamboat Springs 71-Diesel/Electric Low Floor	Bus - Md	\$465,039	59
2022	Eagle County 879-BRT Low Floor	Bus - Lg	\$482,445	60
2022	Eagle County 876-BRT Low Floor	Bus - Lg	\$482,445	60
2022	Eagle County 877-BRT Low Floor	Bus - Lg	\$482,445	60
2022	Eagle County 878-BRT Low Floor	Bus - Lg	\$482,445	60
2022	Gunnison Valley Transportation Authority 84-XCEL 102	Bus - Lg	\$482,445	60
2022	RFTA 277-D40LFR	Bus - Lg	\$482,445	60
2022	RFTA 278-D40LFR	Bus - Lg	\$482,445	60
2022	RFTA 279-D40LFR	Bus - Lg	\$482,445	60
2022	RFTA 535-DE40LFR	Bus - Lg	\$482,445	60
2022	RFTA 536-DE40LFR	Bus - Lg	\$482,445	60
2022	Summit Stage 561-G27D102N4	Bus - Lg	\$482,445	60
2022	Summit Stage 562-G27D102N4	Bus - Lg	\$482,445	60
2022	Summit Stage 563-G27D102N4	Bus - Lg	\$482,445	60
2022	Town of Avon #856-Phantom	Bus - Lg	\$482,445	60
2022	Town of Breckenridge 9215-G30B102N4	Bus - Lg	\$482,445	60
2022	Town of Breckenridge 9214-G30B102N4	Bus - Lg	\$482,445	60
2022	Envida 522-Allstar	Cutaway - Sm	\$88,726	76
2022	Envida 488-Allstar	Cutaway - Sm	\$88,726	76
2022	Envida 386-Allstar	Cutaway - Sm	\$88,726	76
2022	Neighbor to Neighbor Volunteers Polar Bear-Pacer II	Cutaway - Sm	\$88,726	76
2022	Neighbor to Neighbor Volunteers Eagle-MDL Allstar	Cutaway - Sm	\$88,726	76
2022	Senior Resource Development Agency 830-All Star	Cutaway - Sm	\$88,726	76
2022	Summit Stage 512-Cutaway	Cutaway - Lg	\$88,726	76
2022	Town of Snowmass Village 442-Micro Bird G5	Cutaway - Lg	\$88,726	76
2022	Via Mobility Services CLI-956-Defender	Cutaway - Lg	\$88,726	76

Program Year	Asset ID Code	Description	Costs	Rank
2022	Via Mobility Services CLI-957-Defender	Cutaway - Lg	\$88,726	0

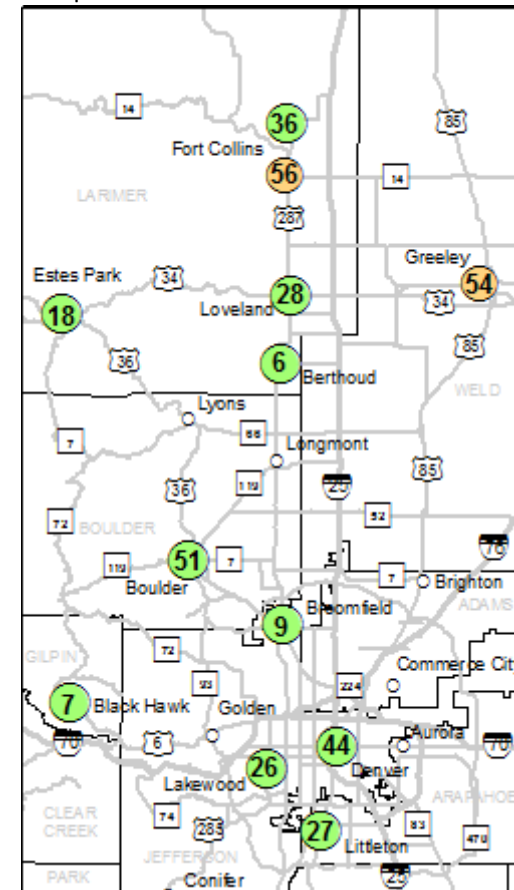
Appendix A. Participating Agencies (office locations)



Participating Group TAM Plan Agencies:

- 1 All Points Transit
- 2 Aspen, City of
- 3 Avon, Town of
- 4 Baca County Seniors Van
- 5 Bent County
- 6 Berthoud Area Transportation Service (BATS)
- 7 Black Hawk, City of
- 8 Breckenridge, Town of
- 9 Broomfield, City and County of
- 10 Castle Rock Senior Center
- 11 Cripple Creek, City of
- 12 Dolores County
- 13 Durango, City of
- 14 Eagle County
- 15 East Central Council of Governments
- 16 El Paso Fountain Valley Senior Citizens Program
- 17 Envida
- 18 Estes Park, Town of
- 19 Glenwood Springs, City of
- 20 Golden Shuttle
- 21 Gunnison Valley Rural Transportation Authority
- 22 Huerfano/Las Animas Area Council of Governments (SCCOG)
- 23 La Junta, City of
- 24 La Plata County Senior Services
- 25 Lake County
- 26 Lakewood, City of
- 27 Littleton Omnibus
- 28 Loveland, City of
- 29 Montezuma County
- 30 Mountain Express Transit
- 31 Mountain Express, The
- 32 Mountain Family Center
- 33 Mountain Village, Town of

Map Inset



- 34 NECALG
- 35 Neighbor to Neighbor Volunteers
- 36 North Front Range Transportation & Air Quality Council (NFRMPO)
- 37 Park County Senior Coalition
- 38 Prowers County
- 39 Pueblo, City of
- 40 Roaring Fork Transportation Authority (RFTA)
- 41 Routt County
- 42 San Miguel County
- 43 Senior Resource Development Agency
- 44 Seniors' Resource Center, Inc. (SRC)
- 45 Snowmass Village, Town of
- 46 Southern Ute Community Action Programs
- 47 Steamboat Springs, City of
- 48 Summit Stage
- 49 Teller Senior Coalition
- 50 Telluride, Town of
- 51 Via Mobility Services
- 52 Wet Mountain Valley Community Service Corp
- 53 Winter Park, Town of

Non-participating Tier II public transit providers:

- 54 Greeley Evans Transit (GET)
- 55 Mesa County

Appendix B

Tables B-1 through B-53 are the Group TAM Plan participating agencies' inventory and condition summaries for vehicles, equipment and facilities for which the agency carries Direct Capital Responsibility.

Table B-1 All Points Transit

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
All Points Transit	Cutaway – Lg	4	100%	0%
	Cutaway – Sm	17	82%	18%
	Van/Minivan	10	60%	40%
	Total Revenue Vehicles	31	77%	23%
	Service Automobile	2	100%	0%
	Total Service Vehicles	2	100%	0%
	Administration Building	2	100%	0%
	Bus Station	1	100%	0%
	Total Facilities	2	100%	0%

Table B-2 Archuleta County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Archuleta County	Cutaway – Lg	1	0%	100%
	Cutaway – Sm	1	100%	0%
	Van/Minivan	2	100%	0%
	Total Revenue Vehicles	4	75%	25%

Table B-3 Aspen, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
City of Aspen	Bus - Lg	14	57%	43%
	Cutaway – Sm	10	70%	30%
	Total Revenue Vehicles	24	63%	38%
	Bus Station	1	100%	0%
	Total Facilities	1	100%	0%

Table B-4 Avon, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Avon, Town of	Bus – Lg	5	80%	20%
	Bus – Med	3	100%	0%
	Cutaway - Lg	2	100%	0%
	Total Revenue Vehicles	10	90%	10%
	Service Automobile	3	33%	67%
	Total Service Vehicles	3	33%	67%
	Bus Parking Facility	1	100%	0%
	Bus Station	23	100%	0%
	Intermodal Terminal	1	100%	0%
	Total Facilities	25	100%	0%

Table B-5 Baca County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Baca County	Cutaway – Sm	1	100%	0%
	Total Revenue Vehicles	1	100%	0%

Table B-6 Bent County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Bent County	Bus - Lg	1	0%	100%
	Cutaway – Lg	1	100%	0%
	Cutaway – Sm	2	100%	0%
	Van/Minivan	1	100%	0%
	Total Revenue Vehicles	5	80%	20%

Table B-7 Berthoud, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Berthoud, Town of	Cutaway - Sm	2	100%	0%
	Van/Minivan	1	0%	100%
	Total Revenue Vehicles	3	90%	10%

Table B-8 Blackhawk, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
City of Blackhawk	Bus - Lg	1	100%	0%
	Bus - Med	3	100%	0%
	Cutaway – Lg	2	100%	0%
	Total Revenue Vehicles	6	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Total Facilities	1	100%	0%
	Maintenance Equipment	2		
	Total Equipment	2		

Table B-9 Breckenridge, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Breckenridge, Town of	Bus – Lg	3	100%	0%
	Bus – Med	11	82%	18%
	Cutaway - Lg	2	100%	0%
	Total Revenue Vehicles	16	88%	12%
	Service Automobile	2	50%	50%
	Trucks & Other Service Vehicles	1	100%	0%
	Total Service Vehicles	3	67%	33%
	Bus Maintenance Facility	1	100%	0%
	Bus Parking Facility	1	100%	0%
	Bus Shelter	20	100%	0%
	Bus Station	1	100%	0%
	Total Facilities	23	100%	0%

Table B-10 Broomfield, City and County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
City and County of Broomfield	Automobile	1	0%	100%
	Bus - Lg	3	100%	0%
	Cutaway – Lg	1	100%	0%
	Cutaway – Sm	2	100%	0%
	Van/Minivan	1	100%	0%
	Total Revenue Vehicles	8	88%	12%

Table B-11 Castle Rock Senior Center

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Castle Rock Senior Center	Automobile	4	100%	0%
	Bus - Med	2	100%	0%
	Cutaway – Sm	1	100%	0%
	Van/Minivan	3	67%	33%
	Total Revenue Vehicles	10	90%	10%

Table B-12 Cripple Creek, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Cripple Creek, City of	Bus - Med	1	100%	0%
	Cutaway – Lg	2	100%	0%
	Cutaway – Sm	3	100%	0%
	Total Revenue Vehicles	6	100%	0%
	Trucks & Other Service Vehicles	1	100%	0%
	Total Service Vehicles	1	100%	0%
	Other Support Facility	1	100%	0%
	Bus Shelter	2	100%	0%
	Total Facilities	3	100%	0%
	Maintenance Equipment	2		
	Total Equipment	2		

Table B-13 Dolores County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Dolores County	Automobile	1	0%	100%
	Cutaway – Sm	3	67%	33%
	Van/Minivan	5	40%	60%
	Total Revenue Vehicles	9	44%	56%

Table B-14 Durango, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Durango, City of	Bus - Med	3	100%	0%
	Cutaway – Lg	7	100%	0%
	Cutaway – Sm	2	100%	0%
	Total Revenue Vehicles	12	100%	0%
	Service Automobile	1	100%	0%
	Trucks & Other Service Vehicles	2	100%	0%
	Total Service Vehicles	3	100%	0%
	Administration Building	1	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Bus Shelter	1	100%	0%
	Intermodal Terminal	1	100%	0%
	Other Transit Facility	1	100%	0%
	Total Facilities	5	100%	0%

Table B-15 Eagle County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Eagle County	Bus – Lg	30	100%	0%
	Cutaway – Lg	5	60%	40%
	Cutaway - Sm	3	100%	0%
	Total Revenue Vehicles	38	95%	5%
	Administration Building	3	100%	0%
	Bus Parking Facility	3	100%	0%
	Bus Shelter	37	97%	3%
	Other Transit Facility	47	100%	0%
	Parking Garage	1	100%	0%
	Total Facilities	91	99%	1%

Table B-16 ECCOG

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
ECCOG	Cutaway – Sm	13	46%	54%
	Van/Minivan	4	50%	50%
	Total Revenue Vehicles	17	47%	53%

Table B-17 El Paso Fountain Valley S.C.P

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
El Paso Fountain Valley S.C.P.	Cutaway – Sm	7	43%	57%
	Van/Minivan	5	40%	60%
	Total Revenue Vehicles	12	42%	58%
	Administration Building	2	50%	50%
	Total Facilities	2	50%	50%

Table B-18 Envida

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Envida	Cutaway - Sm	7	100%	0%
	Van/Minivan	5	100%	0%
	Total Revenue Vehicles	12	100%	0%

Table B-19 Estes Park, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Estes Park, Town of	Bus – Med	1	0%	100%
	Cutaway - Lg	2	100%	0%
	Cutaway - Sm	2	100%	0%
	Total Revenue Vehicles	5	80%	20%
	Bus Station	1	100%	0%
	Total Facilities	1	100%	0%

Table B-20 Glenwood Springs, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Glenwood Springs, City of	Bus - Lg	3	100%	0%
	Total Revenue Vehicles	3	100%	0%
	Communication – Signs/Signals	1		
	Total Equipment	1		

Table B-21 Golden Age Council

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Golden Age Council	Automobile	4	75%	25%
	Cutaway - Sm	4	25%	75%
	Total Revenue Vehicles	8	50%	50%

Table B-22 Gunnison Valley Transportation Authority

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Gunnison Valley Trans Authority	Bus - Lg	6	100%	0%
	Total Revenue Vehicles	6	100%	0%
	Bus Shelter	3	100%	0%
	Total Facilities	3	100%	0%

Table B-23 Huerfano/Las Animas Council of Governments (SCCOG)

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Huerfano /Las Animas Area COG	Cutaway – Sm	4	50%	50%
	Van/Minivan	4	50%	50%
	Total Revenue Vehicles	8	50%	50%
	Service Automobile	1	0%	100%
	Total Service Vehicles	1	0%	100%

Table B-24 La Junta

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
La Junta	Cutaway – Lg	2	50%	50%
	Cutaway – Sm	2	50%	50%
	Total Revenue Vehicles	4	50%	50%

Table B-25 La Plata County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
La Plata County	Cutaway – Sm	2	100%	0%
	Van/Minivan	2	100%	0%
	Total Revenue Vehicles	4	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Total Facilities	1	100%	0%

Table B-26 Lake County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Lake County	Bus - Lg	8	100%	0%
	Total Revenue Vehicles	8	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Bus Parking Facility	1	0%	100%
	Total Facilities	2	50%	50%

Table B-27 Lakewood, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Lakewood, City of	Bus - Med	3	100%	0%
	Cutaway – Lg	2	100%	0%
	Cutaway – Sm	2	100%	0%
	Van/Minivan	3	100%	0%
	Total Revenue Vehicles	10	100%	0%
	Other Support Facility	2	100%	0%
	Total Facilities	2	100%	0%

Table B-28 Littleton Omnibus

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Littleton Omnibus	Cutaway - Sm	2	100%	0%
	Total Revenue Vehicles	2	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Total Facilities	1	100%	0%

Table B-29 Loveland, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Loveland, City of	Bus – Lg	6	100%	0%
	Cutaway – Lg	6	67%	33%
	Cutaway – Sm	3	0%	100%
	Van/Minivan	2	0%	100%
	Total Revenue Vehicles	17	59%	41%

Table B-30 Montezuma County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Montezuma County	Automobile	2	0%	100%
	Cutaway – Sm	3	67%	33%
	Van/Minivan	4	50%	50%
	Total Revenue Vehicles	9	44%	56%
	Administration Building	2	50%	50%
	Bus Maintenance Facility	1	100%	0%
	Other Support Facility	1	100%	0%
	Total Facilities	4	75%	25%

Table B-31 Mountain Express, The

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Mountain Express, The	Bus –Lg	12	75%	25%
	Bus – Med	6	67%	33%
	Cutaway – Sm	2	50%	50%
	Total Revenue Vehicles	20	70%	30%
	Trucks & Other Service Vehicles	4	100%	0%
	Total Service Vehicles	4	100%	0%
	Administration Building	1	100%	0%
	Total Facilities	1	100%	0%

Table B-32 Mountain Family Center

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Mountain Family Center	Automobile	2	50%	50%
	Van/Minivan	4	50%	50%
	Total Revenue Vehicles	6	50%	50%

Table B-33 Mountain Village, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Mountain Village, Town of	Aerial Tramway	71	20%	80%
	Automobile	4	0%	100%
	Cutaway – Sm	4	75%	25%
	Van/Minivan	14	50%	50%
	Total Revenue Vehicles	93	26%	74%
	Service Automobile	2	0%	100%
	Trucks & Other Service Vehicles	2	100%	0%
	Total Service Vehicles	4	50%	50%
	Bus Maintenance Facility	1	100%	0%
	Bus Shelter	6	100%	0%
	Intermodal Terminal	6	100%	0%
	Parking Garage	2	100%	0%
	Parking Lot	3	100%	0%
	Total Facilities	17	100%	0%

Table B-34 Northeast Colorado Agency of Local Governments (NECALG)

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
NECALG	Bus – Lg	1	0%	100%
	Cutaway –Lg	7	0%	100%
	Cutaway – Sm	20	65%	35%
	Van/Minivan	44	48%	52%
	Total Revenue Vehicles	72	47%	53%
	Other Support Facility	2	100%	0%
	Total Facilities	2	100%	0%

Table B-35 Neighbor to Neighbor

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Neighbor to Neighbor	Cutaway – Sm	7	100%	0%
	Van/Minivan	2	100%	0%
Neighbor Volunteers	Total Revenue Vehicles	9	100%	0%
	Bus Station	1	100%	0%
	Total Facilities	1	100%	0%

Table B-36 North Front Range Transportation & Air Quality Planning Council

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
NFRTAQPC	Van/Minivan	79	99%	1%
	Total Revenue Vehicles	79	99%	1%

Table B-37 Park County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Park County	Automobile	2	50%	50%
	Cutaway - Sm	3	0%	100%
	Total Revenue Vehicles	5	20%	80%

Table B-38 Prowers County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Prowers County	Automobile	1	100%	0%
	Cutaway - Sm	6	67%	33%
	Total Revenue Vehicles	7	71%	29%
	Bus Maintenance Facility	1	100%	0%
	Total Facilities	1	100%	0%

Table B-39 Pueblo, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Pueblo, City of	Bus – Lg	15	87%	13%
	Bus – Med	1	0%	100%
	Cutaway - Lg	13	85%	15%
	Total Revenue Vehicles	29	83%	17%
	Service Automobile	3	67%	33%
	Trucks & Other Service Vehicles	1	100%	0%
	Total Service Vehicles	4	75%	25%
	Bus Station	1	100%	0%
	Other Transit Facility	1	0%	100%
	Total Facilities	2	50%	50%
	Communication – Signs/Signals	2		
	IT/Office Equipment	1		
	Total Equipment	3		

Table B-40 Roaring Fork Transportation Authority (RFTA)

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
RFTA	Automobile	7	57%	43%
	Bus – Lg	113	87%	13%
	Cutaway – Lg	2	100%	0%
	Cutaway - Sm	25	60%	40%
	Van/Minivan	8	38%	63%
	Total Revenue Vehicles	155	79%	21%
	Service Automobile	5	20%	80%
	Trucks & Other Service Vehicles	22	86%	14%
	Total Service Vehicles	27	74%	26%
	Administration Office/Sales Office	2	50%	50%
	Bus Parking Facility	1	100%	0%
	Combined Administrative and Maintenance	3	67%	33%
	Maintenance Facility	1	100%	0%
	Other Admin and Maintenance	9	67%	33%
	Asset Fueling Facility	1	100%	0%
	Total Facilities	17	71%	29%

Table B-41 Routt County Government

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Routt County	Cutaway – Lg	1	100%	0%
	Cutaway – Sm	2	50%	50%
	Total Revenue Vehicles	3	67%	33%
	Bus Maintenance Facility	1	100%	0%
	Bus Parking Facility	2	100%	0%
	Total Facilities	3	100%	0%

Table B-42 San Miguel County

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
San Miguel County	Van/Minivan	2	100%	0%
	Total Revenue Vehicles	2	100%	0%
	Other Support Facility	1	100%	0%
	Total Facilities	1	100%	0%

Table B-43 Senior Resource Development Agency (SRDA)

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
SRDA	Automobile	4	25%	75%
	Cutaway - Sm	17	76%	24%
	Van/Minivan	3	67%	33%
	Total Revenue Vehicles	24	67%	33%
	IT/Office Equipment	1		
	Total Equipment	1		

Table B-44 Senior's Resource Center

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Senior's Resource Center	Automobile	13	100%	0%
	Cutaway – Sm	21	100%	0%
	Van/Minivan	12	100%	0%
	Total Revenue Vehicles	46	100%	0%
	Administration Building	2	100%	0%
	Total Facilities	2	100%	0%

Table B-45 Snowmass Village, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Snowmass Village, Town of	Bus – Med	19	100%	0%
	Cutaway - Lg	10	100%	0%
	Total Revenue Vehicles	29	100%	0%
	Service Automobile	1	100%	0%
	Trucks & Other Service Vehicles	1	100%	0%
	Total Service Vehicles	2	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Bus Parking Facility	1	100%	0%
	Other Support Facility	1	100%	0%
	Bus Shelter	12	100%	0%
	Bus Station	2	50%	50%
	Intermodal Terminal	1	100%	0%
	Other Transit Facility	8	88%	12%
	Park and Ride Lot	1	100%	0%
	Total Facilities	27	93%	7%
	Facility Equipment	1		
	Total Equipment	1		

Table B-46 Steamboat Springs, City of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Steamboat Springs, City of	Bus – Lg	16	88%	12%
	Bus – Med	4	75%	25%
	Cutaway - Sm	1	0%	100%
	Total Revenue Vehicles	21	81%	19%
	Other Support Facility	1	100%	0%
	Intermodal Terminal	2	100%	0%
	Total Facilities	3	100%	0%

Table B-47 Southern Colorado Community Action Agency (SoCoCAA)

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
SoCoCAA	Bus – Lg	1	0%	100%
	Cutaway – Sm	5	80%	20%
	Van/Minivan	4	50%	50%
	Total Revenue Vehicles	10	60%	40%
	Trucks & Other Service Vehicles	1	100%	0%
	Total Service Vehicles	1	100%	0%

Table B-48 Summit Stage

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Summit Stage	Automobile	2	100%	0%
	Bus – Lg	25	76%	24%
	Bus – Med	5	100%	0%
	Cutaway - Lg	1	100%	0%
	Van/Minivan	1	100%	0%
	Total Revenue Vehicles	34	82%	18%
	Service Automobile	3	100%	0%
	Total Service Vehicles	3	100%	0%
	Bus Maintenance Facility	1	100%	0%
	Bus Parking Facility	2	50%	50%
	Bus Station	2	100%	0%
	Intermodal Terminal	1	100%	0%
	Total Facilities	6	83%	17%
	IT/Office Equipment	2		
	Total Equipment	2		

Table B-49 Teller Senior Coalition

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Teller Senior Coalition	Automobile	4	50%	50%
	Cutaway – Sm	1	100%	0%
	Van/Minivan	2	50%	50%
	Total Revenue Vehicles	7	57%	43%

Table B-50 Telluride, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Telluride, Town of	Bus – Lg	2	100%	0%
	Bus – Med	1	100%	0%
	Cutaway - Lg	5	100%	0%
	Cutaway - Sm	1	100%	0%
	Van/Minivan	2	50%	50%
	Total Revenue Vehicles	11	91%	9%
	Other Support Facility	1	100%	0%
	Total Facilities	1	100%	0%

Table B-51 Via Mobility Services

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Via Mobility Services	Automobile	9	67%	33%
	Bus – Med	12	100%	0%
	Cutaway - Lg	8	88%	13%
	Cutaway - Sm	25	68%	32%
	Van/Minivan	21	95%	5%
	Total Revenue Vehicles	75	83%	17%
	Trucks & Other Service Vehicles	2	0%	100%
	Total Service Vehicles	2	0%	100%
	Administration Building	1	100%	0%
	Total Facilities	1	100%	0%
	Communication – Signs/Signals	1		
	IT/Office Equipment	9		
	Maintenance Equipment	2		
	Total Equipment	12		

Table B-52 Wet Mountain Valley Community Services

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Wet Mountain Valley	Automobile	4	75%	25%
	Total Revenue Vehicles	4	75%	25%

Table B-53 Winter Park, Town of

Agency	Asset Class	Inventory	% in SGR	% Not in SGR
Winter Park, Town of	Bus – Lg	21	10%	90%
	Bus – Med	5	0%	100%
	Cutaway - Lg	2	100%	0%
	Cutaway - Sm	1	0%	100%
	Total Revenue Vehicles	29	14%	86%
	Bus Maintenance Facility	1	0%	100%
	Total Facilities	1	0%	100%



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Approval of Municipal Judge's Contract

Action Requested: Approve Judge Mauer's Contract

Department: Municipal Court

Presented By: Steve Boyd, COO

Background Info:

Issues:

Staff Recommendation:

AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

This AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES is made this _____ day of _____, 2018 between the CITY OF GLENWOOD SPRINGS, a municipality under the laws of the State of Colorado ("City") and AMANDA N. MAURER, individually ("Independent Contractor").

RECITALS:

WHEREAS, the City and Independent Contractor executed an agreement, effective January 1, 2017, for Municipal Court Judge services for the City ("Initial Agreement"), the executed copy of the Initial Agreement being on file with the City Clerk; and

WHEREAS, the City is interested in maintaining the continuity of Independent Contractor's services.

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS, CONDITIONS AND AGREEMENTS HEREIN CONTAINED, THE PARTIES REAFFIRM ALL TERMS INCLUDED IN THE INITIAL AGREEMENT WITH THE FOLLOWING AMENDMENTS:

1. Section 2 of the Initial Agreement is hereby amended to read as follows:
 1. Consideration/Compensation. The City agrees to pay Independent Contractor Four Thousand One Hundred Twenty Dollars (\$4,120.00) per month.
 2. Section 3 of the Initial Agreement is hereby amended to read as follows:
 3. Term. This Agreement shall be effective from January 1, 2019 through December 31, 2021. This Agreement may be renewed for subsequent two-year periods upon mutual consent of both parties and execution of an amendment to this Agreement.

3. Except as provided for herein, all terms and conditions of the Initial Agreement remain unchanged.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands this _____ day of _____, 2019.

CITY OF GLENWOOD SPRINGS

ATTEST:

By: _____
Michael Gamba, Mayor

Catherine Mythen Fletcher, City Clerk

Amanda N. Maurer

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

The foregoing Amendment to Agreement for Professional Services was acknowledged before me this _____ day of January, 2019 by Amanda N. Maurer.

Witness my hand and official seal.

My commission expires: _____

Notary Public



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Resolution 2019-1, A Resolution of the City Council of the City of Glenwood Springs, Colorado, Designating a Public Place for Posting Meeting Notices during Calendar Year 2019

Action Requested: Approve Resolution 2019-1, Designating A Public Place for Posting Meeting Notices During Calendar Year 2019

Department: City Clerk

Presented By: Catherine Fletcher, City Clerk

Background Info: The Colorado Open Meetings Law requires that all meetings at which the adoption of any proposed City policy or other formal action be held only after full and timely notice to the public. This designation must occur each calendar year.

Issues:

Staff Recommendation:

RESOLUTION 2019 – 1

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY
OF GLENWOOD SPRINGS, COLORADO, DESIGNATING
A PUBLIC PLACE FOR POSTING MEETING NOTICES
DURING CALENDAR YEAR 2019.**

WHEREAS, the Colorado Open Meetings Law requires that all meetings at which the adoption of any proposed City policy or other formal action be held only after full and timely notice to the public; and

WHEREAS, Section 24-6-402(2)(c) C.R.S., as amended, requires City Council to designate a public place for posting notices of any such meetings; and

WHEREAS, this designation must occur each calendar year; and

WHEREAS, the bulletin board entitled “Official Public Notices” located in the lobby of City Hall has previously been and is hereby again designated as the place for such postings.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. Pursuant to Section 24-6-402(2)(c) of the Colorado Revised Statutes, as amended, and unless otherwise designated, the bulletin board entitled “Official Public Notices” and located in the lobby of the Glenwood Springs City Hall, located at 101 W. 8th Street, Glenwood Springs, Colorado 81601, is hereby designated as the appropriate place for posting public notices of all regular and special meetings of the City Council and its designated boards and commissions for the 2019 calendar year.

Section 2. All such notices, except those of emergency meetings, shall be posted at this designated place at least twenty-four (24) hours prior to the holding of the respective meeting.

INTRODUCED, READ, AND PASSED THIS 3TH DAY OF JANUARY 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Michael Gamba, Mayor

Catherine Mythen-Fletcher, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item:	Authorization for Procurement of Landscaping, Irrigation and Lighting Design for Two Rivers Park Stabilization Project
Action Requested:	Approval of Landscaping, Irrigation, and Lighting Proposal for Two Rivers Park Stabilization Project
Department:	Engineering
Presented By:	Terri Partch, City Engineer
Background Info:	Two Rivers Park is currently out to bid. City staff is hoping to be able to construct the project in the required fish window beginning in mid-February and continuing until the end of May. Staff is developing supporting engineering including water and electric design for the park. Engineers are requesting information about the irrigation and lighting fixtures to be able to complete their work. We would like to work with Doug Pratte at Land Studio to develop a design for the park. Doug is currently working on the Airport Study and the North Landing Area Conceptual Design for the City. Doug worked with Gary Lacey in the Two Rivers Park design charrettes.
Issues:	The bid process is in progress. We need to be able to supply good information to the engineers to complete their design.
Staff Recommendation:	Allow staff to negotiate with Doug Pratte to develop a landscaping, irrigation and lighting design, not to exceed \$45,000.



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Resolution 2019-3 A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing the Purchase and Installation of Boulders to be Awarded by Sole Source Procurement

Action Requested: Approval of the sole source material and material installation for large boulders.

Department: Engineering

Presented By: Terri Partch, City Engineer

Background Info: The Downtown Development Authority, in conjunction with Boundaries Unlimited and Shannon Murphy, Landscape Architecture have been working on landscaping plans for the 6th and Laurel Roundabout. Plans for construction are still being developed for bid mid-February.

The intent of this request is to allow for the permanent installation of large boulders in the center roundabout, the are north of the west bound off ramp and the roundabout island approach areas.

The sole source material installation is requested for the following reasons:

- The DDA and Shannon Murphy have negotiated a very reduced price for the large boulders from Five Star Quarries

The pricing for the boulders (approximately 50 pieces) and installation is as follows:

- \$18,200 - Boulder material
- \$18,575 - Boulder placement and traffic control

The total price for materials and installation is \$36,775.00.

Issues: The Council has yet to decide to fully fund this project in 2019.

There is a risk in not ordering the material since the price would likely increase going forward.

This is also a risk in that CDOT may not allow us to place the all of the all of the boulders in the original design.

Staff Recommendation: Decide to authorize the sole source material and material installation purchase for \$36,775.



**City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019**

Agenda Item:	Sole Source Material Purchase for the 6 th and Laurel Intersection
Action Requested:	Approval of the sole source material and material installation for large boulders.
Presented By:	Terri Partch, City Engineer
Background Info:	The Downtown Development Authority, in conjunction with Boundaries Unlimited and Shannon Murphy, Landscape Architecture have been working on landscaping plans for the 6th and Laurel Roundabout. Plans for construction are still being developed for bid mid-February. The intent of this request is to allow for the permanent installation of large boulders in the center roundabout, the area north of the west bound off ramp and the roundabout island approach areas. The sole source material installation is requested for the following reasons: • The DDA and Shannon Murphy have negotiated a very reduced price for the large Boulders from Five Star Quarries The pricing for the boulders (approximately 50 pieces) and installation is as follows: • \$18,200 – Boulder material • \$18,575 – Boulder placement and traffic control The total price for materials and installation is \$36,775.00.
Issues:	• The Council has yet to decide to fully fund this project in 2019. • There is a risk in not ordering the material since the price would likely increase going forward. • There is also a risk in that CDOT may not allow us to place the all of the boulders in the original design.
Action Alternatives:	1. Decide to authorize the sole source material and material installation purchase for \$36,775

	2. Decide to wait to purchase the boulders until the entire project is bid and fully funded, hopefully in March.
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RESOLUTION 2019 - 3

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AUTHORIZING THE PURCHASE AND INSTALLATION OF BOULDERS TO BE AWARDED BY SOLE SOURCE PROCUREMENT.

WHEREAS, the Glenwood Springs Charter authorizes the City Council of the City of Glenwood Springs to enter into contracts for the sole source procurement of goods and services; and

WHEREAS, the Downtown Development Authority (DDA) has been working with Boundaries Unlimited and Shannon Murphy, Landscape Architecture, to develop landscape plans for the 6th and Laurel Roundabout; and

WHEREAS, the DDA and Ms. Murphy have negotiated a very reduced price for the purchase and installation of large boulders from Five Star Quarries; and

WHEREAS, City Council finds that installing the boulders in the center roundabout located north of the west bound off ramp and roundabout island approach areas would enhance and beautify the area; and

WHEREAS, City Council finds that the cost of the boulders is likely to increase significantly in the future; and

WHEREAS, City Council finds that a good faith review of available sources has been sufficiently completed and that the boulders are of such a unique character and are offered at such a discounted price that competitive bidding is not appropriate for the purchase and installation of the boulders; and

WHEREAS, the City Council finds and declares that the foregoing is sufficient justification to authorize the purchase and installation of the boulders by sole source procurement.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, RESOLVES THAT:

Section 1. The foregoing recitals are hereby incorporated as if set forth in full.

Section 2. The City Manager or other appropriate City Official is authorized to contract with Five Star Quarries for the purchase of the boulder material in an amount not to exceed \$18,200 and for the permanent placement of the boulders and associated traffic control services in an amount not to exceed \$18,575.

INTRODUCED, READ AND PASSED THIS 3RD DAY OF JANUARY 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

Michael Gamba, Mayor

ATTEST:

Catherine Mythen Fletcher, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Resolution 2019-4 A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing Sole Source Procurement for the Installation of Lighting Under the Grand Avenue Bridge

Action Requested: Approve Resolution 2019-4 for the sole source electrical proposal for the under bridge lighting

Department: Engineering

Presented By: Terri Partch, City Engineer
Jennifer Ooton, Assistant City Manager

Background Info: The City and the Downtown Development Authority have been working together to finalize construction in the plaza area under the Grand Avenue Bridge. That work originally began on May 21, 2018 with granite delivery and installation. Construction in that area was suspended during the busy seasons of summer and fall. Recently, Nunez Masonry completed two areas of granite installation near the bridge drip line that will accommodate landscaping to be planted in the spring.

Still left to complete is lighting under the bridge, including accent lighting and crisscrossed string lighting. An allowance for lighting of \$100,000 was established by City Council in March 2018.

The City of Glenwood Springs has a standing contract for electrical work under \$25,000 with R&A Enterprises, which was awarded through a formal bid solicitation. R&A is familiar with the downtown electrical system and has been working on other electrical needs in the immediate area. Staff believes that it is in the best advantage to the city to contract with its standing contractor through a sole source procurement so the work is completed in advance of the 7th Street Beautification project expected to begin in March. The Tegan fixtures are specified in the lighting design package, which is available at:
<http://cogs.us/DocumentCenter/View/3981/Underbridge-Lighting-Design-Package>

The total cost of the work is \$37,415 and includes \$7,206 in stone work to be completed by Nunez Masonry.

Issues: The Council could send out a formal bid for this lighting and electrical work, which would delay the project. Receiving the crisscross lighting fixtures could take up to 6 weeks after placing the order.

This lighting, electrical and associated masonry work could be completed during the other 7th Street Beautification construction, however, the majority of the under bridge area would need to be closed while the street is also closed.

Staff Recommendation: Approve Resolution 2019-4.

RESOLUTION 2019 - 4

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AUTHORIZING SOLE SOURCE PROCUREMENT FOR THE INSTALLATION OF LIGHTING UNDER THE GRAND AVENUE BRIDGE.

WHEREAS, the Glenwood Springs Charter authorizes the City Council of the City of Glenwood Springs to enter into contracts for the sole source procurement of goods and services; and

WHEREAS, the City of Glenwood Springs and the Downtown Development Authority have been working together to finalize construction in the plaza area under the new Grand Avenue Bridge; and

WHEREAS, in March 2018 City Council established a \$100,000 allowance for lighting under the Grand Avenue Bridge, including the installation of accent lighting and crisscrossed street lighting; and

WHEREAS, the installation of the lighting is time sensitive because it has to be completed in advance of the 7th Street Beautification projected scheduled to begin in March 2019; and

WHEREAS, R & A Enterprises provides electrical services to the City for work less than \$25,000 pursuant to a contract that was awarded through a formal bid solicitation. As a result, R & A Enterprises is familiar with the downtown electrical system and has been working on other electrical needs in the immediate area; and

WHEREAS, following a good faith review of available electrical contractors qualified and capable of installing lighting under the Grand Avenue Bridge prior to March 2019, City staff has determined that R & A Enterprises is the one viable source of electrical services capable of completing the project in a timely manner; and

WHEREAS, the City Council finds and declares that the foregoing is sufficient justification to authorize the sole source procurement of electrical services to install lighting under the Grand Avenue Bridge.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, RESOLVES THAT:

Section 1. The foregoing recitals are hereby incorporated as if set forth in full.

Section 2. The City Manager recommends that a contract for the installation of lighting under the Grand Avenue Bridge be awarded to R & A Enterprises in an amount not to exceed \$37,415.

INTRODUCED, READ AND PASSED THIS 3RD DAY OF JANUARY 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

Michael Gamba, Mayor

ATTEST:

Catherine Mythen Fletcher, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Resolution 2019-5, A Resolution of the City Council of the City of Glenwood Springs, Colorado, Authorizing the Mayor or Mayor Pro Tem to Execute the Bill of Sale Related to the Grand Avenue Pedestrian Bridge

Action Requested: Approve Resolution 2019-5

Department: Attorney

Presented By:

Background Info:

Issues:

Staff Recommendation:

RESOLUTION 2019 - 5

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AUTHORIZING THE MAYOR OR MAYOR PRO TEM TO EXECUTE THE BILL OF SALE RELATED TO THE GRAND AVENUE PEDESTRIAN BRIDGE.

WHEREAS, the City of Glenwood Springs has determined it is in the best interests of the City to receive ownership of the Grand Avenue Pedestrian Bridge; and

WHEREAS, pursuant to the Joint Use Agreement dated December 23, 2015, by and between City of Glenwood Springs, and the Colorado Department of Transportation (“CDOT”) shall transfer to the City the new Grand Avenue Pedestrian Bridge; and

WHEREAS, pursuant to Section 3.3 of the City Charter, the Mayor or Mayor Pro Tem has the authority to execute legal instruments on behalf of the City.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. The above recitals are hereby incorporated as findings by the City Council of the City of Glenwood Springs.

Section 2. The Mayor or Mayor Pro Tem is hereby authorized to execute any and all necessary documents for the acquisition of the Grand Avenue Pedestrian Bridge.

INTRODUCED, READ, AND PASSED THIS 3RD DAY OF JANUARY 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

Michael Gamba, Mayor

ATTEST:

Catherine Mythen Fletcher, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Glenwood Springs Summer of Music Update

Action Requested:

Department: Parks & Recreation

Presented By: Annie Olson-President of GWS Summer of Music
Brian Smith, Recreation Director

Background Info: Summer of Music will continue to provide the same exciting concerts for our community.

The corporation has been formed as a non-profit corporation in Colorado and our 501c3 non profit has been approved.

Our Officers and Directors are the following:

Annie Olson-President
Dave Reynolds-Vice President/Treasurer
Chris Banks-Music Director
Brie Carmer-Director
Mary Gould-Director
Chris Geiger-Director
Jake Green-Director

Dave Reynolds, our Vice President and treasurer will handle our checks and balances on our deposits.
Dave Reynolds, will do our bookkeeping and taxes.

Our request and plans for the City of Glenwood funding of \$20,000.00 are as follows:

1. Music Director
2. Performers fees
3. Hotel and meals for performers
4. Summer of Music Manager
5. Administrative Assistant
6. Sound Engineer
7. Insurance
8. Banners and Signage
9. Security
10. Waste
11. Portable Potties
12. Clean up Crew
13. Advertising/Radio/ Newspaper
14. Business Supplies
15. Printing
16. Postage

Our sole mission in life is to produce the summer of music concert series. No other activities beyond fund raising are contemplated. No money will be diverted to other programs. There are none.

Thank you for your time and consideration.

Issues:

None

Staff Recommendation:

7:32 AM

12/12/18

Cash Basis

Glenwood Springs Summer of Music, Inc**Profit & Loss**

January 1 through December 12, 2018

	Jan 1 - Dec 12, 18
Ordinary Income/Expense	
Income	
Direct Public Support	
Government Grants	30,000.00
Individ, Business Contributions	44,306.86
Concert Collections	4,253.93
Total Direct Public Support	78,560.79
Program Income	
Booth Fees	1,600.00
Total Program Income	1,600.00
Total Income	80,160.79
Expense	
Production Expenditures	
Performance Fees	18,696.00
Sound Engineering	17,000.00
Stage and Booking Director	8,050.00
Security	2,936.25
Permits	35.00
Waste and Sanitation	6,950.00
Lodging	2,612.96
Banner and Signs	1,299.00
Supplies	397.42
Insurance - Liability, D and O	845.04
Total Production Expenditures	58,821.67
Fund Raising and Marketing	
Internet	312.00
Marketing Director	3,000.00
Printing and Copying	1,202.59
Postage, Mailing Service	60.00
Total Fund Raising and Marketing	4,574.59
Administration	
Meetings	262.63
Accounting and legal	655.98
Total Administration	918.61
Total Expense	64,314.87
Net Ordinary Income	15,845.92
Net Income	15,845.92

7:31 AM

12/12/18

Cash Basis

Glenwood Springs Summer of Music, Inc

Balance Sheet

As of December 12, 2018

	<u>Dec 12, 18</u>
ASSETS	
Current Assets	
Checking/Savings	
Alpine Bank	<u>15,845.92</u>
Total Checking/Savings	<u>15,845.92</u>
Total Current Assets	<u>15,845.92</u>
TOTAL ASSETS	<u>15,845.92</u>
LIABILITIES & EQUITY	
Equity	
Net Income	<u>15,845.92</u>
Total Equity	<u>15,845.92</u>
TOTAL LIABILITIES & EQUITY	<u>15,845.92</u>

7:57 AM

12/12/18

Accrual Basis

Glenwood Springs Summer of Music, Inc

Profit & Loss Budget Overview

January through December 2019

	Jan - Dec 19
Ordinary Income/Expense	
Income	
Direct Public Support	
Government Grants	25,000.00
Individ, Business Contributions	44,305.00
Concert Collections	4,254.00
Total Direct Public Support	73,559.00
Program Income	
Booth Fees	1,600.00
Total Program Income	1,600.00
Total Income	75,159.00
Expense	
Production Expenditures	
Performance Fees	18,697.00
Sound Engineering	17,000.00
Stage and Booking Director	8,050.00
Security	2,936.00
Permits	4,400.00
Waste and Sanitation	6,950.00
Lodging	2,613.00
Banner and Signs	185.00
Supplies	399.00
Insurance - Liability, D and O	845.00
Total Production Expenditures	62,075.00
Fund Raising and Marketing	
Internet	312.00
Marketing Director	3,000.00
Printing and Copying	87.00
Postage, Mailing Service	1,175.00
Total Fund Raising and Marketing	4,574.00
Administration	
Administration-Manager	6,000.00
Meetings	260.00
Total Administration	6,260.00
Total Expense	72,909.00
Net Ordinary Income	2,250.00
Net Income	2,250.00



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Noxious Weeds Management Plan

Action Requested: Adopt the proposed Noxious Weed Management Plan.

Department: City Administration

Presented By: Brian Smith, Recreation Director
Deb Martin

Background Info: Staff has been working with Ms. Martin for several years to create a Noxious Weed Management Plan.

The plan is patterned after the Garfield County Noxious Weed Management Plan and complies with the Colorado Weed Management Act of 1990, last amended in 2014.

The Noxious Weed Management Plan is more fully defined in the 52 pages of text. In brief, the plan would allow the Code Enforcement staff, when notified of a species contained in the locally prepared Noxious Weed List, to notify property owners of the presence of a noxious weed or weeds and to provide options for management.

Similar to the process whereby property owners of hazardous trees are notified of the need to remedy a problem situation, property owners would be notified of the presence of a noxious weed or weeds on the property. The property owner would be given information as to options for integrated management practices and a reasonable timeline for compliance.

The intent is for the property owner to incorporate those options that are the least environmentally damaging and are practical, timely and economically feasible to achieve the desired outcome. The goal of the Management Plan is to promote healthy plant communities in the local jurisdiction and suppress the expansion of noxious weeds.

Issues:

Staff Recommendation:



City of Glenwood Springs, CO NOXIOUS WEED MANAGEMENT PLAN

**Adopted by the City of Glenwood Springs, CO
January 3, 2019**



Prepared by the City of Glenwood Springs, CO in cooperation with the
Garfield County Weed Advisory Board

**CITY OF GLENWOOD SPRINGS
NOXIOUS WEED MANAGEMENT PLAN TABLE OF CONTENTS**

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APPENDIX A: Noxious Weed Fact Sheets

SECTION I – INTRODUCTION

1.01 Executive Summary

- A. The health of our environment is a high priority for residents of Glenwood Springs. The health and productivity of natural plant communities and agricultural lands is threatened by the introduction of numerous invasive alien plants. Without an effective integrated weed management plan these aggressive plants will continue to infest and degrade the lands we value so highly.
- B. Rapid expansion of noxious weeds is an obstacle to maintaining healthy ecosystems and restoring disturbed native plant communities and habitats. Because noxious weeds tend to be highly invasive and harmful to native vegetation, they can quickly dominate many sites and often cause permanent damage to plant communities. Estimates indicate that 100 million acres of private, state, and federal land are infested with noxious weeds in just 11 western states. This is occurring in both disturbed and relatively undisturbed areas.
- C. The intent of the Colorado Noxious Weed Act and the goal of the Garfield County Weed Advisory Board is to curb the degradation of our valued environment by implementing an Integrated Weed Management Plan designed to stop the spread of noxious weeds.
- D. Management of weeds may seem overwhelming, but through developing partnerships at all levels – local, regional and national – we hope to achieve our weed management goals. The challenge for all involved is to develop management systems, support and direction for the prevention of the spread of weeds before the situation becomes even more serious and economically unfeasible.

1.02 Purpose of the Plan

- A. The purpose of the Plan is to provide guidelines for managing designated noxious weeds which represent a threat to the continued economic, environmental and agricultural value of lands in the City of Glenwood Springs. This plan provides for the implementation of the Colorado Noxious Weed Act by detailing integrated management options for designated noxious weeds. Options include education, preventive measures, good stewardship, and control techniques.
- B. The intent is to incorporate those options that are the least environmentally damaging and are practical, timely and economically feasible. It is the responsibility of all landowners to use integrated methods to manage noxious weeds, and the responsibility of local governing bodies to ensure that these plants are managed on public and private lands.

1.03 Enactment Authority

- A. The Colorado Weed Management Act (C.R.S. 35-5.5-101) was signed into state law in 1990 and last amended in 2014. Now known as the Colorado Noxious Weed Act, it states that noxious weeds pose a threat to the natural resources of Colorado.
- B. This plan is designed in accordance with the statutory provisions of the Colorado Noxious Weed Act.
- C. Municipalities shall adopt a weed management plan for all lands within their boundaries. The county and municipalities may cooperate, through an intergovernmental agreement, for the powers and authorities of the act.
- D. The Act directs the Board of County Commissioners to appoint a Weed Advisory Board, whose power and duties are:
 - a. Develop a noxious weed list.
 - b. Develop a Weed Management Plan for managing designated noxious weeds.
 - c. Declare noxious weeds and any state noxious weeds designated by rule to be subject to integrated management.
 - d. Recommend to the Board of County Commissioners that identified landowners be required to submit an integrated weed management plan for managing designated noxious weeds on their properties.

1.04 Colorado, Garfield County and Glenwood Springs Noxious Weed Lists

The Colorado Department of Agriculture's Noxious Weed Program has three noxious weed lists: A, B and C, plus a Watch List:

- A. Species are assigned to one of three State weed lists through the rule-making authority of the Department of Agriculture. The Commissioner of the Department of Agriculture uses a mandatory administrative process to create the lists, subject to the public notice and publication requirements of the State Administrative Procedure Act.
- B. The Colorado Noxious Weed Act requires the Commissioner to review and revise the lists at least once every 3 years, using this public process. Updated State weed lists and notices of departmental rule-making are available electronically through the State of Colorado's websites: www.state.co.us; www.ag.state.co.us and www.sos.state.co.us and through the Office of the Garfield County Vegetation Manager.
- C. State A, B and C Lists. The Colorado Department of Agriculture has determined that "an organized and coordinated effort must be made to stop the spread of noxious weeds." (C.R.S. 35-5.5-102). The rules designate and classify noxious weeds into four categories:
 - a. The State's A list is made up of rare noxious weed species that are subject to eradication, as a matter of law, wherever they are detected in the State, including Garfield County and the City of Glenwood Springs.
 - b. The B list includes species that have differing distributions throughout the State. Specified populations of B list species are subject to eradication, containment, or suppression in identified areas of the state, including portions of Garfield County and the City of Glenwood Springs.
 - c. The State's C list includes weed species that are widespread and well-established, for which the State recommends but does not require control, although Glenwood Springs's Weed Management Plan may require control.

- d. The Watch List was established in 2011 and is non-regulatory and advisory only. It is designed to increase awareness of new invasive species to the State.
- D. The City of Glenwood Springs follows the dictates of the State's rules as to which species on the A and B lists must be eradicated, contained or suppressed and manages those species and the species on its own locally-designated list in accordance with the Weed Management Plan contained in the following Sections II-V and the State Department of Agriculture's administrative rules.
 - a. The County's management plan for species on the State's lists is subject to review every 3 years.
 - b. The Board of County Commissioners may also adopt a revised Weed Management Plan that includes designated noxious weeds not previously included on any list.
 - c. The City of Glenwood Springs may also adopt a revised Weed Management Plan that includes designated noxious weeds not previously included on any list.
- E. In addition to the weeds designated on the State's A, B and C lists, the City of Glenwood Springs has the authority to declare plants as noxious weeds if the plant meets one or more statutorily defined criteria (C.R.S. 35-5.5-104 (16), 35-5.5-107, and 35-5.5-108 (3)).
 - a. The City of Glenwood Springs can also declare those weed species and the weeds on the State's weed lists to be subject to integrated management within city limits.
 - b. The City list is subject to change as the State amends the A, B and C lists and as the City declares species not included on the State's list as noxious.
- F. The City of Glenwood Springs Noxious Weed List as recommended by the Garfield County Weed Advisory Board on February 24, 2014, with Colorado designations listed as A, B or C or NL (Not Listed by the State). The list is current as of adoption of this regulation by the City.

Common Name	Scientific Name	Colorado Weed List
Absinth wormwood	<i>Artemisia absinthium</i>	B
Black henbane	<i>Hyoscyamus niger</i>	B
Bouncing Bet	<i>Saponaria officinalis</i>	B
Bull thistle	<i>Cirsium vulgare</i>	B
Canada thistle	<i>Cirsium arvense</i>	B

Chicory	<i>Cichorium intybus</i>	C
Chinese clematis	<i>Clematis orientalis</i>	B
Common burdock	<i>Arctium minus</i>	C
Common tansy	<i>Tanacetum vulgare</i>	B
Common teasel	<i>Dipsacus fullonum</i>	B
Corn chamomile	<i>Anthemis arvensis</i>	B
Curly dock	<i>Rumex crispus</i>	N
Cutleaf teasel	<i>Dipsacus laciniatus</i>	B
Cypress spurge	<i>Euphorbia cyparissias</i>	A
Dalmatian toadflax	<i>Linaria dalmatica</i>	B
Dame's rocket	<i>Hesperis matronalis</i>	B
Diffuse knapweed	<i>Centaurea diffusa</i>	B
Hoary cress	<i>Cardaria draba</i>	B
Houndstongue	<i>Cynoglossum officinale</i>	B
Jointed goatgrass	<i>Aegilops cylindrica</i>	B
Leafy spurge	<i>Euphorbia esula</i>	B
Mayweed chamomile	<i>Anthemis cotula</i>	B
Meadow knapweed	<i>Centaurea nigrescens</i>	A
Mediterranean sage	<i>Salvia aethiopsis</i>	A
Musk thistle	<i>Carduus nutans</i>	B
Myrtle spurge	<i>Euphorbia myrsinites</i>	A
Oxeye daisy	<i>Leucanthemum vulgare</i>	B
Perennial pepperweed	<i>Lepidium latifolium</i>	B
Plumeless thistle	<i>Carduus acanthoides</i>	B
Poison hemlock	<i>Conium maculatum</i>	C
Purple loosestrife	<i>Lythrum salicaria</i>	A
Russian knapweed	<i>Acroptilon repens</i>	B
Russian olive	<i>Elaeagnus angustifolia</i>	B
Salt cedar	<i>Tamarix parviflora</i>	B
Salt cedar	<i>Tamarix ramosissima</i>	B
Scentless chamomile	<i>Tripleurospermum perforata</i>	B
Scotch thistle	<i>Onopordum acanthium</i>	B
Spotted knapweed	<i>Centaurea stoebe</i>	B
Sulfur cinquefoil	<i>Potentilla recta</i>	B
Yellow starthistle	<i>Centaurea solstitialis</i>	A
Yellow toadflax	<i>Linaria vulgaris</i>	B

- G. The City has the statutory authority to adopt standards that are more stringent than those set by the State Commissioner of Agriculture.
- a. The Parks and Recreation Advisory Board will request such action of the City if and when a species presents a local threat which requires such action.
 - b. The City also has the authority to apply to the State Commissioner of Agriculture for a waiver of Compliance if and when the State Department of Agriculture's mandate that a species be eradicated in a portion of or all of the City of Glenwood Springs is deemed unfeasible.
 - c. If the Commissioner of Agriculture, in consultation with the City, determines that the most cost-effective manner to eradicate designated noxious weeds is for the state to implement an eradication program, the Commissioner may implement such a program through the Department of Agriculture (C.R.S. 35-5.5-108.5(3)(d)).

SECTION II - GENERAL INFORMATION

2.01 Definitions

Act: The Colorado Noxious Weed Act, Title 35 C.R.S., Article 5.5, as amended.

Adjacent: Having a common boundary that meets or touches at some point.

Aggressive: Fast growing, tending to spread quickly.

Agriculture: Uses involving the cultivation of land, production of crops, and/or the keeping of livestock and the preparation of these products for man's use and disposal.

Alien Plant: A plant species that is not indigenous to the State of Colorado.

Annual: A plant that lasts one growing season, completing its life cycle from seed to seed in one year.

Biennial: A plant that lives in 2 calendar years. The first year is usually a vegetative form, such as a rosette of leaves. The second year the plant grows a flowering shoot, sets seeds and dies.

Biological Control: The deliberate introduction of living agents such as insects, vertebrate predators, grazing animals and plant diseases to reduce a noxious weed population.

Biological Management: The use of organisms to disrupt the growth of noxious weeds.

Bolt: To flower or produce seeds prematurely or develop a flowering stem from a rosette.

Bract: A reduced or modified leaf often surrounding the base of a flower.

Browse: Tender shoots, twigs and leaves of trees and shrubs fit for food for wildlife.

Chemical Management: The use of agents or plant growth regulators to disrupt or inhibit the growth of noxious weeds.

City: The City of Glenwood Springs, CO

Commissioners: The Garfield County Board of Commissioners.

Containment: "...maintaining an intensively managed buffer zone that separates infested regions, where suppression activities prevail, from largely uninfested regions, where eradication activities prevail." (C.R.S. 35-5.5-103(11.7)(b)).

County: The unincorporated areas of Garfield County.

Cultural Management: Methods or management practices which favor the growth of desirable plants over noxious weeds, including maintaining optimum fertility and plant moisture status in an area, planting at optimum density and spatial arrangement in an area, and planting species most suited to a particular area.

Designated Noxious Weed: A non-native, invasive plant or plant parts that are identified as a threat to native plant communities and included on the Garfield County Noxious Weed List.

Desirable Plants: Plants considered to be advantageous and beneficial to the environmental viability of the County.

Elimination: Removing and destroying live plants of List A or List B species designated for eradication and preventing seed production until the seed source is depleted; considered the first step in the eradication process.

Eradication: "...reducing the reproductive success of a noxious weed species or specified noxious weed population in largely uninfested regions to zero and permanently eliminating the species or population within a specified period of time. Once all specified weed populations are eliminated or prevented from reproducing, intensive efforts continue until the seed bank is exhausted." (C.R.S. 35-5.5-103(11.7)(a)).

Escaped Ornamental: A plant originally intended for horticultural or landscape planting that has escaped its intended boundaries.

Exotic Plant: A plant that is not a regular member of the native or natural community in which it is found.

Forb: A broad-leafed, non-woody plant other than grass that dies back to the ground after each growing season.

Forage: Food for animals, especially when taken by browsing or grazing.

Garfield County Weed Advisory Board: A group of individuals appointed by the BOCC to advise on matters of management of noxious weeds.

Herbaceous: Applies to plants of soft texture whose stems die back to the ground after each growing season; green and leaf-like, not woody.

Infestation: Growth of an undesirable plant which has become harmful or bothersome. There are 3 types of infestation:

1. Heavy: Dense; 25-100% canopy cover.
2. Moderate: Widely scattered plants; 5-25% canopy cover.
3. Light: Occasional plant; less than 5% canopy cover.

Insectary: The Colorado Department of Agriculture Biological Pest Control Division operates the Palisade Insectary, which imports, rears, establishes and colonizes new beneficial organisms for control of specific plant and insect pests.

Integrated Management: The planning and implementation of a coordinated program utilizing a variety of methods for managing noxious weeds, in order to achieve desirable plant communities. Such methods may include but are not limited to education, preventive measures, good stewardship and biological, cultural, herbicide and mechanical management.

Invasive: Aggressive, capable of invading a plant community and creating a monoculture.

Invasive Ornamental: A plant originally intended for horticultural or landscape planting that has escaped its intended boundaries and is capable of invading a plant community and creating a monoculture.

Landowner: Any owner of record of state, municipal or private property including an owner of any easement, right-of-way, or estate within the county.

List A Species: "...rare noxious weed species with discrete statewide distributions that are subject to eradication wherever detected statewide in order to protect neighboring lands and the state as a whole." (C.R.S. 35-5.5-108(2)(a)(I)).

List B Species: "...noxious weed species with discrete statewide distribution that are subject to eradication, containment or suppression in portions of the state designated by the commissioner in order to stop the continued spread of these species." (C.R.S. 35-5.5-108(2)(a)(II)).

List C Species: "...widespread and well-established noxious weed species for which control is recommended but not required by the state, although local governing bodies may require management." (C.R.S. 35-5.5-108(2)(a)(III)).

Lobe: A division or segment of a leaf or other plant part, especially a rounded one.

Local Noxious Weed: Any plant of local importance which has been declared an invasive or undesirable plant by the Garfield County Board of County Commissioners or City of Glenwood Springs.

Management: Any activity that prevents a plant from establishing, reproducing or dispersing itself.

Management Plan: A plan developed by the City of Glenwood Springs and the Garfield County Weed Advisory Board and implemented by the City of Glenwood Springs in order to control the spread of noxious weeds.

Mechanical Management: Methods or management practices that physically disrupt plant growth, including tilling, mowing, burning, flooding, mulching, hand-pulling, shoveling, hoeing and chopping.

Monoculture: A single homogeneous crop without diversity.

Native Plant: A plant species that is indigenous to a particular locale.

Noxious Weed: An alien plant or parts of an alien plant that has been designated as being invasive and undesirable and has been declared a noxious weed by the Garfield County Weed Advisory Board and meets one or more of the following criteria:

1. Aggressively invades or is physically destructive to economic crops or native plant communities.
2. Detrimental directly or indirectly to the environmentally sound management of natural or agricultural ecosystems.
3. Poisonous to livestock.
4. Carrier of detrimental insects, diseases or parasites.

Noxious Weed Management: The planning and implementation of an integrated program to manage undesirable or problematic plant species.

Ornamental: A decorative, aggressive, non-native plant often sold through nurseries, seed catalogues, or spread through seed collection. A threat to native plant species because it has no natural predators and thus competes against the plants of the natural ecosystem.

Perennial: A plant that grows for 3 years or more; usually flowers and produces fruit each year. The above-ground part of the plant may die, but new growth comes from the roots or crown each spring.

Petiole: A slender stem that supports the blade of a foliage leaf.

Rhizome: An elongated subterranean plant stem that produces shoots above and roots below, and is distinguished from a true root by possessing buds, nodes and scale-like leaves.

Rosette: A cluster of closely-crowded leaves in a compact circle, usually at ground level.

State Noxious Weed: Any weed identified by the Colorado Commissioner of Agriculture by rule after notifying and consulting with the State Noxious Weed Advisory Committee.

Subject Lands: All public and private lands within the City of Glenwood Springs.

Suppression: "...reducing the vigor of noxious weed populations within an infested region, decreasing the propensity of noxious weeds species to spread to surrounding lands, and mitigating the negative effects of noxious weed populations on infested lands." (C.R.S. 35-5.5-103(11.7)(c)).

Surfactant: A compound that improves the emulsifying, dispersing, spreading, wetting or other surface modifying properties of liquids.

Watch List: The State Watch List, which is advisory and for educational purposes, includes plant species that have been determined to pose a potential threat to the agricultural productivity and environmental values of the lands of the state.

Wildflower: The flower of a wild or uncultivated plant or the plant bearing it.

Xeriscape: Landscaping with water conservation as a major objective.

2.02 Importation and Cultivation of City, County and State Listed Noxious Weeds

Persons are prohibited from importing seeds, propagating plant parts or live plants and cultivating City of Glenwood Springs, Garfield County and State of Colorado listed weed species within the City except as provided for in C.R.S. 35-5.5-104.5(a). All listed species are non- native and problematic in Glenwood Springs, Garfield County and/or the State of Colorado.

- A. Threat of Escaped Ornamentals. Most plants used for landscaping purposes cannot proliferate outside the cultivated environment of the home garden. Certain exotic plants and seeds were imported to the United States for their aggressive growth habits, xeriscape potential or re-seeding capabilities.
 - a. The escaped ornamentals include bouncing bet, chicory, cypress spurge, the chamomiles, Dalmatian toadflax, dame's rocket, myrtle spurge, oxeye daisy, purple loosestrife, Russian olive, yellow toadflax. The very traits that make these plants desirable for a garden or landscape may also enable them to thrive outside cultivated areas and become fierce competitors with native vegetation.
 - b. Because they exist here without the presence of any natural predators, these plants have the ability to spread extensively and pose a severe threat to the delicate balance of our native ecosystems.
- B. Since various invasive ornamental plants are attractive and establish themselves quickly, they are popular with landscapers and gardeners and may be purchased through certain nurseries in Colorado, in seed catalogues and on the Internet.
 - a. It is imperative to educate landscape architects, gardeners and nursery growers about the need to eliminate such plants from their landscape plans. Otherwise these plants will inevitably escape from the cultivated garden and jeopardize natural wildflower and plant communities.
 - b. Native grasses and forbs, as well as agricultural plantings, cannot compete with invasive ornamental plants for nutrients, sunlight and water. As a result, biologically diverse mountain meadows, grasslands, wetlands and agricultural lands are in danger of being overrun by non-native invasive ornamental plants.

2.03 Integrated Weed Management – Treatment Methods

An integrated approach to noxious weed management is important because no single technique will be effective.

- A. Prevention should always be practiced and is effective on all species of weeds. It is accomplished through good land stewardship, planting weed-free seed, avoiding planting invasive weed species, using weed-free seed mulch and erosion control, using clean equipment and taking legal measures such as quarantines and weed laws.
 - a. Cultural management includes methods or management practices which favor the growth of desirable plants over noxious weeds, including maintaining optimum fertility and plant moisture status in an area, planting at optimum density and spatial arrangement in an area, and planting species most suited to

- a particular area. Techniques include dense seeding, fertilization, mulching, careful irrigation practices, sensible grazing regimes and improved land management practices.
- b. Mechanical management methods or practices that physically disrupt plant growth and include tilling, mowing, burning, flooding, mulching, hand-pulling, shoveling, hoeing and chopping. Mechanical methods are most effective for annual and biennial weeds and less effective for perennials. Equipment should be cleaned thoroughly before moving to un-infested areas to prevent the spread of weeds.
 - c. Biological management involves the use of organisms such as insects and animals to disrupt the growth of noxious weeds. It rarely provides 100% control and must be incorporated with other methods for successful management. Insect species developed to mitigate specific noxious plants are available to the public free of charge from the Colorado Department of Agriculture Conservation Services Division, Biological Control Program, 750 37.8 Rd., Palisade, CO 81526; 866-324-2963 or 970-464-7916.
 - d. Herbicide application. It is extremely important to treat small infestation of certain weeds (List A and B species to be eradicated) as soon as possible. Herbicides are most effective when sprayed at specific stages during the life cycle of the weed. To ensure that small infestations of noxious weeds are controlled or eradicated effectively, it is extremely important to take immediate action on certain weed patches.
- B. The optimum method or methods for weed management will vary depending on a number of site-specific variables:
- a. Factors to be considered should include soil type and stability, grade, associated vegetation, existing and proposed land use, proximity to water, availability of irrigation water, weed type and stage of growth and severity of infestation.
 - b. The management method selected should be the least environmentally damaging, yet practical and reasonable in achieving the desired results.
 - c. When considering weed management on a property, work on the areas that may transport weed seeds. These areas include ditches, streams, roadsides, driveways, trails, livestock-concentrated areas and equipment storage sites.
- C. The Colorado Department of Agriculture has prepared fact sheets for most State-listed noxious weeds. They feature detailed descriptions and photographs of the plants, as well as integrated management for each species. (See Appendix A).
- D. Herbicide application. It is the City's philosophy to minimize the use of herbicides and impacts to desirable vegetation. However, for some species of noxious weeds herbicide application is the only effective method of control. It is extremely important to treat small infestation of certain weeds (List A and B species to be eradicated) as soon as possible. To ensure that small infestations of noxious weeds are controlled or eradicated effectively, it is extremely important to take immediate action on certain weed patches. The City uses hand gun, hand-held or backpack sprayers, utility task vehicles or truck-mounted equipment for selective spot spraying.
- a. No Spray Areas. Anyone living adjacent to a City right-of-way who does not want spraying in front of their property can call the Glenwood Springs Parks

and Recreation Department and request it be listed as a no-spray property. However, the property owner is responsible for elimination of noxious weeds. Only noxious weeds on the A and B State, County and City Lists need to be controlled. Land owners must dig up or mow any noxious weeds before they go to seed. If weeds are not properly managed, the City must resume spraying in order to comply with the Colorado Noxious Weed Act (C.R.S 35-5.5-101). Owners of organic crops or who have pesticide-sensitive crops can also call the City to request no-spray listing. Landowners may place “No Spray” signs on their property adjacent to City rights-of-way. Signs should be readable from the roadside and not impact city road maintenance operations.

- b. Registry of Pesticide-Sensitive Persons. The registry is maintained by the State of Colorado under the regulatory requirements of the Pesticide Applications Act. Notification to registered individuals must be given in accordance with C.R.S 35-10-112, and Part 12 of the PAA rules. Pesticide applicators are required to notify registered individuals prior to application of pesticides on adjacent properties. For information about the registry, call the Colorado Department of Agriculture, 303-239-4146.
 - c. Source Water Protection. A Source Water Protection Plan was developed in 2013 for community drinking water systems in Garfield County. A current list of systems covered under the Source Water Protection Plan is available through the Garfield County Public Health Department. The plan prioritizes source water protection concerns and identifies local source water management approaches that can be implemented to protect the source of drinking water for these communities. It delineates areas around these communities as source water protection areas. Pesticide application was identified a potential source of water contamination. The City of Glenwood Springs is committed to using best management practices when applying herbicides to control noxious weeds. These practices include following label directions and selective spot spraying to ensure direct treatment of noxious weeds and protection of native vegetation and water resources. See Appendix A/Weed Fact Sheets for approved herbicides/controls.
 - d. Changes in herbicide registrations occur constantly. The herbicide label is the legal document on herbicide use. ***Read and follow all directions carefully.*** The use of an herbicide in a manner not consistent with the label can lead to injury of crops, humans, animals and the environment.
 - e. Specific chemical recommendations are available from the Garfield County Vegetation Management Department and/or licensed applicators and are not listed in the Plan. Before using any chemical, thoroughly read the label. Any use of an herbicide inconsistent with the label is neither legal nor recommended. See Appendix A/Weed Fact Sheets or Section 2.05 of this document for recommended herbicides/controls.
- E. The optimum method or methods for weed management will vary depending on a number of site-specific variables. Factors to be considered should include soil type and stability, grade, associated vegetation, existing and proposed land use, proximity to water, availability of irrigation water, weed type and stage of growth and severity of infestation.

- F. The management method selected should be the least environmentally damaging, yet practical and reasonable in achieving the desired results. When considering weed management on a property, work on the areas that may transport weed seeds, including ditches, streams, roadsides, driveways, trails, livestock-concentrated areas and equipment storage sites.

2.04 Cost Share Program

Garfield County offers cost-share programs to assist with noxious weed management. These programs are a partnership between the three local Conservation Districts based in Glenwood Springs and Garfield County. Check with them for information on how they can assist with the costs of managing noxious weeds.

2.05 Description of Designated Noxious Weeds

GARFIELD COUNTY NOXIOUS WEED LIST

The Garfield County Weed Advisory Board encourages all county residents to be knowledgeable about noxious weeds. Below are general descriptions of the County's listed noxious weeds. Locations of some weeds are provided in general terms under their descriptions. Not all locations are listed.

ABSINTH WORMWOOD (*Artemisia absinthium*)

Description: A member of the Sunflower family native to Eurasia, the Middle East and Africa. A long-lived perennial. Reproduces from seed. Grows to roughly 3 feet tall and 2 feet across, with silver-grey leaves and yellow flowers. Smells strongly of sage.

Comments: It is commonly found in disturbed sites with moist soils. Considered poor forage for all but sheep and will taint milk of cows.

Location: Common between Glenwood Springs and Carbondale. Infested sites include the Missouri Heights and Crystal Springs areas. Also spread to South Canyon, Peach Valley and Rulison.

Cultural Control: Cultural controls are possible but time-consuming and expensive. Complete removal of any seedling or newly established plants by continual hand-pulling is possible.

Chemical Control: Treat when plant is 12 inches tall through flowering growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Absinth wormwood* (Appendix A).

BLACK HENBANE (*Hyoscyamus niger*)

Description: A member of the Nightshade family originally introduced from Europe as an ornamental and medicinal herb. Annual or biennial; reproduces from seed. Recognized by its

rosettes, shallowly-lobed leaves with sticky hairs and brownish-yellow flowers with purple veins and a distinctly unpleasant smell. Grows up to 3 feet.

Comments: Poisonous due to alkaloids in all parts of the plant. It is important to protect threatened areas from over-grazing.

Location: Relatively rare. Found in Gibson Gulch west of Divide Creek; reported just west of the West Fork of Stewart Gulch on the Roan Plateau near the Rio Blanco County line.

Mechanical Control: Complete removal of any seedling or newly established plants by continual hand-pulling.

Chemical Control: Treat plants in spring to early summer prior to seed production, in rosette stage. Follow up treatments are recommended to pick up missed or late bolting plants. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Black henbane* (Appendix A).

BOUNCING BET (*Saponaria officinalis*)

Description: Member of the Pink family originally introduced from Europe as a garden plant. Perennial. Reproduces from seed and rhizomatous swollen nodes. Stout oppositely branching and leaved stems. Leaves smooth and narrow. Flowers have 5 light pink to white petals with notches at the end.

Comments: Grows most commonly in wet areas which may restrict the use of certain herbicides. Poisonous.

Location: No Name, Glenwood Springs and New Castle.

Cultural Control: Eliminate seed production while depleting nutrient reserves in the roots. Prevent the establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over-grazing.

Chemical Control: Treat at bolting to bud-growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Bouncing Bet* (Appendix A).

BULL THISTLE (*Cirsium vulgare*)

Description: Member of the Sunflower family introduced from Eurasia as a seed contaminant. Biennial. Reproduces from seed. Only thistle species with leaves that are prickly hair above and cottony below. Heads hairy with composite purple flowers.

Comments: Commonly found in dry to moist environments in full sun. Thrives in highly disturbed, nitrogen-rich, gravelly to clay-textured soils.

Cultural Control: Prevention is the most effective control. Maintain healthy plant communities and monitor for new infestations. Limit seed production. Plants with buds or flowers should be immediately disposed of or destroyed.

Biological Control: *Urophora stylata*, a fly predator lays its eggs in the seed head, then larvae consume the seeds. Crown weevils, *Trichosirocalus horridus*, lay eggs in rosettes and consume the seeds.

Chemical Control: Treat rosettes in spring or fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Bull thistle* (Appendix A).

CANADA THISTLE (*Cirsium arvense*)

Description: A member of the Aster family introduced from Europe. Creeping perennial. Reproduces from seeds and fleshy horizontal roots. Grows 1-4 feet tall. Flowers pink to purple. Leaves lance-shaped, spine-topped lobes. The root is extensive and creeping, forming colonies.

Comments: One of the most widespread and economically damaging noxious weeds in Colorado. Infestations are found in cultivated fields, riparian areas, pastures, rangeland, forests, lawns and gardens, roadsides and in waste areas. Because of its seeding habits, vigorous growth and extensive underground root system, control and eradication are difficult.

Location: Common in Garfield County.

Cultural Control: Best managed through integrated management system that emphasizes competitive, desirable plants. Maintain soil fertility and moisture at optimum levels to favor grass growth.

Biological Control: It is best to release a complex of insects that will stress different parts of the plant: *Ceutorhynchus litura* weevil that stresses the crown of the plant; *Urophora carduii*, a stem and shoot gall fly; *Cassidia rubiginosa*, leaf beetle.

Mechanical Control: Mowing may be effective when repeated at 2 week intervals over a period of several years. Pulling and digging up is ineffective as the plant has an extensive root system.

Chemical Control: Treat in spring during bud to bloom stage or during fall regrowth after the first light frost. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Canada thistle* (Appendix A).

CHICORY (*Chicorium intybus*)

Description: Member of the Sunflower family. Perennial; reproduces from seed. Deep fleshy root and tufted basal leaves that resemble those of a dandelion. Stem multi-branched and can reach over 5 feet tall. Flowers bright blue, purple or occasionally white.

Location: Well established in western Garfield County (Parachute) and is spreading rapidly in other parts of the County.

Cultural Control: Reseed disturbed areas adjacent to chicory infestations with appropriate perennial grasses.

Biological Control: Close grazing by sheep will control chicory in pastures.

Chemical Control: Treat at early growth stage in early spring. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Chicory* (Appendix A).

CHINESE CLEMATIS (*Clematis orientalis*)

Description: Member of the Buttercup family introduced from Asia as a garden ornamental. Herbaceous to wood-vined perennial; reproduces by seed. Native clematis, *C. ligusticifolia*, distinguished from the noxious weed species by groups of small white flowers. Chinese clematis has single yellow flowers.

Comments: Found in well-drained, sunny areas with basic soils. Prefers roadsides, riparian corridors and rocky slopes. Known to cause death in young trees. Entire plant is poisonous, causing internal bleeding when ingested in large amounts.

Location: Glenwood Canyon on both sides of the Colorado River; along the Roaring Fork River south of Glenwood Springs.

Cultural Control: Eradication requires intensive and persistent control efforts to effectively eliminate weed infestations and soil seed reserves. Site must be monitored for 10 years after last flowering plant is destroyed. Prevent the establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over- grazing.

Chemical Control: Treat at flower stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Chinese clematis* (Appendix A).

COMMON BURDOCK (*Arctium minus*)

Description: A member of the Aster family. Biennial. Prolific seed producer. Grows to 6 feet tall with very large leaves and a prickly bur. Flowers are purple and white.

Comments: Grows along roadsides, ditch banks and neglected areas. A very serious threat to sheep as the burs can significantly damage the quality of their wool. May cause severe infections in cattle.

Location: Found throughout Garfield County.

Cultural Control: Minimize soil disturbances, encourage desirable plant growth.

Mechanical Control: Top growth removal through mowing or cutting is effective as is pulling or digging out the plant at flowering or early seed formation.

Chemical Control: Treat rosettes in late spring or early fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Common burdock* (Appendix A).

COMMON TANSY (*Tanacetum vulgare*)

Description: A member of the Sunflower family introduced from Europe as a medicinal herb. Perennial. Reproduces from seed and creeping rootstalks. Button-shaped flower heads that lack petals. Foliage has a strong smell when crushed.

Comments: Poisonous. Found most commonly in full sun on fertile, well- drained soils along roadsides, streams, irrigation ditch banks and pastures. Undesirable forage for livestock.

Location: Roaring Fork Valley along irrigation ditch banks. Isolated patches have been found along Elk Creek west of New Castle, and along the Colorado River south of Silt.

Cultural Control: Preventing establishment and seed production, and minimizing disturbance and seed dispersal are the most effective. Keep native community healthy. Maintain healthy pastures and avoid over- grazing.

Chemical Control: Treat when bolting to bud growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Common tansy* (Appendix A).

COMMON TEASEL (*Dipsacus fullonum*)

Description: A member of the Teasel family introduced from Europe. Biennial or sometime perennial forb; reproduces from seeds. Egg-shaped purple or white flowers at the top of each stem. Can grow to over 6 feet in height.

Comments: Commonly found in open, sunny areas. Prefers moist habitats such as ditches and rivers, however it appears to be moving to drier areas. Each plant can produce 2,000 seeds that remain viable for 2 years.

Location: Found in one location in Garfield County in Battlement Mesa at the golf course.

Cultural Control: The key to controlling is to eliminate seed production and exhaust the seed bank. Prevent the establishment of new infestation by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over- grazing.

Chemical Control: Treat spring or fall rosettes. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Common teasel* (Appendix A).

CORN CHAMOMILE (*Anthemis arvensis*)

Description: A member of the Sunflower family. Annual. Reproduces from seed. Small daisy-like flowers. Bushy branched plant that grows 10 to 30 inches.

Comments: Most commonly found in moist, poorly-drained soils. Tends to increase in abundance in years of above-average precipitation.

Location: While rare, it is found in Beaver Creek and throughout the County in small numbers.

Cultural Control: Prevent the establishment of new infestations by minimizing disturbance and eliminating seed dispersal. Continue to deplete seed bank from 4 to 6 years. Reseed infested areas to reduce infestation.

Chemical Control: Treat when plant is in rosette or bolting growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Corn chamomile* (Appendix A).

CURLY DOCK (*Rumex crispus*)

Description: A member of the Buckwheat family native to Eurasia. Robust, tap- rooted perennial. Grows 2 to 5 feet tall. Stems are erect; leaves basal with curly or wavy margins. Flowers small and in dense green, spike-like clusters.

Comments: Common in wet meadows and along ditch banks.

Location: Scattered throughout the County, in particular the Roaring Fork and Colorado River valleys.

Cultural Control: Treating before the plant seeds is the key to control. Maintain range and pasture in good condition. Promote healthy grass growth through proper irrigation and fertilization. Do not over-graze.

Chemical Control: Apply when plant is in rosette stage, in spring or fall, prior to bolting to eliminate seed production. For specific treatments for rangeland and pasture sites, contact Garfield County Vegetation Management.

CUTLEAF TEASEL (*Dipsacus laciniatus*)

Description: A member of the Teasel family introduced from Europe. Biennial, Reproduces from seed. Egg-shaped purple or white flowers at the top of each stem. Can grow to over 10 feet in height.

Comments: Commonly found in open, sunny habitats. Prefers moist areas such as ditches and rivers, however it appears to be moving to drier areas. Each plant can produce 2,000 seeds that remain viable for 2 years. More aggressive than common teasel.

Location: Not known in Garfield County at this time.

Cultural Control: The key to removing cutleaf teasel is to eliminate seed production and exhaust seed bank.

Chemical Control: Treat spring or fall rosettes. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Cutleaf teasel* (Appendix A).

CYPRESS SPURGE (*Euphorbia cyparissias*)

Description: A member of the Spurge family introduced from Eurasia; an invasive ornamental. Low-growing perennial that overwinters as root and crown tissue. Reproduces from seed. Leaves are stalkless, alternate, narrow and linear to lance-shaped. Flowers are yellowish-green usually turning reddish-green towards maturity.

Comments: Leaves and stems emit a milky, toxic sap when broken. Sap is an irritant and may cause dermatitis or rashes. The soil seed reserve is estimated to be at least 8 years.

Location: Found in the Crystal Springs area and in landscaping situations in Carbondale and Glenwood Springs.

Cultural Control: The most important consideration is replacing it in nurseries with alternative native or non-invasive cultivated plants. Remove plants before seed is set, in moist conditions. Be sure to wear gloves due to the toxic milky sap. Prevent establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over-grazing.

Chemical Control: Treat at flowering stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Cypress spurge* (Appendix A).

DALMATIAN TOADFLAX (*Linaria dalmatica*)

Description: A member of the Figwort family introduced as an ornamental from Europe. A creeping, aggressive perennial and escaped ornamental with stems from 2 to 4 feet tall. Flowers are snapdragon-shaped, bright yellow, with orange centers; leaves are waxy and heart-shaped.

Comments: Especially well-adapted to arid sites and can spread rapidly once established. Because of its deep, extensive root system, and heavy seed production, this plant is difficult to manage.

Location: Common in Glenwood Springs, Three Mile Creek, Four Mile Creek and one isolated patch up Slaughter Gulch north of Peach Valley.

Biological Control: The defoliating moth, *Calophasia lunula*, has been released on Dalmatian and yellow toadflax. It may defoliate up to 20% of the leaves of the plant. *Mecinus janthinus*, a stem-boring weevil, is capable of killing a large portion of the above-ground plant by boring into and killing stems where the larvae feed and live.

Cultural Control: Reseed disturbed areas adjacent to toadflax infestation with appropriate perennial grasses.

Mechanical Control: Repeated mowing 2 to 3 times a year will slow spread and reduce seed production.

Chemical Control: Treat at flower stage or in the fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Dalmatian toadflax* (Appendix A).

DAME’S ROCKET (*Hesperis matronalis*)

Description: A member of the Mustard family from Eurasia. Biennial or short-lived perennial forb; a prolific seed producer. Flowers have 4 white or purple petals on terminal stalks. Leaves are lance-shaped with toothed margins and are 2 to 4 inches long and slightly hairy.

Comments: Found most commonly in areas that have moist, well-drained soils and full sun to light shade.

Location: No Name and along Midland Avenue in Glenwood Springs. Cultural Control:

Mechanical Control: Locate and remove plants before seeds are allowed to set. The seed bank must be monitored until it is depleted. Check wildflower seed mix to make sure this plant is not included. Prevent the establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over-grazing.

Chemical Control: Treat when plant is in rosette or bolting stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Dame’s rocket* (Appendix A).

DIFFUSE KNAPWEED (*Centaurea diffusa*)

Description: A member of the Aster family introduced from Europe. Biennial or short-lived perennial forb; reproduces from seed. Usually produces a single main, multi-branched stem that is 1½ to 2 feet tall. Flower is white or pink with bracts.

Location: The largest infestation in Garfield County is located west of the Riverbend subdivision southeast of New Castle; scattered along Interstate 70 between Rifle and Parachute and south of Glenwood Springs at the Glenwood Airport and old rodeo grounds and Rifle Creek Golf Course.

Cultural Control: Reseeding of disturbed sites with fast growing grasses helps prevent diffuse knapweed establishment.

Mechanical Control: Hand-pulling has been effective, if repeated persistently over time.

Biological Control: A root-boring weevil, *Cyphocleonus achates*, weakens plants by destroying the root system. The weevil larvae of *Larinus minutus* feed within the seedhead and cause defoliation.

Chemical Control: Apply to spring to early rosette or bolt stage of growth, or fall rosettes. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Diffuse knapweed* (Appendix A).

HOARY CRESS (*Cardaria draba*)

Description: Also known as whitetop. A member of the Mustard family probably introduced from Europe in alfalfa seed. A very competitive, deep-rooted perennial that reproduces by root segments and seed. Grows erect from 10 to 18 inches high and has a grey-white colored leaf. Flowers are white and numerous in compact, flat-topped clusters which give the plant its name.

Comments: One of the earliest perennial weeds to emerge in the spring, producing flowers in May or June. Grows in waste places, cultivated fields and pastures, and is capable of vigorous growth.

Location: Common in Garfield County.

Cultural Control: Mowing or cultivation effectiveness will be increased if other plants like perennial native grasses or alfalfa are seeded in the hoary cress stand as competitors. Maintain range and pasture in good condition. Promote healthy grass growth through proper irrigation and fertilization. Do not over-graze.

Mechanical Control: Removal of top growth is somewhat effective. Repeated treatments may reduce seed production and spread.

Chemical Control: Treat at the early bud stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Hoary cress* (Appendix A).

HOUSTONGUE (*Cynoglossum officinale*)

Description: A member of the Borage family introduced from Europe. Biennial. Prolific seed producer. Grows 1½ to 3 feet high with reddish- purple flowers. Basal leaves resemble a dog's tongue in shape.

Comments: Its small nutlets attach to and are rapidly spread by people, domestic animals, wildlife and vehicles. Grows on ranges, pastures, trails and roadsides and is toxic to horses and cattle, as it contains alkaloids that may cause liver cells to stop reproducing.

Location: Widespread throughout Garfield County.

Cultural Control: Reseed disturbed sites with fast-growing native grasses. Maintain range and pasture in good condition. Promote healthy grass growth through proper irrigation and fertilization. Do not over-graze.

Mechanical Control: Physical removal of the plant at flowering or in early seed formation, by pulling or digging, will break the cycle of the plant.

Chemical Control: Treat in spring or fall rosettes. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Houndstongue* (Appendix A).

JOINTED GOATGRASS (*Aegilops cylindrica*)

Description: A member of the Grass family, Barley tribe. A non-native grass introduced from Turkey. Winter annual, reproduces from seed. Grows 15 to 30 inches tall in erect stems which branch at the base to give the plant a tufted appearance.

Comments: Established in many winter wheat-growing areas of North America. The seeds are very similar in size and shape to wheat seed and therefore are difficult to screen out. Found along roadsides, in waste areas, fields and pastures.

Location: Found in the Harvey Gap area, in West Mamm Creek, in fields adjacent to Parachute Creek, in scattered locations along county roadsides in the Silt and New Castle areas, and in Wallace and Spring Creeks.

Cultural Control: The key to control is to prevent the grass from becoming established in fields by cleaning equipment. Plant competitive native grasses.

Mechanical Control: Tillage can be effective when plants are in the seeding stage. The main goal is to prevent seed production and spread.

Chemical Control: Treat in early spring, late summer, or early fall when the plant is germinating, to prevent seed production. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Jointed goatgrass* (Appendix A).

LEAFY SPURGE (*Euphorbia esula*)

Description: A member of the Spurge family, introduced from Europe. A creeping perennial that grows up to 3 feet tall and reproduces by vigorous root stalks and seed. Roots can extend as deep as 30 feet from a plant that grows 1 to 3 feet tall, with pale green shoots and small yellow-green flowers.

Comments: The plant, including the root, has milky latex that is damaging to eyes and sensitive skin. Extremely difficult to control because of its extensive sprouting root. Adapted to a wide variety of Colorado habitats and very competitive with other plants species. If it becomes established in rangeland, pasture and riparian sites, it may exclude all other vegetation due to its competitive nature.

Location: Primarily found in Wallace and Spring Creeks in western Garfield County. Individual plants have been located throughout Garfield County.

Biological Control: Sheep or goats will graze leafy spurge. If livestock graze it after seed formation, hold animals in a corral for at least 7 days before moving them to an uninfested area to avoid seed spread.

Several flea beetles, *Apthona spp.*, produce larvae that bore into roots and the adults feed on the leaves. *Oberea erythrocephala*, a stem and root crown-mining, long-horned beetle, and *Spurgia esulae*, a shoot tip gall midge, are also available. The leafy spurge hawk moth, *Hyles euphorbiae*, deposits its eggs which then consume the leaves and bracts of the plant.

Cultural Control: Any activity that encourages vigorous grass growth is very important. Over-grazing stresses grasses and makes them less competitive to leafy spurge.

Mechanical Control: Mowing leafy spurge at 14 to 21-day intervals may cause higher susceptibility to fall-applied herbicides.

Chemical Control: Treat after full bloom or in the fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Leafy spurge* (Appendix A).

MAYWEED CHAMOMILE (*Anthemis cotula*)

Description: A member of the Sunflower family introduced from Europe. A bushy annual that reproduces prolifically from seed. Mature plants are one-half to 2 feet tall with finely dissected alternate leaf structures. White ray flowers.

Comments: Each plant is capable of producing 960,000 seeds that are viable for up to 6 years. The most distinguishing feature is the unpleasant odor it emits. Most commonly found in a wide range of soils but prefers moist poorly-drained soils. Increases in abundance in years of above-average precipitation. Can cause skin rashes, blistering of livestock muzzles, and irritation to the mucous membranes of grazing livestock. Can impart a strong flavor to the milk of dairy animals.

Location: While rare, may be found in Beaver Creek and throughout the County in small numbers.

Cultural Control: Prevent establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over-grazing. Mowing is an effective method before the seed is set. Perennial grasses should be reseeded for several years. Seed bank must be monitored for 4 to 6 years.

Chemical Control: Treat from rosette to bolting stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Mayweed chamomile* (Appendix A).

MEADOW KNAPWEED (*Centaurea nigrescens*)

Description: A member of the Sunflower family introduced from Europe as a forage species. Perennial. Reproduces from seed. Pink to purple flower heads that are solitary at the tips of branches. Grows 20 to 40 inches with many branches. Leaves up to 6 inches long and 1 inch wide.

Comments: When disturbed, has the ability to re-sprout from root and crown fragments. Found most commonly in moist sites, irrigated pastures, moist meadows, river banks, streams, irrigation ditches, roadsides and openings in forested area.

Location: Found in the upper Dry Hollow area south of Silt.

Cultural Control: Prevent the establishment of new infestations by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over-grazing. Since meadow knapweed has only been found in small quantities in Colorado, preventing populations from spreading is the most important consideration. Eradication requires intensive work to eliminate seed dispersal and deplete the seed bank. An integrated management plan utilizing hand-pulling, herbicides and cultural remediation is the most effective method.

Chemical Control: Treat in spring to early summer during bolting to bud growth stages or in fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets
– *Meadow knapweed* (Appendix A).

MEDITERRANEAN SAGE (*Salvia aethiopsis*)

Description: A member of the Mint family introduced from northern Africa. Biennial or short-lived perennial. Reproduces from seed. Very hairy rosette of leaves during both the first and second years. During the second year the plant bolts and sends up stems that end in white to yellowish-white flower clusters. Flowers will eventually form 4 nutlets with dark veins.

Comments: When crushed, the leaves have a pungent odor. Most commonly found on rangeland but will invade riparian areas, forests, roadsides and dry pastures. Prefers south-facing slopes in loose, gravelly, well-drained soils. Once established, has the capability to adapt to numerous conditions and form dense monocultures. In the fall of the second year, the stem breaks off and forms a tumbleweed, dispersing 100,000 seeds. Unpalatable to livestock.

Location: The only known County location is on the south-facing slope surrounding the No Name Tunnel on Interstate 70 and along the Colorado River bikepath.

Cultural Control: Prevent establishment of new infestations by minimizing disturbance and seed dispersal while keeping native community healthy. Maintain healthy pastures and avoid over-grazing. Hand pull or shovel when soil is moist, before flowering, and turn over to dry out. If flowering, collect specimens and bag them carefully to collect all seeds. Seed bank must be monitored for years. Sites must be monitored for 10 years after plant is eradicated.

Chemical Control: Apply in spring during rosette to bolting growth stages. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Mediterranean sage* (Appendix A).

MUSK THISTLE (*Carduus nutans*)

Description: A member of the Aster family introduced from Eurasia. A winter annual or biennial; reproduces from seed. First year growth is a large, compact rosette from a large, fleshy, corky taproot. Second year stem is erect, spiny, 2 to 6 feet tall and branched at the top. Waxy leaves dark green with light green midrib and mostly white margins; flowers purple or occasionally white.

Comments: Commonly found in pastures, roadsides and waste places. Prefers moist bottomland soil, but can also be found on drier uplands.

Location: Scattered throughout the County; heaviest in the Crystal River Valley.

Cultural Control: Musk thistle, like other biennial thistles, thrives on disturbance. The best management is to minimize disturbance. If it does occur, be certain to revegetate with competitive grasses.

Biological Control: A weevil, *Trichosiromus horridus*, attacks the crown area of the rosettes and weakens the plant before it bolts. This weevil has reduced stand density in areas where it has become well established.

Chemical Control: Treat rosettes in spring or fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Musk thistle* (Appendix A).

MYRTLE SPURGE (*Euphorbia myrsinites*)

Description: A member of the Spurge family introduced from Eurasia as an ornamental. Perennial. Reproduces from seed. Capable of projecting seeds up to 15 feet. Blue-green waxy leaves. Plants emit a toxic milky latex when stems are broken. Flowers yellow-green petal-like bracts that appear from March to May.

Comments: A popular plant in xeriscapes and rock gardens. Prefers sunny to partly sunny areas in well-drained soils. Poisonous if ingested; milky sap causes blisters upon contact. Most important consideration is replacing it in nurseries with alternative native or non-invasive cultivated plants. Remove plants before seed is set, in moist conditions.

Location: Fairly common in Glenwood Springs and Battlement Mesa. Isolated patches have been found in Westbank, Peach Valley and New Castle.

Cultural Control: Area must be monitored for 9 years after last flowering plant is eradicated. Prevent the establishment of new infestation by minimizing disturbance and seed dispersal, while keeping native community healthy. Maintain healthy pastures and avoid over- grazing.

Mechanical Control: Hand pull or dig when soil is moist. Make certain to pull all the roots and wear rubber gloves and eye protection to protect yourself from the toxic milky sap. Treatment follow-up is important to check root fragment re-sprouts that will occur when the taproot is not completely removed.

Chemical Control: Treat at flowering stage in spring or fall regrowth. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Myrtle spurge* (Appendix A).

OXEYE DAISY (*Chrysanthemum leucanthemum*)

Description: A member of the Aster family; a native of Eurasia. Rhizomatous perennial, escaped ornamental. White ray and yellow disk flowers, which bloom from June through August.

Comments: Commonly sold in wildflower seed mixes or transplanted as an ornamental despite its tendency to crowd out more desirable vegetation.

Location: A rapidly spreading weed in Garfield County on the increase along Main Elk Creek, East Elk Creek, Canyon Creek, Crystal Springs, Missouri Heights and Four Mile Creek.

Mechanical Control: Hand pull or dig when soil is moist.

Chemical Control: Treat at flowering stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Oxeye daisy* (Appendix A).

Education: The key to oxeye daisy management is to create an awareness among homeowners, nurseries, landscapers and landscape architects that oxeye is a noxious weed and therefore should not be specified in plantings, sold in nurseries or planted in home gardens or large-scale landscape projects.

PERENNIAL PEPPERWEED (*Lepidium latifolium*)

Description: A member of the Mustard family introduced from southern Europe and western Asia as a contaminant in sugar beet seed. Perennial. Reproduces from seed, roots and shoots. One to over 3 feet in height and has waxy leaves with a white midrib. White flowers in dense round clusters at branch tips.

Comments: Can grow in a variety of habitats but frequently found in moist soils such as riparian areas, wetlands, marshes, irrigation ditches, canals and floodplains. Alters ecosystems by acting as a “salt pump,” pulling salts from deep in the soil and excreting them on the surface. Change in soil pH alters biodiversity drastically and decreases agriculture and pasture production. Extremely invasive. The best method is prevention. In order to control this plant intensive use of herbicides and revegetation must be utilized.

Location: Scattered throughout central to western Garfield County, with the largest infestation found along Parachute Creek.

Cultural Control: Prolonged spring flooding of new growth will kill pepperweed. Reestablishment of native and desired plants can take years. Re- plantings must be repeated.

Chemical Control: Apply when plant is in bolting to early flower growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Perennial pepperweed* (Appendix A).

PLUMELESS THISTLE (*Carduus acanthoides*)

Description: A member of the Aster family introduced from Eurasia. Winter annual or biennial; prolific seed producer. Distinguished from musk thistle by smaller flowers from ½ to 1 inch in diameter. Leaves lack prominent white margin present on musk thistle leaves. May grow to 5 feet or more. Flowers reddish-purple, either solitary or clustered.

Comments: Found in pastures, river valleys and along roadsides.

Location: Common in southern Garfield County; rapidly spreading south of Battlement Mesa.

Biological Control: A weevil, *Trichosiocalus horridus*, attacks the crown area of rosettes and weakens the plant before it bolts. This weevil has reduced stand density in areas where it has become well established.

Cultural Control: Like other biennial thistles, it thrives on disturbance. The best management is to minimize disturbance and revegetate with competitive species.

Mechanical Control: Mowing is generally not effective due to the plant's capacity for rapid regrowth. Hand cutting is not effective unless there are repeated follow-up treatments and should only be conducted if there is a commitment to follow-up efforts. Plumeless tends to branch out where it is cut and then re-flowers. Pulling can be very effective, especially after a light rain. Hand-pulling with a good set of gloves is preferable to shoveling which disturbs the ground creating a potential seedbed for future infestations.

Chemical Control: Treat rosettes in spring or fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Plumeless thistle* (Appendix A).

POISON HEMLOCK (*Conium maculatum*)

Description: A member of the Parsley family. A biennial forb native to Europe. Grows 4 to 10 feet tall. Has white flowers in an umbrella-like cluster. Leaves are shiny green and finely divided, with a musty odor.

Comments: Seeds may remain viable in soil for about 3 years. All parts of the plants are highly poisonous. Found along streams, ditch banks and pasture borders. Highly poisonous.

Location: Garfield and Baldy Creeks.

Cultural Control: The key to control is containment and prevention. Pulling the taproot when the soil is moist can be effective. When the plants are present, the use of herbicides is critical.

Biological Control: Larvae of the hemlock moth, *Agonopterix alstroemeriana*, feed on the leaves, stem, flowers and seeds causing severe defoliation and death of the plant.

Mechanical Control: Deplete root reserves and reduce seed production with repeated mowing.

Chemical Control: Treat in early spring. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Poison hemlock* (Appendix A).

PURPLE LOOSESTRIFE (*Lythrum salicaria*)

Description: A member of the Loosestrife family introduced from Europe; an escaped ornamental. Prolific seed producer, able to produce over 10,000 seeds per square yard. Erect, square stem; can reach 1½ to 8 feet tall. Magenta-colored flowers.

Comments: Highly aggressive invader species found in most wetland sites throughout the state. If left unchecked, a wetland will eventually become a monoculture of loosestrife, posing a severe threat to waterfowl habitat and impeding water flow in irrigation ditches.

Location: Tara Park in Silt and the Westbank subdivision in Glenwood Springs.

Mechanical Control: Include hand-pulling, mowing and flooding. Hand-pulling is effective only on small plants, when infestations are detected early. The root system must be completely removed, since the root sections can sprout and form new plants.

Chemical Control: Cut and properly dispose of flower heads before chemical treatment. Treat in summer. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Purple loosestrife* (Appendix A).

RUSSIAN KNAPWEED (*Acroptilon repens*)

Description: A member of the Aster family introduced from Europe. Perennial that reproduces from seed with an extensive underground root system. Ridged stems are stiff and 1 to 3 feet high, with thistle-like flowers that are lavender to white.

Comments: Very difficult to control or eradicate once it becomes established. Grows in cultivated fields, along ditch banks, fence rows, roadsides and in waste places. Toxic to horses, and will cause death if consumed over a period of time.

Location: Very common in Garfield County; most common in Dry Hollow, Silt Mesa and Missouri Heights.

Cultural Control: A single control strategy such as mowing or an herbicide usually is not sufficient. Tends to form monocultures by eliminating other plants. Sowing desirable plant species is necessary after the weed is controlled. Research indicates that the native grasses streambank wheatgrass and thick-spike wheatgrass will establish in an area after Russian knapweed is suppressed with herbicides. If the stand is not too old and grasses are still present, stimulating grass growth by irrigation, where possible, should increase grass competition with knapweed and keep it under continual stress.

Mechanical Control: Repeated mowing combined with herbicide applications will gradually stress the plant.

Chemical Control: Treat in spring to bud stage or to dormant plants in fall after the first freeze. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Russian knapweed* (Appendix A).

RUSSIAN OLIVE (*Elaeagnus angustifolia*)

Description: Member of the Oleaster family. A hardy, fast-growing tree from Europe, Russian olive has been promoted for windrow and ornamental plantings. Many reach heights from 10 to 25 feet. Trunks and branches armed with 1 to 2 inch woody thorns. Leaves covered with small scales which give the foliage a distinctive silvery appearance. Fruit berry-like and silvery when first formed but turns brown at maturity.

Comments: Once imported as a wind-break, it has spread to riparian areas throughout the County where it is becoming the dominant plant. It has invaded cottonwood areas along streams, and impacted wildlife and bird habitat.

Location: Very common along the Colorado River and other drainages especially between Silt and Rifle in western Garfield County.

Cultural Control: Plant native trees or less aggressive introduced trees. In riparian areas, establish native riparian vegetation.

Mechanical Control: Small trees may be controlled mechanically by using an appropriate tool or shovel.

Chemical Control: Treatments include cut-stump, foliar or basal bark. Timing varies; avoid late spring and early summer during heavy sap flow. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Russian olive* (Appendix A).

SALT CEDAR (*Tamarix ramosissima*, *Tamarix parviflora*)

Description: A member of the Tamarisk family. Deciduous or evergreen shrub or small tree, 5 to 25 feet tall.

Comments: May live 50 to 100 years. Tolerance to saline and alkaline soil and water. Copes with high concentrations of dissolved solids by absorbing them through its roots and excreting salts through glands in its stem and leaves which eventually form a saline crust on the soil. A

single plant of salt cedar will use about 200 gallons of water a day while it is actively growing. Leaves small and scale-like, on highly branched slender stems. *Ramosissima* flowers are 5-petaled and pink to white; *Parviflora* flowers are 4-petaled.

Location: Widespread throughout Garfield County in riparian areas.

Biological Control: Tamarisk leaf beetle, *Diorhabda carinulata*, has been released along the mainstem of the Colorado River in western Garfield County and some tributaries, and is now established. Adult and larvae cause defoliation.

Cultural Control: Establish native riparian vegetation.

Mechanical Control: Historically, salt cedar management projects have included root plowing and raking, dozing, mowing and prescribed burning. These methods provide only short-term benefits and are labor intensive.

Chemical Control: Treatments include cut-stump, foliar or basal bark. Timing varies; avoid late spring and early summer during heavy sap flow. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Salt cedar* (Appendix A).

SCENTLESS CHAMOMILE (*Tripleurospermum perforata*)

Description: A member of the Sunflower family introduced from Europe. Annual, biennial or short-lived perennial forb; reproduces by seed. Flowers are daisy-like with 1 yellow centered flower with white petals for every stem. Leaves are alternate, finely divided, fernlike, odorless when crushed. Stems can grow 3 to 6 feet tall.

Location: While rare, may be found throughout the County in small numbers.

Comments: Scentless chamomile is most commonly found in moist areas such as hayfields, pastures, roadsides, stream banks, fence lines and drainages. A single plant can produce 300,000 seeds. Has the potential to be devastating in agricultural settings because it causes blistering on livestock muzzles and irritation to mucous membranes.

Cultural Control: Any practice that aids in the establishment of forage into a firm moist seedbed will help reduce growth. Integrated management is the most effective method for controlling scentless chamomile. A combination of tillage, herbicide and competitive cropping can be very effective in preventing seed production and crowding out infestations.

Chemical Control: Treat in rosette or bolting stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Scentless chamomile* (Appendix A).

SCOTCH THISTLE (*Onopordum acanthium*)

Description: A member of the Aster family introduced from Europe or eastern Asia. A biennial that can reach a height of 8 feet. Rosette forms the first year and can have leaves up to 2 feet long and 1 foot wide.

The second year the plant produces flowers that are reddish-purple to violet.

Comments: Found primarily along roadsides and railroads, but can become an impassable obstacle to livestock on rangeland and pastures.

Location: Common in the County. The worst infestations are located between Glenwood Springs and New Castle.

Cultural Control: Reseed disturbed sites with appropriate perennial grasses.

Mechanical Control: Digging the plant at the rosette stage is effective.

Chemical Control: Treat rosettes in spring or fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Scotch thistle* (Appendix A).

SPOTTED KNAPWEED (*Centaurea stoebe*)

Description: A member of the Aster family, native to central Europe. Short-lived, non-creeping perennial that reproduces from seed and forms a new shoot each year from a taproot. One or more shoots up to 4 feet tall. Flowers lavender to purple.

Comments: Occupies dry meadows, pastures, stony hills, roadsides and the sandy or gravel flood plains of streams and rivers, where soils are light textured, well-drained and receive summer precipitation. Tolerates dry conditions similar to diffuse knapweed, but will survive in higher moisture areas as well. One of the most invasive, aggressive weeds to plague the western United States.

Location: Scattered, isolated patches are increasing in the County. A large infestation is located just west of the Riverbend subdivision southeast of New Castle. Also North Dry Fork northwest of DeBeque, the East Divide area, Cardiff area south of Glenwood Springs, and Battlement Creek.

Biological Control: A root-boring weevil, *Cyphocleonus achates*, weakens plants by destroying the root system. The weevil larvae of *Laridius minutus* feed within the seedhead and cause defoliation.

Cultural Control: If desirable grass competition is evident in spotted knapweed stands, judicious herbicide application that does not injure grasses may release them to compete effectively with the weeds. Irrigation may help stimulate grass competition in these cases. Seeding suitable perennial grasses is necessary to prevent weed reinvasion.

Chemical Control: Treat spring or fall rosettes. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Spotted knapweed* (Appendix A).

SULFUR CINQUEFOIL (*Potentilla recta*)

Description: A member of the Rose family introduced from Eurasia. Perennial, reproduces from seed. Leaves are palmately compound with 5 to 7 toothed leaflets. Flowers light yellow with 5 petals, seeds are coated with a net-like pattern.

Comments: Most commonly found in disturbed areas such as roadsides and pastures. Prefers dry, sandy, gravelly and rocky soils that receive 13 to 50 inches of annual precipitation. Unpalatable to livestock due to a high concentration of phenolic tannins. Can live for 20 years.

Location: Found in South Canyon.

Cultural Control: Small infestations can be controlled by hand pulling while larger infestations are commonly controlled with herbicides. Re-vegetation should focus on improving the competitiveness of native communities. Increasing the competitiveness of native communities can prevent the establishment of sulfur cinquefoil. As with all weeds, disturbance and bare ground should be avoided.

Chemical Control: Treat anytime during the growing season. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Sulfur cinquefoil* (Appendix A).

YELLOW STARHISTLE (*Centaurea solstitialis*)

Description: A member of the Aster family introduced from Europe. Annual; prolific seed producer. Grows two to 3 feet tall. Flowers are yellow, located singly on ends of branches, armed with sharp straw-colored thorns up to $\frac{3}{4}$ inches long.

Comments: In California alone, this plant has infested more than 20 million acres. “Chewing disease” results when horses are forced to eat yellow starthistle.

Location: No known infestations in the County, however there have been reports in the past of single plant infestations.

Biological Control: A seed-feeding beetle, *Bangasterus orientalis*, has been released in California and Idaho. Seed weevils and seed flies have also been released.

Cultural Control: Vigorous competitive grass is essential to maintain a plant community's resistance to starthistle invasion.

Mechanical Control: Mowing or cutting is rarely effective.

Chemical Control: Treat during rosette growth stage. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Yellow starthistle* (Appendix A).

YELLOW TOADFLAX (*Linaria vulgaris*)

Description: A member of the Figwort family sometimes called common toadflax or “Butter and Eggs.” Introduced from Europe. Escaped ornamental perennial reproducing by seed and rootstalk. Flowers bright yellow with deep orange centers that resemble the snapdragon.

Comment: Has now become a serious problem to rangelands and mountain meadows. Does well in all types of soils. Its displacement of desirable grasses not only reduces ecological diversity, but also reduces rangeland value and can lead to erosion problems. Because of its early vigorous growth, extensive underground root system and effective seed dispersal methods, yellow toadflax is difficult to control.

Location: Infests thousands of acres in the Flat Tops Wilderness. Increasing in the Lookout Mountain area above Glenwood Springs.

Biological Control: The defoliating moth, *Calophasia lunula*, has been released on Dalmatian and yellow toadflax. It may defoliate up to 20% of the leaves of the plant. *Mecinus janthinus*, a stem-boring weevil, is capable of killing a large portion of the above-ground plant by boring into and killing stems where the larvae feed and live.

Cultural Control: Attempt to maintain competitive communities of desirable species. Reseed any open ground with perennial grasses to prevent invasion by other weed species.

Education: The key to management of escaped ornamentals is to create awareness among homeowners, nurseries, landscapers and landscape architects that yellow toadflax is a noxious

weed and therefore should not be specified in plantings, sold in nurseries or planted in home gardens or large-scale landscape projects.

Mechanical Control: Digging and pulling where feasible can provide effective control if conducted annually for 10 to 15 years.

Chemical Control: Treat at flowering through fall. For specific treatments for rangeland and pasture sites, refer to the Colorado Department of Agriculture Fact Sheets – *Yellow toadflax* (Appendix A).

2.06 Identification of Native and Noxious Thistles

A. Colorado has several species of thistle which are native and do not cause the problems of the noxious species. Some of them are very rare. An excellent reference guide is “Thistles of Colorado,” published by the Larimer County Weed District. Native thistles share these characteristics:

1. They have mostly white, sometimes very pale lavender flowers and are more succulent than the noxious species. The flowers may have a hairy or fuzzy appearance and stems of some species are reddish.
2. They are valuable to pollinators and wildlife and contribute to biodiversity.
3. They are sometimes inadvertently sprayed, pulled, clipped or dug up because they are confused with noxious, non-native thistles.
4. Among the native thistles in Garfield County are Barneby’s thistle (*Cirsium barneybi*), fringed thistle (*Cirsium centaureae*), Fish Lake thistle (*Cirsium clavatum* var. *americanum*), Rocky Mountain thistle (*Cirsium perplexans*), and adobe thistle (*Cirsium perplexans*). These may also be present in the City of Glenwood Springs.

B. Five introduced thistle species include Canada, musk, plumeless, bull and Scotch.

1. Canada thistle is a perennial and has an extensive root system.
2. Plumeless, Scotch and musk thistles are biennials. They are relatively shallow- rooted and reproduce by seed only.
3. Canada and plumeless are often mistaken for each other. It is very simple to tell them apart:
 - a) Canada has a smooth stem; plumeless has a spiny stem and leaves.
 - b) The bracts under the flower of Canada are spineless; bracts under the leaves of plumeless appear as sharp spines.
 - c) The flowers of musk thistle are about 3 times larger than those of Canada or plumeless.
4. Musk thistle seedlings have a very prominent white midrib.
5. Scotch thistle leaves are larger than those of the other thistles. They grow up to 2 feet in length and 1 foot wide. The leaves are covered with dense hairs which give them a grey appearance.
6. The leaves of bull thistle are deeply lobed and spiny with prickly hair above and cottony hair below. Canada leaves are smooth above and smooth or hairy below.
7. All of the biennial thistles may grow to heights of greater than 6 feet. Canada thistle may grow from 1 to 4 feet tall.

SECTION III - JURISDICTIONAL OVERVIEW OF AREAS OF INFESTATION

3.01 Overview

It is the goal of The City of Glenwood Springs to develop and implement a comprehensive noxious weed management program on all City-owned property and to be available as a resource for private landowners and public land managers. The City has adopted an “early detection, early treatment” policy for the purpose of establishing priorities. Early detection involves identification and documentation of recently introduced weed species into an area. Early treatment is the follow-up that could possible eradicate new infestations.

3.02 City of Glenwood Springs: Streets/Roadsides, Airport, Landfill

The City of Glenwood Springs has specific responsibilities as described in the Colorado Noxious Weed Act (See Section 1.03 of this plan). As of February 2010, the City has had a representative on the County Weed Advisory Board which serves in an advisory capacity. This cooperation does not preempt the above-stated responsibilities. Listed below are general descriptions of the weed issues in the City of Glenwood Springs. The list is meant to provide institutional memory as to where key species are known to occur. The list is not all-inclusive.

The suggested goal is to manage all noxious weeds in accordance with the latest version of State Rules and Regulations Pertaining to the Noxious Weed Act (8CCR 1206-2).

1. Key Species: Myrtle spurge (List A), Dalmatian toadflax, diffuse knapweed, tamarisk, Scotch thistle, plumeless thistle, sulfur cinquefoil, oxeye daisy.
2. Locations:
 - a. South Canyon Landfill: Scotch thistle.
 - b. South Canyon Parklands: Scotch thistle, tamarisk, Dalmatian toadflax, sulfur cinquefoil, oxeye daisy.
 - c. Glenwood Springs Airport and rodeo grounds: Dalmatian toadflax, diffuse knapweed.
 - d. Two Rivers Park: Tamarisk, Russian Olive
 - e. Midland Avenue: Dalmatian toadflax

B. Streets/Roadsides: Glenwood Springs has over 43 miles of streets. The street/roadsides shall be managed for weeds on the City’s noxious weed list, Garfield County listed weeds and Colorado listed weeds designated for eradication.

1. A Priority List of roads will be established each growing season based upon input from the Parks and Recreation Department, the public and past observations by staff. Roadsides will be selectively spot-treated for noxious weeds.
2. There will be no general herbicide applications to non-listed weeds unless specifically requested by the Parks and Recreation Department to treat a roadside for safety and sight reasons or to protect new paving.
3. Roadside treatment will start in mid- April. Each street on the Priority List will be treated at least twice. If time and workload allows some of the heavily infested roadsides will be treated a third time.

C. Airport: The Airport will be treated on an as-needed basis for noxious weeds.

D. Landfill: The City of Glenwood Springs Landfill will be treated on an as-needed basis for noxious weeds.

3.03 State Land

A. Colorado Department of Transportation's state highways in the City of Glenwood Springs are Highways 82 and U.S. Highway 6&24. These highways are managed for noxious weeds by CDOT through their offices in Glenwood Springs, Grand Junction and Craig

1. Goals:

a. Manage all noxious weeds in accordance with the Garfield County Weed Management Plan and the latest version of State Rules and Regulations Pertaining to the Noxious Weed Act, (8CCR 1206-2).

b. Establish an intergovernmental agreement with CDOT that enables the City to perform weed management on a very limited basis. The major responsibility for weed management would still lie with CDOT.

2. Key Species:

a. Interstate 70: Diffuse knapweed, spotted knapweed, Russian knapweed, Scotch thistle, Russian olive, tamarisk.

b. Highway 82: Plumeless thistle, Canada thistle, Russian knapweed.

c. Highway 6&24: Diffuse knapweed, Russian knapweed, Scotch thistle, Canada thistle, whitetop.

B. Garfield County is available to provide technical assistance and weed identification upon request.

3.04 Railroad

The Union Pacific Railroad owns the rail line that generally runs parallel to Interstate 70 from Glenwood Canyon to the Mesa County line. Garfield County worked with other Western Slope counties to develop a weed management plan for UP in 2010. Portions of the rail line between Glenwood Springs and Rifle were mapped by the County in 2009 with the cooperation of UP.

A. Suggested Goal: Manage all noxious weeds in accordance with the Garfield County Weed Management Plan and the latest version of State Rules and Regulations Pertaining to the Noxious Weed Act (8CCR-1206-2).

B. Key Species: Scotch thistle, tamarisk, Russian knapweed, whitetop, Russian olive, common tansy, Chinese clematis.

SECTION IV - IMPLEMENTATION OF WEED MANAGEMENT PLAN

4.01 Objectives and Goals

A. Management Goals for Weed Species. Management goals will vary from species to species, by location and over time.

1. For some species, such as Colorado List A species, complete eradication of existing infestations and total suppression of newly identified infestations is mandated by State law.
2. Containment of existing intentional plantings, exclusion of seed from new wildland or open space mixes and elimination of targeted escaped infestations are goals for certain ornamentals such as oxeye daisy.
3. Russian knapweed, tamarisk and Russian olive infestation are so widespread that they must be managed, in many cases, merely for containment and reduction in the rate of spread. Eradication of these stands may only be viewed as unlikely in some instances or as a long range objective.

B. Objectives:

1. Develop and implement a comprehensive noxious weed management program on all City-owned property.
 2. Educate the public concerning weed management issues.
 3. Foster a spirit of cooperation among federal, state and local government agencies and private landowners.
 4. Work with other government agencies and departments to institute Best Management Practices and policies that stress prevention as a weed management tool.
 5. Promote and use integrated management techniques.
 6. Establish and maintain healthy plant communities with native or beneficial vegetation.
 7. Restore and maintain desirable plant communities and healthy ecosystems in the City of Glenwood Springs.
 8. Stop the spread of noxious weeds to non-infested lands.
 9. Contain heavily weed-infested areas.
 10. Implement Title 35, Article 5.5, of the Colorado Weed Management Act (8CCR 1206-2).
- C. In all cases, revegetation either from the existing seed bank or through supplemental planting must be included as a management goal. Without revegetation, disturbed or denuded soils invite weed infestation.

4.02 Prevention and Detection

Prevention is the highest priority weed management technique on non-infested lands. Among government officials, land managers, farmers, ranchers and the general public there is a growing recognition that protecting weed-free plant communities is the most economical and efficient land management practice.

A. Weed-free plant communities:

1. Provide essential wildlife habitat and forage.
2. Save ranchers and farmers many billions of dollars in labor costs and lost production.
3. Ensure aesthetic and recreational qualities of an area.
4. Prevent soil erosion and improve water quality. The spread of noxious weeds is most likely to occur where soil has been disturbed either by human activities such as road and trail cuts,

construction sites, the spread of gravel, road fill and topsoil contaminated with noxious weed seed, or over-grazing.

B. Exotic plants and seeds such as oxeye daisy, purple loosestrife, chicory, toadflax and Russian olive escape from our yards and gardens. Since they are attractive and establish themselves quickly, they are popular with landscapers and gardeners for ornamental planting and may be purchased through nurseries. They have the same ability to dominate and spread, however, as other better known noxious weeds.

C. Other methods of weed introduction include:

1. Contaminated seed, feed grain, hay, straw and mulch.
2. Movement of contaminated equipment, cars, bikes, etc. across uncontaminated lands.
3. Animal fur, fleece, human clothing.
4. Dried flower arrangements.

D. Prevention is best accomplished by ensuring that new weed species seed or vegetative reproductive plant parts are not introduced into new areas, and by early detection of any new weed species before they become widespread.

E. Strategies to prevent the introduction or establishment of noxious weeds in areas not already infested include:

1. Identification and eradication of small, new infestations.
2. Continuous monitoring and evaluation to prevent recurrence.
3. Identification of existing conditions, disturbances and activities that represent a potential threat to native habitat.
4. Identification of recently introduced weed species that represent a future threat.
5. Timely revegetation and reclamation of disturbed sites using appropriate native plant species.
6. The use of weed-free seeds and mulch.
7. County-wide promotion of the Colorado Weed Free Hay and Forage program.
8. Prioritization of weed management along areas of entry and dispersal.
9. Discouraging the sale of weedy ornamental plants and seed packets that contain weeds.

4.03 City of Glenwood Springs Gravel Purchase Guidelines

A. The City shall require the following before agreeing to purchase any gravel for City projects:

1. The gravel pit shall be inventoried and mapped by the pit operator for all plant species on the City's noxious weed list on an annual basis.
2. The gravel pit operator shall provide the City with a weed management plan. Noxious weeds shall be treated prior to seed formation.
3. The gravel pit operator must supply the City with a detailed treatment record.
4. The City will inspect the pit, the inventory and the application records 2 weeks prior to the purchase of gravel or other aggregates.

4.04 Education and Awareness

A. Education must play a major role in implementing the weed management plan.

Groups targeted for public education include golf course managers, homeowner associations, private citizens, housing developers, gardeners, landscapers, nurseries, public and private land management agencies, recreational users, youth groups, and schools.

B. A partnership of the public and private sectors, along with awareness of noxious weeds and the problems they cause, is essential to maintain or create plant communities that are free of noxious weeds.

C. Knowledge about how to identify weeds, how and where weeds are spread and what it takes to manage weeds is needed.

D. Continuation and expansion of current educational programs as well as the development of new programs is a priority of the City of Glenwood Springs' Noxious Weed Management Plan.

E. The City of Glenwood Springs and other governmental agencies will provide this instruction. Workshops will be held throughout the year to enhance public awareness.

F. Opportunities for education include:

1. Updates on City's Website.
2. Widespread distribution of informative printed material.
3. Offering weed tours and talks to the public.
4. Private applicator certification, applicator safety and laws and regulations.
5. Proper calibration of spraying equipment.
6. Contacting area nurseries, landscapers and landscape architects to emphasize the problems created by escaped ornamentals.
7. Cooperation with local media to disseminate weed information.
8. Custom weed management recommendations for individual landowners.

4.05 Land Stewardship

The Colorado Noxious Weed Act requires that all property owners use integrated methods to manage noxious weeds. Weed management must be ongoing, requiring an integrated approach in which proper land stewardship practices are utilized. Most weed species, if detected early, can be managed.

A. Strategies for implementing a noxious weed management plan:

1. Identify your plants.
2. Understand the target weed. Does it reproduce by seed or roots or both?
3. Maintain inventory maps.
4. Develop a noxious weed database.
5. Develop site-specific weed management plans in cooperation with other individual landowners and public agencies.
6. Develop a decision-making process that uses site-specific information to make decisions about treatment choices.
7. Develop a long-term strategy including regular monitoring of treatment areas.
8. Correct the situation or practices that allowed the weeds to spread.
9. Take necessary action.

B. Maintaining land that is free of weeds is good stewardship. Landowners who do not manage their weeds place their neighbors' land at risk.

4.06 Revegetation

A crucial part of any weed management plan is the reintroduction of site-appropriate vegetation.

A. Establishing a desirable plant community after noxious weeds have been removed from a highly infested area requires timely cultivation and reseeding.

B. Since the seeds from noxious weeds may lay dormant for many years, removing all visible signs of the noxious weeds does not ensure against their return.

C. Revegetation can help prevent the germination of weed seeds. It is important to inspect the land regularly to identify and treat small, new infestations.

D. For proper revegetation, managed irrigation of dry areas and reseeding are essential to establish desirable communities.

E. Native plants are most appropriate when the goal is restoration of native habitat.

F. Weed-free seeds of native Colorado grasses, wildflowers or plant species appropriate to the site may be purchased, but the best source for seeds is from native species that grow in the immediate vicinity of the infestation. They will be best adapted to local conditions and will help maintain local integrity and genetic viability.

G. Using native plants or seeds to revegetate disturbed land reduces degradation of native ecosystems, reduces the need for herbicides and conserves water resources.

H. Native plants provide broad biological diversity and help keep the Colorado landscape from being irrevocably altered by non-native species.

I. When the goal is reclamation – reseeding for quick ground cover establishment or erosion control – it may be appropriate to use introduced, non-aggressive grasses and forbs.

J. Contact the Natural Resources Conservation Service or Colorado State University Extension for specific seeding recommendations. General seeding recommendations:

a) Study all vegetation in the area and surrounding areas. b) Preserve plant species native to Colorado.

c) Test the soil for pH balance.

d) Retain and utilize as much on-site topsoil as possible.

e) Select a predominant species that is appropriate to the site. Then choose a few complementary species to provide a balanced plant community.

f) Choose plants that are healthy, vigorous and pest-free. g) Use weed-free, non-hybrid seeds.

h) Avoid commercial seed packets containing exotic plant species.

i) Confirm viability and purity of seed through seed testing from an accredited seed testing lab.

j) When choosing seeding rates, consider the guidelines provided by the Natural Resource Conservation Service. Fact sheets are available for individual species at the USDA-NRCS Plants Database website: <http://plants.usda.gov/java/factSheet>.

4.07 Requirements – Reclamation/Revegetation Plan, Soil Management Plan and Security

Various land use change permits processed through the Community Development Departments (e.g. grading, pipeline, and Land Use Change permits) may require a Reclamation/Revegetation and Soil Management Plan which includes a Weed Management Plan.

A. Soil Plan to include:

1. Provisions for salvaging on-site topsoil.
2. Timetable for eliminating topsoil and aggregate piles.
3. Provision for soil cover if any disturbances or stockpiles that sit exposed for a period of 90 days or more.

B. Reclamation/Revegetation Plan to include:

1. Plant material list and seed mix. Specifically, scientific names and common names and the application rate in terms of Pure Live Seed per acre.
2. Planting schedule which includes timing, methods, mulching and provisions for watering, if applicable.
3. A map of the impacted area with a calculation of the surface area of disturbance in acres of the disturbed area, at preliminary plan.
4. A Weed Management Plan for all listed City, Garfield County and State of Colorado listed noxious weeds that are targeted for statewide eradication. The Plan will include a site specific map and weed inventory. A Weed Management Plan is required if an area 1 acre or greater is disturbed for the purposes of site construction, development or grading but not including areas serving the long- term function of the site such as building footprint, road surface or permanent parking areas.
5. A revegetation security in cash, bond or letter of credit.
6. Agricultural practices are exempt from revegetation requirements unless they are in association with a subdivision or land use proposal.

C. A financial security may be required for revegetation if, in the determination of the City, the proposed project has:

1. A potential to facilitate the spread of noxious weeds.
2. A potential to impact watershed areas.
3. A potential for visual impacts from public viewing corridors.
4. Steep slopes of 15% or greater or unstable areas.
5. Disturbs large areas of 1 acre or greater where topsoil is exposed for the purposes of site construction, development or grading but does not comprise the long term functioning of the site (i.e. building footprint, road surface or permanent parking areas).

D. The revegetation security will be in an amount to be recommended by the City that will be site-specific and based on the amount of disturbance.

1. The security shall be held by the City until vegetation has been successfully reestablished, in any specific land use action, according to the Reclamation Standards.
2. The City will designate a member of its staff to evaluate the reclamation prior to the release of the security.

E. If a property owner fails to comply with his/her approved Reclamation/Revegetation and Soil Management Plan, the provisions of the County's adopted land use and development code in regard to enforcement may be in effect.

4.08 Reclamation Standards

Areas disturbed during development shall be restored as natural-appearing landforms that blend in with adjacent undisturbed topography within 90 days of completion of construction unless an alternative timeframe is approved by the Vegetation Manager.

A. Site Stability. The reclaimed areas shall be stable and exhibit none of the following:

1. Large rills or gullies.
2. Perceptible soil movement or head-cutting in drainages.
3. Slope instability on or adjacent to the reclaimed area.
4. Slopes shall be stabilized using appropriate reshaping and earthwork measures, including proper placement of soils and other materials.

B. Soil management. Topsoil management shall be salvaged from areas to be disturbed and managed for later use in reclamation.

C. Erosion Prevention. The surface area disturbed at any one time during the development of a project shall be kept to the minimum necessary and the disturbed areas reclaimed within 90 days to prevent unnecessary or undue degradation resulting from erosion.

1. The soil surface must be stable and have adequate surface roughness to reduce run-off, capture rainfall and snow melt, and allow for revegetation.
2. Application of certified noxious weed-free mulch or erosion netting may be necessary to reduce soil movement, retain soil moisture and promote revegetation.
3. Soil conservation measures, including surface manipulation, reduction in slope angle, revegetation and water management techniques shall be used.
4. Sediment retention structures or devices shall be located as close to the source of the sediment-generating activities as possible to increase their effectiveness and reduce environmental impacts.

D. Contouring and Revegetation. Abrupt transitions and linear placement on visible slopes shall be avoided. Areas disturbed by grading shall be contoured so they can be revegetated and shall be planted and have vegetation established.

1. When final landform is achieved, the surface shall be stabilized by vegetation or other means to reduce further soil erosion from wind or water, provide forage and cover, prevent fugitive dust as required by State Statute, and reduce visual impacts.
2. A uniform vegetative cover shall be established with an individual plant density of at least 70% of pre-disturbance levels within 4 growing seasons. State or county-listed noxious weeds, as well as alien annual invasive species, do not count as part of the 70% cover.
3. Application of topsoil. Topsoil will be stockpiled, placed on disturbed areas and managed for later use in reclamation. Provisions for salvaging on-site topsoil, a timetable for eliminating topsoil and aggregate piles and a plan that provides for soil cover if any disturbances or stockpiles sit exposed for a period of 90 days or more will be reviewed and accepted by the Garfield County Vegetation Manager.
4. Specific criteria for evaluating revegetation success must be site-specific and included as a part of the reclamation plan.
5. Vegetation production, species diversity and cover shall support the post- disturbance land use.
6. Areas where post-disturbance land use does not include lawns, gardens and flower beds shall approximate the surrounding undisturbed areas or be revegetated to a desired plant community with a composition of species and plant cover typical to that site.

7. The vegetation shall stabilize the site and support the planned post-disturbance land use, provide natural plant community succession and development, and be capable of renewing itself. This shall be demonstrated by:
 - a. Using certified noxious weed-free seed.
 - b. Successful on-site establishment of the species included in the planting mixture or other desirable species.
 - c. Evidence of vegetation reproduction, either spreading by rhizomatous species or seed reproduction.
 - d. Evidence of overall site stability and sustainability.
8. The revegetation plan shall provide for the greatest probability of success in plant establishment and vegetation development by considering environmental factors such as seasonal patterns of precipitation, temperature and wind, soil texture and fertility, slope stability and direction of slope faces.
9. To ensure the establishment of a diverse and long-lasting vegetative cover, the permittee shall employ appropriate techniques of site preparation and protection.
10. Species diversity should be selected for long-term land uses and provide for a reduction in visual contrast.
11. Where vegetation is to be used, a diversity of vegetation species shall be used to establish a resilient, self-perpetuating ecosystem capable of supporting the post-disturbance land use.
12. Species planted should include those that will provide quick soil stabilization, litter and nutrients for soil building and are self-renewing.
13. Integrated weed management methods shall be employed for all noxious weed species on the Garfield County List. Weed management methods shall be used whenever the infestation of the reclaimed area by noxious weeds threaten nearby areas.
14. Where revegetation is impractical or inconsistent with the surrounding undisturbed areas, other forms of surface stabilization shall be used.

4.09 Mapping and Inventory

- A. The City will establish and maintain visual maps of past and present infestations of noxious weeds on City land. This will provide a graphic representation of weed management progress and needs.
- B. The primary goal of mapping will be to record the noxious weed species present, areas infested, density of infestations and other site factors pertinent to successfully managing the infestation.
- C. Mapping priorities will be List A species, List B species designated for eradication and support for future grant-funded projects.
- D. The Mt. Sopris Conservation District has provided mapping for parts of the City including South Canyon. They will provide more mapping as requested and feasible.

SECTION V - ENFORCEMENT

The control of noxious weeds is the responsibility of the subject property's owner or occupant. The City of Glenwood Springs, Garfield County Weed Management and the Garfield County CSU Extension Office are available to provide technical assistance.

Enforcement of the City of Glenwood Springs Weed Management Plan is authorized by the Colorado Noxious Weed Act (the Act), C.R.S 35-5.5-101.1, *et seq.* The Act directs local governments to take the necessary steps to manage noxious weeds in their jurisdiction, and provides specific authorization for local enforcement of duly adopted Weed Management Plans. The City will manage noxious weeds identified in the City of Glenwood Springs Weed Management Plan and the Act in accordance with the following procedures:

5.01 Compliance: Private Lands - Removal of noxious weeds

A. *Management of noxious weeds required.* It shall be unlawful for any owner or occupant of any lot, block or parcel of ground within the City, or for any agent in charge of such property, to **cultivate** noxious weeds, allow noxious weeds to **grow uncontrolled** on, or allow noxious weeds to **spread** beyond said property. List **A** noxious weeds must be removed from said property.

B. Failure to Comply. In the event the landowner or occupant fails to comply with managing noxious weeds, the City has the authority to impose 'Section 100.010.030 - Prohibited acts regarding littering, dumping, weed control and property maintenance standards' of the City's Municipal Code following the process outlined in 'Section 100.010.050 - Abatement of nuisances'.

5.02 Compliance: Public Lands

A. The City of Glenwood Springs shall adopt a noxious weed management plan pursuant to C.R.S. 35-5.5-106 for all lands within its jurisdiction.

1. The City will adopt and provide for the enforcement of such ordinances, resolutions, rules and other regulations as necessary to enforce such a plan.
2. Any city agent, delegate, employee, staff or contractor applying or recommending the use of chemical management methods using restricted chemicals in the administration of the Weed Management Plan shall be certified by the Colorado Department of Agriculture.
3. The City may cooperate with counties and other municipalities to exercise any and all powers and authorities granted by the Act by entering into intergovernmental agreements.

5.03 City Rights-of-Way

The City of Glenwood Springs must confirm that all City owned public roads, highways, rights-of-way, and any easements pertaining to these, under the jurisdiction of these entities, are in compliance with C.R.S. 35-5.5-112, and any violations of the Act shall be the financial responsibility of the City of Glenwood Springs.

SECTION VI - PLAN EVALUATION

6.01 Plan Evaluation

- A. The goals and plan of work in the City of Glenwood Springs Noxious Weed Management Plan will be reviewed and evaluated annually at a Parks and Recreation Advisory Committee meeting. Any proposed additions or changes shall be recommended by the Parks and Recreation Advisory Committee and approved by ordinance by the City before becoming final.
- B. The City of Glenwood Springs Weed Management Plan shall be reviewed by the City at least every 3 years (C.R.S. 35-5.5-107(4)(a)). The management plan and any recommended amendments to the plan shall be transmitted to the City for approval, modification or rejection.

APPENDIX A

Link to Fact Sheets:

<https://www.colorado.gov/pacific/agconservation/noxious-weed-species>

Fact Sheets include Identification and Management recommendations.



City of Glenwood Springs Noxious Weed Plan



What are Noxious Weeds

- An alien plant or parts of an alien plant that has been designated as being invasive and undesirable and has been declared a noxious weed by the State of Colorado and the Garfield County Weed Advisory Board and meets one or more of the following criteria:
 1. Aggressively invades or is physically destructive to economic crops or native plant communities.
 2. Detrimental directly or indirectly to the environmentally sound management of natural or agricultural ecosystems.
 3. Poisonous to livestock.
 4. Carrier of detrimental insects, diseases or parasites

What is the Purpose of a Noxious Weed Plan

- The purpose of the Plan is to provide guidelines for managing designated noxious weeds which represent a threat to the continued economic, environmental and agricultural value of lands in the City of Glenwood Springs. This plan provides for the implementation of the Colorado Noxious Weed Act by detailing integrated management options for designated noxious weeds. Options include education, preventive measures, good stewardship, Purge the Spurge/Sock the Rocket campaigns and control techniques.
- The intent is to incorporate those options that are the least environmentally damaging and are practical, timely and economically feasible. It is the responsibility of all landowners to use integrated methods to manage noxious weeds, and the responsibility of local governing bodies to ensure that these plants are managed on public and private lands.

Why have a Noxious Weed Plan

- To protect our native species, wildlife, tourism and agriculture
- To assist with fire mitigation
- To cooperate with other Jurisdictions including Garfield County, Mt. Sopris Conservation District, COGS River Commission, etc.
- Required by State Law
 - The Colorado Weed Management Act (C.R.S. 35-5.5-101) was signed into state law in 1990 and last amended in 2014. Now known as the Colorado Noxious Weed Act.
 - It states that noxious weeds pose a threat to the natural resources of Colorado and municipalities shall adopt a weed management plan for all lands within their boundaries. The county and municipalities may cooperate, through an intergovernmental agreement, for the powers and authorities of the act.

About the proposed Plan

- Modeled after Garfield County Plan
 - Plant lists are identical, however, the City may add plants to the list
 - Garfield County's list of noxious weeds is taken from the State's larger weed list with the exception of Curly Dock which is not on the State list. Curly dock is a problem for our Agriculture communities
- Emphasis on control and management of noxious weeds
- Emphasis on education – goal is voluntary compliance
- Includes eradication of List A plants – addendum to existing Nuisance Abatement Ordinance

What is List A



- Weeds are categorized as List A, B or C
 - List A - rare noxious weed species that are subject to eradication, as a matter of law, wherever they are detected in the State
 - List B - species that have differing distributions throughout the State. Specified populations of B list species are subject to eradication, containment, or suppression
 - List C - weed species that are widespread and well-established, for which the State recommends but does not require control, although Glenwood Springs's Weed Management Plan may require control

Examples of Noxious Weeds in GWS

- Myrtle Spurge/*Euphorbia myrsinites* List A
- Cypress spurge/*Euphorbia cyparissias* List A
- Dames Rocket/*Hesperis matronalis* List B
- Canada thistle/*Cirsium arvense* List C
- Chicory/*Cichorium intybus* List C



Educational Information

- Garfield County Extension Colorado Master Gardeners will provide education to the general public on both the plan and how to eradicate, control and/or manage noxious weeds
- Colorado Master Gardeners would request a public meeting place free of charge to provide this training
- Garfield County Vegetation Management provides educational programs on noxious weeds as well as training on use of herbicides
- Colorado Department of Agriculture provides information on Noxious Weeds and recommendations for control/management

Questions?

- Resources

- Garfield County Vegetation Management
- Garfield County Extension/Colorado Master Gardeners
- <http://www.Colorado.gov> - Title 35, Article 5.5, **Colorado Noxious Weed Act**, Sections 35-5.5-104.5 to 35-5.5-118
- <https://www.colorado.gov/pacific/agconservation/noxious-weed-species>

Tom Jankovsky
District 1

John Martin, Chair
District 2

Mike Samson, Chair Pro Tem
District 3



December 20, 2018

Glenwood Springs City Council
101 West 8th St.
Glenwood Springs, CO 81601

RE: Garfield County Supports the Adoption of the Glenwood Springs Noxious Weed Management Plan

Dear Council Members,

On behalf of the Garfield County Commissioners, I am writing in support of the Noxious Weed Management Plan for Glenwood Springs that will be on the Council's January 3, 2019 agenda.

As you know, Glenwood Springs resident Deb Martin represents the City on the County Weed Advisory Board and has worked with your city staff to put together this plan.

The Glenwood Springs Parks & Recreation staff have been good caretakers of city property in their weed management efforts. They have been great partners with Garfield County and the Mount Sopris Conservation on many weed management and stewardship projects over the years.

The adoption of a city-wide weed management plan will complement these accomplishments.

We are appreciative of the City's consideration of this plan and look forward to continued collaboration as we all work together to minimize the impacts of noxious weeds on our native ecosystems and surrounding agricultural lands.

Sincerely,

John Martin, Chairman
Board of County Commissioners

December 31, 2018

City of Glenwood Springs
Glenwood Springs, CO 81601

Dear Council Members,

The Mount Sopris Conservation District is in full support of the proposed Noxious Weed Plan for the City of Glenwood Springs. The Conservation District works year-long on noxious weed control in cooperation with Garfield County Vegetation Management to offer free on-site mapping of noxious weeds and educational workshops through the year. We also partner with the Garfield County Commissioners to provide a cost sharing financial assistance program to landowners for controlling noxious weeds.

Mount Sopris Conservation District's Long-Range Plan has similar objectives and goals as stated in the Noxious Weed Plan for the City of Glenwood Springs including: education, cooperation, prevention and detection, and treatment.

The City of Glenwood Springs has taken advantage of the program through mapping of South Canyon and cost-share reimbursement. It's been a pleasure through the years to work with Al Laurette with the City.

Caring for our environment, agricultural and city lands through good stewardship are our shared goals. The Mount Sopris Conservation District supervisors would like to commend the City of Glenwood Springs in the first step to adopting the Noxious Weed Plan.

Sincerely,

Jeff Nieslanik, President
Mount Sopris Conservation District

Jeff Nieslanik, President; Sandy Jackson, V-President;
Robert Burry, Secretary / Treasurer, Mike Wilde & Cassie Cerise, Board Members
Dennis Davidson, IWM Specialist & Jonathan Rose, Conservation Technician
Sharie Prow, District Manager



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Tourism Board Presentation and Request for Funding

Action Requested: Approval of Request for \$200,000 from the Tourism Promotion Fund Reserves

Department: Economic and Community Development

Presented By: Jennifer Ooton, Assistant City Manager
Lisa Langer

Background Info: Visit Glenwood 2018 in Review and 2019 Marketing Plan.

Issues: None.

Staff Recommendation: Approve request for funding from Tourism Promotion fund reserves.



Visit Glenwood Springs aka Tourism Promotion Board and Staff

2018 in Review: January 3rd City Council Presentation Outline

Mission: *To promote regional activities, attractions & events to increase tourism spending in Glenwood Springs.*

Local economy: Who is benefiting from Tourism? Hotels, Attractions, Restaurants, Shops, the Entire Community!

Economic impact in numbers: Correlation between sales tax and lodging tax

Tourism promotion efforts:

- 92.5% of the lodging tax collections (receipts) from September-August = Actual budget of following year
- Budget Breakdown by season
- Budget Breakdown by types of advertising

Advertising Examples

Videos, Train Wraps, official vacation planners, website, CTO co-ops

Conclusion

This is how the tourism department of the Glenwood Springs Chamber Resort Association fulfills the City Contract to *promote regional activities, attractions & events to increase tourism spending in Glenwood Springs* on behalf of the city of Glenwood Springs.



At the Tourism Promotion Board meeting of December 13, 2018, Suzanne Stewart made a motion to request \$200,000* from the Tourism Promotion Fund Reserves to pursue a 2019 Fall/Winter out-of-state digital marketing campaign in the Dallas, Texas market. The motion was seconded by Jeremy Gilley and passed unanimously. *Lisa was asked to present this request to City Council at the January 3, 2019 council meeting.*

*NOTE: This amount includes \$182,000 in media buys through XUMA Communications, \$15,000 in Google Ads and Social Media Ads and \$3,000 agency planning fee.

Glenwood Springs

2019 TEXAS MEDIA PLAN FRAMEWORK

— *January 2018*

XUMA

BACKGROUND

- Move needle for Glenwood Springs travel from Texas during shoulder season
- Dallas and Houston are both priority markets in Texas based on website traffic, Colorado tourism and historical focus for CTO marketing efforts
- Message will tout Glenwood Springs as an all seasons destination and affordable
- Paid Search and Social support will also be in market
 - Not part of this recommendation

STRATEGIC DRIVERS

Timing

- Shoulder Season
 - Fall: Mid Aug – Sep, Mid Oct – Nov
- 7-8 weeks total

Market Considerations

- Dallas

Demo

- Adults 25-54
- Travel Intenders, in-market for travel to Colorado

Budget

- \$182,000 nop

Campaign Measurement

- Website traffic

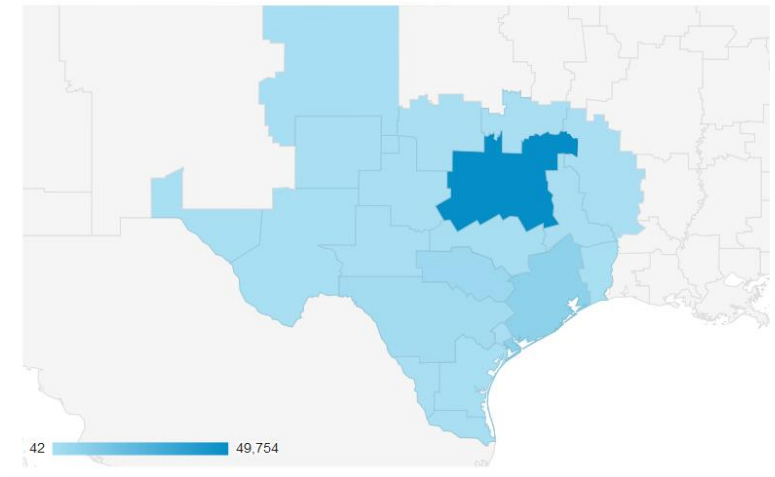
MARKET CONSIDERATIONS

XUMA

Market Considerations

WEBSITE TRAFFIC - METRO

- Over 70% of 2018 YTD TX website visits came from Dallas
 - This number grew 18% from 2016 to 2017
 - 2018 YTD visits are already at that of full year 2017
- Houston has the 2nd strongest site traffic from TX, at 13% of total visits 2018 YTD
 - Thus number has also grown at a steady rate in recent years



Metro	Sessions			
	2018 YTD	2017	2016	2017 vs 2016 Change
Dallas-Ft. Worth TX	49,754	49,790	42,126	18%
Houston TX	8,818	10,602	9,985	6%
Austin TX	4,303	5,055	4,111	23%
San Antonio TX	2,244	2,773	4,205	-34%
Waco-Temple-Bryan TX	644	821	616	33%
Amarillo TX	511	676	960	-30%
Tyler-Longview(Lufkin & Nacogdoches) TX	450	398	362	10%
Lubbock TX	437	562	408	38%
Harlingen-Weslaco-Brownsville-McAllen TX	402	288	216	33%
Odessa-Midland TX	333	299	278	8%
TOTAL All TX Metros	69,635	73,578	65,038	13%

Market Considerations

WEBSITE ENGAGEMENT - METRO

- While other Texas metros have stronger onsite engagement, Dallas-Ft. Worth is still competitive

Metro	Acquisition			Behavior		
	Sessions	% New Sessions	New Users	Bounce Rate	Pages / Session	Avg. Session Duration
Dallas-Ft. Worth TX	49,754	70.81%	35,232	60.65%	2.16	01:54
Houston TX	8,818	75.32%	6,642	52.48%	2.64	02:30
Austin TX	4,303	77.32%	3,327	53.82%	2.60	02:24
San Antonio TX	2,244	77.45%	1,738	52.63%	2.56	02:29
Waco-Temple-Bryan TX	644	80.90%	521	49.22%	2.66	02:52
Amarillo TX	511	77.10%	394	53.82%	2.72	02:22
Tyler-Longview(Lufkin & Nacogdoches) TX	450	77.78%	350	54.44%	2.75	02:45
Lubbock TX	437	76.43%	334	48.74%	3.07	03:07
Harlingen-Weslaco-Brownsville-McAllen TX	402	78.86%	317	61.44%	2.36	01:37
Odessa-Midland TX	333	82.28%	274	50.45%	2.43	02:12
TOTAL All TX Metros	69,635	72.55%	50,020	58.38%	2.30	2:05



MEDIA TACTICS

XUMA

MEDIA TACTIC STRATEGY

Partner Type	Media Tactic	Role
Online Travel Agency (OTA)	Travel Sites	Reach travel intenders as they plan/research trips
General Interest	Local Sites	Captures locals while they explore their community online
	Online Video/Audio	How video and audio consumption is shifting
	Native	Align with relevant content in organic placement
Programmatic	Behavioral/Contextual Targeting	Cost efficient, drives frequency

Media Considerations

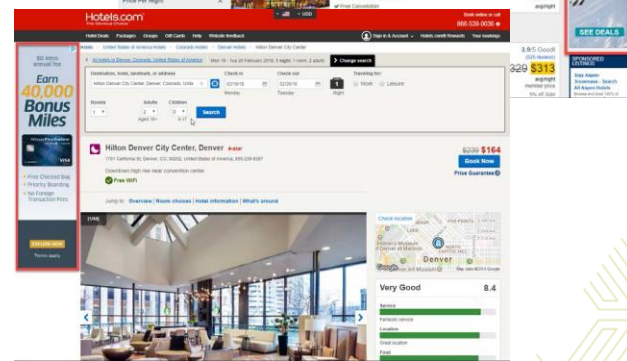
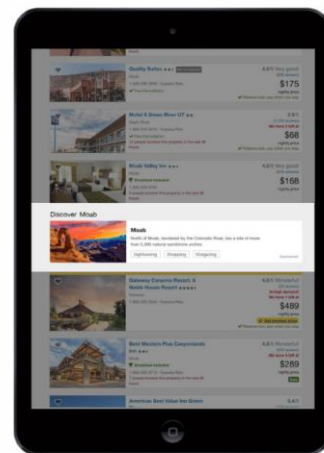
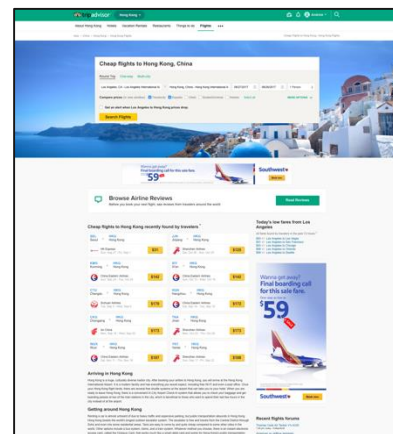
OTA

- Category alignment - captures traveler intenders during their trip planning research/purchase
- Historical strong performance on Glenwood Springs annual plan
- **Est Impressions:** 1.6MM – 1.8MM
- **Est Spend:** \$35K - \$45K

Site Considerations:



Hotels.com™



Media Considerations

LOCAL SITES

- Align digital placements with sites that are local to key markets
- **Est Impressions:** 1.4MM – 1.6MM
- **Est Spend:** \$10K - \$20K



TexasMonthly



Houstonia.

★Chron

Media Considerations

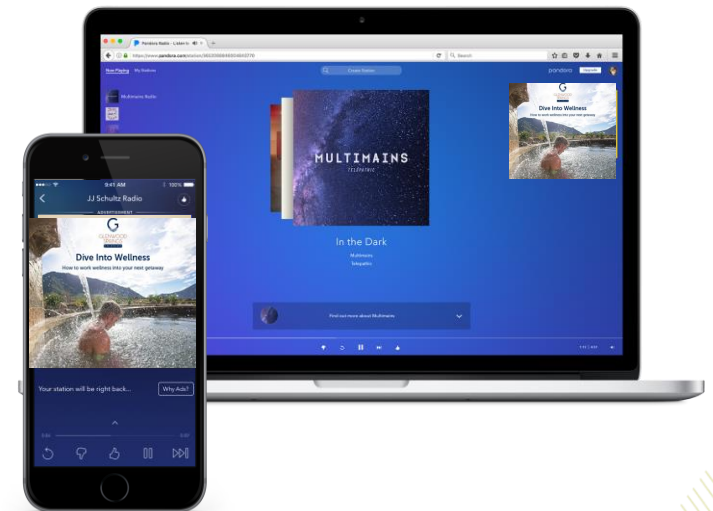
ONLINE VIDEO (:15 OR :30)

- Premium pre-roll placement across desktop, mobile and tablet
- Target Dallas travel intenders, potentially:
 - Leisure Travelers
 - Family Travelers
 - Adventure Travelers
 - Discretionary Spend on Travel
 - Interest and Affinity – Outdoors
 - Lifestyle – Outdoor Enthusiasts
 - Outdoor Enthusiasts, Leisure Travelers, Family Travel and specific interests
- **Impressions:** 1.2MM – 1.4MM
- **Est Spend:** \$20K - \$30K



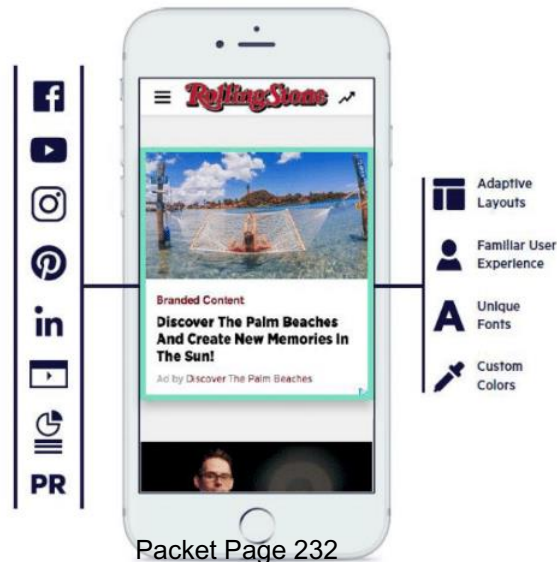
STREAMING AUDIO

- Extend reach and frequency across audio in an engaging format that reaches people throughout their day
- Ads will run across mobile, web and connected home
- **Impressions:** 1.2MM – 1.4MM
- **Est Spend:** \$20K - \$30K



NATIVE

- With heavy consumption of digital content, utilizes in-feed native ads within that environment
 - Formatted to reflect the same font, style and colors, seamlessly integrating into content
 - Native display units
-
- **Impressions:** 1.2MM – 1.4MM
 - **Est Spend:** \$15K - \$25K



PROGRAMMATIC

- Provides cost-efficient access to inventory across thousands of sites
- Allows for multiple targeting strategies, incorporating broader audiences and niche groups
 - **Behavioral targeting** – targets users based on audience segmentation that identifies key demographics, lifestyles/interests, purchase intent, etc.
 - **Contextual targeting** – places impressions on sites/pages within relevant content categories
 - **Keyword targeting** – identifies page content including relevant keywords
 - **Retargeting** – serves impressions to users who have previously visited your website
- Messaging can be tailored by audience and/or targeting strategy to enhance relevancy
- **Impressions:** 3.2MM – 3.6MM
- **Est Spend:** \$30K - \$40K

Glenwood Springs – 2019 Texas Media Plan Framework

ESTIMATED SPEND/IMPRESSION BREAKDOWN

Media Type	Estimated Spend Range	Est Impressions Range
Travel Sites	\$35K - \$45K	1.6MM – 1.8MM
Local Sites	\$10K - \$20K	1.4MM – 1.6MM
Online Video	\$20K - \$30K	1.2MM – 1.4MM
Streaming Audio	\$20K - \$30K	1.2MM – 1.4MM
Native	\$15K - \$25K	1.2MM – 1.4MM
Programmatic	\$30K - \$40K	3.2MM – 3.6MM
TOTAL	\$182K	11.0MM – 12.6MM

MEDIA RECOMMENDATION

XUMA

Glenwood Springs – 2019 Texas Media Plan Framework

MEDIA RECOMMENDATION

- Dallas only

			Aug	Sep	Oct	Nov	Dec
Media Tactic			DALLAS				
OTA	Travel Sites (1-2 sites)	Display, Native	800K-900K		800K-900K		
	1.6MM - 1.8MM Impressions						
General Interest	Local Sites (1-2 sites)	Display	700K-800K		700K-800K		
	1.4MM - 1.6MM Impressions						
	Online Video (:15/:30)	Video (:15/:30)	600K-700K		600K-700K		
	1.2MM - 1.4MM Impressions						
	Streaming Audio	Audio (:30)	600K-700K		600K-700K		
Programmatic	1.2MM - 1.4MM Impressions						
	Native	Native	600K-700K		600K-700K		
	1.2MM - 1.4MM Impressions						
	Xuma Programmatic	Display (BT, CT)	900K-1MM		900K-1MM		
	3.2MM - 3.6MM Impressions	Video (:15/:30)	700K-800K		700K-800K		

Impressions

APPENDIX

XUMA

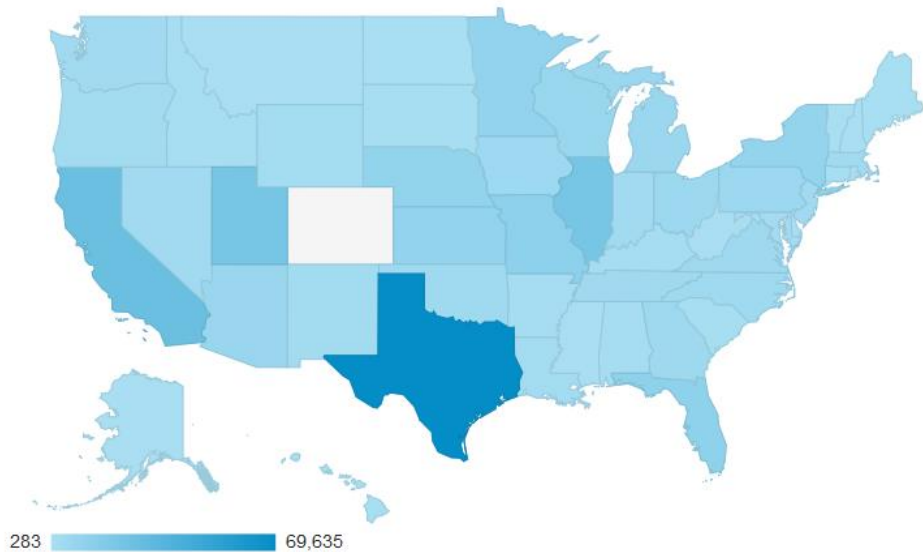
TOP MARKETS FOR COLORADO TOURISM

- Denver
- Colorado Springs–Pueblo
- Los Angeles
- New York City
- Albuquerque–Santa Fe
- Chicago*
- Dallas–Ft. Worth*
- Phoenix
- Salt Lake City
- Grand Junction
- San Francisco–Oakland-San Jose
- Houston*

*Historical focus for CTO marketing efforts

Market Considerations

TOTAL OUT-OF-STATE WEBSITE VISITS

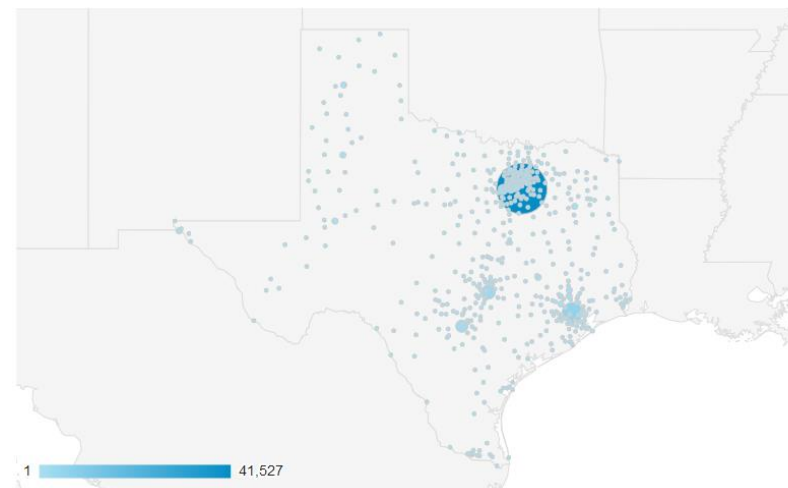


1. Dallas-Ft. Worth TX
2. Salt Lake City UT
3. Chicago IL
4. Los Angeles CA
5. New York NY
6. Minneapolis-St. Paul MN
7. Houston TX
8. Kansas City MO
9. San Francisco-Oakland-San Jose CA
10. Washington DC (Hagerstown MD)

Market Considerations

WEBSITE TRAFFIC - CITY

- 60% of 2018 YTD TX website visits came from Dallas
 - This number grew 27% from 2016 to 2017
 - 2018 YTD has already surpassed 2017 visits
- Houston has the 2nd strongest site traffic from TX, at 9% of total visits 2018 YTD
 - Thus number has also grown at a steady rate in recent years



Sessions				
City	2018 YTD	2017	2016	2017 vs 2016 Change
Dallas	41,527	39,410	30,941	27%
Houston	5,937	7,416	7,244	2%
Austin	2,928	3,639	2,872	27%
San Antonio	1,760	2,228	3,737	-40%
Fort Worth	1,497	2,017	2,534	-20%
Plano	824	1,084	1,587	-32%
Irving	709	610	555	10%
Frisco	419	527	650	-19%
The Woodlands	415	390	383	2%
Arlington	405	554	576	-4%
TOTAL All TX Cities	69,635	73,578	65,038	13%



2019 | TOURISM PROMOTION MARKETING PLAN AND BUDGET

2019 Tourism Promotion Marketing Plan
By Lisa Langer, Director of Tourism Promotion

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Note: Numbers in parenthesis correspond to related sections of the 2019 Budget



Glenwood Springs Tourism Promotion Board

Vision: Be the preferred regional tourism destination.

Mission: To promote regional activities, attractions and events to increase tourism spending in Glenwood Springs.

Executive Summary 2019

Glenwood Springs is built on tourism. From the foresight of its earliest visionaries, Isaac Cooper and Walter Devereux to the present-day Glenwood Hot Springs Pool board and Steve and Jeanne Beckley, this community has grown from a mecca for the well-off to an international destination.

The most accurate indicator of how tourism has benefitted Glenwood Springs is its accommodations tax. This pass-through tax of room nights within the city limits was established in 1985 by support of the lodges within the city limits and a vote of the citizenry. ***Its purpose is to promote Glenwood Springs as a visitor destination for the economic benefit of the community.*** In 2000, this tax was increased from 1.5% to 2.5% and no longer sunsets. As of July 2018, the Glenwood Springs lodging tax receipts have increased 6.86% cumulatively over 2017's figures. Although Glenwood Springs has seen a steady increase in tax receipts, it is important to note that many competing visitor-focused communities in Colorado are actively seeking to increase their tourism marketing budgets with initiatives on November 2018 ballots. If even some of these communities are successful, Glenwood Springs will be "left in the dust" in terms of competitive advantage.

The Tourism Promotion Fund, with oversight by the City of Glenwood Springs' Tourism Promotion Board, is managed by the GSCRA's Tourism Department. The tourism department receives 92.5% of the overall tax collected from September 1 through August 31 of the year prior to budget for tourism promotion, visitor center operations and administrative overhead. A Tourism Promotion marketing plan and budget are presented to the City of Glenwood Springs annually by GSCRA tourism promotion staff.

With a staff of two, using frugal marketing tactics, the GSCRA Tourism Department has effectively extended the tourism season from March through October. It has taken more than six years to accomplish this feat. Even so, the year-round average occupancy rate is less than 65%, showing that Glenwood Springs has room to grow its midweek and off-season visitation. The tourism staff is committed to continuing this effort with its prudent management of the Tourism Promotion Fund.

The 2019 Marketing Plan

The tourism promotion budget for 2019 has been set at **\$1,019,242 (1)**. This is an increase of \$34,781 over the base budget set for 2018. It is important to note that, unlike prior years, there were no TPF reserve funds requested in the 2018 calendar budget year.

Non-Marketing/Advertising Expenses include visitor services at the 802 Grand Avenue Visitor Center. In 2018, in response to a request from the Glenwood Springs Chamber Resort Association, the Tourism Promotion Board approved an increase in Visitor Center Funding from 2015's \$100,000 to **\$115,000 (2)**. This amount remains the same for 2019 and reflects current costs incurred by the GSCRA for visitor related services and includes the tourism promotion department's office space, overhead and supplies.

Support Costs include salaries, benefits and payroll taxes for both the Director of Tourism Promotion and Tourism Promotion Project Manager. Also included in the Support Costs section are bookkeeping services, which include bi-annual audits and annual budget reviews. Support Costs represent 28.8% of the total 2019 Tourism Promotion Budget.

The Working Tourism Marketing Budget for 2019 is \$725,142 (3)

The marketing budget must be somewhat pliable within the parameters of the overall budgeted amount. If opportunities arise within the budget year, the tourism staff may request reallocations through the Tourism Promotion Board. The City Finance Department has indicated that if the overall budget is within the total budgeted amount, requests to shift dollars from one category to another is unnecessary. The following information summarizes each section of the budget and further explains proposed expenditures.

Advertising – includes: Print, Online, Out-of-Home, Radio & Television, Media Creative – Graphic Design, video production, Agency-Related Fees/Commissions and discretionary social ad/content creation. Budgeted at \$553,363 (4)

Xuma Communications is contracted to manage, create and place advertising in close communication with the Director of Tourism Promotion. Xuma will manage all aspects of the allocated advertising budget including creative, production and media costs.

I. Agency Responsibilities, Creative Development and Production Agency fees and production costs to be billed as a monthly retainer for \$10,000 per month.

- Development of overall strategic and creative approach of 2019 marketing based on marketing goals and secondary research
- Development and presentation of strategy and creative
- Develop an overall strategy for media and final media plan
- Develop tactical creative components to support media plan
 - Production of all components (to be mutually agreed upon following approval of media plan), which may include but is not limited to:

- Television
 - Out-of-Home
 - Online Video
 - Online Banners
 - Print
 - Radio
- Develop tactical creative components separate from paid media
 - Production of all components (to be mutually agreed upon following approval of plan), which may include but is not limited to:
 - Collateral (including but not limited to 2019 rack brochure)
 - Videos (including 6-30 second videos for social media)
 - Photo & Video asset building (contract with photographers/videographers for updated assets)
 - Guerilla marketing efforts
- Ensure all materials are in-line with tourism standards and Glenwood Springs goals for 2019
- General support of account, including travel, planning sessions, meetings and additional support as required by Glenwood Springs.

II. Media Strategy. Planning, Buying, Execution, Maintenance and Reporting Media costs and planning fees not to exceed \$315,000

- Development and presentation of media objectives, and strategies by target audience and seasonality. This includes a review of all media types leading to a recommended media mix and spend level recommendation to achieve agreed upon goals
- Ensure all media strategies are in line with goals
- Strategic development of media plan
- Revisions to media plan based on client input
- Presentation of final media plan
- Media negotiations of rates, positioning, placement and value-added promotional opportunities
- Develop and establish metrics and measurement goals
- Review and analyze media spend to establish success measurements and metrics
- Optimization of all media to maximize effectiveness
- Periodic reporting on all media to ensure effectiveness and make any necessary recommendations
- Ensure that all media and promotions run as ordered; all necessary make goods are received
- Update flowcharts and budget reflecting actual media, spending and achievement of goals against spend
- Media plan and mix to be mutually agreed upon by Glenwood Springs, Thayer and Xuma Communications.

III. Fee Structure

- All agency fees are payable monthly, due in full net 30 days, billed on the last day of each month.
- Agency fees will be billed at a rate of \$160/hour.
- Contract period: January 1, 2019 through December 31, 2019
- Total contract: \$435,000

Blizzard Internet Marketing is contracted to provide online marketing services to generate online traffic. Specific tasks are designed to increase ROI within the dictated monthly budget and with the Blizzard Press team, working with tourism promotion staff of Glenwood Springs Chamber Resort Association (GSCRA).

GSCRA's Tourism Promotion Department, on behalf of the City of Glenwood Springs, is contracted with Blizzard Press to pay monthly payments of \$2,250 for a total of \$27,000 to market www.VisitGlenwood.com.

Paid Search Advertising in Google Ads and YouTube is managed by Blizzard Press Marketing with an agreed upon \$2,500 monthly budget. This budget is separate from Blizzard Press fees and placed directly on the tourism promotion credit card. Blizzard will provide suggestions to maintain building quality links to the website and evaluate renewing and new online directories.

Blizzard Press researches and implements proven Search Engine Optimization & Marketing techniques. The owners work closely with partners to identify those services deemed as most critical to success and strategizes to develop services implementation. Please keep in mind that these services are based upon the availability of resources and budget and may be modified as we adapt to changes within the industry and budgetary constraints.

Service Definitions

- Consultation ~ Email/phone correspondence and training with Client, Webmaster and Vendors.
- Search Engine Optimization ~ SEO & Keyword research followed by website and content recommendations, on-page optimization, quarterly site audits including broken Link review/update, XML Sitemap review and submission to Google, Structured Data Review/Update.
- Local Search Citation monitoring with submission recommendations.
- Paid Advertising ~ Google Ads monthly maintenance including Ad copy, bid adjustments, ROI Reporting and performance analysis.
- Website Performance Analysis ~ Via Google Analytics, Search Console and Tag Manager will evaluate website traffic, behavior and conversions. Assessment of search engine appearance and performance of on-page optimization, website indexing and usability. Recommendations for increased performance will be provided.

**Public Relations
Budgeted at \$15,000 (5)**

Scope of Work

- GSCRA Tourism will choose an independent contractor to provide Media Pitching, Media hosting and Press Releases as needed.
- Contractor will work with GSCRA tourism promotion staff to meet the specifications of Glenwood Springs Public Relations' goals and objectives to complement the 2019 Tourism Marketing Plan.
- Primary goal is to encourage positive story placement about Glenwood Springs as a premier vacation destination.

Account Management: \$1000/month = \$12,000

- Pitch story ideas to key writers, editors and media who specialize in travel, tourism and hospitality industries and international news media journalists
- Target websites, blogs, magazines, newspapers, business publications, trade journals, tour/travel books/guides, television and radio
- Serve as liaison between media and the official GSCRA tourism spokesperson
- Communicate with in-state tourism industry organizations (Colorado Tourism Office, Colorado Hotel & Lodging Association, Destination Colorado, Colorado Ski Country, etc.)
- Respond to media leads provided by the Colorado Tourism Office, if Tourism Promotion Department is unavailable.
- Assist and respond to individual media seeking onsite visits, if Tourism Promotion Department is unavailable.

Press Releases: \$950 each up to 3 per year = \$2,850

- Determine appropriate topics as needed
- Research and write news release and accompany with photos and/or video

Fee Structure

- Payable monthly, due in full net 30 days, billed on the first day of each month
- Contract period: January 1, 2019 through December 31, 2019
- Total contract: \$12,000-15,000
- Time allocation based upon \$100/hour. Additional time may be allocated depending upon the level of representation desired.
- Additional Expenses: GSCRA's tourism promotion department will assume cost of additional graphic design, production, printing, website modifications, travel, promotional gifts, media lodging and entertainment, CTO media reception costs, and cost of PR platform subscription separately.

**Vacation Planner Printing and Distribution
Budgeted at \$30,600 (6)**

Glenwood Springs' tourism promotion produces a 32-page full color vacation and group planner for distribution and direct mail. In 2019, Xuma Communications will produce the piece. The printed piece is shipped and distributed as follows:

- Brochure Express – Montrose, Delta, Grand Junction

- Colorado Activities Center – I-70, Hwys. 285 & 24, Summit County, N. & S. Front Range & DIA
- Certified Folder & Display – GJ, Durango, NE. CO Super Cities + web ads
- Vail Distribution – Eagle Airport plus 72 locations in Vail, Avon & Beaver Crk.
- Visit Denver – Distribution in Denver Visitor Center (this service is part of membership with Denver Metro Convention & Visitors Bureau).

**Hosting (Website, Video, Photos, Domains, Email, Booking Engine, etc.)
Budgeted at \$36,779 (7)**

- CrowdRiff social media photo aggregator, annual online hosting/management of photo and video library
- Website Hosting and support
- Website Monitoring monthly service
- Email for website leads through Sendgrid
- Domain Renewals & Hosting through GoDaddy.com
- Jack Rabbit annual fee for hosting and service of lodging & attractions direct booking through VisitGlenwood.com
- Constant Contact online program for email marketing/e-newsletters

Internet Management Budgeted at \$15,000 (8)

In 2018, www.visitglenwood.com was redesigned and moved from the Drupal content management system to a “mobile-first” WordPress platform. Although, the content and continued enhancement of the new site is managed in-house, but in-depth design elements will continue to be updated through Blizzard Press. VisitGlenwood.com is a visitor-first, functional repository and planning website for Glenwood Springs visitor content. In 2019, we will not only be adding content, but also Google API’s. Blizzard Press will continue to consult on website usability and search engine optimization through 2019.

Direct Mail and Fulfillment Budgeted at \$7,500 (9)

Although there is an increase of vacation/group planning through internet and downloading of online brochures, many trip planners still like to have a hard copy of a destination’s brochure before visiting. This area of the 2019 budget addresses the direct fulfillment of such visitor requests. Most of the individual mailing leads are forwarded to Bulk Mail Pros, but requests are also handled in-house by visitor center staff. Tourism Promotion staff ships cases of vacation and group planners to welcome centers across Colorado and to group tour operators both domestic and international. Brochures are also provided to many groups and meetings participants who visit Glenwood Springs.

**Trade Shows / Industry Specific Organizations & Education
Budgeted at \$9,225 (10) and \$7,175 (11) respectively**

Trade Show representation and supplies:

- International Sportsman’s Expo (Denver – Colorado Convention Center)
- AAA Vacations Showcase (Denver - Mile High Stadium)
- Travel & Adventure Show (or other related industry trade show)
- Presentation and promotional items for shows, groups and media events

Industry Specific Organizations & Education:

- Rocky Mountain Lodging (RML) – monthly Colorado occupancy reports
- DMAWest – annual dues
- Colorado Association of Destination Marketing Organizations (CADMO)
- Colorado Tourism Conference – registration for two
- Denver Metro Convention and Visitors Bureau (DMCVB)
- Travel Industry Alliance of Colorado (TIAC) – dues + legislative reception sponsorship
- Training specific to digital/social marketing
- Other workshops or conferences specific to tourism promotion

Group and International Marketing / Miscellaneous Budgeted at \$24,950 (12) and \$2,250 (13) respectively

Group and International Marketing:

- Go West Summit – attendance at the western states' marketplace for international tours/travelers
- CTO Familiarization Tours (FAMs) – hosting of tour operators and media
- IPW (International Sales Summit) – partner booth with Colorado Tourism Office - this is the largest international marketplace in the United States.
- Tour Colorado – co-op partnership for ABA and NTA (domestic group travel summits)
- CTO Sales Missions/Brochure Distribution – there are multiple opportunities to promote Glenwood Springs through partnerships with CTO international promotions committee.

Miscellaneous costs include tourism marketing meetings and luncheons held by tourism department staff and office equipment/supplies not covered by GSCRA.

Travel for Shows / Conferences / Meetings Budgeted at \$18,300 (14)

Included in this area are the following expenses/reimbursements:

- Transportation - Air, Train, Bus
- Cell Phone reimbursement - partial monthly reimbursement for Director of Tourism Promotion and Tourism Promotion Project Manager
- Lodging – overnight stays for meetings, conferences, sales missions, etc.
- Meals – while on tourism business, meetings, conferences, sales missions
- Mileage – reimbursement for tourism-related travel
- Other Travel – related fees including parking, tips, shuttles, cabs, bag fees, etc.

Consultants Budgeted at \$5,000 (15)

Professional speakers may be contracted to educate and exhilarate frontline staff members and managers of Glenwood Springs hospitality partners. Other costs in this area may include professional facilitation for tourism promotion board strategic planning or other consultant related expenses, including legal fees when necessary.

The Partners and History of Glenwood Springs Tourism Promotion

Vision

Be the preferred regional tourism destination.

Mission

To promote regional activities, attractions & events to increase tourism spending in Glenwood Springs.

Vision & Mission Statements identified at Strategic Planning Retreat Nov. 2010

History of Glenwood Springs Tourism Promotion

Tourism Promotion Fund creation in 1985

The Tourism Promotion Fund was created by a Chamber-led initiative and approved by Glenwood Springs voters in 1985, to allow for an accommodations tax to be collected by lodges (and paid by consumers) to create a reliable, sustainable and appropriate funding mechanism for continued marketing of the primary industry in Glenwood Springs. Since that “bed tax” was instituted, the Chamber Resort Association has sought and gained voter approvals twice to not only renew the tax, but to increase it to its current level of 2.5% and to remove the sunset clause (approved 2000).

Initially this fund was administered through the City of Glenwood Springs government through a council appointed tourism commission. The commission hired an advertising agency, and the Chamber responded to visitor information requests and information, events for visitors, and public relations functions such as hosting travel writers. Another organization called Central Reservations dealt with hotel reservations. The process was fragmented and inefficient, and a more streamlined approach was undertaken in 1988.

Chamber Resort Association formed in 1988

The Glenwood Springs Chamber Resort Association (GSCRA) was incorporated in 1988 and formed by a merge with the City of Glenwood Springs tourism commission, Central Reservations and the Glenwood Springs Chamber. Since that time, the GSCRA has managed the accommodations tax-based tourism promotion fund and executed its annual tourism marketing plan and related budget. The GSCRA was formed with the input and vision of the mayor, city manager, chamber leadership, hotels, and activities businesses in the community as an economic development initiative. Community leaders recognized that tourism was the main industry in Glenwood Springs and that there should be continuous investment to sustain and grow annual tourism business.

The purpose of the Resort Association was to accomplish the following:

1. Organize area vacation products and services into one-stop-shopping for guests.
2. Combine community promotion and sales efforts for greater efficiency and more return on investment.
3. Create a broader funding base to generate more money for tourism promotion.
4. Insure the stability of funding through the creation of a mandatory funding structure.
5. Allocate these funds by a single budgetary process to maximize the return to area businesses.

Tourism Promotion Board Roles

The Glenwood Springs Tourism Promotion Board is a committee of the City of Glenwood Springs Municipal Government, tasked to govern the Tourism Promotion Fund (TPF). In accordance with Resolution 2012-28, the TPF is derived from a 92.5% portion of accommodations tax receipts from September 1 through August 31 of the year prior to budget. Under current city legislation, the total collected accommodations tax funds are to be appropriated with 92.5 percent toward destination marketing services and programs and 7.5 percent toward support of tourism-related events as determined by the city council. The resolution also requires a marketing reserve fund balance at a desired level of 15 percent of prior year's collections (September 1 through August 31). As a committee of the City of Glenwood Springs, the Tourism Promotion Board must follow open meetings laws in noticing meetings with more than two members in attendance.

The Tourism Promotion Board determines policy, reviews the budget and expenditures, sets goals and establishes the overall focus to maximize return on investments with Glenwood Springs' tourism marketing dollars. Accountability, oversight and override authority is provided by the Glenwood Springs City Council. The over-arching goal of the Glenwood Springs Tourism Promotion Board and its role in the stewardship of the Tourism Promotion Fund is to grow tourism business for Glenwood Springs.

The nine-member Glenwood Springs Tourism Promotion Board is comprised of community and tourism stakeholders, appointed by the City of Glenwood Springs Council. Each Board member serves a three-year term. The Board generally meets the second Thursday of each month from 2:00 PM to 3:00 PM at Glenwood Springs City Hall. As the selected organization for the destination marketing contract, GSCRA is required to have a presence at each monthly meeting and other meetings as necessary. In close collaboration with the Tourism Promotion Board, the GSCRA Tourism Department develops, executes and reports on the annual marketing plan and budget and is accountable to the Glenwood Springs Tourism Promotion Board and City Council.

2019 Tourism Promotion Board members/affiliations

- Trent Blizzard, Chair ~ Blizzard Press – *GSCRA Board Representative*
- Krissy Clary, Vice Chair ~ Colorado Ranch House – *Restaurant*
- Nancy Heard, Treasurer ~ Glenwood Caverns Adventure Park – *Tourism*
- Scott Dyer ~ Best Western Antlers – *Lodging*
- Troy Hawks ~ Sunlight Mountain Resort – *Citizen/Resident*
- Jeremy Gilley ~ The Hotel Colorado – *Lodging*
- John Goss ~ Glenwood Vaudeville Revue – *Tourism*
- Suzanne Stewart ~ *Citizen/Resident*
- Patrick Drake ~ Blue Sky Adventures – *Citizen/Resident*

Powers and Duties of the Tourism Promotion Board (GSMC 020.020.030[M]):

The powers and duties of the Tourism Promotion Board shall be:

- (1) To investigate, study and report to the City Council: a. All matters concerning tourism marketing and promotion that pertain to the benefit of Glenwood Springs and the area within the 81601-postal zip code, and b. Other matters concerning the subject of tourism marketing and promotion which may be pertinent to the benefit of the City and the area within the 81601-postal zip code.
- (2) To coordinate with City Staff, Community Organizations, Community Businesses, and other Boards and Commissions, when applicable to efficiently market and promote tourism to the benefit of Glenwood Springs and the area within the 81601-postal zip code.
- (3) To, at its discretion, and in addition to initiatives that directly market and promote features and attractions within the City and the area within the 81601-postal zip code, market and promote the geographical proximity of Glenwood Springs to other features and attractions outside of the 81601-postal zip code in ways that could reasonably be expected to benefit the City.
- (4) To establish rules of procedure and order for the Board to follow.
- (5) To review tourism marketing plans; to set tourism marketing goals, to determine the methods to accomplish and measure success in accomplishing those goals; to determine the appropriate staff and marketing contractor(s)/vendor(s) resources needed; to recommend to the City Council an annual tourism marketing budget; to recommend, to the City Council, award of contract(s) for the best candidate for contract staff and marketing contractor(s)/vendor(s), deemed necessary, based upon an approved Request for Proposal, Request for Qualification or other process; and to provide oversight of performance of contract staff and marketing vendor(s)/contractor(s) contract terms to ensure the efficient and effective implementation of the marketing goals and to report performance to City Council.
- (6) To meet with the City Council on an annual basis, or as often as requested by the City Council, to identify marketing priorities of the City.

Tourism Promotion Board: Amended by City Council January 7, 2015

- a. Two (2) representatives from tourism-related businesses located within the city;
- b. Two (2) representatives from lodging businesses located within the city;
- c. One (1) representative from restaurant or retail businesses located within city;
- d. One (1) representative from the Glenwood Springs Chamber Resort Association; and
- e. Three (3) citizens, at least two (2) who are residents of the city and that shall not have a direct financial interest in a business referenced in (a), (b) or (c) above and one (1) who is a resident that may have a financial interest in a business referenced in (a), (b) or (c) above.

Tourism Promotion Staff Roles and Responsibilities:

The Director of Tourism Promotion serves on the staff of the Glenwood Springs Chamber Resort Association. Through a collaborative approach, he/she works closely with the Glenwood Springs Tourism Promotion Board to produce and execute an annual marketing plan and corresponding budget to implement the Tourism Promotion Department and Board's strategies. Responsibilities include regular reporting on marketing initiatives, advertising placements and budget expenditures to provide transparency and board/community accountability.

The Director of Tourism Promotion:

Creates and manages the annual Tourism Promotion Fund budget and related marketing plan, with approval by the chamber and tourism promotion boards and the City Council. Manages monthly Tourism Promotion Board meetings and scheduling. Monthly payables are generated by the Director of Tourism Promotion with oversight by GSCRA's bookkeeper, tourism promotion board treasurer and the City Finance Director. Regular reporting to City Council is encouraged.

- Generates ideas for new marketing campaigns and collaborates with tourism partners to participate in promotional offering.
- Works with contracted agencies/vendors to create ads and sales collateral, place media buys and provide digital marketing strategies and solutions.
- Speaks on behalf of Glenwood Springs Tourism Promotion
- Manages the Tourism Promotion Project Manager.
- Handles day-to-day operations and decision-making including: managing public relations and overseeing website, social media and content creation; coordinating with professional group tour operators and meeting planners.
- Attends appropriate travel and tourism tradeshow, sales missions and conferences.
- Assists with management of the Glenwood Springs Visitor Center.

The Tourism Promotion Project Manager:

Serves on the staff of the Glenwood Springs Chamber Resort Association under the management of the Director of Tourism Promotion, duties include:

- Website development and content management of VisitGlenwood.com
- Social media management including Facebook, Twitter, Instagram, Google+, etc.
- Leads data management, culmination, dissemination for mail-house fulfillment
- Act as content curator for photo, video and branding assets
- Create Constant Contact template and maintain data base for email marketing
- Generate ideas/content for new e-news blasts, social and website marketing
- Monitor and report on Google Analytics & social media engagement
- Coordination of website marketing/SEO/Pay-per-click through contractor
- Attendance at monthly tourism promotion board meetings (transcribe minutes)
- Assistance for groups - responding to group and wedding leads
- Group tour and meetings follow-up (touching base after shows and/or meetings)
- Attendance at appropriate travel industry tradeshow, training and conferences

	Numbers in parenthesis correspond to related sections of 2019 Marketing Plan	2019	%CH OV '18
(1)	2019 TPF REVENUE (92.5% of accommodations tax receipts 9.1.2017-8.31.2018)	1,019,242	3.5%
(2)	NON-MARKETING/ADVERTISING EXPENSES (VC & TP Dept. Overhead)	115,000	0.0%
	2019 BUDGET FOR SUPPORT COSTS (Salaries, Taxes, Benefits, Acct.)	179,100	-1.6%
	2019 SUPPORT COSTS IN RELATION TO TOTAL TPF BUDGET	28.8%	-1.2%
(3)	2019 WORKING TOURISM MARKETING BUDGET	725,142	5.5%
(4)	Advertising (Includes Print, Online, Billboards, Radio & Television, Media Creative, Graphic Design, video production, agency-related fees & commissions) discretionary ad and content creation)	553,363	12.4%
(5)	Public Relations	15,000	-65.9%
(6)	Vacation Planner Printing/Distribution	30,600	13.5%
(7)	Hosting (Website, Video, Photos, Domains, Email, Booking Engine)	36,779	0.8%
(8)	Internet Management	15,000	50.0%
(9)	Direct Mail and Fulfillment	7,500	-34.8%
(10)	Trade Shows	9,225	18.3%
(11)	Industry Specific Organizations & Education	7,175	-21.3%
(12)	Group and International Marketing	24,950	8.0%
(13)	Miscellaneous	2,250	-10.0%
(14)	Travel for Shows / Conferences / Meetings	18,300	-2.9%
(15)	Consultants	5,000	0.0%
	2019 TOTAL TOURISM MARKETING EXPENSE	725,142	5.5%



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Review and Accept Bid for the Construction of 7th Street Streetscape Improvements

Action Requested: Approval to award 7th Street Sanitary Sewer and Pedestrian Improvements.

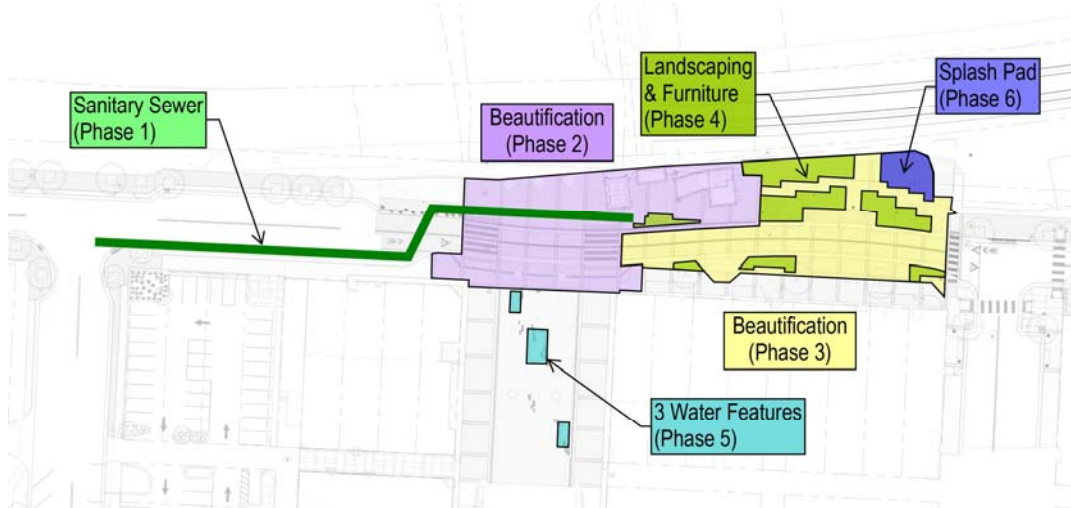
Department: Engineering

Presented By: Terri Partch, City Engineer

Background Info: Bids were received from two contractors for beautification phases 1, 2 & 3 on December 11th. Bids were below the engineer's estimate and staff needs direction on how to proceed.

Issues: Please see the attached staff report for details.

Staff Recommendation: Staff defers to Council.

Agenda Item:	7 th Street Sanitary Sewer and Pedestrian Improvements
Action Requested:	Approval to award
Presented By:	Terri Partch, City Engineer
Background Info:	The Downtown Development Authority, in conjunction with Boundaries Unlimited and Shannon Murphy, Landscape Architecture have been working on street scape, roadway and drainage improvements to the under bridge, roadway and plaza area (the area just east of the elevators on the north side of 7th to the Amtrak building). In addition, Boundaries Unlimited developed a sanitary sewer repair/replacement plan for a section of sanitary sewer that was damaged during the Grand Avenue Bridge project. Replacement of this line will ensure that surface improvements will not need to be disturbed in the near future. Bids were received from two contractors for the two beautification phases (Phase 2 and Phase 3 in the diagram below) and the sewer repair/replacement (Phase 1) on December 11th. Bids were below the engineer's estimate for the three phases that were bid.  Gould Construction was the apparent low bidder, bidding the following amounts for the three phases:

Sanitary Sewer (Phase 1): \$655,116.00	Engineer's Estimate: \$650,000
Beautification (Phase 2): \$ 876,766.40	Engineer's Estimate: \$1,475,300
Beautification (Phase 3): \$750,992.45	Engineer's Estimate: \$1,642,600

Sanitary sewer work will be paid for through Water-Wastewater Funds (\$425,000 budgeted) and DOLA grant funds (\$400,000 awarded).

Beautification phases will be paid for through rollover funds in the 2018 A&I fund plus 2019 A&I fund revenues. Total funds required from A&I: \$1,627,758.85. Approximately \$4,000,000 is currently budgeted for the project.

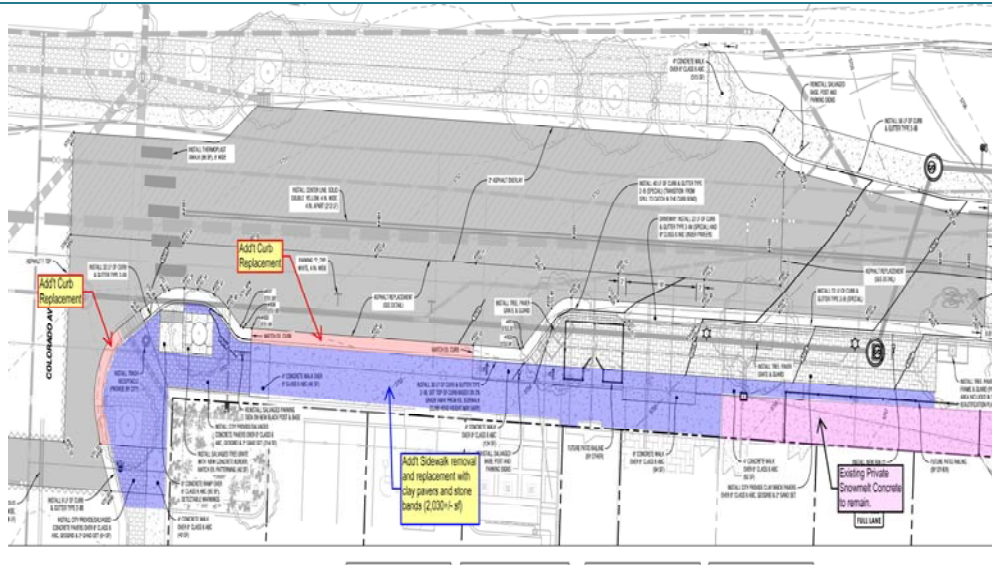
In addition, schedule alternatives to accelerate the project were bid. The baseline schedule was completion of all phases by August 29th, 2019. The schedule alternates were as follows:

1. Completion of sanitary work by May 23rd, 2019. Completion of all subsurface utility work for Beautification Phase 2 May 23rd, 2019. Completion of all surface work within the roadway for Beautification Phase 2 by May 23rd, 2019. Completion of all remaining work north of the roadway for Beautification Phase 2 by July 2nd, 2019.
2. Completion of all sanitary work and Phase 2 beautification by May 23rd.
3. Completion of all sanitary work by July 2nd, 2019. Completion of all subsurface work for Beautification Phases 2 and 3 by July 2nd. Completion of all roadway surface work for Beautification Phases 2 and 3 by July 2nd. Completion of all remaining surface work north of the road by August 29th.

Gould provided a qualified bid for Option 3. For an additional \$134,400 Gould will keep one lane of 7th Street open between July 2nd and August 29th, 2019. No other accelerated schedules were bid.

The other contractor (Johnson Construction) did not provide any bids for an accelerated schedule.

At the last DDA meeting on December 18th, the idea of an accelerated schedule was discussed. The DDA Board voted to support the idea of paying to have one lane open through the project as described in Gould's qualified bid. The DDA also requested that the clay paver/stone band streetscape that exists to the east be continued from under the bridge west to the intersection of Colorado (on the south side of the road only). BUI has estimated this work at an additional \$90,000 - \$115,000.



As stated above, approximately \$4,000,000 is currently budgeted in A&I for this project. We estimate the remaining budget balance to be as follows:

Gould Bid, Alternatives and Other Expenses:

Sanitary Sewer (Bid Sheet Line #211): \$655,116.00
 Beautification-Phs1 (Bid Sheet Line #278): \$876,766.40
 Beautification-Phs2 (Bid Sheet Line #238): \$750,992.45
 Bollards and Chains (City to Purchase): \$100,000
 Portion of Clay Pavers (DDA to Purchase): \$15,000* not included in City budget balance below
 Alternative-3D (Accelerated Schedule): \$134,400
 A/E Construction Management: \$160,000 (based on 6% of the overall construction cost including Change Order #1 below)

Total: \$2,677,275

Change Order #1: \$115,000 (Estimate \$95,000-\$115,000)

Revised Total: \$2,792,275

Remaining Budget for 7th Street Streetscape: \$1,207,725

Additional Phases yet to be funded:

Phases 4,5 and 6 above. All of these are design build elements. Conservative estimates for the work in October were roughly 1.4 M for all remaining phases. Construction management for these phases will also be needed.

Issues:

None at this time.

Action Alternatives:	1. Approve the Sanitary Sewer Phase 1, and Beautification Phases 2 and 3 without an accelerated schedule (Completion on or before August 29th, 2019). Total cost: \$2,282,874.85. 2. Approve the Sanitary Sewer Phase 1, and Beautification Phases 2 and 3 with additional access provided on 7th Street (One lane open on 7th Street between July 2nd and August 29th). Total cost: \$2,417,274 3. Approve any one of the schedules/Phases individually 4. Reject all bids and redesign or rebid
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City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Planning item 15-18 - Consideration of a Rezoning to PUD (amendment of an existing PUD), a Major Site/Architectural Plan Review, and Preliminary Plat

Action Requested: **Action 1 - Rezoning to PUD** – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Action 2 - Major Site/Architectural Plan Review – to allow for the construction of 29 multi-family residential townhome units in six buildings.

Action 3 - Preliminary Plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

Department: Economic and Community Development

Presented By: Trent Hyatt, Senior Planner

Background Info: The Planning and Zoning Commission (Commission) reviews rezoning to Planned Unit Development (PUD), or an amendment to an existing PUD in this circumstance, major site/architectural plan review, and preliminary plat applications and provides recommendations to City Council. On November 27, 2018, the Commission held a public hearing to consider the subject application and related actions. Attached for your review are copies of the Commission staff report, Commission draft minutes, reviewing agency comments, and the application submittal materials. Please refer to the Commission staff report for analysis of applicable issues and compliance with the Glenwood Springs Municipal Code (Code) not addressed herein.

Issues: Many members of the Cardiff Glen community spoke at the Commission meeting and raised issues/concerns related to the proposal's architectural compatibility with the existing neighborhood vernacular (not of Victorian/neo- traditional style, color, lack of front porches), evacuation/safety, traffic, and the potential to worsen existing parking issues. Staff was also asked many questions by the Commission related to the previous 2015 PUD amendment and associated Sixth Amendment to the Subdivision Improvement Agreement that followed in 2017.

Since the meeting, the applicant has provided a revised typical elevation and a landscaping plan (revised sheets A3.0 and L1 attached) which attempt to address some of the concerns raised by the neighbors and Commission. Mainly, the colors have been revised to lighter hues which are more similar to those currently found in Cardiff Glen. Additionally, the applicant has added shrubbery along existing streets to help buffer buildings 1,2, 5, and 6.

Staff Recommendation: **Planning and Zoning Commission Recommendation**
The Commission discussed whether alternate layouts of the property/buildings may have allowed for frontage along existing streets similar what is found in the remainder of the neighborhood. The group also encouraged the applicant to consider colors similar to those found on existing homes. Ultimately, the Commission provided the recommendations outlined below to City Council.

Action 1 - Rezoning (amendment) to PUD – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

The Commission voted unanimously 5-0 to recommend **approval** of the amendment with the following **findings**:

Recommended Findings:

1. The amendment is consistent with the City's comprehensive plan and the purpose of this Code;
2. The PUD amendment is consistent with the City's approval criteria for a rezoning;
3. The intensity of development is not expected to create significantly adverse impacts to surrounding properties or the neighborhood;
4. The amendment addresses a unique situation, provides substantial benefit to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of this Code;
5. Upon addressing staff comments outlined herein, the application will meet all applicable standards of this Code not expressly modified by the PUD application; and
6. The amendment provides residential uses and includes varied types of housing and densities.

Action 2 - Major Site/Architectural Plan Review – to allow for the construction of 29 multi- family residential townhome units in six buildings.

The Commission voted unanimously 5-0 to recommend **approval with conditions** of the major site/architectural Plan Review with the following **findings and conditions**:

Recommended Findings:

1. The site/architectural plan is consistent with the general purpose and intent of this Code;
2. The site/architectural plan is consistent with the dimensional, design, development, and all other standards of this Code;
3. Upon approval of the amendments requested, the site/architectural plan is consistent with any previously approved plat, PUD, or any other precedent land use approval; and
4. The site/architectural plan is substantially consistent with the Comprehensive Plan and other adopted City policies and plans.

Recommended Conditions:

1. The applicant shall comply with/address all staff comments prior to the issuance of a development permit and/or approval of a Construction Plans application;
2. The applicant shall increase and enhance the landscaping (with trees and shrubs) along the Culver Circle and Stockton Road to screen buildings 1, 5, and 6 and along the east property boundary of Spirit Mountain Park and Lot 96;
3. The applicant is required to return Cardiff Road/Darrow Road to the same condition as it exists today following project completion; and
4. Building 1, containing four units, shall be ADA accessible.

Action 3 - Preliminary Plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

The Commission voted unanimously 5-0 to recommend **approval** of the preliminary plat with the following **findings**:

Recommended Findings:

The creation of 29 condominium units:

1. Is consistent with the Comprehensive Plan;
2. Will comply with the applicable zoning district standards as revised by the associated PUD

amendment;

3. Will comply with the use, dimensional, design, and development standards in this PUD as hereby amended;
4. Provides a layout of lots, streets, blocks, driveways, utilities, drainage, and other public facilities and services designed to minimize the amount of disturbance to sensitive areas and/or community assets;
5. Provides evidence of public water and sewer system connections;
6. Identifies and adequately mitigates known natural hazard areas; and
7. If applicable, proposes reasonable project phasing in terms of infrastructure capacity.

Staff Recommendation

Staff concurs with the above recommendations and the revisions made by the Commission to the original findings we provided to them. Suggested motions are attached for your review and consideration.

Solstice Townhomes

Lot 95 and Lot 96 Cardiff Glen PUD

Rezoning (amendment to existing PUD) Major
Site/Architectural Review, and Preliminary Plat
Planning File #15-18

City of Glenwood Springs
Trent L. Hyatt, Senior Planner
City Council
January 3, 2019



Community Development

Current Proposal

- Lot 95 and Lot 96 Cardiff Glen PUD (PIN: 2185-272-09-027)
 - 0.90 acres and 1.60 acres zoned R/3 PUD Multi-family Residential
 - Currently vacant
- Proposed
 - Amendments to existing PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source
 - Major Site/Architectural Plan Review for the construction of 29 multi- family residential townhome units in six buildings
 - Preliminary Plat for the condominiumization of townhome units and the creation of Tract J for Spirit Mountain Park



Community Development

Existing

Lot 95 looking northeast

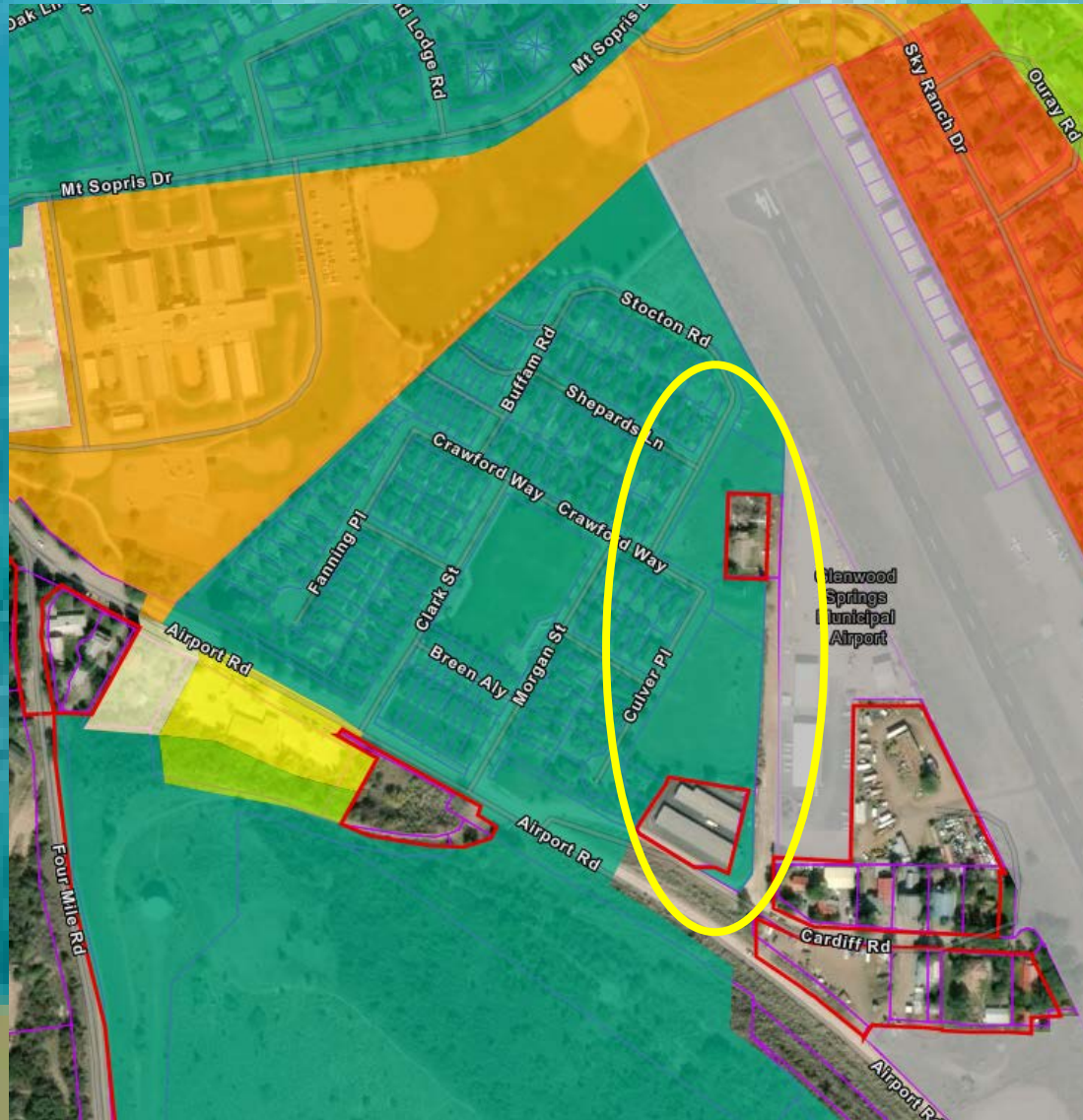


Lot 96 looking northeast



Source: Google Maps

Zoning and Adjacent Land Uses



Background

- January 1999
 - City Council approved the rezoning of approximately 21.75 acres from R/4 Residential Transitional to Planned Unit Development (PUD).
 - Emphasizes a mixed use traditional development having higher density, narrow lots, ample open space, street friendly yards, and smaller residential streets
 - Allowed of 91 single family and 126 multi-family residential units, totaling 217
 - Space originally reserved for commercial
 - 89 single family (some with accessory dwelling units) and 41 multi-family units constructed, a total of 155.
 - Additional 29 units brings the total to 184
- Construction Plans application submitted concurrently
 - Details related to final grading, utilities, lighting, landscaping, etc. are included but not required for current requests
 - Construction Plans approval still subject to the approval of these applications, and any conditions added thereto



Community Development

Rezoning/Amendment to Cardiff Glen PUD

Setbacks

- R/3 PUD outlined on page 56 (labeled 51) of the PUD

Multi-family Attached	
Front Yard	20 feet
Rear Yard	10 feet
Side Yard	10 feet per building
	15 feet on street side

- Buildings 1, 2, 5, and 6 do not adhere to these minimums
- Front/side yard setback of 10 feet requested
- 10 foot front yards observed for most existing structures within the PUD including similar multi-family townhome structures on Lot 92 also zoned R/3
- C/3 Commercial/Residential allowed a five foot front yard



Existing multi-family units along Crawford (above) and Buffan (left)



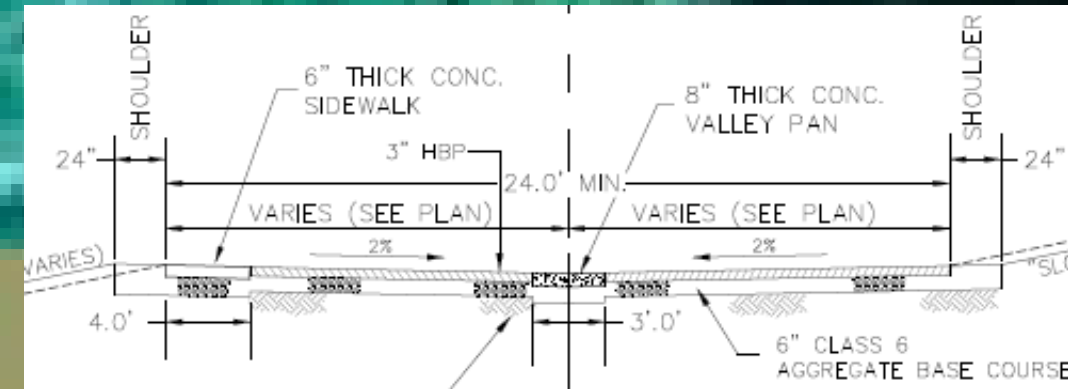
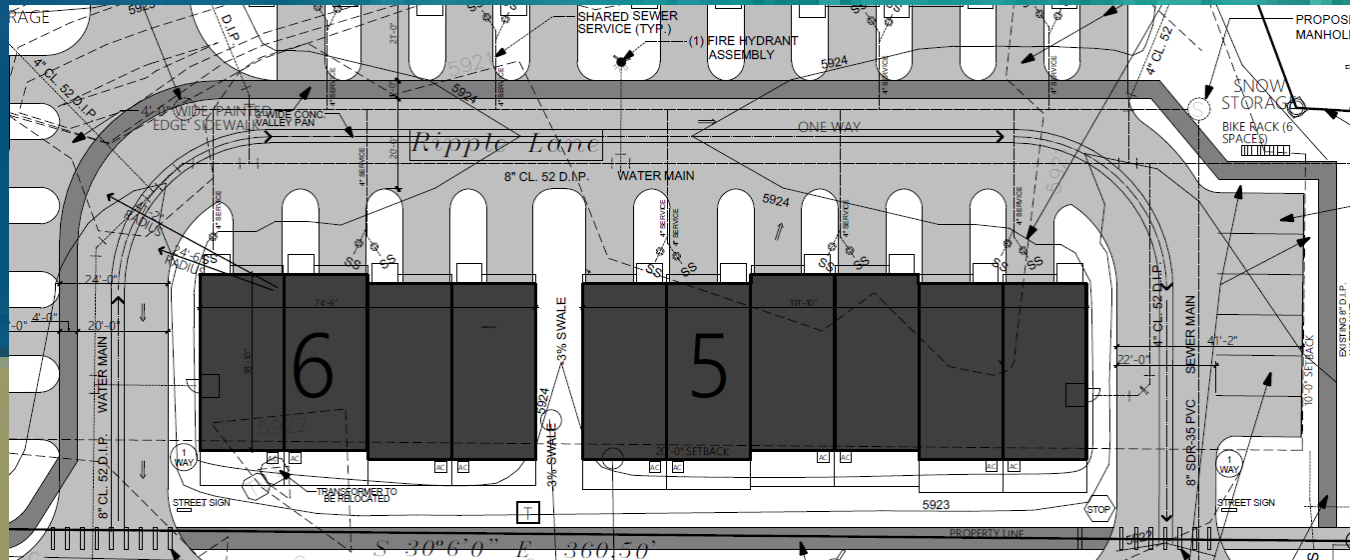
Community Development

Rezoning/Amendment to Cardiff Glen PUD

Street/Sidewalks/Landscaping Strip

Pages 12 (labeled 7) and 26 (labeled 21) call out a minimum street width of 22 feet curb to curb for local streets

- City's Engineering Standards/Fire Code Requirements
 - Accessways considered private roads which do not necessarily meet minimum design standards outlined in table 5-6
 - Fire Code regulations (and larger apparatus) requires a minimum 20 foot wide road (one way Ripple Lane) to serve buildings 2-6
 - Drake Place is 24 feet in width and allows for two way traffic
- Due to the width of Ripple Lane, a four foot wide sidewalk without a planting strip provided on one side only
- A Code/PUD-compliant sidewalk and turf grass planting strip with street trees is proposed along the exterior



Rezoning/Amendment to Cardiff Glen PUD

Sizes

- Mixed unit types are and sizes (one to three bedrooms and 440 to 1,250 square feet) outlined on page 21 (labeled 16)
- Two separate floor plans and building styles proposed but only three bedroom units/optional fourth bedroom/recreational
- PUD provides numerous housing types/sizes (multi-family, single family, and accessory dwelling units)

Irrigation

- Pages 42 (labeled 37), 63 (labeled 2), and 65 (labeled 4) restrict the use of raw water for irrigation
- Due to issues with the source of raw water system is connected to the City's municipal treated water
- Landscaping plan intends to conserve water (as requested by the City Water/Wastewater Department) by limiting turf grass



Community Development

Rezoning/Amendment to Cardiff Glen PUD

Approval Criteria (in Section 070.060.040(b)(3)f.3)

- i. Meets the approval criteria for rezonings, per 070.060.040(a)(3)f.3;
 - a. The rezoning is consistent with the City's comprehensive plan and the purpose of this Code;
 - b. The rezoning is consistent with the proposed purpose statement of the proposed zoning district;
 - c. Substantial changes in the subject area warrant a zoning change; and/or
 - d. The intensity of development in the new zoning district is not expected to create significantly adverse impacts to surrounding properties or the neighborhood.
- ii. Addresses a unique situation, provides substantial benefit to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of this Code;
- iii. Meets all applicable standards of this Code not expressly modified by the PUD application; and
- iv. If the PUD provides residential uses, includes varied types of housing and densities.



Community Development

Major Site/Architectural Plan Review

- Section 070.040 outlines the City's development standards for land use applications.
- Applicable standards are outlined in the PUD zoning document

Density

- Lot 95 is 0.90 acres as Lot 96 is 1.60 acres for a total area of approximately 2.50 acres
- Allow for 21 units and 56 respectively or 87 units collectively on the subject lots

Design

Discussed in few locations with specific standards beginning on Page 62 (labeled 1).

Summary of Development Standards/Homeowners Covenants

All buildings in Cardiff Glen will be required to be varied and articulated to provide visual interest for pedestrians. A combination of the following identifying features are encouraged:

- **Combinations of smaller masses** two story with one story elements.
- **Gabled and/or hipped roofs with cross gables**, gabled inset or hipped dormers.
- **Moderate to steep roof pitches with overhanging eaves.**
- Front entry and windows facing the street.
- Partial, full width or wrapped one story front porches.
- **Focal windows**, bay windows, door and window surrounds of human scale.
- Balconies, stoops, covered walkways, raised dooryards.
- Uniform setbacks from street for all single family areas.
- Minimum of two parking spaces for single family dwellings with alley access



Community Development

Major Site/Architectural Plan Review

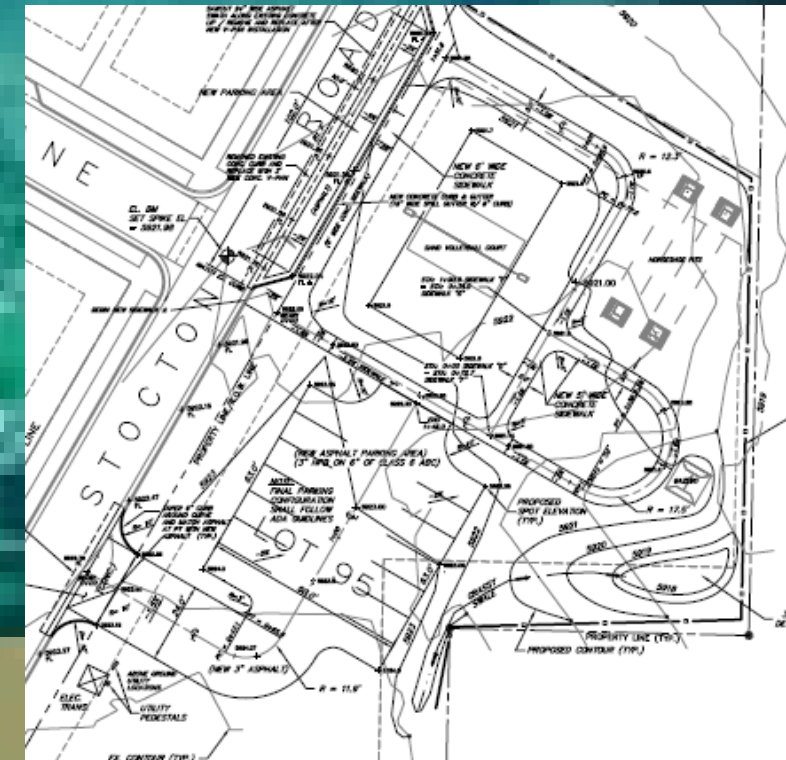
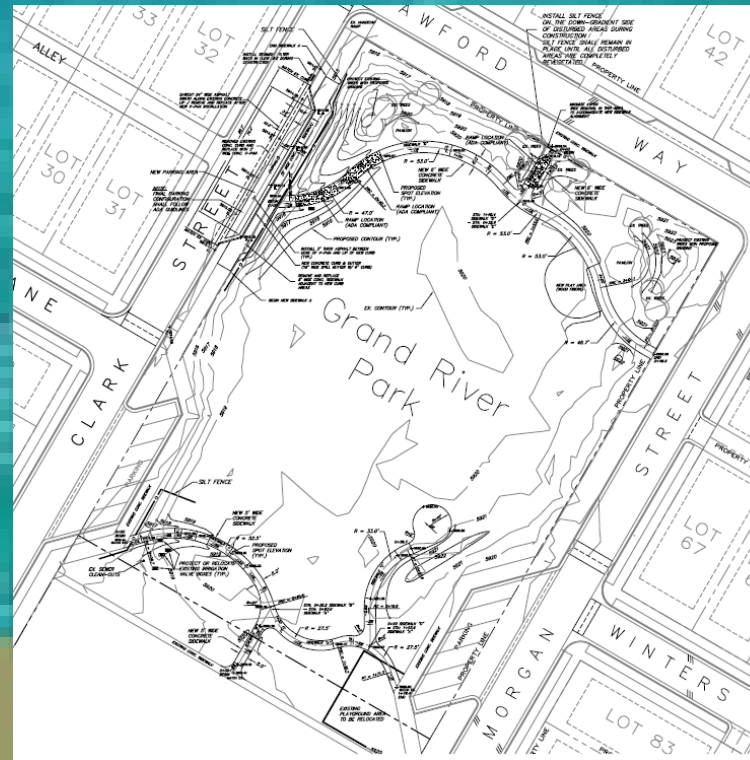
Open Space

- Development subject to the installation of certain common and active space open improvements per pages 56-57
- 2015 amendment to the PUD allowed/requires changes to the active and common space area requirements and identifies specific improvements required prior to building on Lot 95 and Lot 96
 - Spirit Mt. Park and community parking
 - revised parking and trails and gazebos at Grand River Park

Common and Active Open Space Areas

Lot 95 – Common Open Space to be 19,246 sq. ft.
Active Open Space to be 17,302 sq. ft.

Lot 96 – Common Open Space to be 21,210 sq. ft.
Active Open Space to be 7,000 sq. ft.



Community Development

Major Site/Architectural Plan Review

Approval Criteria (070.060.050(6))

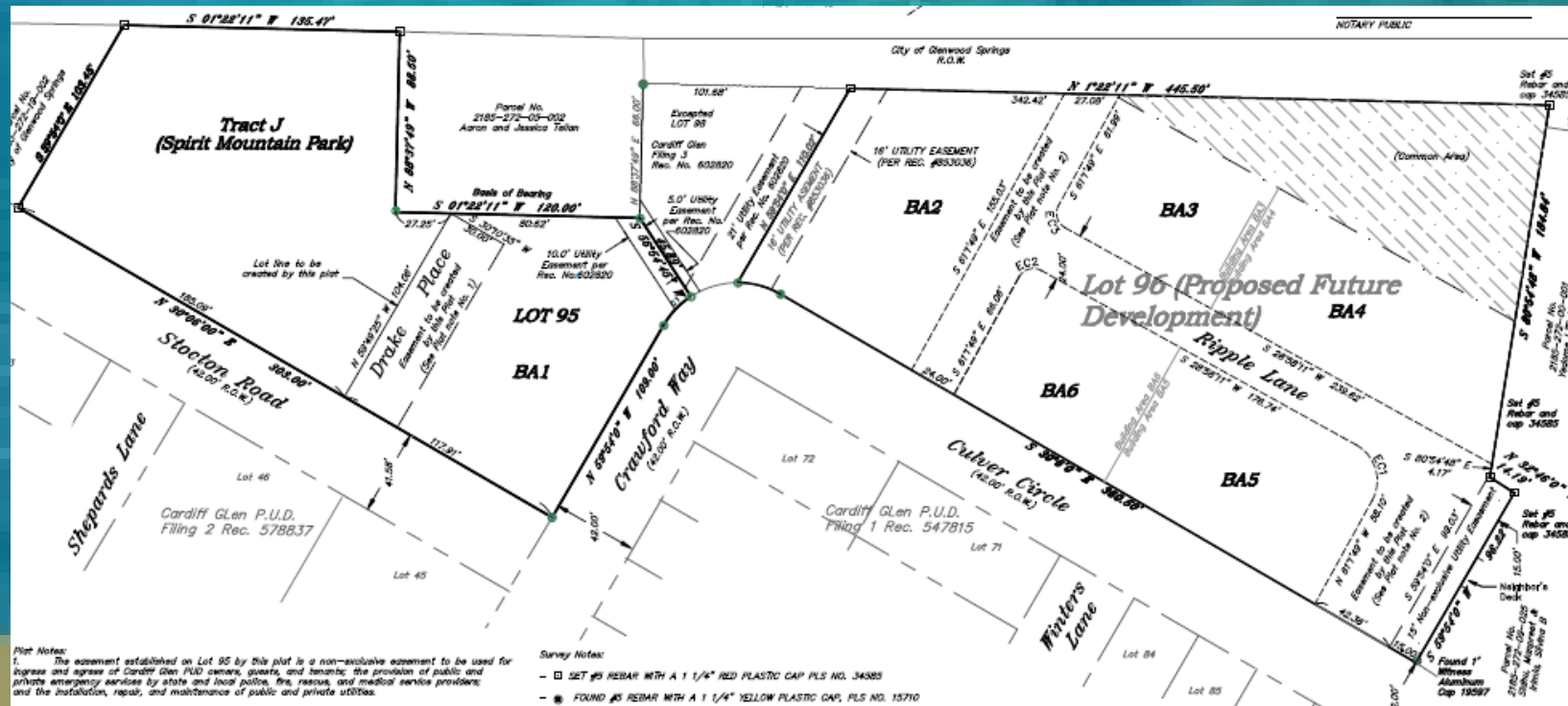
- a. The site/architectural plan is consistent with the general **purpose and intent of this Code**;
- b. The site/architectural plan is consistent with the **dimensional, design, development, and all other standards** of this Code;
- c. The site/architectural plan is consistent with any previously approved plat, **PUD**, or any other precedent land use approval; and
- d. The site/architectural plan is consistent with the **Comprehensive Plan** and other adopted City policies and plans.



Community Development

Preliminary Plat

- Identifies six future building areas
- Divides Lot 95 in Lot 95 and Tract J (Spirit Mountain Park)
- Final Plat required upon the completion of each building to condominiumize units



Community Development

Preliminary Plat

Approval Criteria (070.060.060(b)(3)f.4)

- i. Is consistent with the Comprehensive Plan;
- ii. Will comply with the applicable zoning district standards;
- iii. Will comply with the use, dimensional, design, and development standards in this Code;
- iv. Provides a layout of lots, streets, blocks, driveways, utilities, drainage, and other public facilities and services designed to minimize the amount of disturbance to sensitive areas and/or community assets;
- v. Provides evidence of public water and sewer system connections;
- vi. Identifies and adequately mitigates known natural hazard areas; and
- vii. If applicable, proposes reasonable project phasing in terms of infrastructure capacity.



Community Development

Comprehensive Plan

- Map 2.3 Future Land Use – South Portion of the City
 - Residential which is not compliant with the map designation nor description
 - Future Land Use maps not created on a parcel-by-parcel basis, many PUDs in the City allowing multi-family residential are mapped similarly
 - Is compliant with the Cardiff Glen PUD which was approved prior to the adoption of the 2011 Comp Plan
- Numerous community goals and related objectives and strategies
 - encourage economic development,
 - preserving our small town character,
 - convenient transportation,
 - infill development,
 - housing opportunities,
 - social diversity,
 - preserving natural resources



Community Development

Reviewing Agency/Adjacent Property Comments

- Engineering
 - Comments regarding infiltration rates, water quality, existing conditions, inaccuracies between plan sheets, details/specifications, grading contours, ADA requirements, utility easement requirements, etc.
- Water and Wastewater
 - Comments regarding irrigation, fire sprinklers, utility ownership, wording of construction notes, and proximity of landscaping to utilities
- Pat Collins
 - Comments outline concerns with parking, access, and snow storage
- Cardiff Glen I and Master Board of Directors
 - Received copy of letter requesting neighbors attend meeting due to the orientation of buildings, parking, and overall design
 - Received letter from HOA's attorney outlining inconsistencies with the original PUD



Community Development

Planning and Zoning Commission Recommendation

- Issues Discussed/Addressed

- Whether alternate layouts of the property/buildings may have allowed for frontage along existing streets
- Encouraged the applicant to consider colors similar to those found on existing homes
- Requested additional landscaping to buffer/screen the units along existing streets
- Required Building 1 units to be ADA accessible

- Recommendation

Voted unanimously 5-0 to recommend approval/approval with conditions of all action items to City Council



Community Development

Applicant's Response to Comments



Before and After



Community Development

Action Items 1-3

- Section 070.060.030(g)(1)d Review and Decision procedures allow:
 - Recommend approval to City Council
 - Recommend approval with conditions to City Council
 - Recommend denial; or
 - Continue the hearing
- Staff recommends approval of Action Items 1 and 3, and approval with conditions of Action Item 2 with the findings and conditions on pages 1-2 of the suggested motions attached to the staff report .



Community Development



Planning and Zoning Commission Report

Date: November 27, 2018
 To: Planning and Zoning Commission
 From: Trent L. Hyatt, Senior Planner
 Subject: #15-18 – Solstice Townhomes (Lot 95 and Lot 96 Cardiff Glen Planned Unit Development), Rezoning to PUD (amendment to existing PUD), Major Site/Architectural Plan Review, and Preliminary Plat.

REQUEST	Rezoning (amendment) to existing Cardiff Glen PUD, Major Site/Architectural Plan Review, and Preliminary Plat to allow for the construction of 29 multi-family townhome units
APPLICANT	Cardiff 96, LLC
OWNER	Cardiff 96, LLC
LOCATION	Lot 95 and Lot 96 Cardiff Glen PUD (PIN: 2185-272-09-027)
ZONE	R/3 - PUD Multi-family Residential
SURROUNDING LAND USES	North: Open space, municipal airport South: Single family residential, mini storage East: Right-of-way, municipal airport West: Single family and multi-family residential
LOT SIZE	Approximately 0.90 acres and 1.60 acres respectively

ACTION ITEM

The Planning and Zoning Commission (Commission) is the recommending body to City Council on rezoning to PUD, major site/architectural plan review, and preliminary plat applications.

Action 1 - Rezoning (amendment) to PUD – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Staff recommendation: *Staff recommends **approval** of the Rezoning/amendments to the Cardiff Glen PUD the findings on pages 11-12.*

Action 2 - Major Site/Architectural Plan Review – to allow for the construction of 29 multi-family residential townhome units in six buildings.

Staff recommendation: *Staff recommends **approval (with conditions)** of the Major Site/Architectural Plan Review with the findings and conditions on page 12.*

Action 3 - Preliminary Plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

Staff recommendation: *Staff recommends **approval** of the Preliminary Plat with the findings on page 12.*

BACKGROUND/ANALYSIS

Proposal

On January 21, 1999, City Council approved the rezoning of approximately 21.75 acres from R/4 Residential Transitional to Planned Unit Development (PUD) for the development of Cardiff Glen. The Cardiff Glen concept emphasizes a mixed use traditional development having higher density narrow lots, ample open space, street friendly yards, and smaller residential streets.

Numerous familiar zone districts are associated with the Cardiff Glen PUD including R/2 Single Family Residential, R/3 Multi-family Residential (R/3), and C/3 Commercial/Residential zones. Lot 95 and Lot 96 are zoned R/3 PUD Multi-family Residential. A copy of the ordinance adopting the Cardiff Glen PUD is attached. Specific R/3 zone districts standards are outlined beginning on page 56 of the PDF document (labeled page 51).

The original Cardiff Glen PUD approval allowed for the construction of 91 single family and 126 multi-family residential units, totaling 217. Limited space originally reserved for commercial uses was converted to residential. To date, 89 single family (some with accessory dwelling units) and 41 multi-family units have been constructed for a total of 155. An additional 29 units will bring the neighborhood total to 184. The attached plan set includes a site plan, floor plans and elevations, landscaping plans, grading and utilities plans, and other drawings for your review.

A Construction Plans application was submitted concurrently with, and is being reviewed by City Staff alongside of, the applications discussed herein. Therefore, certain details related to final grading, utilities, lighting, landscaping, etc. are included that are not necessarily required for a Rezoning to PUD, Major Site/Architectural Plan Review, and/or Preliminary Plat application. Please note, Construction Plans approval is still subject to the approval of, and any conditions added to, the current requests.

Rezoning/Amendment to the Cardiff Glen PUD

Certain amendments to the PUD are requested by the applicant and incorporated into the design of the current proposal related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Setbacks

Yard/setback requirements for multi-family attached dwelling the R/3 PUD are outlined on page 56 (labeled 51) of the PUD document as depicted below.

Multi-family Attached	
Front Yard	20 feet
Rear Yard	10 feet
Side Yard	10 feet per building
	15 feet on street side

The applicant proposes setbacks for buildings 1, 2, 5, and 6 which do not adhere to the stated minimums above. Technically, the yards in question are adjacent to the rear of these buildings (and side of building 1 along Stockton Road and building 2 along Culver Circle) as they actually front on the new accessways of Drake Place and Ripple Lane. However, staff has interpreted the front yards or increased setback as being applicable along the existing and more prominent neighborhood streets of Stockton Road, Crawford Way, and Culver Circle. Therefore, the applicant requests the front and side yard setback is reduced to 10 feet instead of 20 along the front and 15 feet along the side.

A minimum front yard of 10 feet is required/observed for most existing structures within the PUD adjacent to streets. A variance was previously granted to allow a 10 foot setbacks for similar multi-family townhome structures on Lot 92, also zoned R/3. The C/3 Commercial/Residential zone allowed for a five foot front yard. Staff believes the intent of the increased setback for the R/3 zone was to soften the impacts of larger multi-family buildings (i.e. a single apartment building containing many units). Staff has made design recommendations to the applicant that have been incorporated into the current elevations. It seems these design/architectural elements limit the mass, bulk, and scale of the elevations facing neighborhood streets.

Street/Sidewalks/Landscaping Strip

Pages 12 (labeled 7) and 26 (labeled 21) call out a minimum street width of 22 feet curb to curb for local streets within the PUD. The smaller street widths are intended to encourage slower traffic and safer pedestrian activity. The accessways proposed by the applicant function similarly to the alleys found throughout the rest of the neighborhood which and provide connections to garages and parking areas.

The City's Engineering Standards, adopted alongside the new development code, consider the accessways as private roads which do not necessarily meet minimum design standards outlined in table 5-6. However, the City Engineer has the ability to consider/accept alternative designs as is necessary to meet the needs of various developments and has approved the current concept. However, due to applicable Fire Code regulations and the City's larger apparatus, the Fire Department requires a minimum 20 foot wide access road (one way) to serve buildings 2-6 as is proposed. Ripple Lane is not 22 feet wide but should adequately serve the development and meets other applicable City standards. Drake Place is 24 feet in width, allows for two way traffic, and also provides access to the proposed community parking adjacent to Spirit Mountain Park and building 1.

Sidewalk and landscaping buffers are discussed in the PUD, however, specific widths are not. A five foot wide sidewalk adjacent to a five foot wide planting strip is provided along streets in the Cardiff Glen neighborhood. Due to the width of Ripple Lane, it is difficult to provide both of these amenities. The applicant has decided to instead provide a four foot wide sidewalk only on one side of Ripple Lane and Drake Place (although not depicted on the site plan). The reduced sidewalk/increased road width is allowed for both vehicle traffic and pedestrians. A Code/PUD-

compliant sidewalk and turf grass planting strip with street trees is proposed along existing exterior streets to maintain consistency with the neighborhood.

Unit Sizes

Mixed unit types and sizes (ranging in size from one to three bedrooms and 440 to 1,250 square feet) are discussed in the PUD on page 21 (labeled 16). Two separate floor plans and building styles are proposed by the applicant. However, only three bedroom units with an optional fourth bedroom/recreational room are provided. Staff is not sure if this standard necessarily applies to the development of each individual lot or not. The neighborhood/PUD as a whole does provide numerous housing types and size such as multi-family, single family, and accessory dwelling units.

Irrigation

Pages 42 (labeled 37), 63 (labeled 2), and 65 (labeled 4) restrict the use of raw water for irrigation of all landscaping in Cardiff Glen. Because of the past issues with the source of raw water for the development, the internal system has been connected to the City's municipal treated water instead. The proposed landscaping plan intends to conserve water (as requested by the City Water/Wastewater Department) by limiting the amount of turf grass being installed while also providing an acceptable transition from existing Cardiff Glen landscaping.

Approval Criteria

An amendment to an existing PUD not considered minor must adhere to the approval criteria outlined in Section 070.060.040(b)(3)f.3 of the *Glenwood Springs Municipal Code* (Code) and as provided in bold italics below. Other language is provided by staff.

In reviewing a proposed PUD, the Planning Commission and City Council shall consider whether and to what extent the proposed PUD:

i. Meets the approval criteria for rezonings, per 070.060.040(a)(3)f.3;

a. The rezoning is consistent with the City's comprehensive plan and the purpose of this Code;

The amendments are consistent with the PUD and many goals and objectives outlined in the City Comprehensive Plan as detailed in the staff report below. The proposed amendments do not negatively impact the goals/objectives stated therein.

b. The rezoning is consistent with the proposed purpose statement of the proposed zoning district;

The proposed amendments are consistent and/or do not negatively impact the goals and purpose of the original PUD.

c. Substantial changes in the subject area warrant a zoning change; and/or

Not applicable.

d. The intensity of development in the new zoning district is not expected to create significantly adverse impacts to surrounding properties or the neighborhood.

The proposed amendments do not increase the intensity/density of development within the PUD.

- ii. Addresses a unique situation, provides substantial benefit to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of this Code;*

The proposed amendments are reflective of differing engineering and/or Fire Code requirements; issues and experiences with the existing irrigation system; and/or market conditions which were not evident or applicable when the original PUD was approved in 1999.

- iii. Meets all applicable standards of this Code not expressly modified by the PUD application; and*

The proposed amendments are a result of the proposal having to meet more current City requirements.

- iv. If the PUD provides residential uses, includes varied types of housing and densities.*

The PUD currently provides varied housing types and densities.

Major Site/Architectural Plan Review

Section 070.040 of the Development Code outlines the development standards for land use applications. However, a vast majority of the applicable development standards are outlined in the zoning document associated with the PUD. As mentioned above, zone district standards such as allowed uses, unit types and quantities, parking, lot size, etc. for the R/3 PUD district are outlined beginning on page 56 (labeled 51) of the PUD document. Various specifications are discussed in more detail below.

Density

Lot 95 is 0.90 acres as Lot 96 is 1.60 acres for a total area of approximately 2.50 acres. This would allow for 21 units and 56 respectively or 87 units collectively on the subject lots. The number of units associated with the proposal is well under that which is permitted.

Design

Design is discussed in few locations in the PUD document, but a discussion of specific development standards begins on Page 62 (labeled 1). Below is the general outline provided therein.

Summary of Development Standards/Homeowners Covenants

All buildings in Cardiff Glen will be required to be varied and articulated to provide visual interest for pedestrians. A combination of the following identifying features are encouraged:

- Combinations of smaller masses, two story with one story elements.
- Gabled and/or hipped roofs with cross gables, gabled inset or hipped dormers.
- Moderate to steep roof pitches with overhanging eaves.
- Front entry and windows facing the street.
- Partial, full width or wrapped one story front porches.
- Focal windows, bay windows, door and window surrounds of human scale.
- Balconies, stoops, covered walkways, raised dooryards.
- Uniform setbacks from street for all single family areas.
- Minimum of two parking spaces for single family dwellings with alley access

Below is color rendering of the northwest elevation of building 6 which is adjacent to Culver Circle a prominent neighborhood street. The drawing depicts many of the features outlined and encouraged above such as smaller masses on the main level, gabled roof with shed roof dormers, steep and moderate roof pitches with overhanging eaves, windows facing the street, window surround of human scale,



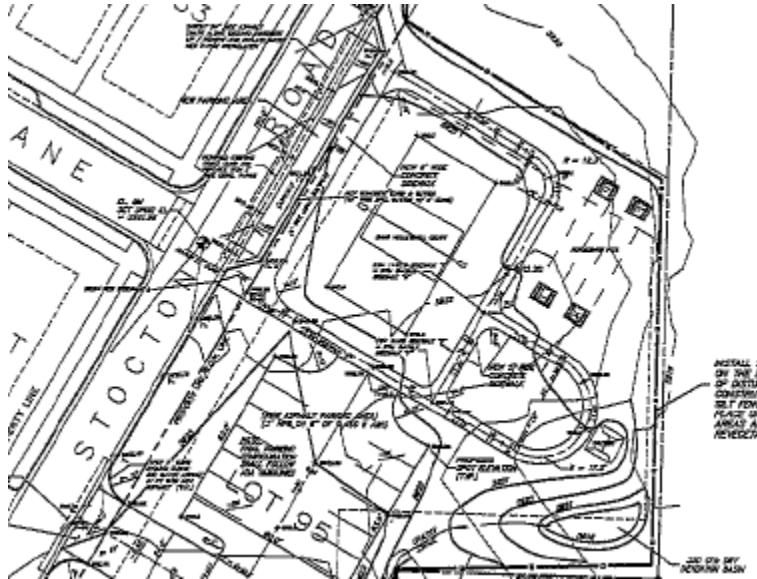
Common and Active Open Space Areas

Lot 95 – Common Open Space to be 19,246 sq. ft.

Active Open Space to be 17,302 sq. ft.

Lot 96 – Common Open Space to be 21,210 sq. ft.

Active Open Space to be 7,000 sq. ft.



(Spirit Mountain Park and Community Parking on Lot 95)

Plans depicting the required open space amenities are identified in the in the Sixth Amendment to the Subdivision Improvements Agreement attached hereto.

Necessary Revisions

Comments are attached which identify necessary revisions to the plans required prior to the issuance of a development permit and/or a Construction Plans application. Staff recommends said comments are made conditions of approval of the Major Site/Architectural Plan Review application.

Approval Criteria

A Major Site/Architectural Plan Review application must adhere to the approval criteria outlined in Section 070.060.050(6) of the Code as outlined in ***bold italics*** below. Other language is provided by staff.

a. The site/architectural plan is consistent with the general purpose and intent of this Code;

Outside of the amendments discussed above, the proposal appears to be consistent with the general purpose of the Cardiff Glen PUD as well as other applicable City regulations not addressed in the zoning document.

b. The site/architectural plan is consistent with the dimensional, design, development, and all other standards of this Code;

Excluding the issues/concerns addressed above, the application is consistent with the dimensional and design considerations outlined in the PUD and other applicable City regulations.

- c. The site/architectural plan is consistent with any previously approved plat, PUD, or any other precedent land use approval; and***

Excluding the issues/concerns addressed above, the application is consistent with the dimensional and design considerations outlined in the PUD and other applicable City regulations.

- d. The site/architectural plan is consistent with the Comprehensive Plan and other adopted City policies and plans.***

The amendments are consistent with the with, and many goals and objectives outlined in the City Comprehensive Plan as detailed in the staff report below. The proposed amendments do not negatively impact the goals/objectives stated therein.

Preliminary Plat

A Preliminary Plat is included with the application to identify six future building areas and to divide Lot 95 in Lot 95 and Tract J (Spirit Mountain Park). The Sixth Amendment to the Subdivision Improvement Agreement discussed above requires the owner of Lot 95 to transfer Spirit Mountain Park improvements to the master homeowners' associations prior to the issuance of the building permit. A Final Plat will be recorded upon the completion of each building to condominiumize each of the units.

Approval Criteria

A Preliminary Plat application must adhere to the approval criteria outlined in Section 070.060.060(b)(3)f.4 of the Code as outlined in bold italics below. Other language is provided by staff.

In reviewing a preliminary plat application, the Planning Commission and City Council shall consider whether the preliminary plat:

- i. Is consistent with the Comprehensive Plan;***

The preliminary plat is consistent with many goals and objectives outlined in the City Comprehensive Plan as detailed in the staff report below. The proposed amendments do not negatively impact the goals/objections stated therein.

- ii. Will comply with the applicable zoning district standards;***

Upon approval of the proposed amendments above, the proposal will comply with the R/3 PUD zoning standards.

- iii. Will comply with the use, dimensional, design, and development standards in this Code;***

Upon approval of the proposed amendments above, the proposal will comply with the R/3 PUD zoning standards.

- iv. Provides a layout of lots, streets, blocks, driveways, utilities, drainage, and other public facilities and services designed to minimize the amount of disturbance to sensitive areas and/or community assets;***

The proposal layout of the development limits disturbance to sensitive areas and community assets.

v. Provides evidence of public water and sewer system connections;

The proposal includes connections to adequate water and sewer system as outlined in the various civil plan sheets included with the application.

vi. Identifies and adequately mitigates known natural hazard areas; and

No identified hazard areas are included in the project area.

vii. If applicable, proposes reasonable project phasing in terms of infrastructure capacity.

The proposed phasing plan is reasonable in terms of infrastructure capacity and meets the requirements of former agreement made with various home owners' groups and the City.

Comprehensive Plan Amendment

As shown below, *Map 2.3 Future Land Use – South Portion of the City of the Glenwood Springs* of the Comprehensive Plan (Comp Plan) identifies the property as Single-family Residential in yellow.



According to the Comp Plan, the Single-family designation “....is comprised primarily of single-family detached homes and duplexes on a variety of lot sizes, Accessory dwelling units and home occupations may be permitted with additional review. Institutional uses such as churches, schools, parks and trails are also allowed.” It does not appear the proposal is in compliance with the map designation nor description. However, we know the Future Land Use maps were not created on a parcel-by-parcel basis as many PUDs in the City which allow multi-family residential are mapped similarly. The proposal is in compliance with the Cardiff Glen PUD and, the PUD was approved prior to the adoption of the 2011 Comp Plan. In this case, it appears that the Comp Plan’s Future Land Use Map did not pick up the multi-family designation of these two lots.

Numerous community goals and related objectives and strategies outlined in the Executive Summary and subsequent chapters of the Comp Plan encourage economic development, preserving our small town character, convenient transportation, infill development, housing opportunities, social diversity, and preserving natural resources all of which are supported by this proposal. These goals are outlined in the following table.

<u>Comprehensive Plan Goal</u>	<u>Comprehensive Plan Objective and Strategy</u>
-Promote long-term, sustainable, diverse, economic development	-Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34)
-Preserve small town small town character while maintaining the livability of Glenwood Springs and increasing the vibrancy and commercial success of the downtown	-Develop according to the vision (Chapter 4, Page 34) -Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34) -Enhance pedestrian-friendliness while facilitating traffic (Chapter 3, Page 36) -Direct growth inward (Chapter 9, Page 102)
-Address transportation and provide multiple convenient travel choices	-Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34)
-Direct development to locations and building forms that are cost effective to serve	-Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34) -Direct growth to areas where utilities and services can be provided efficiently (Chapter 7, Page 82)
-Provide housing opportunities for the entire community	-Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34) -Encourage greater variety in housing types and price (Chapter 6, Page 75) -Encourage housing variety and affordability throughout the community (Chapter 6, Page 76) -Require good design for mixed-use and higher density projects (Chapter 6, Page 78) -Direct growth inward (Chapter 9, Page 102)
-Support social diversity	-Direct development into a compact form: infill and redevelopment (Chapter 3, Page 34) -Encourage greater variety in housing types and price (Chapter 6, Page 75) -Encourage housing variety and affordability throughout the community (Chapter 6, Page 76) -Require good design for mixed-use and higher density projects (Chapter 6, Page 78) -Direct growth inward (Chapter 9, Page 102)

-Preserve natural resources	-Promote water conservation (Chapter 7, Page 84) -Direct growth inward (Chapter 9, Page 102)
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Reviewing Agency Comments

An overview of any comments received from referral agencies is provided below. Said comments are also attached.

Engineering – Comments and redlined plans received outline numerous revisions required for the Construction Plans application related to drainage, water quality, general construction specifications, utilities, etc.

Water and Wastewater – Comments and redlined plans received outline numerous revisions required for the Construction Plans application related to irrigation, fire sprinklers, ownership of utilities, etc.

ACTION ALTERNATIVES AND STAFF RECOMMENDATION:

Section 070.060.030(g)(1)d outlines the review and decision procedures for applications being considered by the Commission and/or City Council stating, “[T]he applicable review body shall **approve, approve with conditions, or deny** the application **based on the applicable approval criteria** listed in the application-specific procedures. The body may also **continue** the hearing or **refer the application** to another authority as provided in 070.060.050(a)(2)c, Referral and Call-Up Procedures.”

Action 1 - Rezoning (amendment) to PUD – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Staff Recommendation/Motion

Staff recommends the Planning and Zoning Commission recommend to City Council **approval** of the PUD amendment with the following **findings**:

Recommended Findings:

1. The amendment is consistent with the City's comprehensive plan and the purpose of this Code;
2. The amendment is consistent with the proposed purpose statement of the proposed zoning district;
3. Substantial changes in the subject area warrant a zoning change;
4. The intensity of development is not expected to create significantly adverse impacts to surrounding properties or the neighborhood;
5. The amendment addresses a unique situation, provides substantial benefit to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of this Code;
6. Upon addressing staff comments outlined herein, the application will meet all applicable standards of this Code not expressly modified by the PUD application; and

7. The PUD amendment provides residential uses and includes varied types of housing and densities.

Action 2 - Major Site/Architectural Plan Review – to allow for the construction of 29 multi-family residential townhome units in six buildings.

Staff Recommendation/Motion

Staff recommends the Planning and Zoning Commission recommend to City Council **approval with conditions** of the Major Site/Architectural Plan Review with the following **findings** and **conditions**:

Recommended Findings:

1. The site/architectural plan is consistent with the general purpose and intent of this Code;
2. The site/architectural plan is consistent with the dimensional, design, development, and all other standards of this Code;
3. Upon approval of the amendments requested, the site/architectural plan is consistent with any previously approved plat, PUD, or any other precedent land use approval; and
4. The site/architectural plan is substantially consistent with the Comprehensive Plan and other adopted City policies and plans.

Recommended Conditions:

1. The applicant shall comply with/address all staff comments prior to the issuance of a development permit and/or approval of a Construction Plans application.

Action 3 - Preliminary Plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

Staff Recommendation/Motion

Staff recommends the Planning and Zoning Commission recommend to City Council **approval** of the Preliminary Plat with the following **findings**:

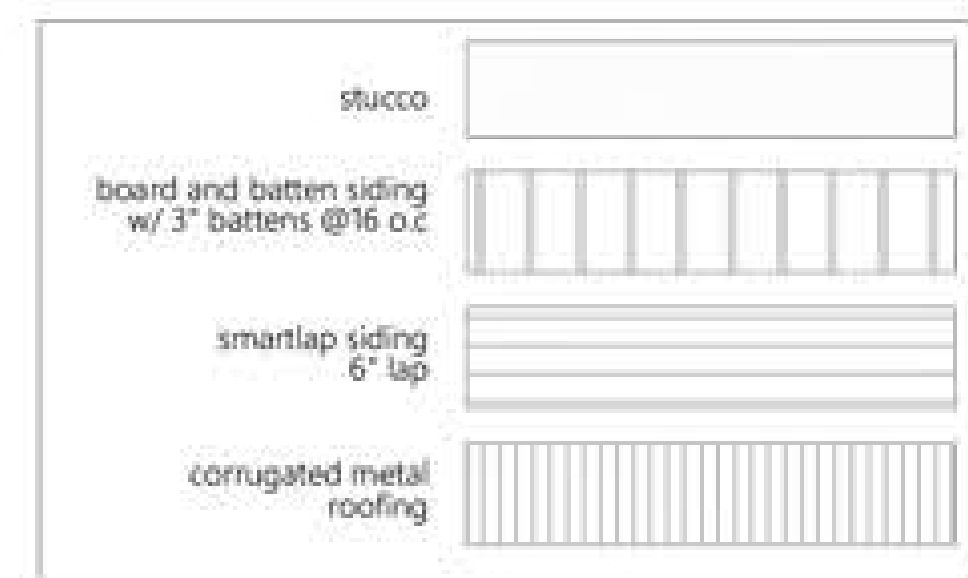
Recommended Findings:

The creation of 29 condominium units:

1. Is consistent with the Comprehensive Plan;
2. Will comply with the applicable zoning district standards;
3. Will comply with the use, dimensional, design, and development standards in this Code;
4. Provides a layout of lots, streets, blocks, driveways, utilities, drainage, and other public facilities and services designed to minimize the amount of disturbance to sensitive areas and/or community assets;
5. Provides evidence of public water and sewer system connections;
6. Identifies and adequately mitigates known natural hazard areas; and
7. If applicable, proposes reasonable project phasing in terms of infrastructure capacity.



- Exterior Materials Legend**
- Exterior Finishes:
1. LP Smart Siding, board and batten w/ 2" battens.
 2. Stucco - color TBD
 3. Concrete patio
- Beams & Columns:
11. Heavy timber column - (size as shown)
 12. Painted beam - see structural
 - 13.
 - 14.
- Trim:
15. LP Smart Siding fascia - paint grade
 16. Garage doors
 18. Steel 'tie back' braces - see structural
 19. LP Smart Siding 1 x 4 trim to cover horiz. joints
- Roofing:
20. Arch. grade asphalt shingles - (color TBD)
 21. Corrugated Metal roofing, (color TBD)
 - 23.
- Misc.:
24. Indicates finished grade
 - 25.
 26. Guardrail per code
 - 27.
 - 28.



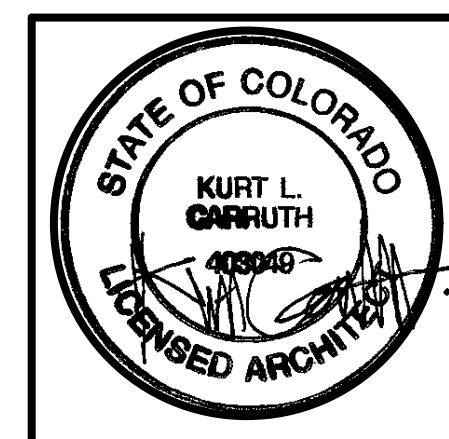
BUILDING '6' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING



BUILDING '2' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING
END UNIT



BUILDING '1' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING
END UNIT

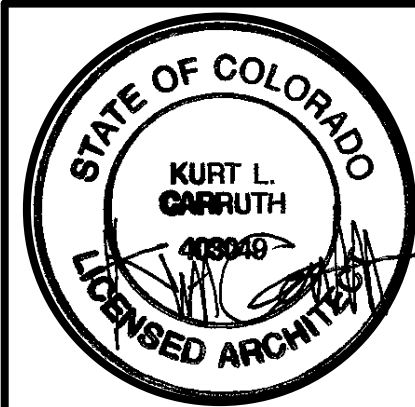


Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING	ISSUE
Development Plan Review set	10-22-18
Development Plan Review Updates	11-02-18
Development Plan Review Updates	11-12-18
Development Plan Review Updates	11-27-18
Development Plan Review Updates	12-04-18

Project designed and drawn to adhere to the 2015 IRC.

A3.0
COLOR RENDERINGS
TYPICAL



Solstice Townhomes

Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

Development Plan Review set 10-22-18
Development Plan Review Updates 11-02-18
Development Plan Review Updates 11-12-18
Development Plan Review Updates 11-27-18
Development Plan Review Updates 12-04-18

Project designed and drawn to adhere to the 2015 IRC.

Landscape Plan
L1
Scale: 1" = 30'-0"

BUILDING 1:
FOOTPRINT AREA: 4,036.00 SF
STORIES: 2
UNITS: 4
INDIVIDUAL UNIT SF: 1,788.00 SF
1 CAR GARAGE 238.00 SF

BUILDING 2:
FOOTPRINT AREA: 3,633.00 SF
STORIES: 3
UNITS: 5
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 3:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 4:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 5:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 6:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

Existing Site Condition Notes

Existing and Proposed topography shown on grading plan.

There are no identified geological formations, water courses, or water bodies.

Existing and proposed utility locations and easement shown on utility plan.

Trash collection will be by unit and managed by STOA.

There are no proposed lightpoles - existing lightpoles are shown on existing conditions map.

Existing tree to be retained - noted on Landscape plan.

Cluster mailboxes may be located with existing CG mailboxes, per the GWS postmaster. Final location to be confirmed.

Total Project sf:
Lot 95 (not included): 15,450 sf
Lot 96: 69,816 sf
Total: 85,266 sf

Building footprint sf:
Lot 95 - 4,036 sf
Lot 96 - 18,165 sf
Total: 22,201 sf

Impervious s.f. (driveway / sidewalks / individual unit patios)
Lot 95 - 6,181 sf
Lot 96 - 22,307 sf
Total: 28,488 sf

Open space:
85,266 - 22,201 - 28,488 = 34,577 sf

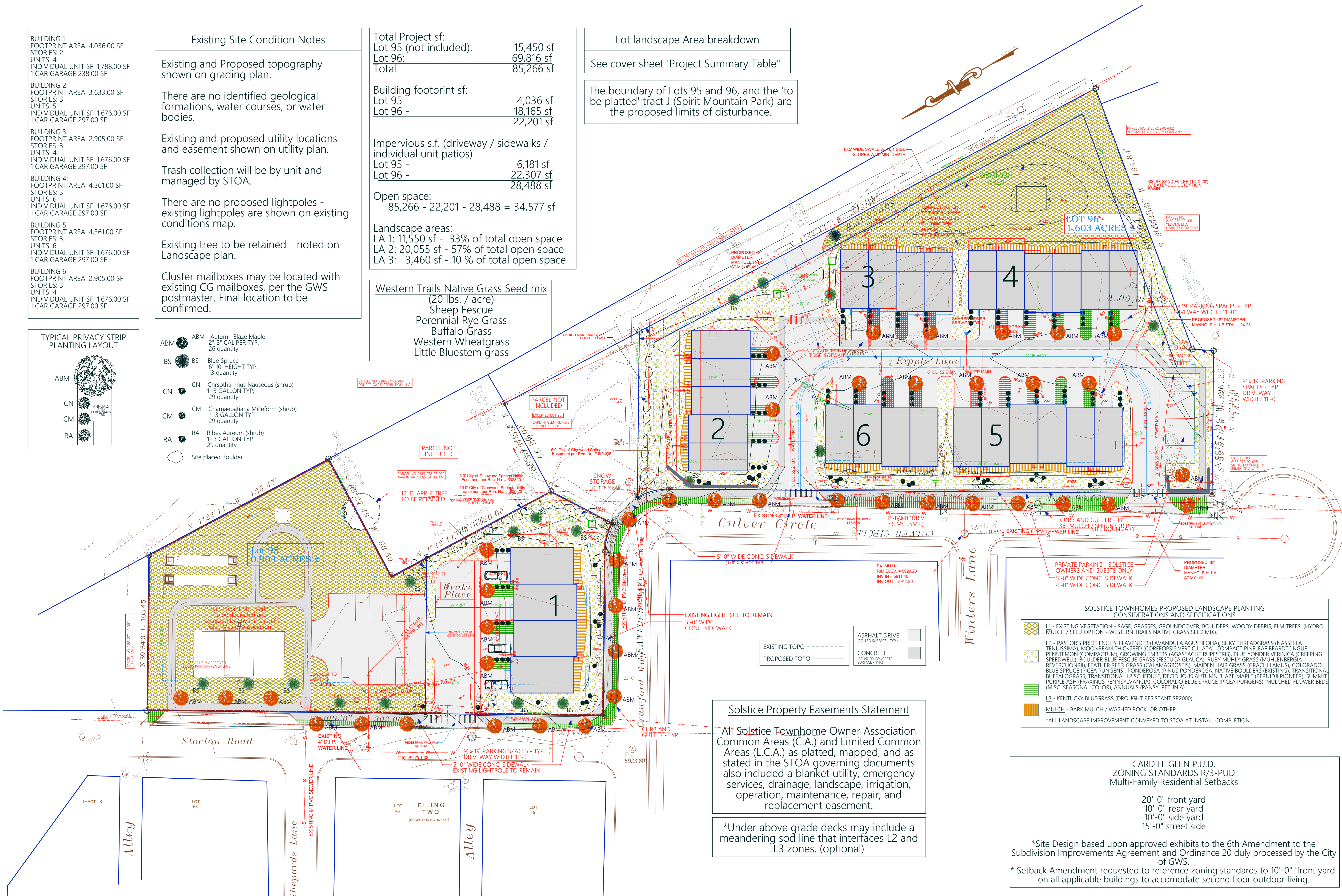
Landscape areas:
LA 1: 11,550 sf - 33% of total open space
LA 2: 20,055 sf - 57% of total open space
LA 3: 3,460 sf - 10 % of total open space

Western Trails Native Grass Seed mix
(20 lbs. / acre)
Sheep Fescue
Perennial Rye Grass
Buffalo Grass
Western Wheatgrass
Little Bluestem grass

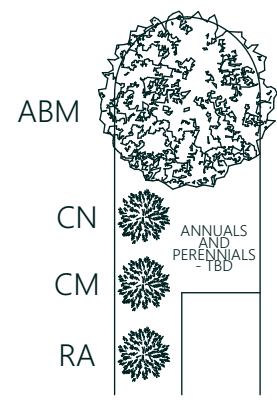
Lot landscape Area breakdown

See cover sheet 'Project Summary Table'

The boundary of Lots 95 and 96, and the 'to be platted' tract J (Spirit Mountain Park) are the proposed limits of disturbance.



TYPICAL PRIVACY STRIP PLANTING LAYOUT



- ABM - Autumn Blaze Maple 2'-3" CALIPER TYP. 26 quantity
- BS - Blue Spruce 6'-10' HEIGHT TYP. 13 quantity
- CN - Chroothamnus Nauseous (shrub) 1-3 GALLON TYP. 29 quantity
- CM - Chamaebatia Milleform (shrub) 1-3 GALLON TYP. 29 quantity
- RA - Ribes Aureum (shrub) 1-3 GALLON TYP. 29 quantity
- Site placed Boulder

SOLSTICE TOWNHOMES PROPOSED LANDSCAPE PLANTING CONSIDERATIONS AND SPECIFICATIONS

- L1 - EXISTING VEGETATION - SAGE, GRASSES, GROUND COVER, Boulders, WOODY DEBRIS, ELM TREES, (HYDRO MULCH / SEED OPTION - WESTERN TRAILS NATIVE GRASS SEED MIX).
- L2 - PASTOR'S PRIDE ENGLISH LAVENDER (LAVANDULA AGUSTIFOLIA), SILKY THREADGRASS (NASSELLA TENUISSIMA), MOONBEAM THICKSEED (COREOPSIS VERTICILLATA), COMPACT PINELEAF BEAR TONGUE (PENSTEMON COMPACTUM), GROWING EMBERS (AGASTACHE RUPESTRIS), BLUE YONDER VERNICA (CREEPING SPEEDWELL), BOULDER BLUE FESCUE GRASS (FESTUCA GLAUCA), RUBY MUHLY GRASS (MUHLLENBERGIA REVERCHONII), FEATHER REED GRASS (CALAMAGROSTIS), MAIDEN HAIR GRASS (GRACILLAMUS), COLORADO BLUE SPRUCE (PICEA PUNGENS), PONDEROSA (PINUS PONDEROSA), NATIVE Boulders (EXISTING), TRANSITIONAL BUFFALOGRASS, TRANSITIONAL L2 SCHEDULE, DECIDUOUS AUTUMN BLAZE MAPLE (BERNIDJI PIONEER), SUMMIT PURPLE ASH (FRAXINUS PENNSYLVANIA), COLORADO BLUE SPRUCE (PICEA PUNGENS), MULCHED FLOWER BEDS (MISC. SEASONAL COLOR), ANNUALS (PANSY, PETUNIA).
- L3 - KENTUCKY BLUEGRASS (DROUGHT RESISTANT SR2000)
- MULCH - BARK MULCH / WASHED ROCK, OR OTHER
- *ALL LANDSCAPE IMPROVEMENT CONVEYED TO STOA AT INSTALL COMPLETION.

Solstice Property Easements Statement

All Solstice Townhome Owner Association Common Areas (C.A.) and Limited Common Areas (L.C.A.) as platted, mapped, and as stated in the STOA governing documents also included a blanket utility, emergency services, drainage, landscape, irrigation, operation, maintenance, repair, and replacement easement.

*Under above grade decks may include a meandering sod line that interfaces L2 and L3 zones. (optional)

CARDIFF GLEN P.U.D. ZONING STANDARDS R/3-PUD Multi-Family Residential Setbacks

20'-0" front yard
10'-0" rear yard
10'-0" side yard
15'-0" street side

*Site Design based upon approved exhibits to the 6th Amendment to the Subdivision Improvements Agreement and Ordinance 20 duly processed by the City of GWS.
*Setback Amendment requested to reference zoning standards to 10'-0" 'front yard' on all applicable buildings to accommodate second floor outdoor living.

SURVEYOR

Dave Nicholson
Divide Creek Surveyors, Inc.
(970) 355-9306

STRUCTURAL

Colorado Structural, Inc.
Mike Arbaney P.E.
tel: (970)-349-5922
fax: (970)-349-5926
mike@coloradostructural.com

CIVIL

Pinnacle Design Consulting Group, Inc.
Hans Brucker, PE
805 Buck Point Road
Carbondale, Co 81623
970-618-4427 cell
970-963-2170 office

PLANNING

Creative Results Consulting
Ian K. Hause - Principal
creativeresultsconsulting@yahoo.com
970-355-5279

ARCHITECT

hingeARCHITECTS, Ltd.
Kurt Carruth
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glenwood springs, co. 81601
p. 970-309-4432
kurt@hinge-architects.com

CONTRACTOR

TBD

OWNER

CARDIFF 96, LLC
110 Spur Drive
glenwood springs, co. 81601
c: 970-618-3555
e: abh68@gmail.com

City Council Suggested Motions

Planning Item #15-18: – Consideration of a Rezoning to PUD (amendment of an existing PUD), a Major Site/Architectural Plan Review, and Preliminary Plat

Action 1 - Rezoning (amendment) to PUD – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Motion to Approve:

I move to affirm the recommendation of the Planning and Zoning Commission and approve the Rezoning (amendment) to PUD request, as outlined in Ordinance No., Series of 2019, with the recommended findings listed on page 1 of the suggested motions attachment to the staff report.

Recommended Findings:

1. The amendment is consistent with the City's comprehensive plan and the purpose of this Code;
2. The PUD amendment is consistent with the City's approval criteria for a rezoning;
3. The intensity of development is not expected to create significantly adverse impacts to surrounding properties or the neighborhood;
4. The amendment addresses a unique situation, provides substantial benefit to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of this Code;
5. Upon addressing staff comments outlined herein, the application will meet all applicable standards of this Code not expressly modified by the PUD application; and
6. The amendment provides residential uses and includes varied types of housing and densities.

Motion to Deny:

I move to reverse the decision of the Planning and Zoning Commission and deny the Rezoning (amendment) to PUD request finding [please state your reasons here:].

Action 2 - Major Site/Architectural Plan Review – to allow for the construction of 29 multi-family residential townhome units in six buildings.

Motion to Approve:

I move to affirm the recommendation of the Planning and Zoning Commission and approve the Major Site/Architectural Plan Review with the recommended findings and conditions listed on pages 1 and 2 of the suggested motions attachment to the staff report.

Recommended Findings:

1. The site/architectural plan is consistent with the general purpose and intent of this Code;
2. The site/architectural plan is consistent with the dimensional, design, development, and all other standards of this Code;
3. Upon approval of the amendments requested, the site/architectural plan is consistent with any previously approved plat, PUD, or any other precedent land use approval; and

4. The site/architectural plan is substantially consistent with the Comprehensive Plan and other adopted City policies and plans.

Recommended Conditions:

1. The applicant shall comply with/address all staff comments prior to the issuance of a development permit and/or approval of a Construction Plans application;
2. The applicant shall increase and enhance the landscaping (with trees and shrubs) along the Culver Circle and Stockton Road to screen buildings 1, 5, and 6 and along the east property boundary of Spirit Mountain Park and Lot 96;
3. The applicant is required to return Cardiff Road/Darrow Road to the same condition as it exists today following project completion; and
4. Building 1, containing four units, shall be ADA accessible.

Motion to Deny:

I move to reverse the decision of the Planning and Zoning Commission and deny the Major Site/Architectural Plan Review request finding [please state your reasons here:].

Action 3 - Preliminary Plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

Motion to Approve:

I move to affirm the recommendation of the Planning and Zoning Commission and approve the Preliminary Plat request with the recommended findings listed on page 2 of the suggested motions attachment to the staff report.

Recommended Findings:

The creation of 29 condominium units:

1. Is consistent with the Comprehensive Plan;
2. Will comply with the applicable zoning district standards as revised by the associated PUD amendment;
3. Will comply with the use, dimensional, design, and development standards in this PUD as hereby amended;
4. Provides a layout of lots, streets, blocks, driveways, utilities, drainage, and other public facilities and services designed to minimize the amount of disturbance to sensitive areas and/or community assets;
5. Provides evidence of public water and sewer system connections;
6. Identifies and adequately mitigates known natural hazard areas; and
7. If applicable, proposes reasonable project phasing in terms of infrastructure capacity.

Motion to Deny:

I move to reverse the decision of the Planning and Zoning Commission and deny the Preliminary Plat request finding [please state your reasons here:].

1) The AIA Document A201 "General conditions of the Contract for Construction," latest edition, are hereby made a part of these contract documents, except as amended herein. Copies are on file and are available for inspection at the office of the architect.

2) The Contract Documents consists of the agreement, the general notes, the specification, and the drawings, which are cooperative and continuous. Work indicated or reasonably implied in any one of the documents shall be supplied as though fully covered in all. Any discrepancy between the different parts should be reported to the architect immediately.

3) All work shall comply with all state and local codes and ordinances, and shall be performed to the highest standards of craftsmanship by journeymen of the appropriate trades.

4) These documents are intended to include all labor materials, equipment and services required to complete all work described herein. It is the responsibility of the contractor to bring to the attention of the architect conditions which will not permit construction according to the intentions of these documents. It is the responsibility of the architect to provide details and/or directions regarding design intent where it is altered by existing conditions or where neglected in the documents.

5) Any materials proposed for substitution of those specified or called out by trade name in these documents shall be presented to the architect for review. The contractor shall submit samples when required by the architect, and all such samples shall be reviewed by the architect before the work is performed. Work must conform to the reviewed samples. Any work which does not conform shall be removed and replaced with work which conforms at the contractors' expense. Subcontractors shall submit requests and samples for review through the general contractor when work is let through him or her. Required verifications and submittals to be made in adequate time as not to delay work in progress.

6) Shop drawings shall be submitted to the architect for his or her review where called for anywhere in these documents. Review shall be made by the architect before work is begun, and work shall conform to the reviewed shop drawings, subject to replacement as required for samples in paragraphs, above.

7) The building inspector shall be notified by the contractor or when there is a need of inspection as required by the uniform building code or by any local code or ordinance.

8) The contractor shall be responsible for the safety and care of adjacent properties during construction, for compliance with federal and state OSHA regulations and for the protection of all work until it is delivered completed to the owner.

9) All dimensions noted take precedence over scaled dimensions. Dimensions noted with "NTS" denotes "Not To Scale".

10) Contractor shall verify and coordinate all openings through floors, ceilings, and walls with all architectural structural, mechanical, plumbing, and electrical drawings.

11) Contractor will assume responsibility of items requiring coordination and resolution during the bidding process.

12) Contractor will conform with material and equipment manufacturers recommendations.

13) All dimensions to framing unless noted otherwise.

14) Interior walls to be 2X4 at 16" OC. Unless noted otherwise refer to structural.

15) Crown all studs, joists, and rafters. Crown joists and rafters up.

16) Coordinate joist placement with plumbing fixture layout.

17) Hold all plumbing traps as high as possible and coordinate with cabinet accessories.

18) Property lines, utilities and topography shown is representative of information taken from a survey prepared by Surveyor of Record. Refer to the survey for this information. Notify architect immediately of any discrepancy or variation between the drawings and actual site conditions.

19) Building footprint to be laid out by a certified surveyor.

20) Architect shall field verify building location after stake out is complete and before the contractor begins any site clearing. Notify the architect 24 hours in advance to arrange inspection.

21) Surveyor shall lay out building footprint and location within the excavation prior to placing foundations.

22) Contact utility companies to field verify location of respective service lines prior to beginning construction.

23) Contractor shall insure positive drainage away from and around the structure. Notify the architect immediately whenever this is not possible. Ponding of surface waters shall not be permitted within 10 feet of the building perimeter.

24) The purpose of these drawings is only to graphically depict the general nature of the work. The contractor is responsible for confirming dimensions and selecting fabrication processes and techniques of construction. The architect and/or engineer shall be notified of any variation from dimensions or conditions shown in the drawings.

ABBREVIATIONS

ADD	ADDENDUM	GR	GRADE	RM	ROOM
APF	ABOVE FINISHED FLOOR	GIP	GYPSPM	RO	ROUGH OPENING
ADJ	ADJACENT	GWB	GYPSPM WALLBOARD	SAN	SANITARY
AGG	AGGREGATE	HDW	HARDWARE	SECT	SECTION
ARCH	ARCHITECTURAL	HD	HEAD	SHP	SHEEP
BM	BEAM	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SHT	SHEET
BRG	BEARING	HT	HEIGHT	SHV	SHIELDS
BET	BETWEEN	HTG	HEATING	SIM	SIMILAR
BD	BOARD	HWY	HIGHWAY	SL	SLIDING
BS	BOTH SIDES	HOR	HORIZONTAL	SLC	SOUND-TRANSMISSION CLASS
BO	BOTTOM OF	ID	INSIDE DIAMETER	SPEC	SPECIFICATION
BLDG	BUILDING	INS	INSULATION	SQ	SQUARE
CAB	CABINET	INT	INTERIOR	STD	STANDARD
CL	CENTER LINE	JT	JOINT	STL	STEEL
CER	CERAMIC	LAM	LAMINATE	STRUCT	STRUCTURE (AL)
CLR	CLEAR	LAV	LAVATORY	SUB	SUBSTITUTE
CLOS	CLOSET	MFG	MANUFACTURER	SUPPL	SUPPLEMENT (AL)
COL	COLUMN	MO	MASONRY OPENING	SUSP	SUSPEND (ED)
CONC	CONCRETE	MTL	MATERIAL	TBD	TO BE DETERMINED
CJ	CONSTRUCTION JOINT	MAX	MAXIMUM	TEL	TELEPHONE
CONT	CONTINUOUS	MECH	MECHANICAL	TV	TELEVISION
DP	DAMPENING	MIN	MINIMUM	TEMP	TEMPERED
DET	DETAIL	MISC	MISCELLANEOUS	THAT IS	THAT IS
DIA	DIAMETER	NIC	NOT IN CONTRACT	THK	THICK
DM	DIMENSION	NA	NOT APPLICABLE	TPH	TOILET PAPER HOLDER
DW	DISHWASHER	NTS	NOT TO SCALE	T & G	TONGUE AND GROOVE
DN	DOWN	OC	ON CENTER	T & B	TOP AND BOTTOM
DR	DRAW	OFCI	OWNER FURNISH	TO	TOP OF
DWG	DRAWING	OFCI	OWNER FURNISH	TO	TOP OF
EA	EACH	OPG	OPENING	TYP	TYPICAL
EL	ELEVATION	OPP	OPPOSITE	UNDERGROUND	UNDERGROUND
EQ	EQUAL	OPH	OPPOSITE HAND	UNFIN	UNFINISHED
EXIST	EXISTING	OD	OUTSIDE DIAMETER	UBC	UNIFORM BUILDING CODE
EJ	EXPANSION JOINT	D	DIAMETER	UNITED STATES GAGE	UNITED STATES GAGE
EXT	EXTERIOR	PERF	PERFORATED	VAR	VARIABLE
FACE OF	FACE OF	PL	PLATE	VENT	VENTILATE
FIN	FINISH	PW	PLYWOOD	VIE	VERIFY IN FIELD
FP	FIREPROOF	PROD	PRODUCT	VERT	VERTICAL
FL	FLOOR	PROJ	PROJECT	VAT	VINYL ASBESTOS TILE
FD	FLOOR DRAIN	PROP	PROPERTY	V	VOLTAGE
FTG	FOOTING	R	RADIUS OR RISER	WC	WATER CLOSET
FDN	FOUNDATION	REF	REFRIGERATOR	WP	WATERPROOF
GA	GAUGE	REFR	REFRIGERATOR	WT	WEIGHT
GALV	GALVANIZED	REIN	REINFORCE (D)	WIN	WINDOW
GC	GENERAL CONTRACTOR	REQD	REQUIRED	W/ (COMB. FORM)	WITH (COMB. FORM)
GL	GLASS			W/O	WITHOUT
				WD	WOOD



VICINITY MAP

ELECTRICAL SYMBOLS LEGEND

SURFACE MOUNTED FLUORESCENT		THERMOSTAT	
RECESSED DOWNLITE		DUPLEX OUTLET	
ADJUST. REC. DOWNLITE		220 V. OUTLET	
WALL MOUNTED LIGHT FIXTURE		FLOOR OUTLET	
SURFACE MOUNTED LIGHT FIXTURE		SWITCHED OUTLET	
PENDENT		FLOOR PHONE OUTLET	
UNDER CABINET FLUORESCENT OR LOW VOLTAGE STRIPLIGHT		TV CABLE OUTLET	
SMOKE DETECTOR		PHONE OUTLET	
EXHAUST FAN		WATERPROOF OUTLET	
		SWITCH	

AIRPORT OVERLAY ZONE

The avigation easement dedicated herein for public aviation purposes, shall be considered a public easement subject to those terms and conditions specified on the instrument recorded at Book 1136, pg. 648 of the records of Garfield County, Colorado. All other easements of record affecting any of the platted property depicted hereon shall not be affected and shall remain in full force and effect.

GEOLOGIC HAZARD DISCLOSURE

The property depicted on this plat has no geologic hazards of note, per the updated sub soils study performed by HP Kumar, dated 08-23-2018.

FEMA FLOODPLAIN STATEMENT

"The property depicted on this plat is included on map community panel 080205 1453B, dated January 3, 1986, and is not located in a regulated special flood hazard area.

BASIS OF BEARING

"A found #5 rebar with a 1 1/4" RED plastic cap L.S. No. 15710. At the Easterly interior angle point and a found No. 5 rebar with a 1 1/4" Aluminum cap L.S. 15710 at the most Southeasterly corner of said Lot 95, using a bearing of S 01°22' 11" E between the two found monuments as shown hereon.

PUBLIC FACILITY REQUIREMENTS

The public facility requirements for construction and installation within the Solstice Townhomes project are detailed in Ordinance 20 of the 6th amendment to the Cardiff Glenn SIA.

SIA 6th Amendment to the Subdivision Approvements Agreement is found at Reception No. 888526 and recorded at the Garfield County Clerk and Recorder on Feb. 03, 2017.

On Ordinance 20 - as approved on Sept. 03, 2015 by the GWS City Council.

Project Summary Table

	Acres	s.f.
Total project areas	LOT 95 / 96 - 2.507 AC	LOT 95 / 96 - 109,204.92 s.f.
Lot size:	LOT 96 - 1.603 AC LOT 95 - .904 AC	LOT 96 - 69,816.00sf LOT 95 - 39,398.00 sf
	existing s.f.	Proposed s.f.
Limits of disturbance	N/A	LOT 95 - 39,398.00 sf LOT 96 - 69,816.00sf
	existing	Proposed
Parking spaces	N/A	LOT 95 - 8 SPACES LOT 96 - 56 SPACES
	existing	Proposed
Residential units	0	LOT 95 - 4 UNITS LOT 96 - 25 UNITS
	required s.f.	Proposed s.f.
Open Space	LOT 95 - 19,246.00 s.f. LOT 96 - 21,210.00 sf	LOT 95 - 35,362.00 s.f. LOT 96 - 51,651.00sf
Tract J		23,948.00 s.f. / .55 AC
	Lot 95	Lot 96
Building height	28'-7"	34'-0 3/4"
	required s.f.	Proposed s.f.
Snow storage	n/a	2500 s.f.
Total Common Area (Includes Limited Common Area)	n/a	63,023.00 s.f.
	existing land	Proposed (s.f. & %)
Lot coverage - Structure (including Tract J)	LOT 95 - 0.00 sf LOT 96 - 0.00 s.f.	LOT 95 - 4,036.23 = 10% LOT 96 - 18,165 s.f = 26%
Lot coverage - Driveways / Roads (Ripple and Drake)	LOT 95 - 0.00 sf LOT 96 - 0.00 s.f.	LOT 95 - 9,743.00 s.f. LOT 96 - 18,844 s.f = 26%
Lot coverage - Patios	LOT 95 - 0.00 sf LOT 96 - 0.00 s.f.	NO PATIOS INCLUDED DECKS ARE DRIP THROUGH
Lot coverage - Sidewalks	LOT 95 - 0.00 sf LOT 96 - 0.00 s.f.	LOT 95 & 96 - 4,425.00 s.f (PUBLIC AND PRIVATE)
TOTAL IMPERVIOUS S.F. (LOT 95 AND 96 COMBINED)	N/A	55,213.23 s.f. TOTAL IMPERVIOUS % = 50.5%
Average slope w/i LOD	7/1	
	existing spaces	proposed spaces
Bicycle Parking	n/a	LOT 95 - 3 SPACES LOT 96 - 6 SPACES
	existing land	Proposed (s.f. & %)
Total landscape area	Lot 95 - 15,450.00 Lot 96 - 69,662.80 sf	Lot 95 - 6,358 s.f. = 41% Lot 96 - 31,852 s.f. = 45%

INDEX TO DRAWINGS

- C1 COVER SHEET - (VICINITY MAP)
- CG1 PLAT OF CARDIFF GLEN P.U.D.
- SS1 SITE SURVEY
- PP1 AMENDED PRELIMINARY PLAT
- SP1 SITE PLAN (VICINITY MAP)
- ECD1 EXISTING CONDITIONS / DEMO PLAN
- L1 LANDSCAPE PLAN
- L2 LANDSCAPE CRITERIA
- L3 IRRIGATION PLAN SCHEMATIC
- E2.1 EXT. ELECTRICAL PLAN

A2.0A LOT 95 UNIT PLANS

A2.0B LOT 96 UNIT PLANS

A2.1 BUILDING 1 PLANS

A2.2 BUILDING 2 PLANS

A2.3 BUILDING 3 PLANS

A2.4 BUILDING 4 PLANS

A2.5 BUILDING 5 PLANS

A2.6 BUILDING 6 PLANS

A3.0 COLOR RENDERINGS - TYPICAL

A3.1 - A3.2 BUILDING 1 ELEVATIONS

A3.3 - A3.4 BUILDING 2 ELEVATIONS

A3.5 - A3.6 BUILDING 3 ELEVATIONS

A3.7 - A3.8 BUILDING 4 ELEVATIONS

A3.9 - A3.10 BUILDING 5 ELEVATIONS

A3.11 - A3.12 BUILDING 6 ELEVATIONS

C1-23 - CIVIL DRAWINGS

CP1-10 - GRAND RIVER PARK & LOT 95

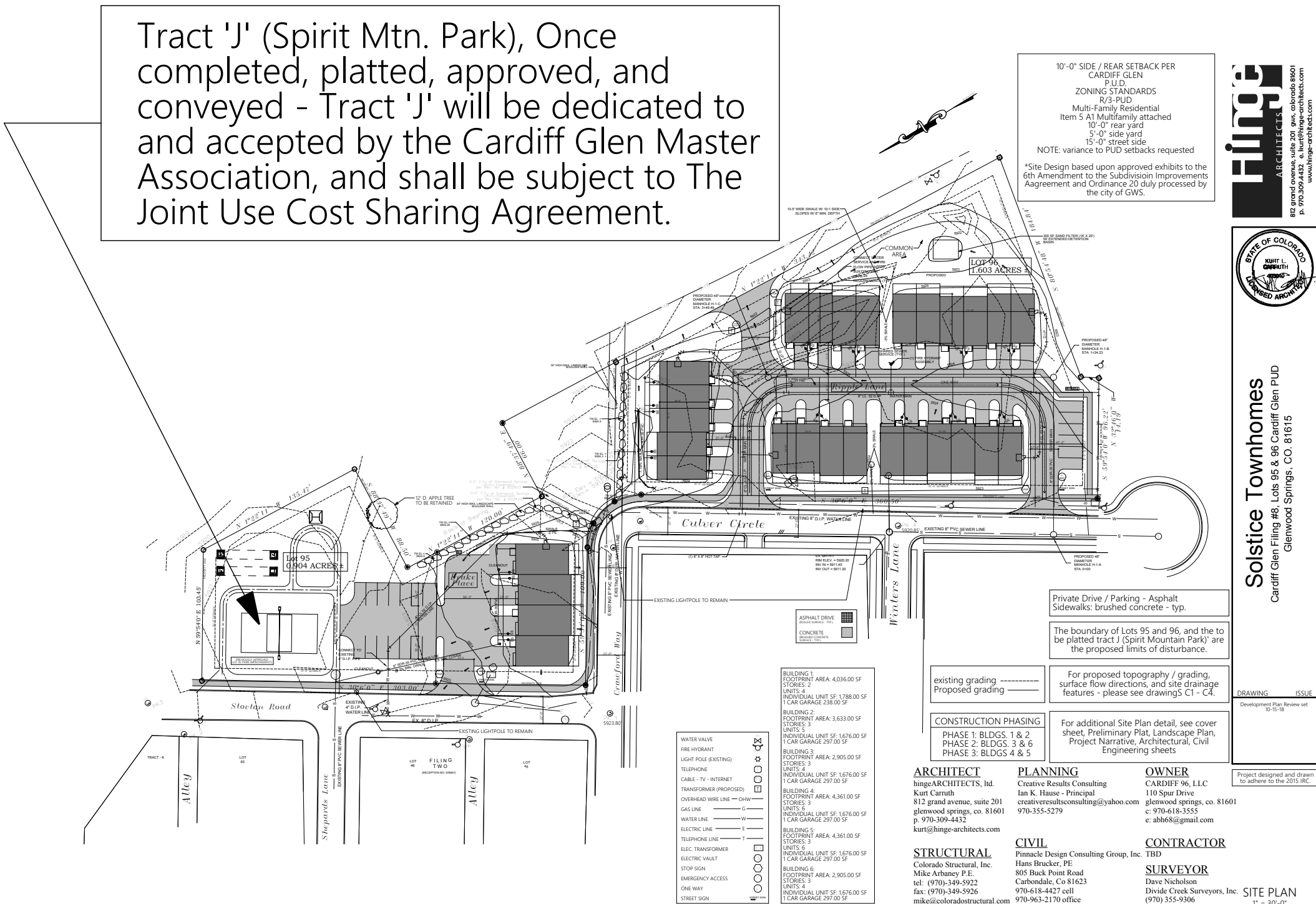
(PRIOR APPROVED DRAWINGS)

S1.1 LOT 95 STRUCTURAL DRAWINGS

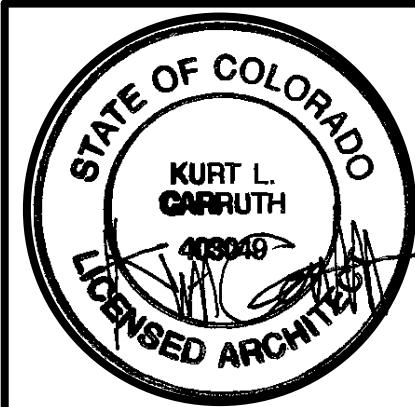
S1.1 LOT 96 STRUCTURAL DRAWINGS

S1.2 LOT 96 STRUCTURAL DRAWINGS

Tract 'J' (Spirit Mtn. Park), Once completed, platted, approved, and conveyed - Tract 'J' will be dedicated to and accepted by the Cardiff Glen Master Association, and shall be subject to The Joint Use Cost Sharing Agreement.



812 grand avenue, suite 201 gws, colorado 81601
p. 970.309.4432 e. hurching-architects.com
www.hinge-architects.com



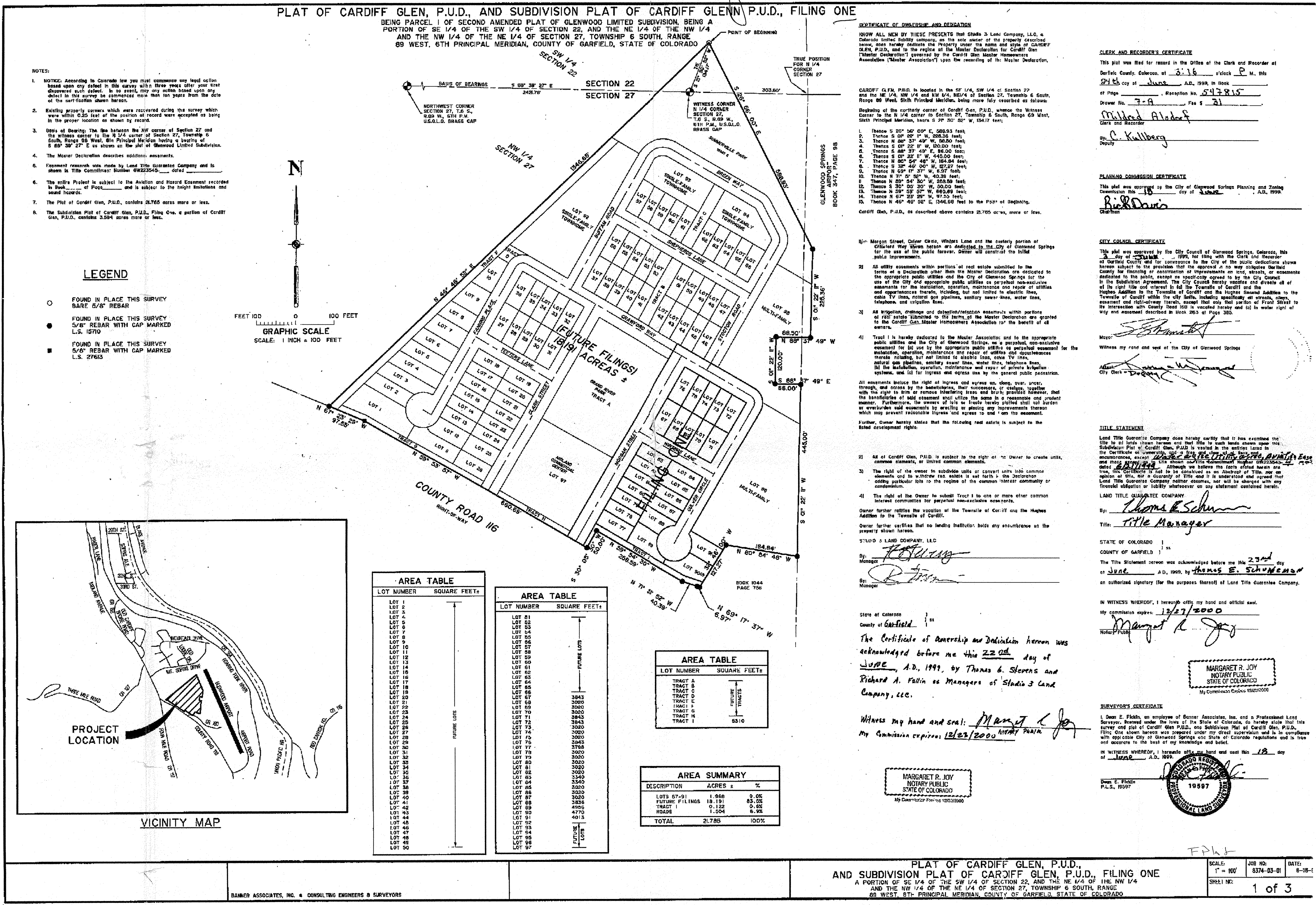
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Glenwood Springs, CO. 81615

DRAWING ISSUE

Development Plan Review set
10-22-18
Development Plan Review Updates
11-02-18
Development Plan Review Updates
11-12-18

Project designed and drawn to adhere to the 2015 IRC.

COVER



NOTES

1) Date of Survey: June 14, 2018.

2) Date of Preparation: June 14,, 2018.

3) Basis of Bearing: A found #5 rebar with a 1 1/4" Red plastic cap L.S. No. 15710 at the Easterly interior angle point and a found #5 rebar with a 1 1/4" Aluminum cap L.S. 15710 at the most Southeasterly corner of said Lot 95, using a bearing of S 01°22'11" E Between the two found monuments as shown hereon.

4) This survey does not constitute a title search by Divide Creek Surveyors Inc., (DCSI) to determine ownership or easements of record. For all information regarding easements, rights of way and/or title of record, (DCSI) relied upon the title commitment provided by Land Title Guarantee Company effective date: June 06, 2018 commitment No. ABS63012932.

THE LAND REFERRED TO IN THIS LAND TITLE GUARANTEE COMPANY COMMITMENT DATED JUNE 6, 2018 IS LOCATED IN THE COUNTY OF GARFIELD, STATE OF COLORADO, AND IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOTS 95 AND 96, CARDIFF GLEN P.U.D., FILING ONE ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1999 AS RECEPTION NO. 547815.

EXCEPTING LOT 98, CARDIFF GLEN P.U.D, FILING THREE ACCORDING TO THE PLAT THEREOF RECORDED MAY 6, 2002 AT RECEPTION NO. 602820 AND DECLARATION RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 853,

CITY OF GLENWOOD SPRINGS,
COUNTY OF GARFIELD,
STATE OF COLORADO.

THIS PROPERTY IS SUBJECT TO THE FOLLOWING EXCEPTIONS PER SAID TITLE COMMITMENT NO ABS63012932

8. RIGHT OF PROPRIETOR OF A VEIN OR LODE TO EXTRACT AND REMOVE HIS ORE THEREFROM SHOULD THE SAME BE FOUND TO PENETRATE OR INTERSECT THE PREMISES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE 14 AND RECORDED JULY 29, 1895 IN BOOK 12 AT PAGE 372. (Could affect subject property – can not be graphically shown)

9. RIGHT OF WAY FOR DITCHES OR CANALS CONSTRUCTED BY THE AUTHORITY OF THE UNITED STATES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE

14.(Could affect subject property – can not be graphically shown)

10. TERMS, CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAY AS CONTAINED IN AVIATION AND HAZARD EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 848. (Could affect subject property – can not be graphically shown)

11. EASEMENTS, RIGHTS OF WAY AND OTHER MATTERS AS FOUND ON THE CARDIFF GLEN PLAT RECORDED JUNE 24, 1999 AS RECEPTION NO. 547812 AND THE CARDIFF GLEN FILING THREE PLAT RECORDED MAY 6, 2002 AT RECEPTION NO. 602820. (As shown hereon)

12. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANT OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN UNLESS AND ONLY TO THE EXTENT THAT SAID COVENANT (A) IS EXEMPT UNDER CHAPTER 42, SECTION 3607 OF THE UNITED STATES CODE OR (B) RELATES TO HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PERSONS, AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 85y AND FIRST AMENDMENT RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE 32z AND SECOND AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE 23. AND DECLARATION RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE 33. AND FIRST AMENDMENT TO DECLARATION RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE 249, THIRD AMENDMENT RECORDED MAY 6, 2002 IN BOOK 1352 AT PAGE 527, FOURTH AMENDMENT RECORDED NOVEMBER 17, 2003 IN BOOK 1539 AT PAGE 355. (Could affect subject property – nothing to show)

13. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS CONTAINED IN INSTRUMENT RECORDED MARCH 22, 2005, IN BOOK 1672 AT PAGE 25. AND AMENDMENT RECORDED MARCH 11, 2008 AT RECEPTION NO. 744368. (Could affect subject property – nothing to show)

14. TERMS, CONDITIONS, AND PROVISIONS OF SUBDIVIDER'S AGREEMENT AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999, IN BOOK 1136 AT PAGE 905, FIRST AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1243 AT PAGE 502 AND AS AMENDED DECEMBER 4, 2003 AT RECEPTION NO. 642205 AND AS AMENDED APRIL 20, 2004 AT RECEPTION NO. 65050. AND AS AMENDED AUGUST 3, 2004 AT RECEPTION NO. 657172 AND AS AMENDED SEPTEMBER 22, 2005 IN BOOK 1723 AT PAGE 412 AND AS AMENDED FEBRUARY 3, 2017 AT RECEPTION NO. 888526. (Could affect subject property – can not be graphically shown)

15. TERMS, CONDITIONS AND PROVISIONS OF WATER FACILITIES EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 825 AND COST SHARING AGREEMENT RECORDED SEPTEMBER 8, 1999 IN BOOK 1149 AT PAGE 529. (Offsite property – nothing to show)

16. TERMS, CONDITIONS AND PROVISIONS OF UTILITY EASEMENT AGREEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 837. (Offsite property – nothing to show)

17. TERMS, CONDITIONS AND PROVISIONS OF COST SHARING AGREEMENT RECORDED SEPTEMBER 09, 1999 IN BOOK 1149 AT PAGE 529. (Could affect subject property – nothing to show)

18. TERMS, CONDITIONS AND PROVISIONS OF NON-EXCLUSIVE UTILITY EASEMENT RECORDED OCTOBER 30, 2000 IN BOOK 1214 AT PAGE 794. (Offsite property – nothing to show)

19. TERMS, CONDITIONS, PROVISIONS, BURDENS AND OBLIGATIONS AS SET FORTH IN JOINT USE AND COST SHARING AGREEMENT RECORDED APRIL 20, 2004 UNDER RECEPTION NO. 650495 AND FIRST AMENDMENT RECORDED DECEMBER 22, 2016 AT RECEPTION NO. 886890. (Could affect subject property – can not be graphically shown)

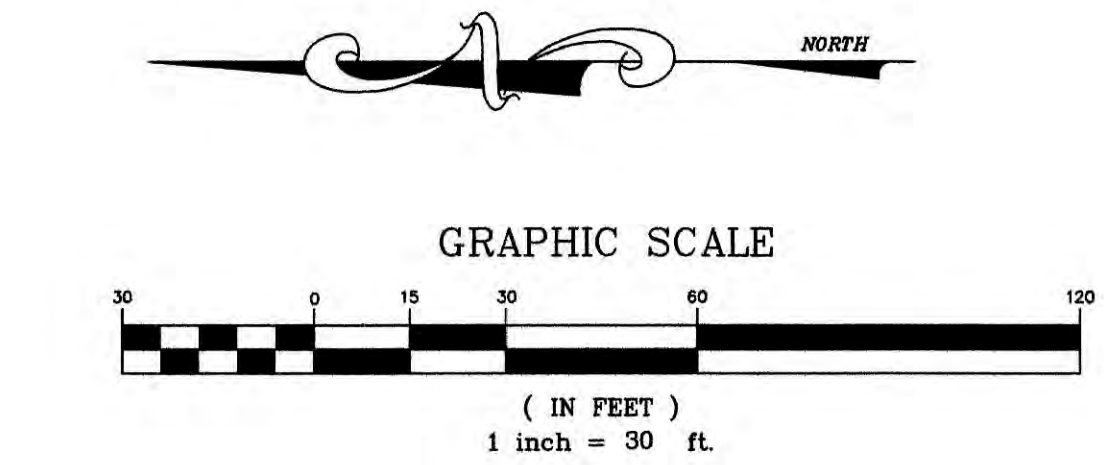
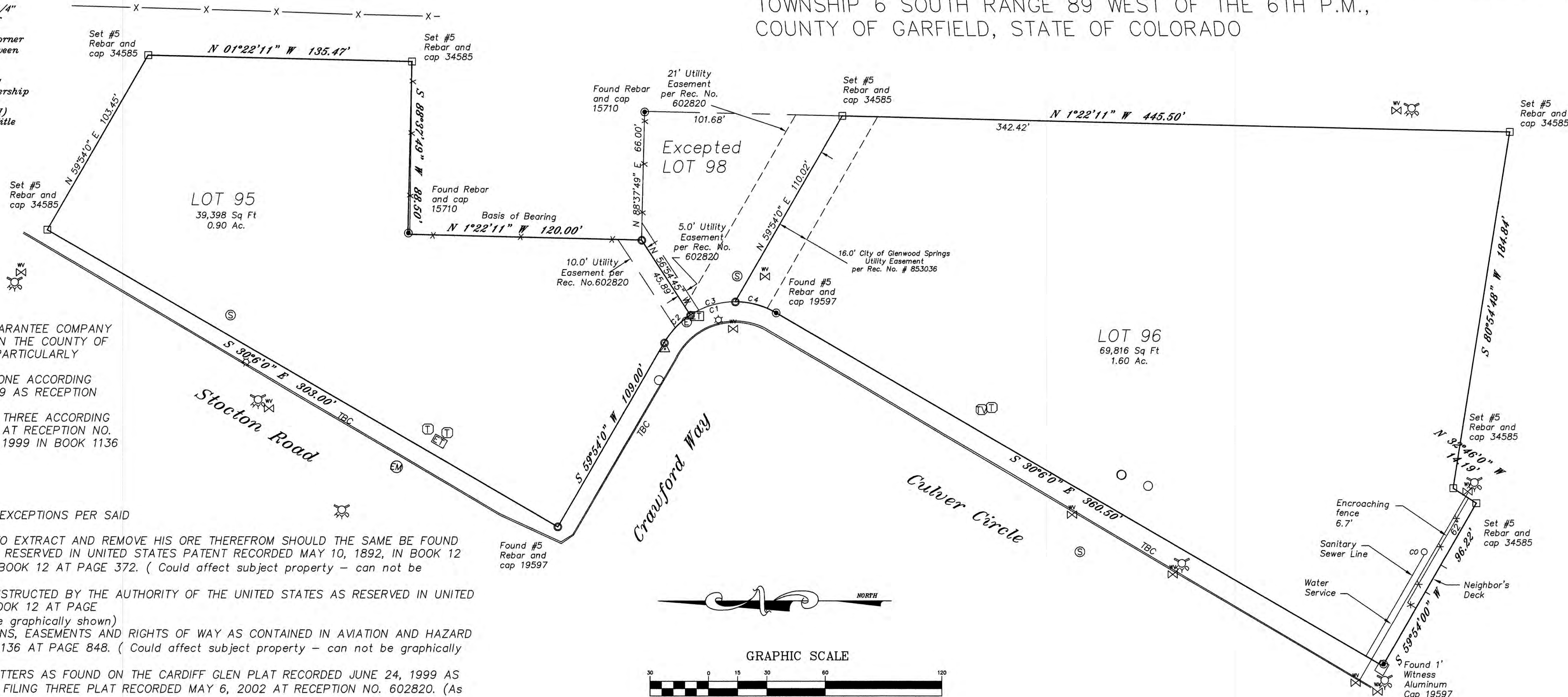
20. TERMS, CONDITIONS, PROVISIONS, BURDENS, OBLIGATIONS AND EASEMENTS AS SET FORTH AND GRANTED IN EASEMENT DEED RECORDED AUGUST 28, 2014 UNDER RECEPTION NO. 853036. (As shown hereon)

IMPROVEMENT SURVEY PLAT

FOR PARCELS 95, AND 96, IN CARDIFF GLEN P.U.D.,

Vicinity Map
Not to scale

SITUATED IN A PORTION OF THE NE 1/4, OF THE NW 1/4 OF SECTION 27, TOWNSHIP 6 SOUTH RANGE 89 WEST OF THE 6TH P.M., COUNTY OF GARFIELD, STATE OF COLORADO



- Legend
- = Found Rebar and Aluminum cap 15710
 - ◇ = Concrete
 - ⛑ = Hydrant
 - △ = Gas Marker
 - = Post
 - ⊙ = Sewer Sanitary Manhole
 - ⊖ = Electric Manhole
 - Ⓣ = Telephone Pedestal
 - Ⓢ = Cable Pedestal
 - Ⓜ = Electric Transformer
 - ⛑ = Water Valve
 - ☆ = Lamp Post
 - Ⓣ = Television Pedestal
 - ⊙ = Cleanout
- = Fence

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	65.97'	42.00'	42.00'	59.40'	S 14°54'00" W	90°00'00"
C2	19.66'	42.00'	10.01'	19.48'	S 46°29'43" W	333°11'5"
C3	24.32'	42.00'	12.51'	23.99'	S 16°29'45" W	326°48'58"
C4	22.00'	42.00'	11.26'	21.75'	S 15°5'58" E	329°59'35"

NOTICE: - ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.



DAVID C. NICHOLSON L.S. #34585

DIVIDE CREEK SURVEYORS INC.

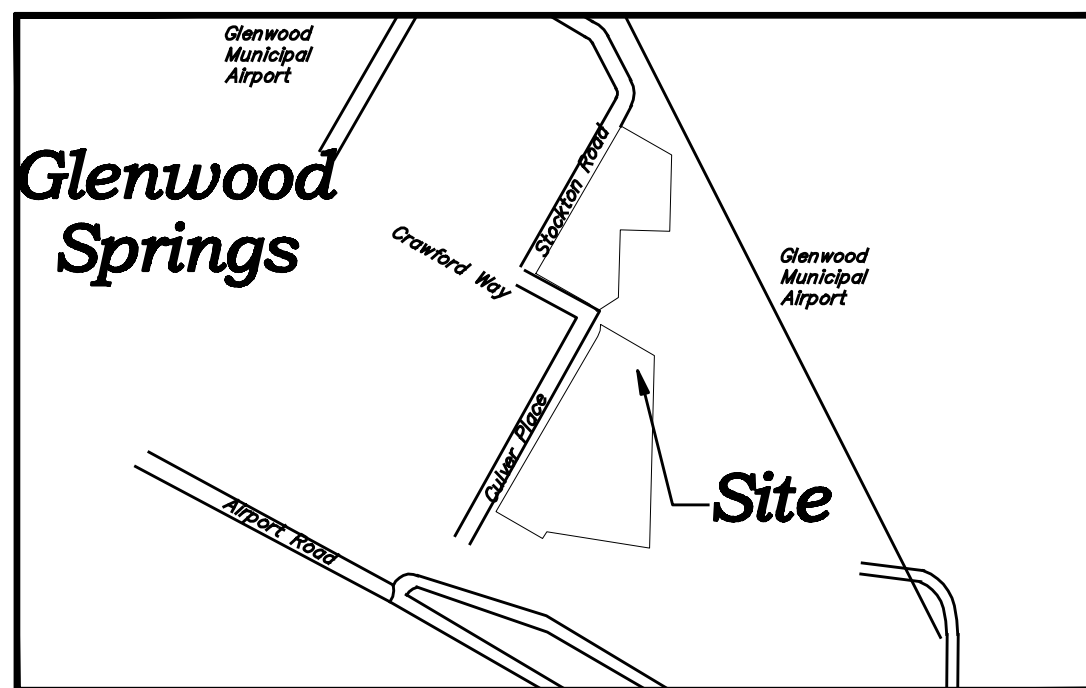
DAVID C. NICHOLSON
Professional Land Surveyor
L.S. 34585

0029 Colorado River Road
New Castle, Colorado
(970)355-9306

IMPROVEMENT SURVEY PLAT
FOR PARCELS 95, AND 96, IN CARDIFF GLEN P.U.D.,
Section 31, Township 7 South, Range 87 West of the
6TH Principal Meridian, Garfield County, State of Colorado

DATE: 07/31/2018 PROJ: 07/31/18 ISP

SS1



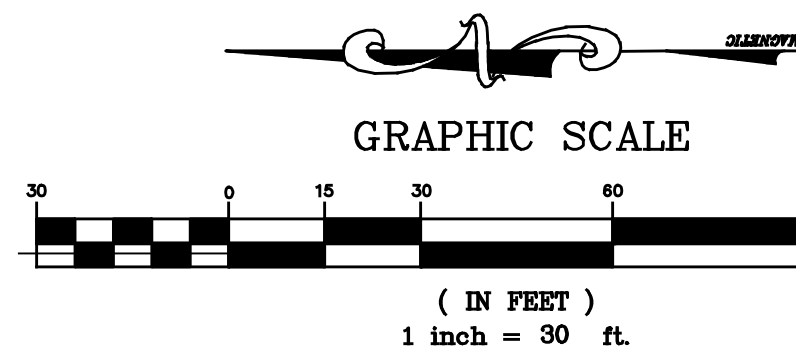
VICINITY MAP
Not to Scale

Building Area with number of Dwelling Units	Building area square feet
BA1 (Future Development) Four (4)	4,036 sq. ft.
BA2 (Future Development) Five (5)	3,633 sq. ft.
BA3 (Future Development) Four (4)	2,905 sq. ft.
BA4 (Future Development) Six (6)	4,361 sq. ft.
BA5 (Future Development) Six (6)	4,361 sq. ft.
BA6 (Future Development) Four (4)	2,905 sq. ft.
Total 29	

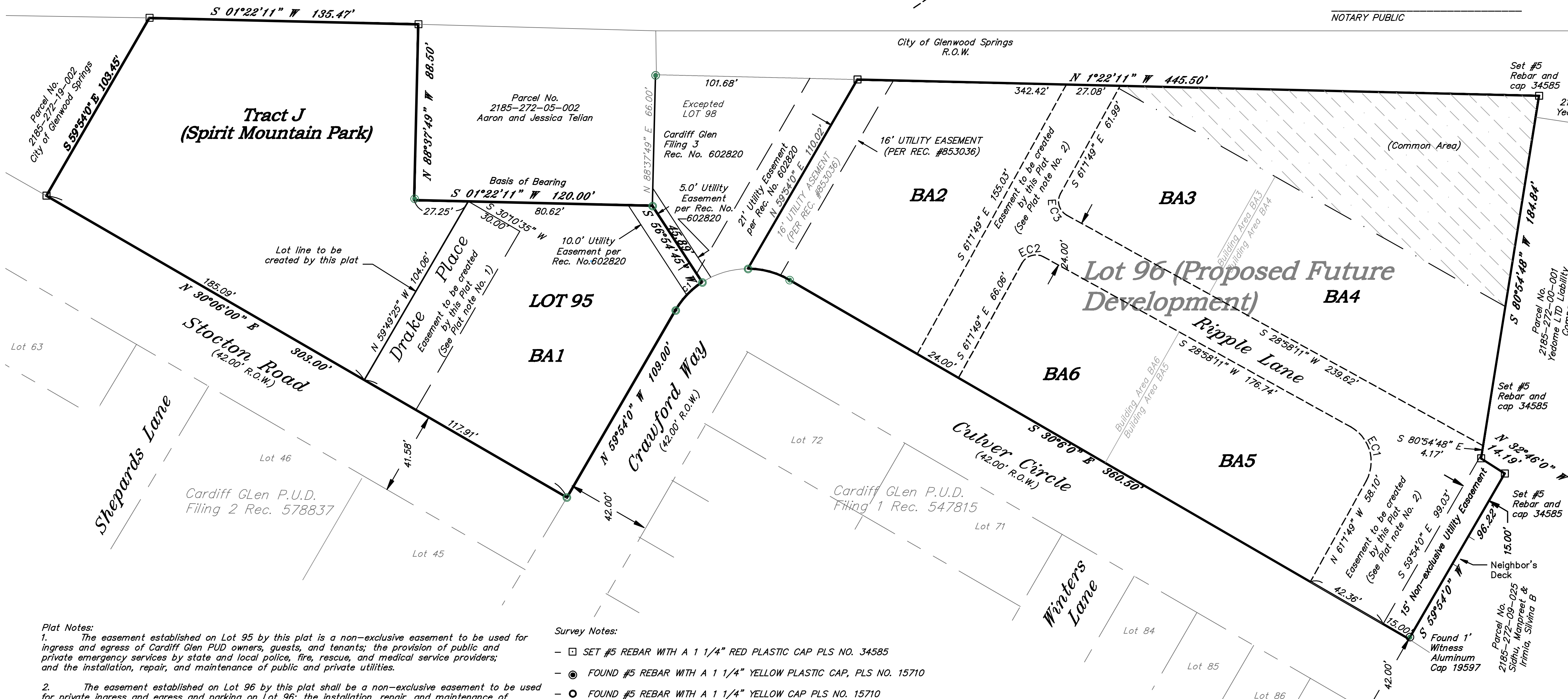
LOT 96 EASEMENT CURVE TABLE						
CURVE	RADIUS	LENGTH TANGENT	CHORD	CHD BRG	DELTA	
EC1	20.00'	31.42'	20.00'	N 73°58'11" E	90°0'0"	
EC2	8.00'	12.57'	8.00'	N 16°1'49" W	90°0'0"	
EC3	8.00'	12.57'	8.00'	S 73°58'11" W	90°0'0"	

Amended Plat of Cardiff Glen P.U.D. Filing No. 8 Resubdivision of Lot 95 Preliminary Plat of SOLSTICE NEIGHBORHOOD AND SPIRIT MOUNTAIN PARK

A parcel of land situated in the Northeast 1/4
of the Northwest 1/4 of Section 27, Township 6
South, Range 89 West of the 6th P.M.,
County of Garfield, State of Colorado
The purpose of this Plat is to subdivide Lot 95 into two parcels
and to establish building areas and easements on Lots 95 and 96.



Parcel No.
2185-271-00-051 Aaron and
Source Gas Distribution LLC



- Plat Notes:
- The easement established on Lot 95 by this plat is a non-exclusive easement to be used for ingress and egress of Cardiff Glen PUD owners, guests, and tenants; the provision of public and private emergency services by state and local police, fire, rescue, and medical service providers; and the installation, repair, and maintenance of public and private utilities.
 - The easement established on Lot 96 by this plat shall be a non-exclusive easement to be used for private ingress and egress and parking on Lot 96; the installation, repair, and maintenance of public and private utilities; construction on Lot 96; and the provision of emergency services to Lot 96 by public or private service agencies, including state and local police, fire, rescue, and medical service providers.
 - The Building Areas (denoted with "BA") depicted on this plat identify building envelopes within which townhome units may be constructed. Upon the completion of construction of any such structure, each building area may be subdivided or condominiumized. In addition, the subdivision or condominium plat for each building area may declare and create general common elements and limited common elements appurtenant to a particular lot or unit, as applicable, subject to any easements established by this plat, separate documents, or otherwise. General common elements will be dedicated to the Solstice Townhome Association for used in accordance with the Declaration for Solstice Townhomes.

- Survey Notes:
- SET #5 REBAR WITH A 1 1/4" RED PLASTIC CAP PLS NO. 34585
 - FOUND #5 REBAR WITH A 1 1/4" YELLOW PLASTIC CAP, PLS NO. 15710
 - FOUND #5 REBAR WITH A 1 1/4" YELLOW CAP PLS NO. 15710
 - BEARINGS ARE BASED UPON FOUND #5 REBAR WITH 1 1/4" YELLOW PLASTIC CAP, PLS # 29030 12" WITNESS CORNER AND FOUND #5 REBAR YELLOW PLASTIC CAP, PLS NO. 15710 ON THE SOUTH LINE BLAKEWOOD COURT SUBDIVISION LOT 1 RECORDED AT RECEPTION NO. 429609, USING A BEARING OF N 88°36'00"E BETWEEN THE TWO DESCRIBED MONUMENTS AS SHOWN HEREON.
 - THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL EASEMENTS, RIGHTS-OF-WAYS AND AVIGATION EASEMENT OR OTHER RESTRICTIONS AS NOTED ON LAND TITLE COMMITMENT NO ABS63012932 DATED JUNE 6, 2018.
 - NOTICE: ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE (3) YEARS AFTER YOU DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN (10) YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

- Survey notes continued:
- ALL THREE STREETS ARE 19' OF ASPHALT WITH 1.5 FEET OF CONCRETE PAN AND FLOWLINE TO FACE OF CURB ON THE BOTH SIDES OF THE STREET. 22' OF DRIVABLE ROAD PLATFORM, FACE OF CURB TO FACE OF CURB, THESE ARE NOT ROLL OVER CURBS. THEY ARE STAND-UP CURBS. TYPICAL CARDIFF GLEN COLLECTOR STREET. FACE OF CURB TO A 1.5' ASPHALT 19' A TO FACE OF CURB 1.5' TOTAL DRIVABLE SURFACE 1 IS = 22'. AFFECTS STOCKTON ROAD, CRAWFORD ROAD AND CULVER Circle.
 - THIS PROPERTY MAY BE SUBJECT TO A 5.0 FOOT COLORADO DEPARTMENT OF HIGHWAYS RIGHT-OF-WAY EASEMENT ALONG THE WESTERLY PROPERTY LINE. NO INFORMATION WAS MADE AVAILABLE BY THE CLIENT.
 - WITNESS CORNER REFERENCED FROM RECEPTION NO. 429609
 - BASE FLOOD ELEVATION LINE WAS TAKEN FROM FEMA MAP PANEL 1453 OF 1900, NO. 080205 1453 B, EFFECTIVE DATE JANUARY 03, 1986.

CERTIFICATE OF DEDICATION AND OWNERSHIP

KNOW BY ALL MEN BY THESE PRESENTS THAT CARDIFF 96 LLC, BEING THE SOLE OWNER IN FEE SIMPLE OF ALL THAT REAL PROPERTY BEING DESCRIBED AS FOLLOWS: LOT 96, CARDIFF GLEN P.U.D., ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1999 AS RECEPTION NO. 547815, COUNTY OF GARFIELD, STATE OF COLORADO ALSO DESCRIBED AS FOLLOWS:
LOT 95, CARDIFF GLEN P.U.D., BEGINNING AT THE MOST SOUTHWESTERLY CORNER OF SAID LOT 95; THENCE N 30°06'00" E ALONG THE NORTHWESTERLY LINE OF SAID LOT 95, A DISTANCE OF 303.00 FEET TO THE MOST NORTHWESTERLY CORNER OF SAID LOT 95; THENCE S 59°54'0" E, A DISTANCE OF 103.45 FEET TO THE MOST NORTHEASTERLY CORNER OF SAID LOT 95; THENCE S 01°22'11" W, A DISTANCE OF 135.47 FEET TO AN ANGLE POINT; THENCE N 88°37'49" W, A DISTANCE OF 88.50 FEET TO AN ANGLE POINT; THENCE S 01°22'11" W, A DISTANCE OF 120.00 FEET TO THE MOST SOUTHEASTERLY CORNER OF SAID LOT 95; THENCE S 56°54'45" W ALONG THE SOUTHEASTERLY LINE OF SAID LOT 95 A DISTANCE OF 45.89 FEET TO THE A POINT ON THE NORTHERLY RIGHT OF WAY OF CRAWFORD WAY; THENCE ALONG THE SAID NORTHERLY RIGHT OF WAY FOR THE FOLLOWING TWO (2) COURSES:
1. THENCE ALONG A CURVE TO THE LEFT HAVING A WITH A RADIUS OF 42.00 FEET, AN ARC LENGTH OF 19.66 FEET, WITH A TANGENT OF 10.01 FEET, CHORD WHICH BEARS S 46°29'43" W, A DISTANCE OF 19.48 FEET AND A DELTA ANGLE OF 333°11'05".
2. THENCE N 59°54'0" W, 109.00 FEET TO THE POINT OF BEGINNING, CONTAINING 39,398 SQ. FT. 0.904 ACRES MORE OR LESS;
HAVE BY THESE PRESENTS LAID OUT, PLATTED AND SUBDIVIDED INTO LOTS AS SHOWN HEREON AND DESIGNATE THE SAME AS AMENDED PLAT OF CARDIFF GLEN P.U.D. FILING NO. 8 RESUBDIVISION OF LOT 95 AND LOT 96 PRELIMINARY PLAT OF SOLSTICE NEIGHBORHOOD AND SPIRIT MOUNTAIN PARK IN THE CITY OF GLENWOOD SPRINGS, COUNTY OF GARFIELD, COLORADO, AND DO HEREBY GRANT TO THE CITY OF GLENWOOD SPRINGS, COUNTY OF GARFIELD, COLORADO, FOR PUBLIC USE THE STREETS SHOWN HEREON INCLUDING AVENUE, DRIVES, COURTS, PLACES AND ALLEYS, THE PUBLIC LANDS SHOWN HEREON FOR THEIR INDICATED PUBLIC USE, AND THE UTILITY AND DRAINAGE EASEMENTS SHOWN HEREON FOR UTILITY AND DRAINAGE PURPOSES ONLY; AND SO FURTHER STATE THAT THIS SUBDIVISION SHALL BE SUBJECT TO THE PROTECTIVE COVENANTS FILED AND RECORDED FOR THIS SUBDIVISION IN THE OFFICE OF THE CLERK AND RECORDER OF GARFIELD COUNTY, COLORADO AS RECEPTION NO. _____ AND SUBJECT TO THE SUBDIVISION AGREEMENT FILED AND RECORDED FOR THIS SUBDIVISION IN THE OFFICE OF THE CLERK AND RECORDER OF GARFIELD COUNTY, COLORADO AS RECEPTION NO. _____

EXECUTED THIS _____ DAY OF _____, A.D. 20____.

OWNER _____

STATE OF COLORADO
COUNTY OF _____

THE FOREGOING DEDICATION WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____, A.D. 20____, BY _____.

MY COMMISSION EXPIRES _____
WITNESS MY HAND AND SEAL _____

NOTARY PUBLIC _____

SURVEYOR'S CERTIFICATE

I, JEFFREY ALLEN TUTTLE, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF COLORADO, THAT THIS PLAT IS A TRUE, CORRECT AND COMPLETE PLAT OF THE AMENDED PLAT OF CARDIFF GLEN P.U.D. FILING NO. 8 RESUBDIVISION OF LOT 95 AND LOT 96 PRELIMINARY PLAT OF SOLSTICE NEIGHBORHOOD AND SPIRIT MOUNTAIN PARK IN THE CITY OF GLENWOOD SPRINGS, COUNTY OF GARFIELD, COLORADO, AS LAID OUT, PLATTED, AND SHOWN HEREON, THAT SUCH PLAT WAS MADE FROM AN ACCURATE SURVEY OF SAID PROPERTY BY ME AND UNDER MY SUPERVISION AND CORRECTLY SHOWS THE LOCATION AND DIMENSIONS OF THE LOTS EASEMENTS AND STREETS OF SAID SUBDIVISION AS THE SAME ARE STAKED UPON THE GROUND IN COMPLIANCE WITH THE CITY OF GLENWOOD SPRINGS REGULATION GOVERNING THE SUBDIVISION OF LAND.

IN WITNESS WHEREOF, I HAVE SET MY HAND AND SEAL THIS _____ DAY OF _____, A.D. 2018.

REGISTERED LAND SURVEYOR

CITY COUNCIL CERTIFICATE:

THE PLAT WAS APPROVED BY THE CITY COUNCIL OF GLENWOOD SPRINGS, GARFIELD COUNTY, COLORADO THIS _____ DAY OF _____, A.D. 20____, FOR FILING WITH THE CLERK AND RECORDER OF GARFIELD COUNTY AND FOR CONVEYANCE TO THE CITY. THE PUBLIC DEDICATIONS SHOWN HEREON SUBJECT TO THE PROVISION THAT THE APPROVAL IN NO WAY OBLIGATES THE CITY OF GLENWOOD SPRINGS FOR FINANCING OR CONSTRUCTION OF IMPROVEMENTS ON LAND, STREETS OR EASEMENTS DEDICATED TO THE PUBLIC EXCEPT AS SPECIFICALLY AGREED TO BY THE CITY COUNCIL IN THE SUBDIVISION AGREEMENT.

MAYOR
WITNESS MY HAND AND THE SEAL OF THE CITY OF GLENWOOD SPRINGS.

ATTEST:

CITY CLERK _____

CLERK AND RECORDER'S CERTIFICATE:

THIS PLAT WAS FILED FOR RECORDING IN THE OFFICE OF THE CLERK AND RECORDER OF GARFIELD COUNTY AT _____ O'CLOCK, ____M. AS RECEPTION NO. _____

CLERK AND RECORDER _____

BY: _____
DEPUTY

Notice:
According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any legal action based upon any defect in this survey be commenced more than ten years from the date of the certification shown.

TUTTLE SURVEYING SERVICES
727 Blake Avenue
Glenwood Springs, Colorado 81601
(970) 928-9708 (FAX 947-9007)
Email- jeff@tss-us.com

TSS
TUTTLE SURVEYING SERVICES

**SOLSTICE NEIGHBORHOOD AND
SPIRIT MOUNTAIN PARK**

Property Owner:
CARDIFF96 LLC
ADDI PIRZANEH-MANAGER
0110 SPUR DRIVE
GLENWOOD SPRINGS, CO
81601

**Parcel 95 and Parcel 96
Glenwood Spgs, CO 81615**

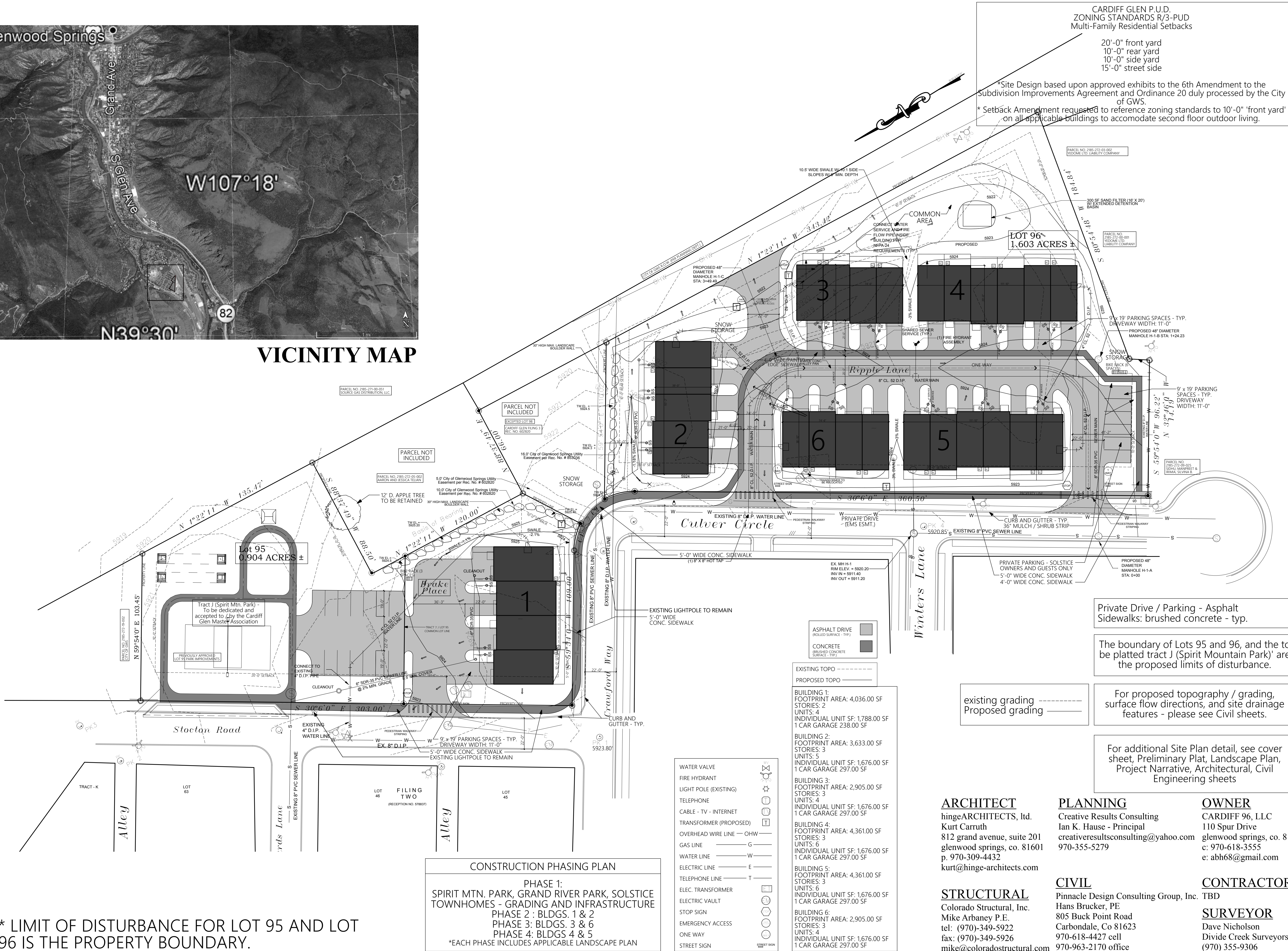
Drawn by: DMC
Date: 11/09/2018
Z: 2018\Cardiff\Spiritmtn\95 96Plat.dwg

PP1

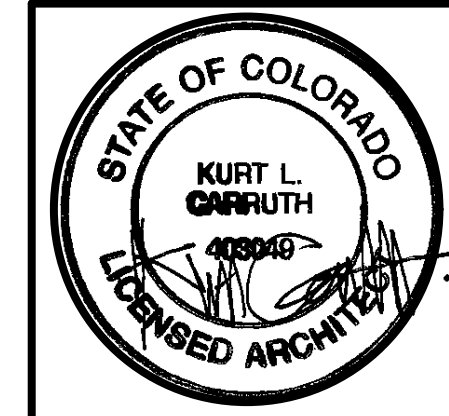
1
OF 1



VICINITY MAP



* LIMIT OF DISTURBANCE FOR LOT 95 AND LOT 96 IS THE PROPERTY BOUNDARY.



Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING	ISSUE
Development Plan Review set	10-22-18
Development Plan Review Updates	11-02-18
Development Plan Review Updates	11-12-18

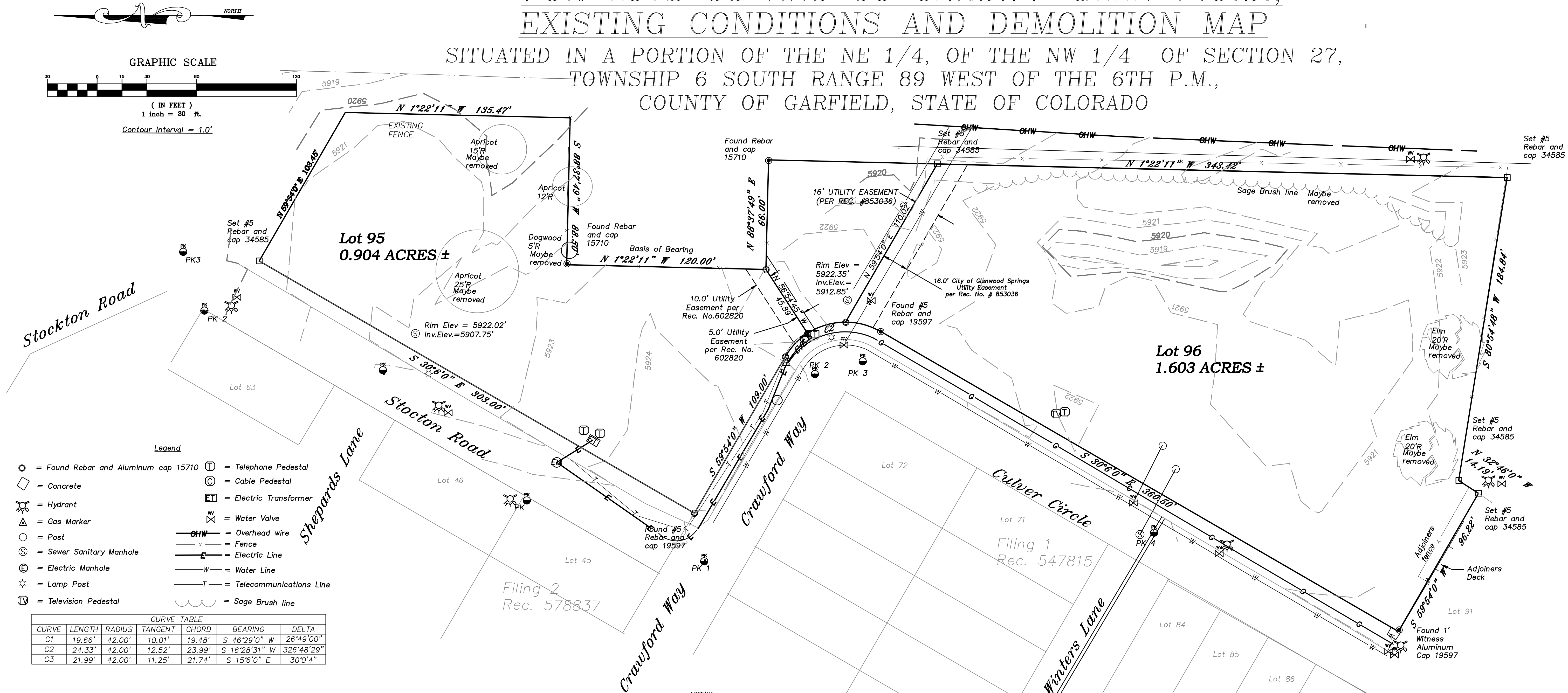
Project designed and drawn to adhere to the 2015 IRC.

SITE PLAN
SP1
1" = 30'-0"

SITE SURVEY OF:

FOR LOTS 95 AND 96 CARDIFF GLEN P.U.D.,
EXISTING CONDITIONS AND DEMOLITION MAP

SITUATED IN A PORTION OF THE NE 1/4, OF THE NW 1/4 OF SECTION 27,
TOWNSHIP 6 SOUTH RANGE 89 WEST OF THE 6TH P.M.,
COUNTY OF GARFIELD, STATE OF COLORADO



PROPERTY DESCRIPTION

PARCEL B.

BEGINNING AT A POINT WHICH IS THE NORTHWESTERLY CORNER OF PARCEL B, SITUATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 27, TOWNSHIP 6 SOUTH, RANGE 89 WEST OF THE 6TH P.M., WHENCE THE NORTHERLY CORNER OF SAID CARDIFF GLEN P.U.D. BEARS N 17°16'35" W 599.63 FEET AND THE WITNESS CORNER TO THE N 1/4 CORNER TO SECTION 27, TOWNSHIP 6, SOUTH, RANGE 89 WEST OF THE 6TH P.M., BEARS N 14°18'23" W 449.78 FEET;
THENCE S 59°54'00" E 103.45 FEET;
THENCE S 01°22'11" W 135.47 FEET;
THENCE N 88°37'49" W 88.50 FEET;
THENCE S 01°22'11" W 120.00 FEET;
THENCE S 56°54'45" W 45.89 FEET;
THENCE NORTHERLY 19.66 FEET ALONG THE ARC OF A CURVE TO THE LEFT WITH A RADIUS OF 42.00 FEET, A DELTA OF 26°49'00" AND A CHORD BEARING N 46°29'00" W 19.48 FEET;
THENCE N 59°54'00" W 109.00 FEET;
THENCE N 30°06'00" E 303.00 FEET; TO THE POINT OF BEGINNING.

PARCEL B AS DESCRIBED ABOVE CONTAINS 0.904 ACRES MORE OR LESS.

COUNTY OF GARFIELD
STATE OF COLORADO

PARCEL C.

BEGINNING AT A POINT WHICH IS THE NORTHWESTERLY CORNER OF PARCEL C, SITUATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 27, TOWNSHIP 6 SOUTH, RANGE 89 WEST OF THE 6TH P.M., WHENCE THE NORTHERLY CORNER OF SAID CARDIFF GLEN P.U.D. BEARS N 08°35'21" W 926.64 FEET AND THE WITNESS CORNER TO THE N 1/4 CORNER TO SECTION 27 TOWNSHIP 6, SOUTH, RANGE 89 WEST OF THE 6TH P.M., BEARS N 05°23'18" W 792.55 FEET;
THENCE S 59°54'00" E 110.02 FEET;
THENCE S 01°22'11" W 343.32 FEET;
THENCE N 80°54'48" W 184.84 FEET;
THENCE S 32°46'00" W 14.19 FEET;
THENCE S 59°54'00" W 96.22 FEET;
THENCE N 30°06'00" E 360.50 FEET;
THENCE NORTHEASTERLY 21.99 FEET ALONG THE ARC OF A CURVE TO THE LEFT WITH A RADIUS OF 42.00 FEET, A DELTA OF 30°00'00" AND A CHORD BEARING N 15°06'00" E 21.74 FEET; TO THE POINT OF BEGINNING.

PARCEL C AS DESCRIBED ABOVE CONTAINS 1.603 ACRES MORE OR LESS.

COUNTY OF GARFIELD
STATE OF COLORADO

NOTES

- 1) Date of Survey: June 14, 2018.
- 2) Date of Preparation: June 14, 2018.
- 3) Basis of Bearing: A bearing of S 29°56'31" W Between the found Aluminum cap at the north west pc and the found 1' witness corner at the south west corner of property as shown.
- 4) Basis of Survey: Recorded improvement survey plat of parcels B, and C, Cardiff Glen P.U.D. by Vista Engineering provided by client, various documents of record, and the found corners as described.
- 5) This survey does not constitute a title search by Divide Creek Surveyors Inc., (DCSI) to determine ownership or easements of record. For all information regarding easements, rights of way and/or title of record, (DCSI) relied upon the title commitment provided by Title Company of the Rockies effective date: November 20, 2015 commitment No. #0905459-C and above said plats described in note 4.
- 7) Utilities and road linework referenced Glenwood Springs GIS and Client documents.
- 8) Basis of elevation provided by client.
- 9) Existing utility equipment maybe relocated.

Note: This topography map complies with National Map Accuracy Standards for topographic maps. Where checked 90% of points should be within 1/2 the contour interval and well defined points should be plotted within 1/50" of their true position. Critical design should be based upon spot elevations, please contact Divide Creek Surveyors Inc for this spot elevation information.

SURVEYOR'S CERTIFICATE

I hereby state that this Site Map was prepared by DIVIDE CREEK SURVEYORS INC., (DCS) for CARDIFF 96, LLC, a Colorado limited liability company. I furthermore state that the improvements on the above described parcel on this date, June 22, 2018, except utility connections are entirely within the boundaries of the parcel except as shown, that there are no encroachments upon the described premises by improvements on any adjoining premises, except as indicated, and that there is no apparent evidence or sign of any easement crossing or burdening any part of said parcel, except as noted. I furthermore state that this property is subject to reservations, restrictions, covenants and easements of record or in place.

DAVID C. NICHOLSON L.S. #34585

ECD1



DIVIDE CREEK SURVEYORS INC.

DAVID C. NICHOLSON
Professional Land Surveyor
L.S. 34585

0029 Colorado River Road
New Castle, Colorado
(970)355-9308

SITE MAP

LOTS 95 AND 96, IN CARDIFF GLEN P.U.D.,
EXISTING CONDITIONS AND DEMOLITION MAP
SITUATED IN A PORTION OF THE NE 1/4, OF THE NW 1/4
OF SECTION 27, TOWNSHIP 6 SOUTH RANGE 89 WEST
OF THE 6TH P.M., COUNTY OF GARFIELD, STATE OF COLORADO

DATE: 06/25/2018 PROJ: 10/15/18 Site Map

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

BUILDING 1:
FOOTPRINT AREA: 4,036.00 SF
STORIES: 2
UNITS: 4
INDIVIDUAL UNIT SF: 1,788.00 SF
1 CAR GARAGE 238.00 SF

BUILDING 2:
FOOTPRINT AREA: 3,633.00 SF
STORIES: 3
UNITS: 5
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 3:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 4:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 5:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 6:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

Existing Site Condition Notes

Existing and Proposed topography shown on grading plan.

There are no identified geological formations, water courses, or water bodies.

Existing and proposed utility locations and easement shown on utility plan.

Trash collection will be by unit and managed by STOA.

There are no proposed lightpoles - existing lightpoles are shown on existing conditions map.

Existing tree to be retained - noted on Landscape plan.

Cluster mailboxes may be located with existing CG mailboxes, per the GWS postmaster. Final location to be confirmed.

Total Project sf:
Lot 95 (not included): 15,450 sf
Lot 96: 69,816 sf
Total: 85,266 sf

Building footprint sf:
Lot 95 - 4,036 sf
Lot 96 - 18,165 sf
Total: 22,201 sf

Impervious s.f. (driveway / sidewalks / individual unit patios)
Lot 95 - 6,181 sf
Lot 96 - 22,307 sf
Total: 28,488 sf

Open space:
85,266 - 22,201 - 28,488 = 34,577 sf

Landscape areas:
LA 1: 11,550 sf - 33% of total open space
LA 2: 20,055 sf - 57% of total open space
LA 3: 3,460 sf - 10 % of total open space

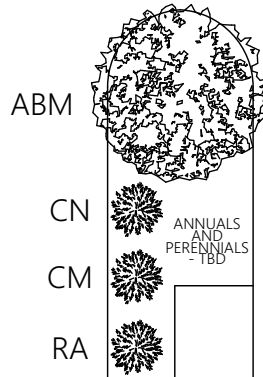
Western Trails Native Grass Seed mix
(20 lbs. / acre)
Sheep Fescue
Perennial Rye Grass
Buffalo Grass
Western Wheatgrass
Little Bluestem grass

Lot landscape Area breakdown

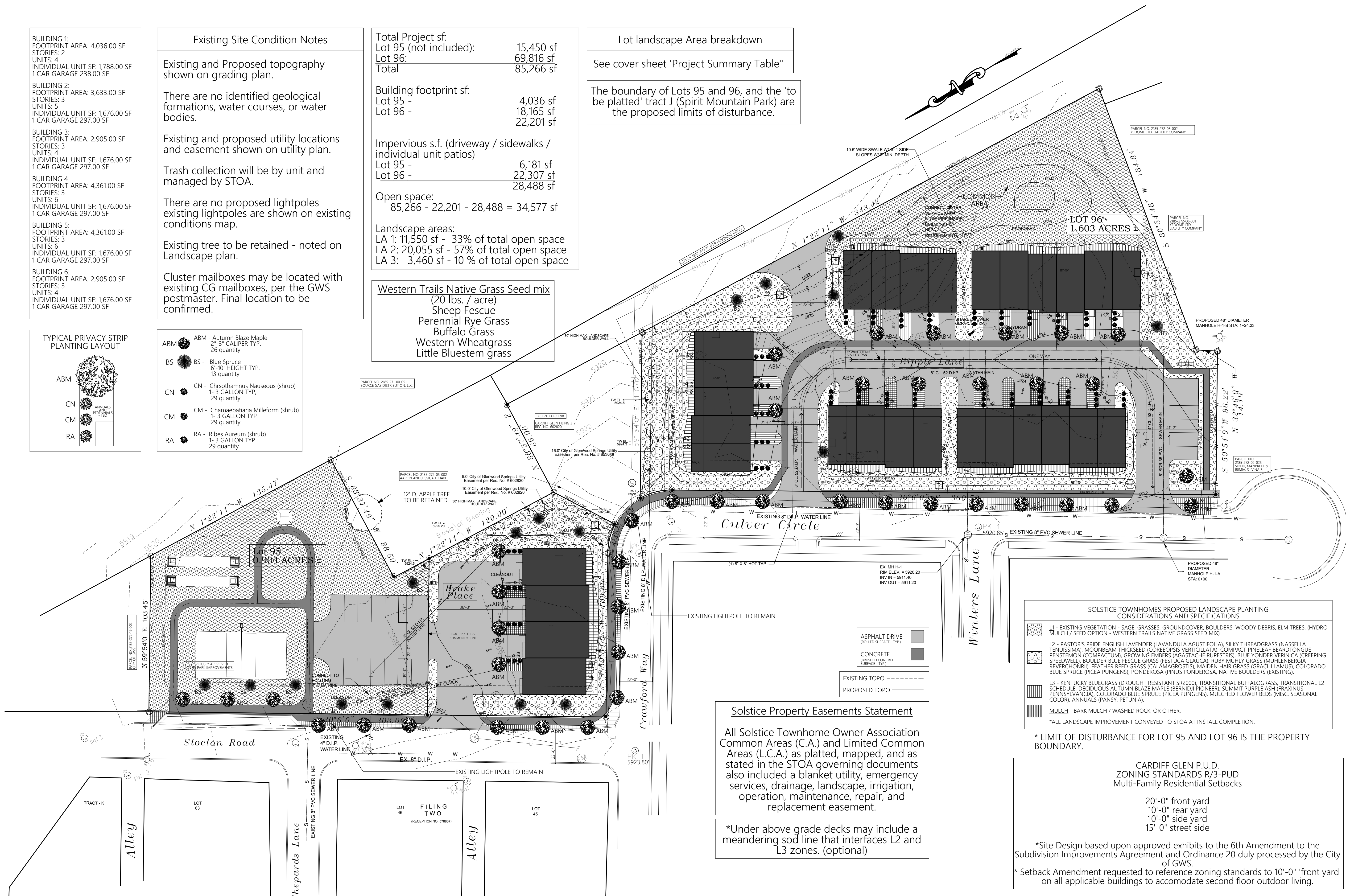
See cover sheet 'Project Summary Table'

The boundary of Lots 95 and 96, and the 'to be platted' tract J (Spirit Mountain Park) are the proposed limits of disturbance.

TYPICAL PRIVACY STRIP PLANTING LAYOUT



- ABM - Autumn Blaze Maple
2"-3" CALIPER TYP.
26 quantity
- BS - Blue Spruce
6'-10' HEIGHT TYP.
13 quantity
- CN - Chroothamnus Nauseous (shrub)
1-3 GALLON TYP.
29 quantity
- CM - Chamaebatia Milleform (shrub)
1-3 GALLON TYP.
29 quantity
- RA - Ribes Aureum (shrub)
1-3 GALLON TYP.
29 quantity



Solstice Property Easements Statement

All Solstice Townhome Owner Association Common Areas (C.A.) and Limited Common Areas (L.C.A.) as platted, mapped, and as stated in the STOA governing documents also included a blanket utility, emergency services, drainage, landscape, irrigation, operation, maintenance, repair, and replacement easement.

*Under above grade decks may include a meandering sod line that interfaces L2 and L3 zones. (optional)

SOLSTICE TOWNHOMES PROPOSED LANDSCAPE PLANTING CONSIDERATIONS AND SPECIFICATIONS

- L1 - EXISTING VEGETATION - SAGE, GRASSES, GROUNDCOVER, BOULDERS, WOODY DEBRIS, ELM TREES, (HYDRO MULCH / SEED OPTION - WESTERN TRAILS NATIVE GRASS SEED MIX).
- L2 - PASTOR'S PRIDE ENGLISH LAVENDER (LAVANDULA AGUSTIFOLIA), SILKY THREADGRASS (NASSELLA TENUISSIMA), MOONBEAM THICKSEED (COREOPSIS VERTICILLATA), COMPACT PINELEAF BEARDE Tongue (PENSTEMON COMPACTUM), GROWING EMBERS (AGASTACHE RUPESTRIS), BLUE YONDER VERNICA (CREEPING SPEEDWELL), BOULDER BLUE FESCUE GRASS (FESTUCA GLAUCA), RUBY MUHLI GRASS (MUHLLENBERGIA REVERCHONII), FEATHER REED GRASS (CALAMAGROSTIS), MAIDEN HAIR GRASS (GRACILLAMUS), COLORADO BLUE SPRUCE (PICEA PUNGENS), PONDEROSA (PINUS PONDEROSA, NATIVE BOULDERS (EXISTING).
- L3 - KENTUCKY BLUEGRASS (DROUGHT RESISTANT SR2000), TRANSITIONAL BUFFALOGRASS, TRANSITIONAL L2 SCHEDULE, DECIDUOUS AUTUMN BLAZE MAPLE (BERNIDI) PIONEER, SUMMIT PURPLE ASH (FRAXINUS PENNSYLVANIA), COLORADO BLUE SPRUCE (PICEA PUNGENS), MULCHED FLOWER BEDS (MISC. SEASONAL COLOR), ANNUALS (PANSY, PETUNIA).
- MULCH - BARK MULCH / WASHED ROCK, OR OTHER.
- *ALL LANDSCAPE IMPROVEMENT CONVEYED TO STOA AT INSTALL COMPLETION.

* LIMIT OF DISTURBANCE FOR LOT 95 AND LOT 96 IS THE PROPERTY BOUNDARY.

CARDIFF GLEN P.U.D.
ZONING STANDARDS R/3-PUD
Multi-Family Residential Setbacks

20'-0" front yard
10'-0" rear yard
10'-0" side yard
15'-0" street side

*Site Design based upon approved exhibits to the 6th Amendment to the Subdivision Improvements Agreement and Ordinance 20 duly processed by the City of GWS.
* Setback Amendment requested to reference zoning standards to 10'-0" 'front yard' on all applicable buildings to accommodate second floor outdoor living.

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TBD

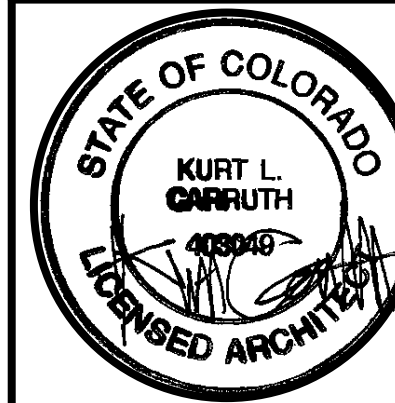
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Landscape Plan

L1

Scale: 1" = 30'-0"



Solstice Townhomes

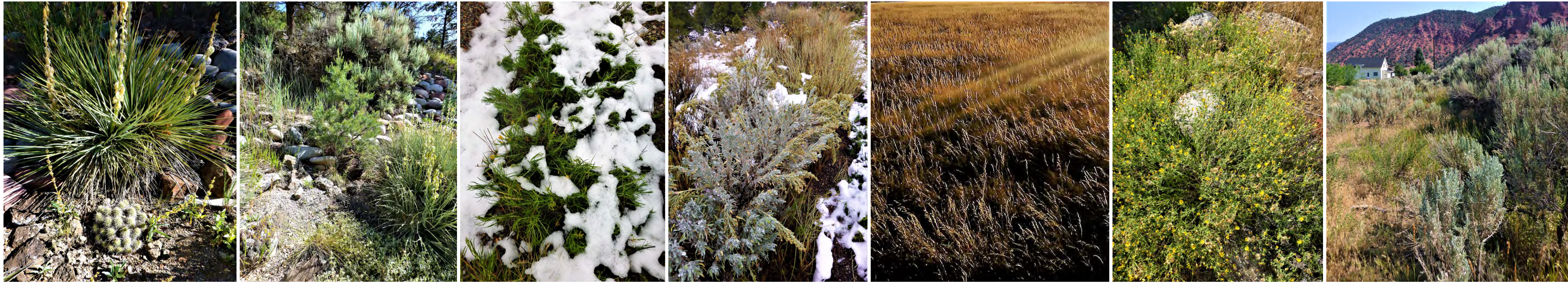
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

Development Plan Review set
10-22-18
Development Plan Review Updates
11-02-18
Development Plan Review Updates
11-12-18

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L1 CHARACTER



L2 CHARACTER



L3 CHARACTER



SOLSTICE TOWNHOMES
COMMON AREA AND OPEN SPACE
LANDSCAPE AREA CONSIDERATIONS

LANDSCAPE AREA 1 – EXISTING VEGETATION (LA1) – LA1 IS PLANNED TO BE PRESERVED AND PROTECTED WHEREVER POSSIBLE. PRACTICAL AND ATTRACTIVE. WE HAVE IDENTIFIED AND SURVEYED IN DESIRABLE SPECIES BASED ON THESE CRITERIA. THESE INCLUDE EXISTING DROUGHT TOLERANT GRASSES, GROUND COVERS, AND SAGEBRUSH.

LANDSCAPE AREA 2 – TRANSITIONAL LOCALSCAPE (LA2) – LA2 IS INTENDED TO BE TRANSITIONAL AS SOLSTICE FORMS FROM THE EXISTING HIGH DESERT VEGETATION TO PASSIVE OPEN SPACE AREAS. ON SITE BOULDERS AND LOW MAINTENANCE/DROUGHT TOLERANT PLANTINGS ARE PLANNED.

LANDSCAPE AREA 3 – FIRESAFE FORMALSCAPE (LA3) – LA3 IS INTENDED TO PROVIDE A RICH BLUEGRASS TURF WHICH WILL DEFINE THE MASTER AND LIMITED COMMON AREA ADJACENT TO DRAKE PLACE, RIPPLE LAKE AND THE SOLSTICE TOWNHOMES. INTERWOVEN INTO LA3 WILL BE DECIDUOUS AND EVERGREEN TREES, SHRUBS, PERENNIAL PLANNING BEDS, MULCH AND BOULDERS.

PROPOSED LANDSCAPE AREAS 1-3 IMAGES SCHEDULES AND SPECIFICATIONS FOLLOW.

PHILOSOPHY

SAVE, UTILIZE AND CREATE AN ENGAGING, ATTRACTIVE, HYDRO-CONSIDERATE AND SAFE NEIGHBORHOOD, LAND AND STREETScape!

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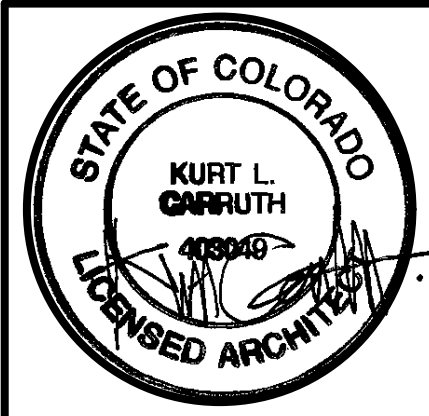
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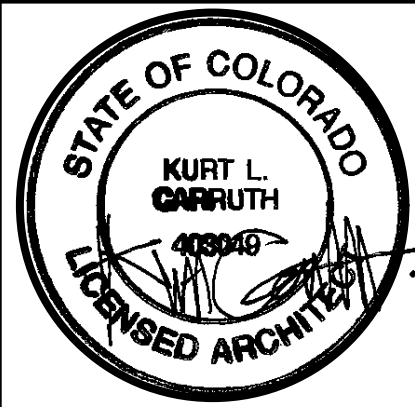
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Landscape Criteria
L2
Scale: 1" = 30'-0"



Solstice Townhomes

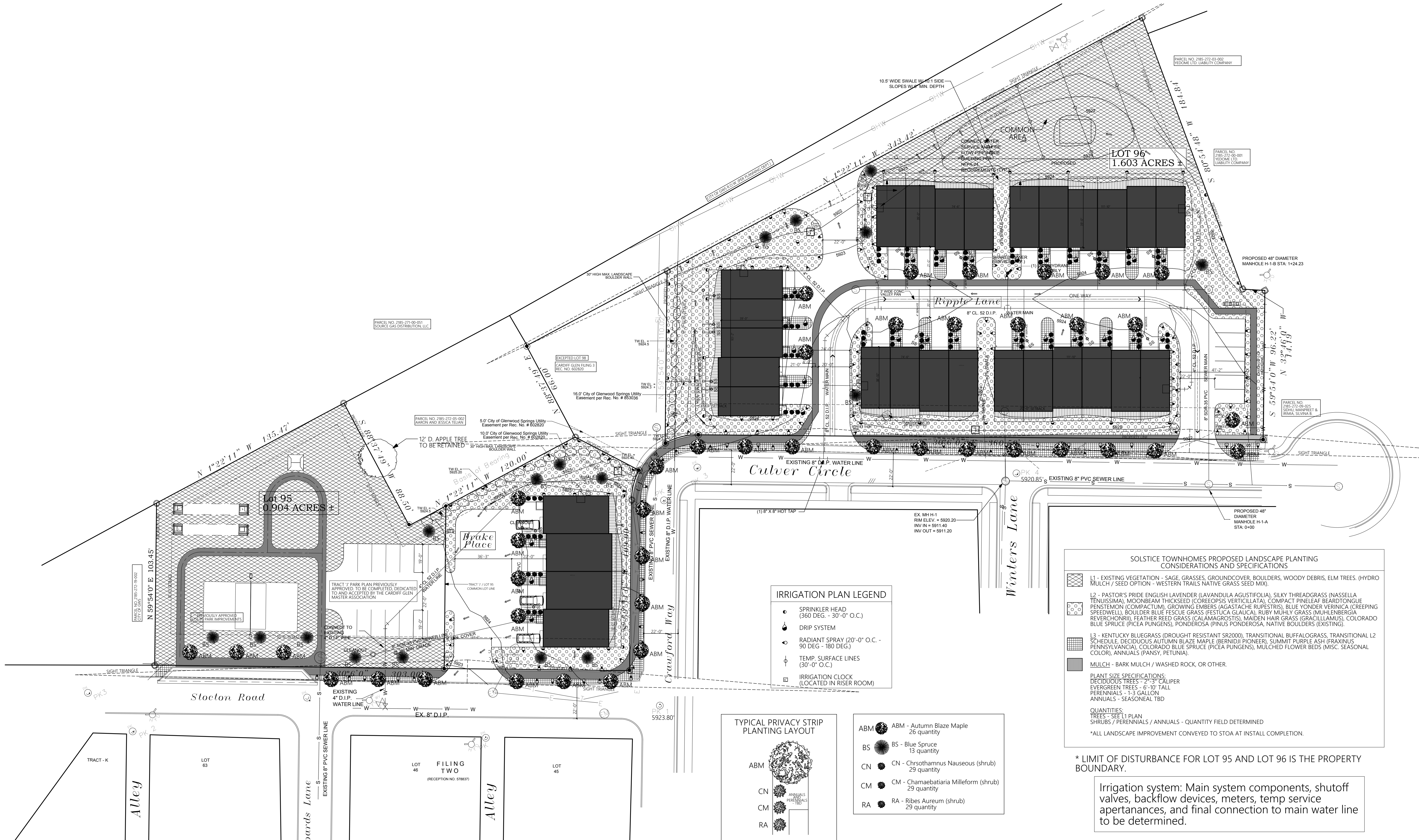
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Irrigation Plan
L3
Scale: 1" = 30'-0"



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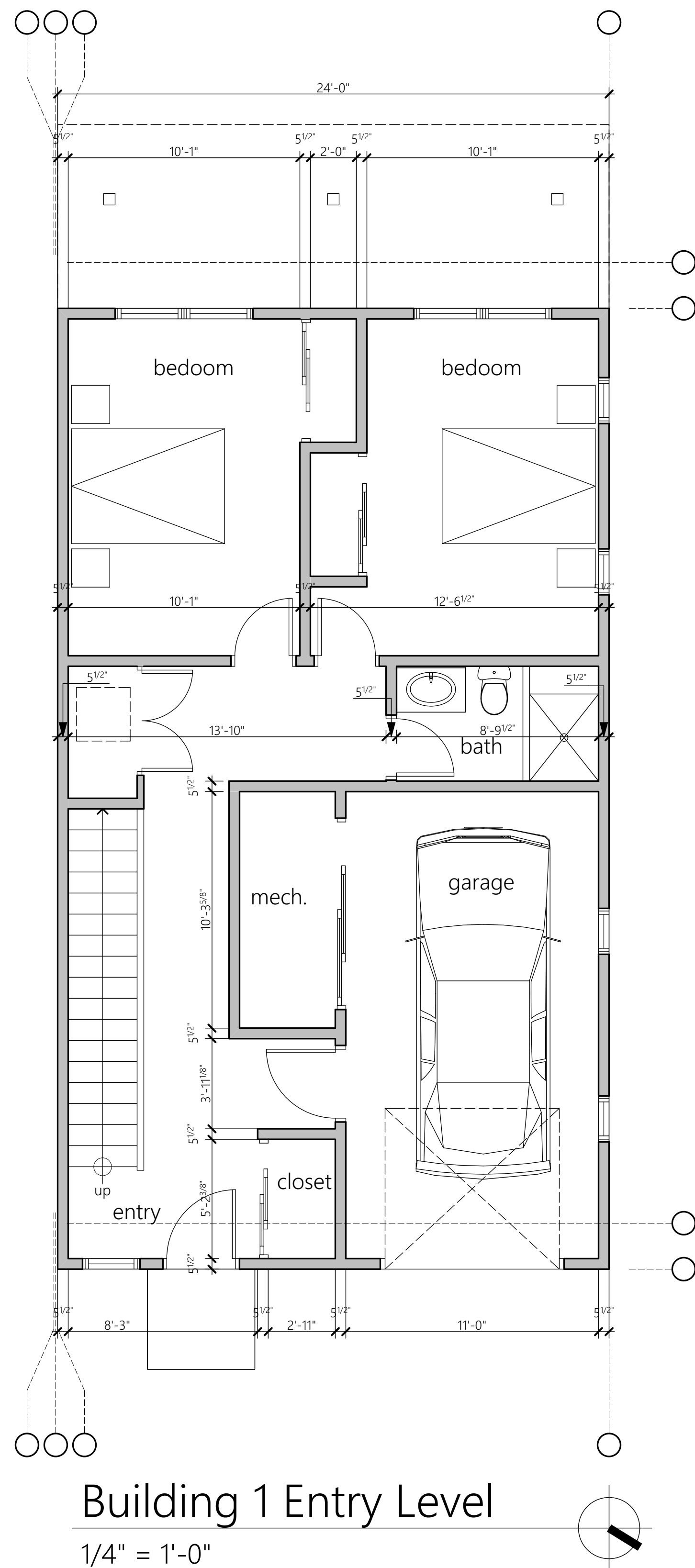
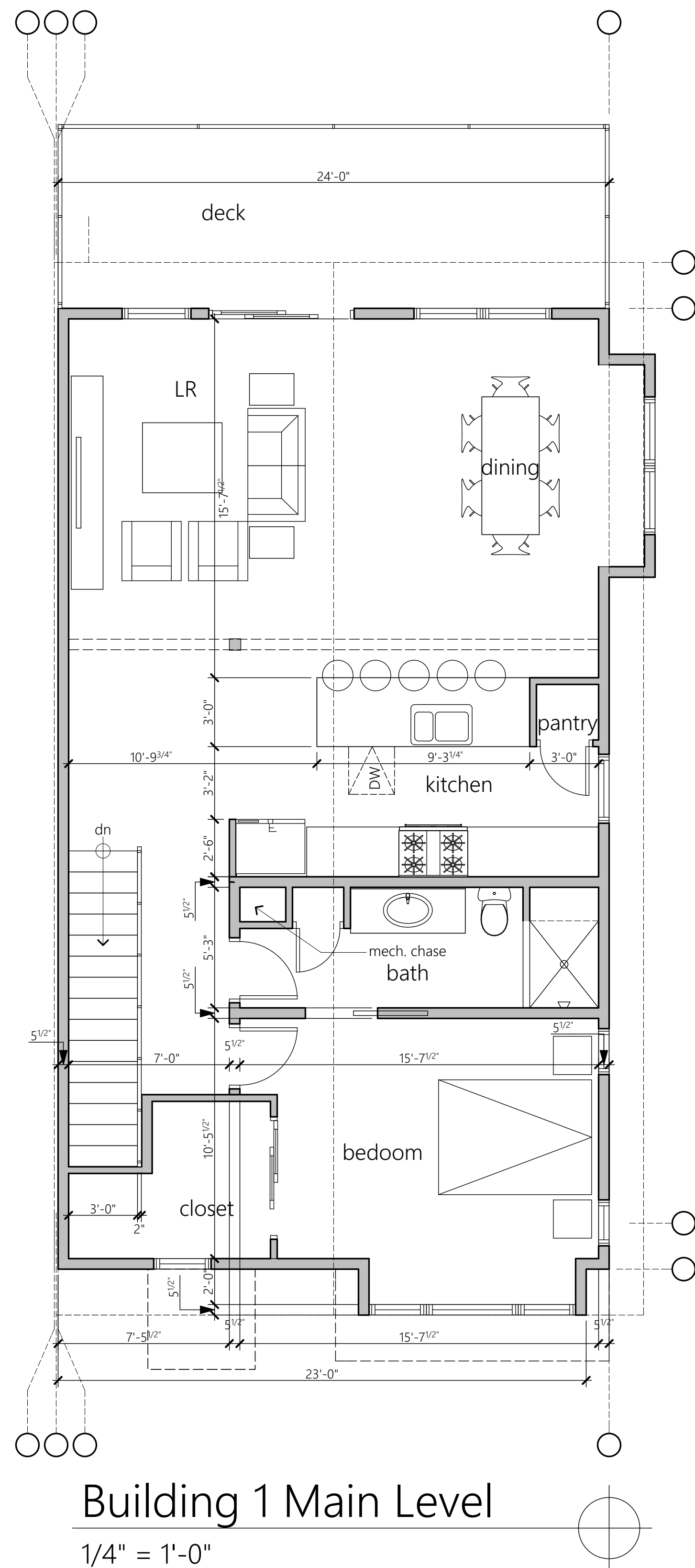
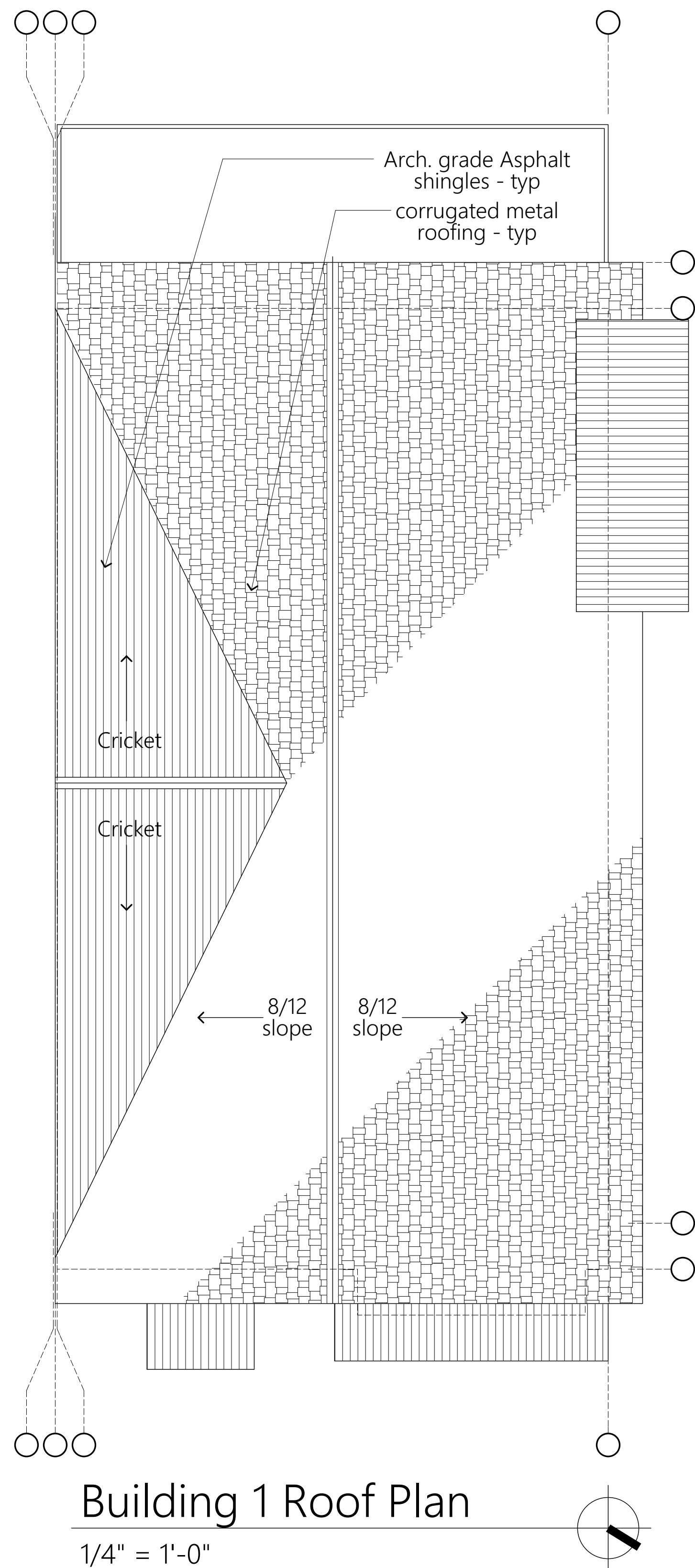
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TYPICAL FOR ALL UNITS LOCATED WITHIN BLDG.
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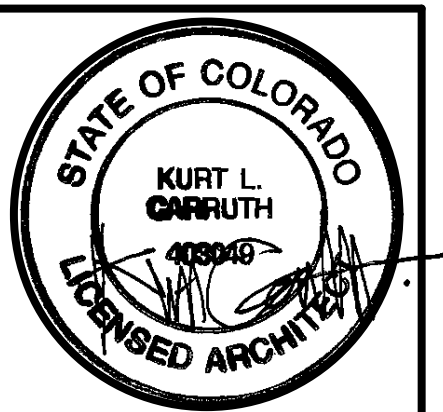
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A2.0A
Buildings Lot 95
Typical



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TYPICAL FOR ALL UNITS LOCATED WITHIN BLDG.
AREAS 2-6 - LOT 96 (SEE PRELIMINARY PLAT)

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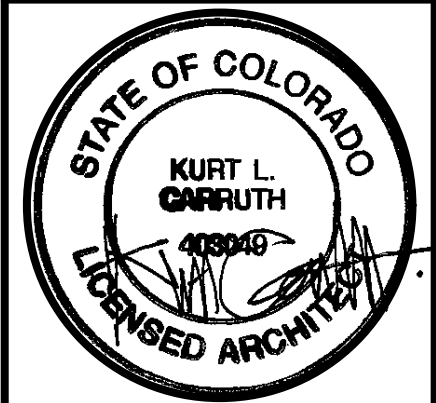
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Solstice Townhomes

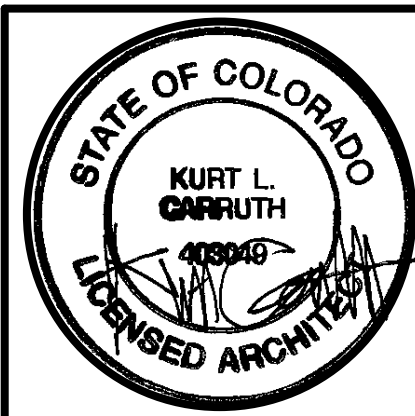
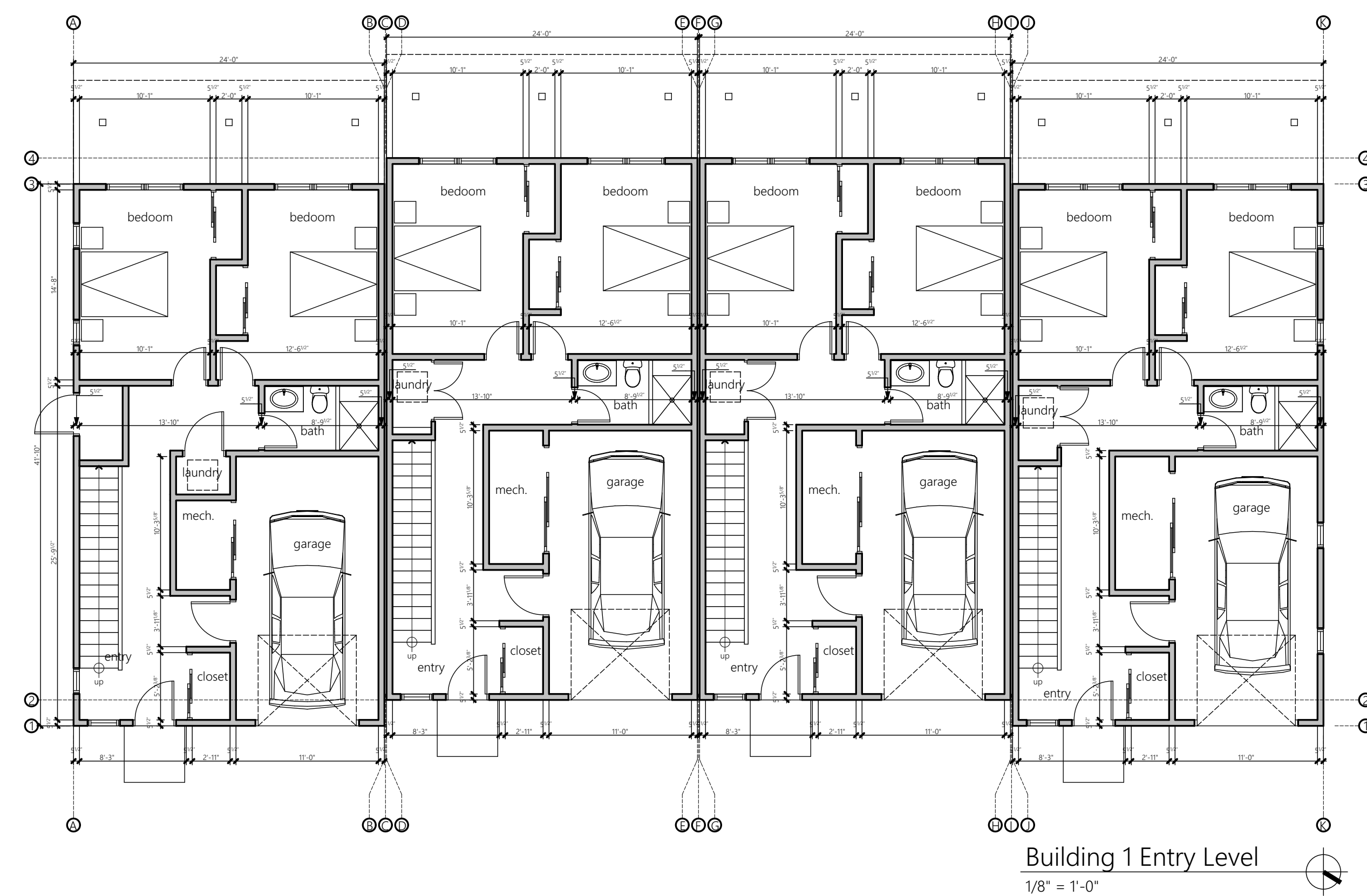
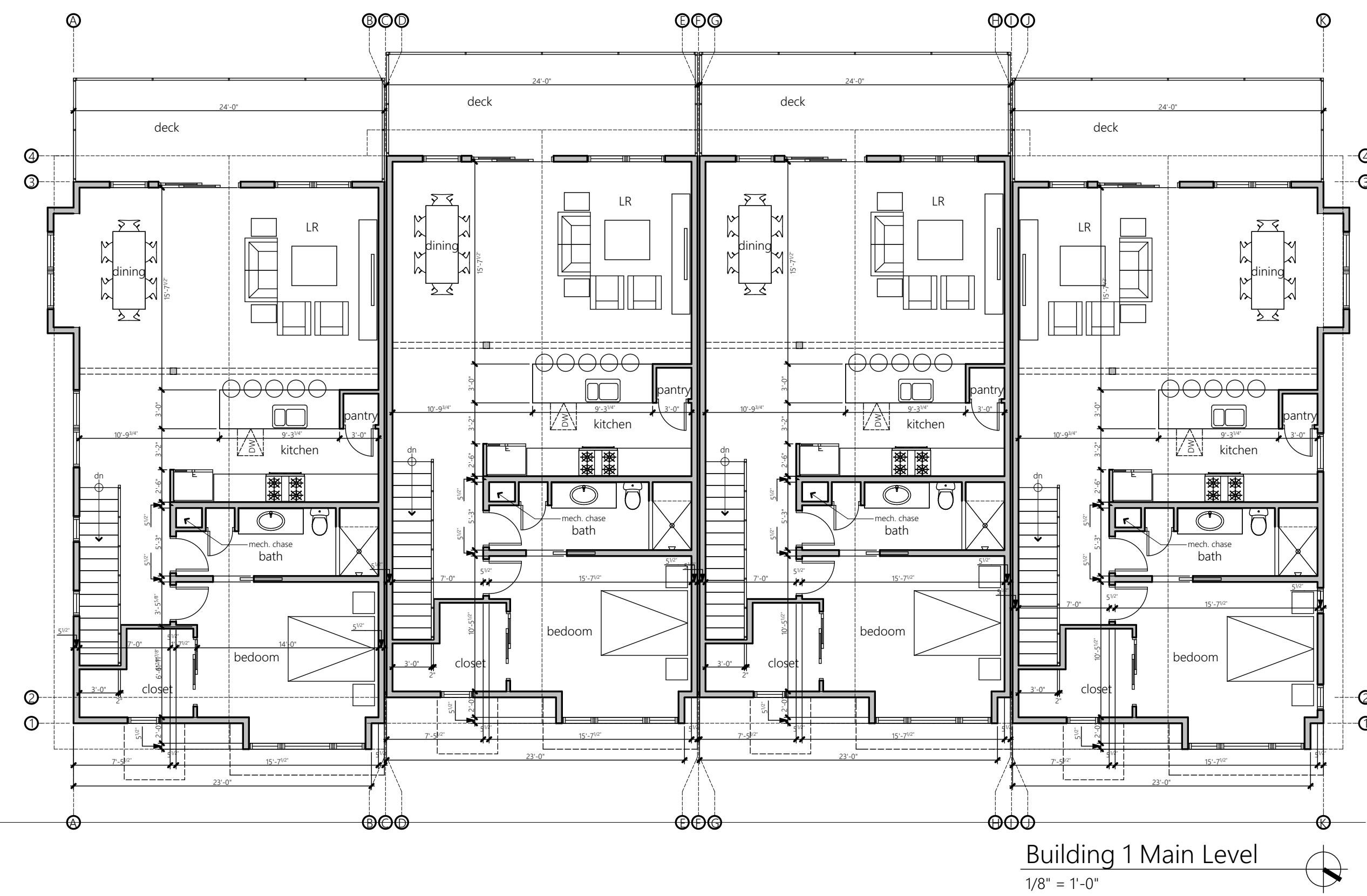
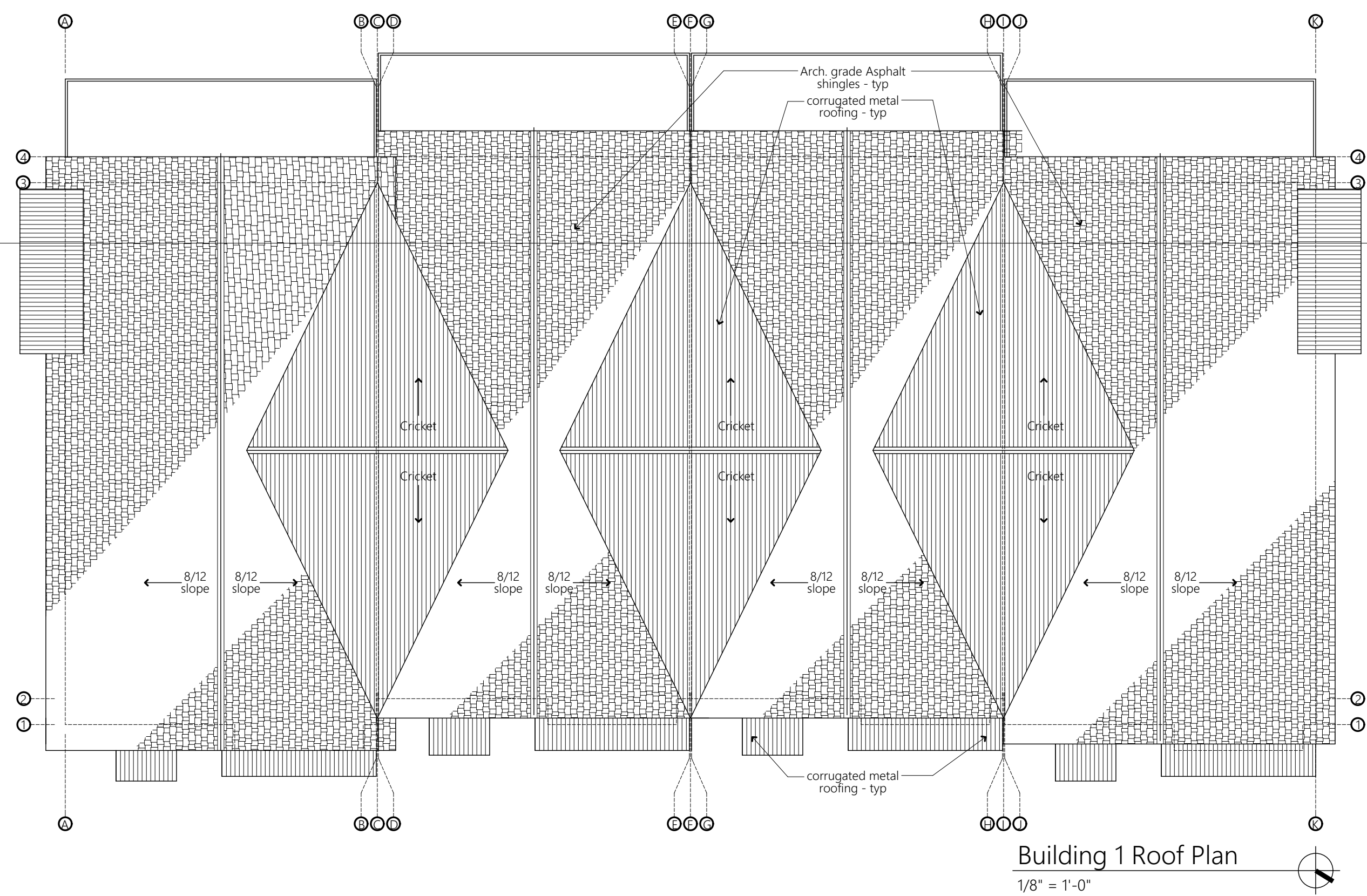
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DRAWING ISSUE

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A2.0B
Buildings Lot 96
Typical



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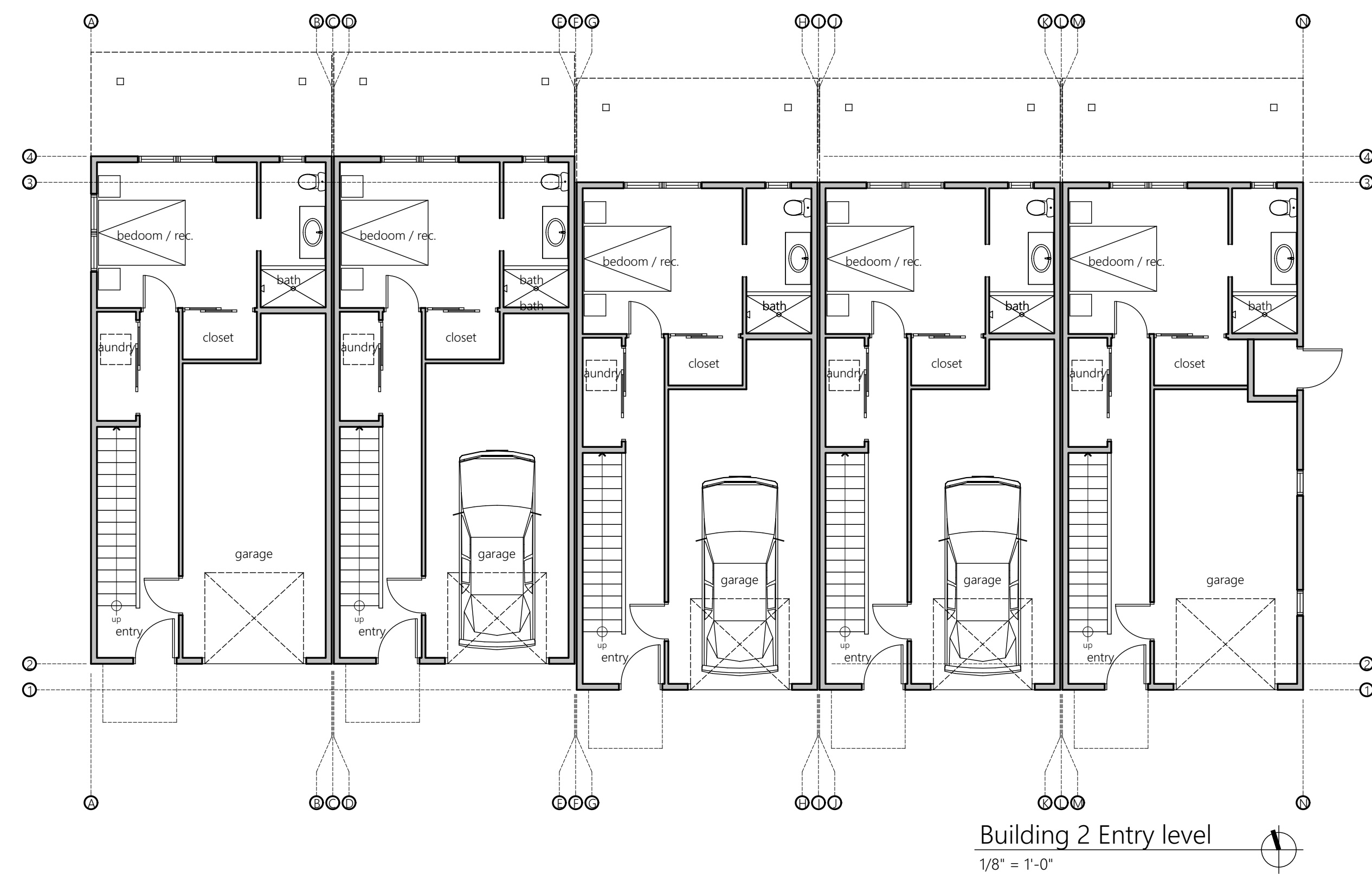
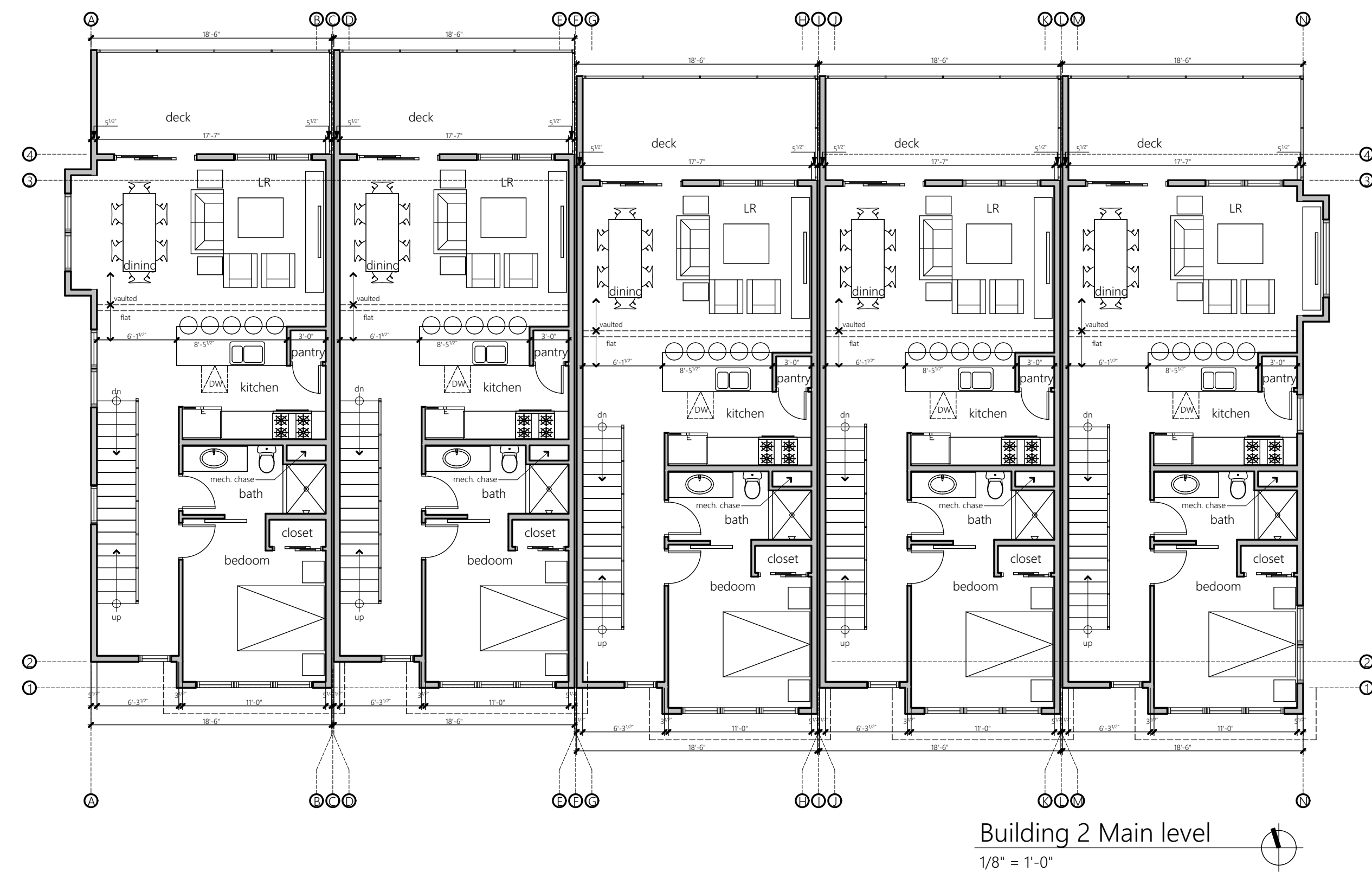
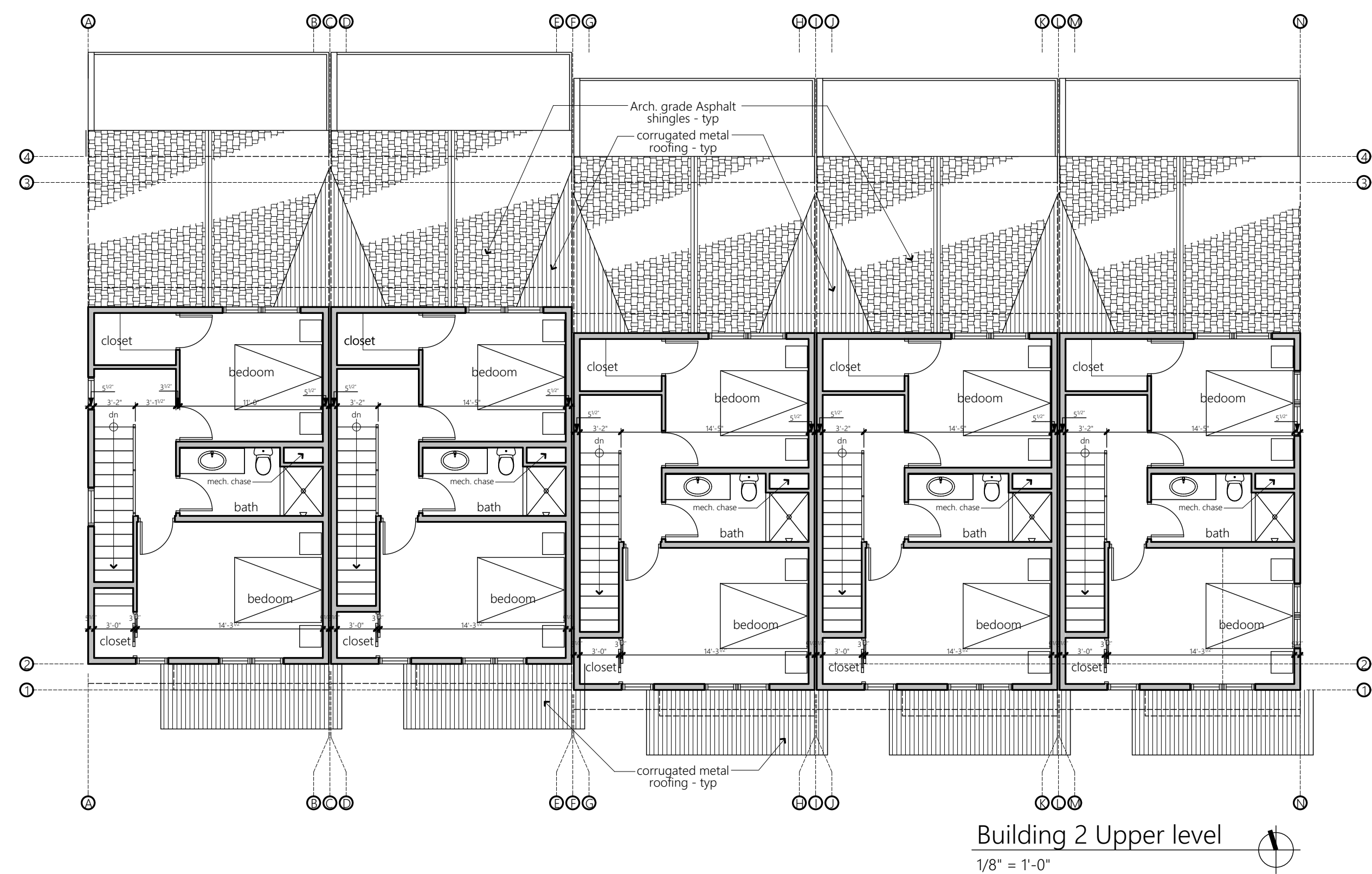
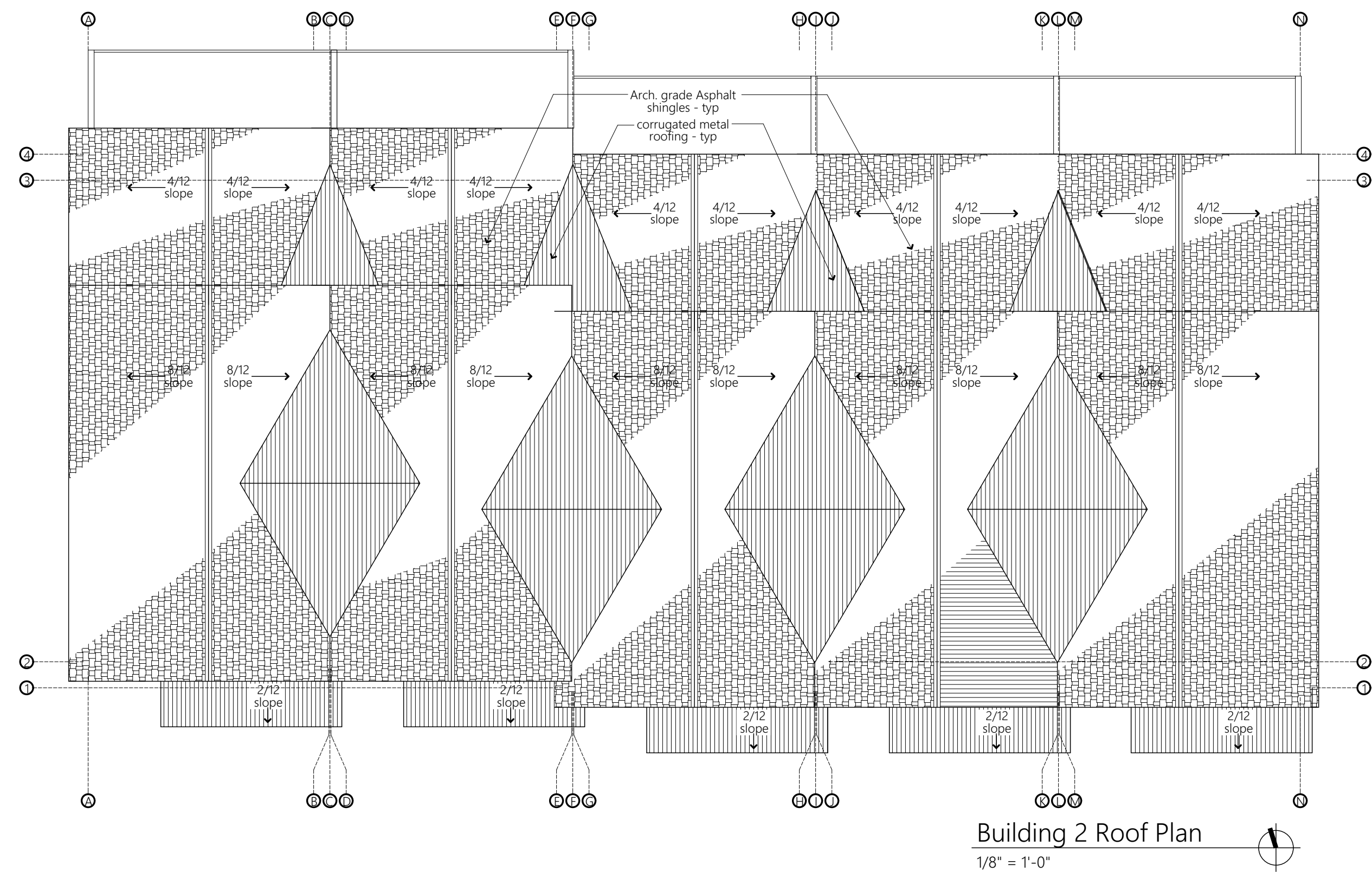
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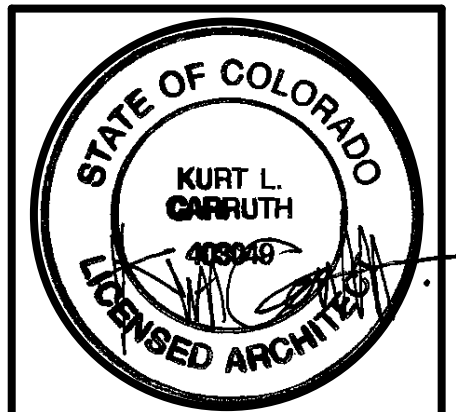
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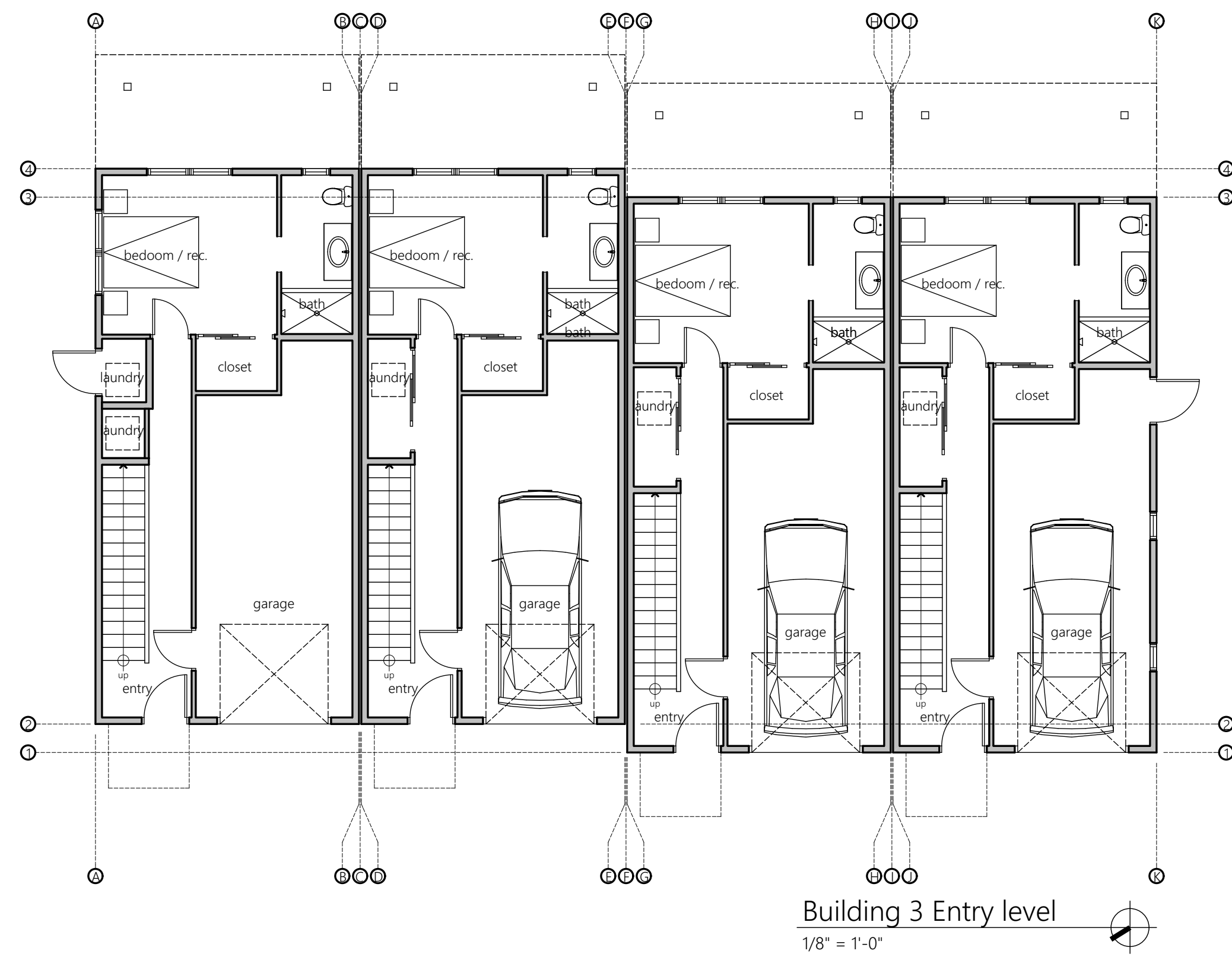
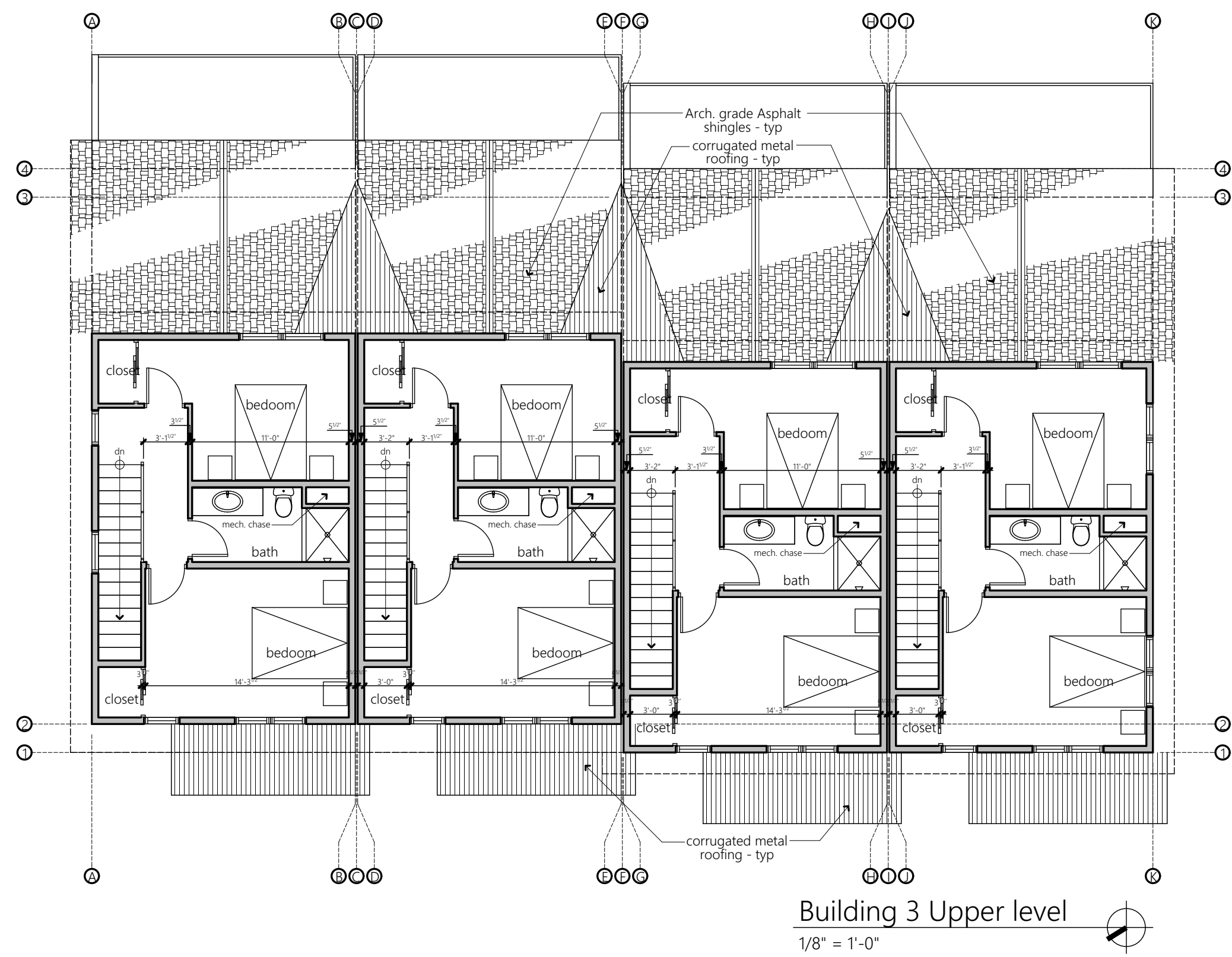
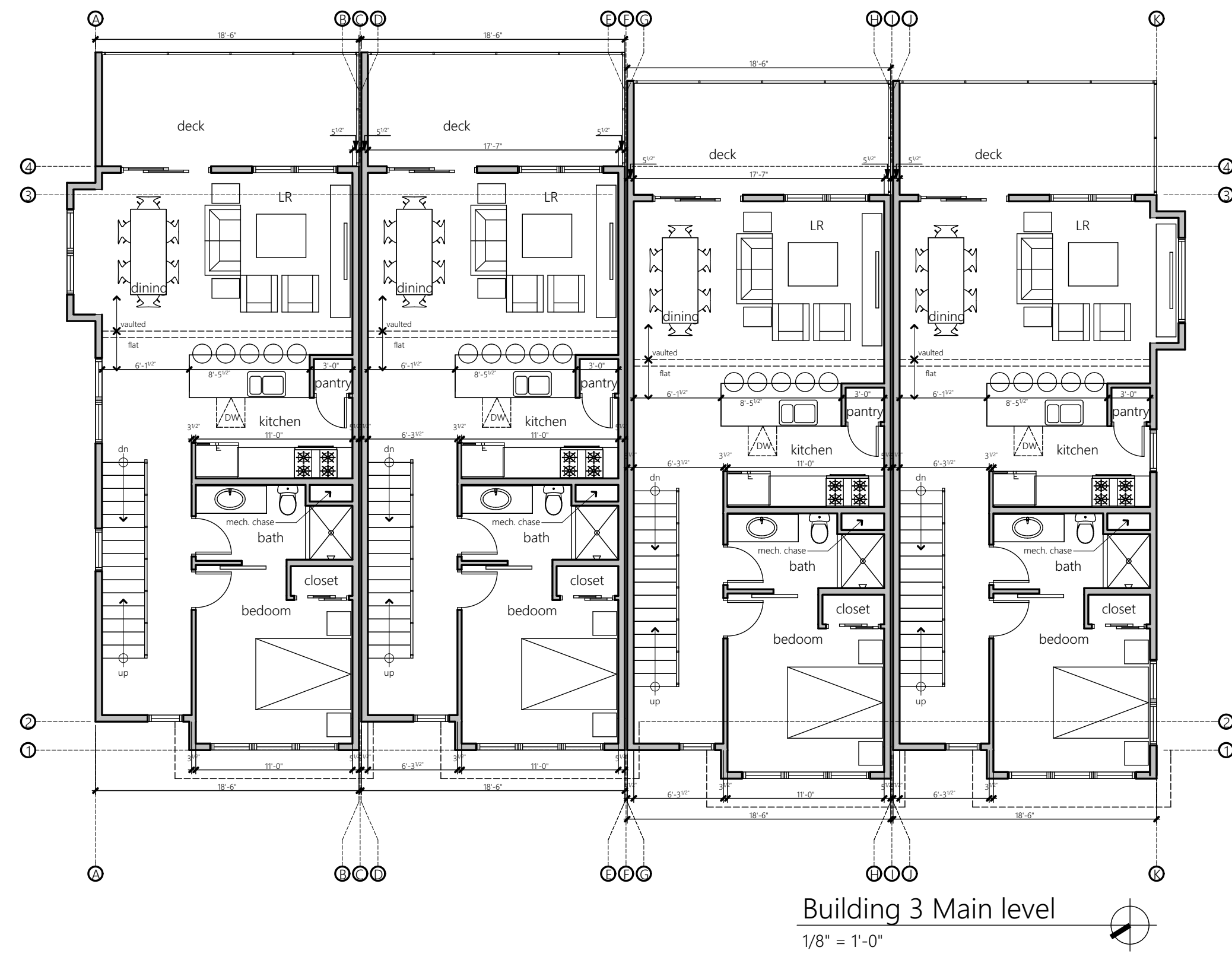
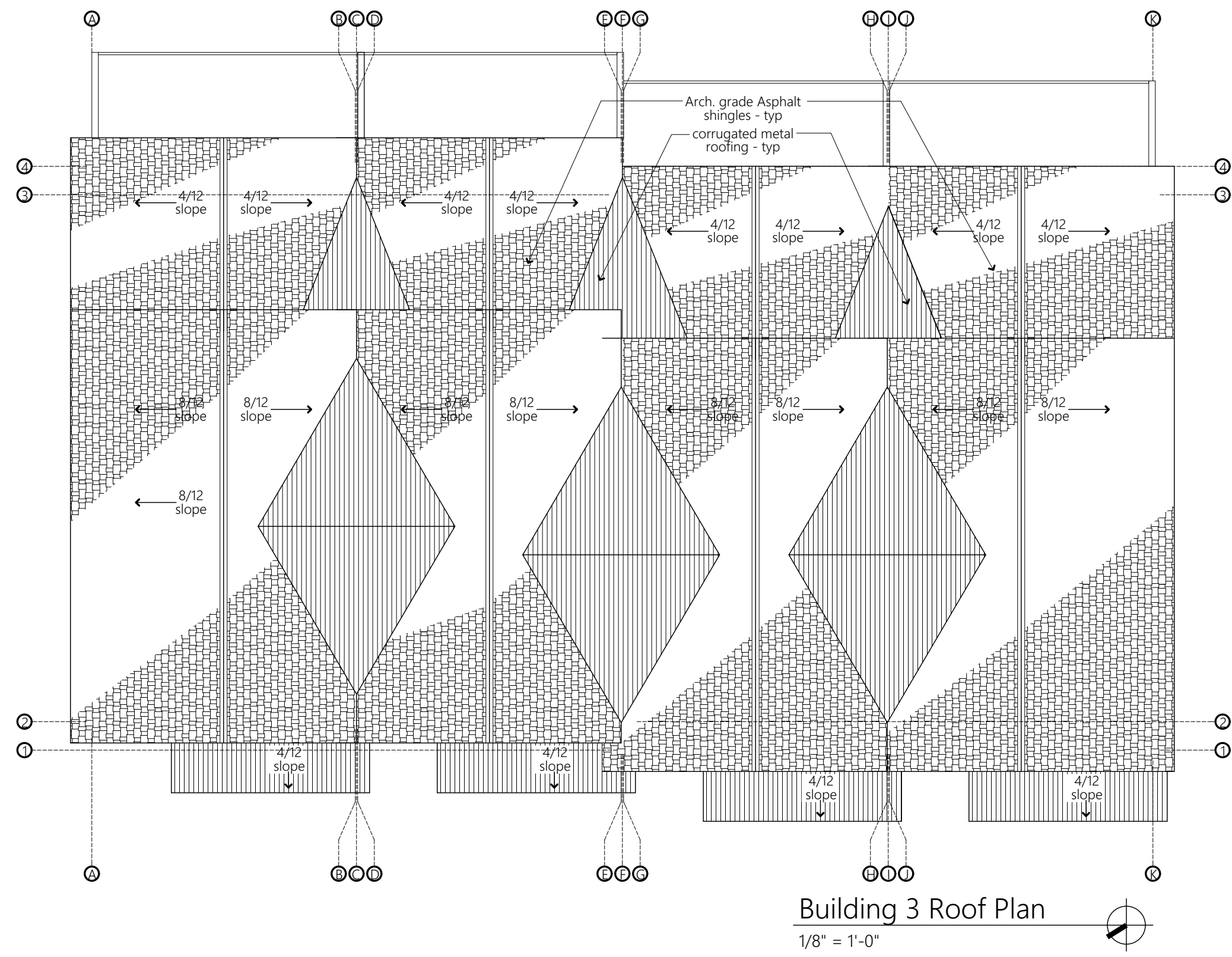


Solstice Townhomes

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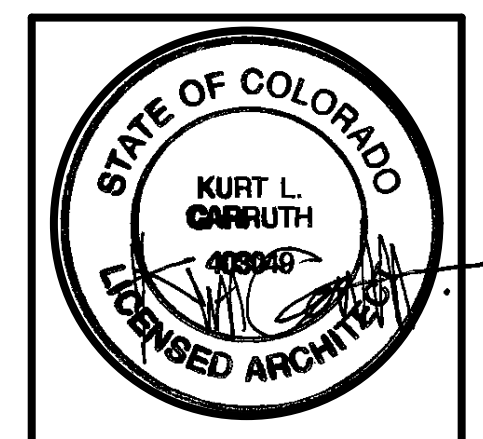
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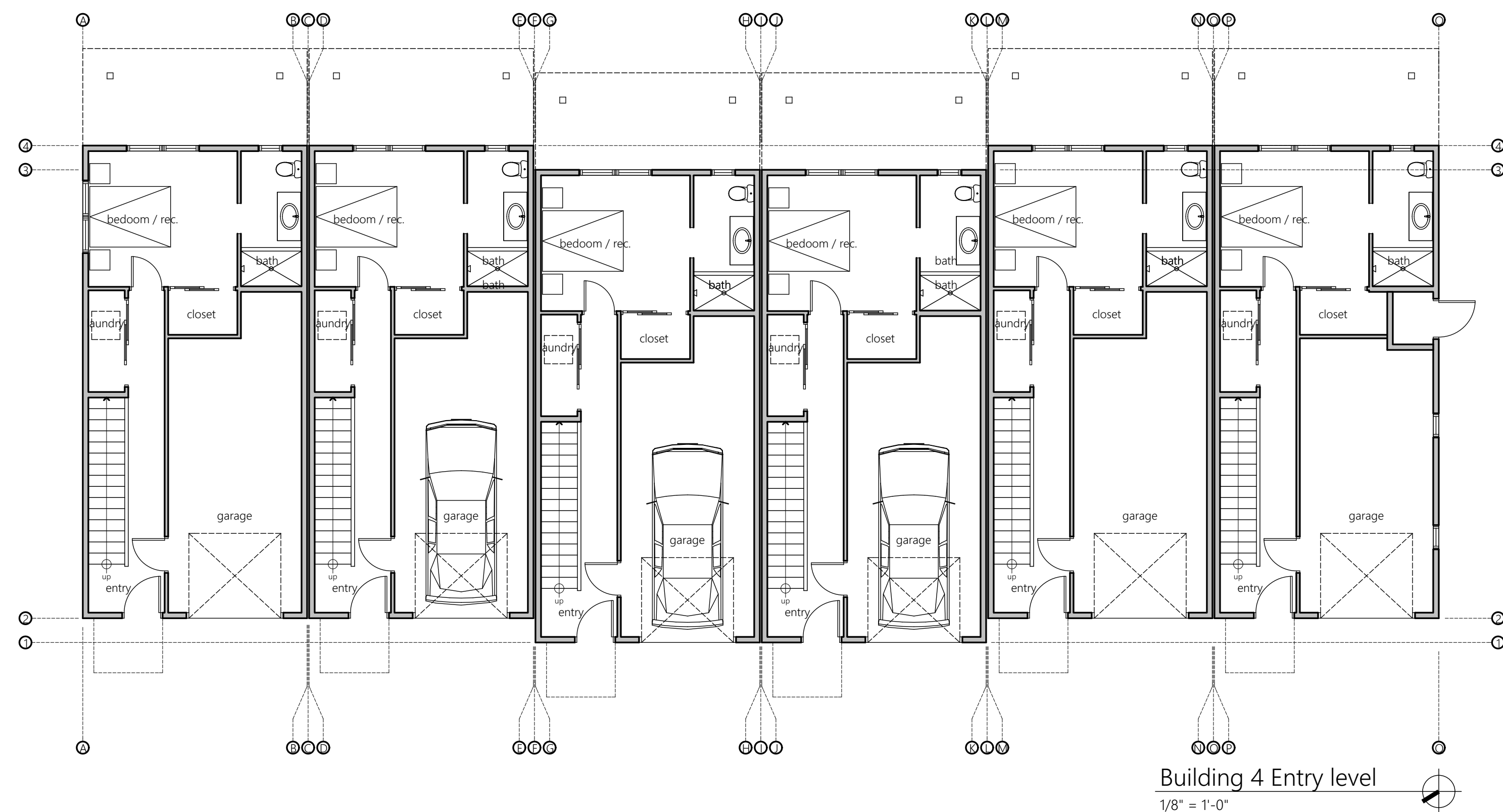
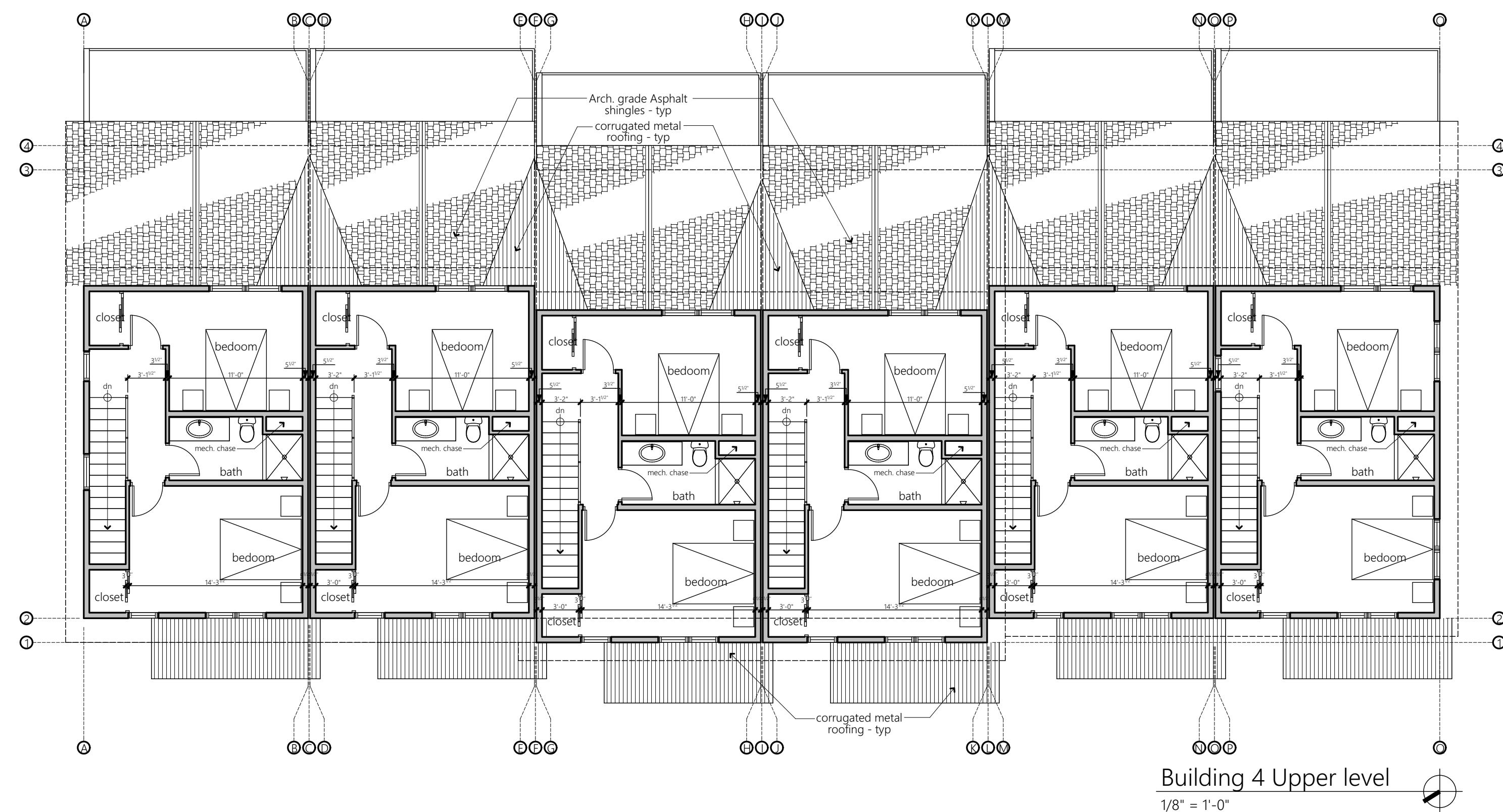
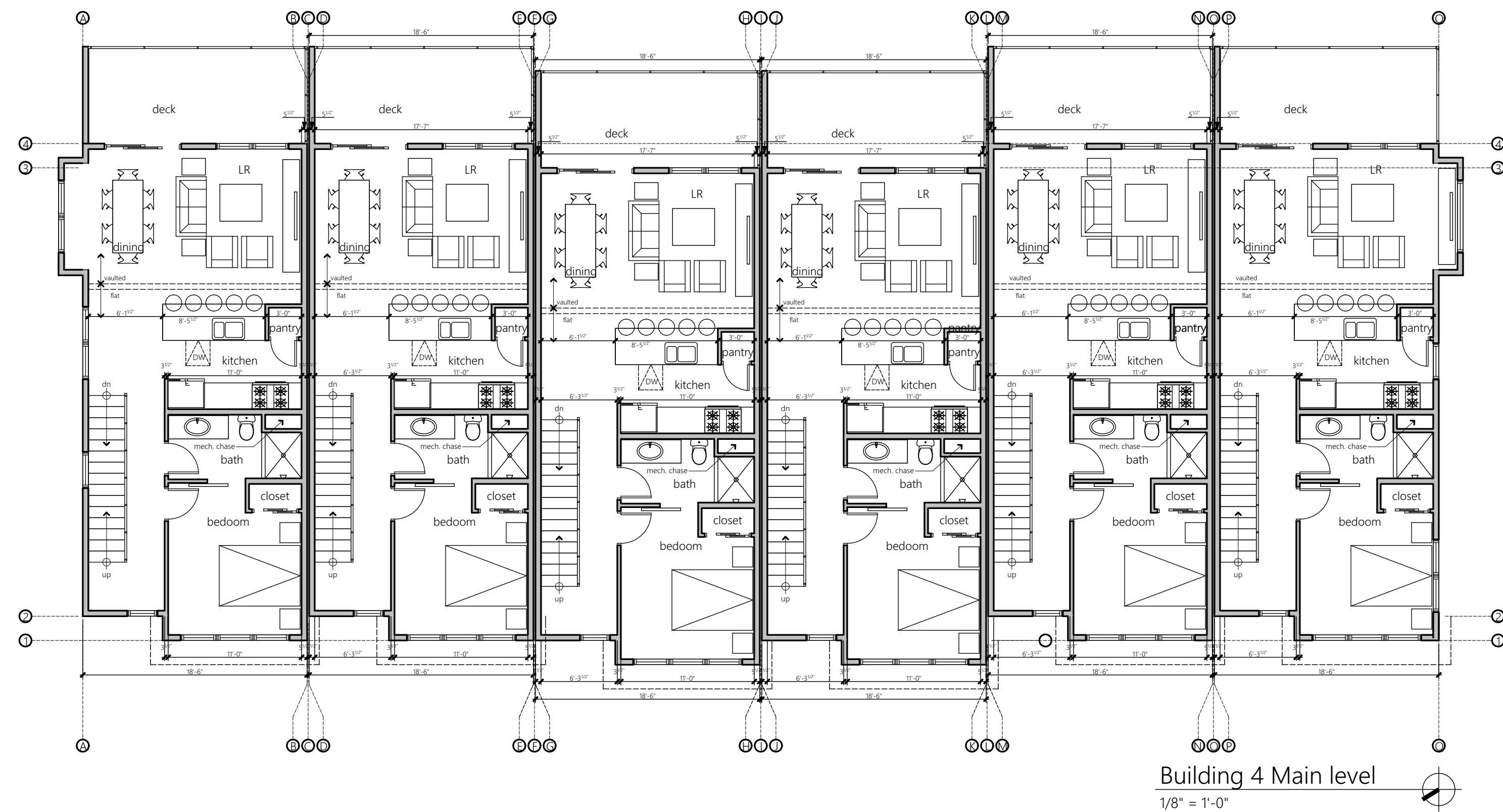
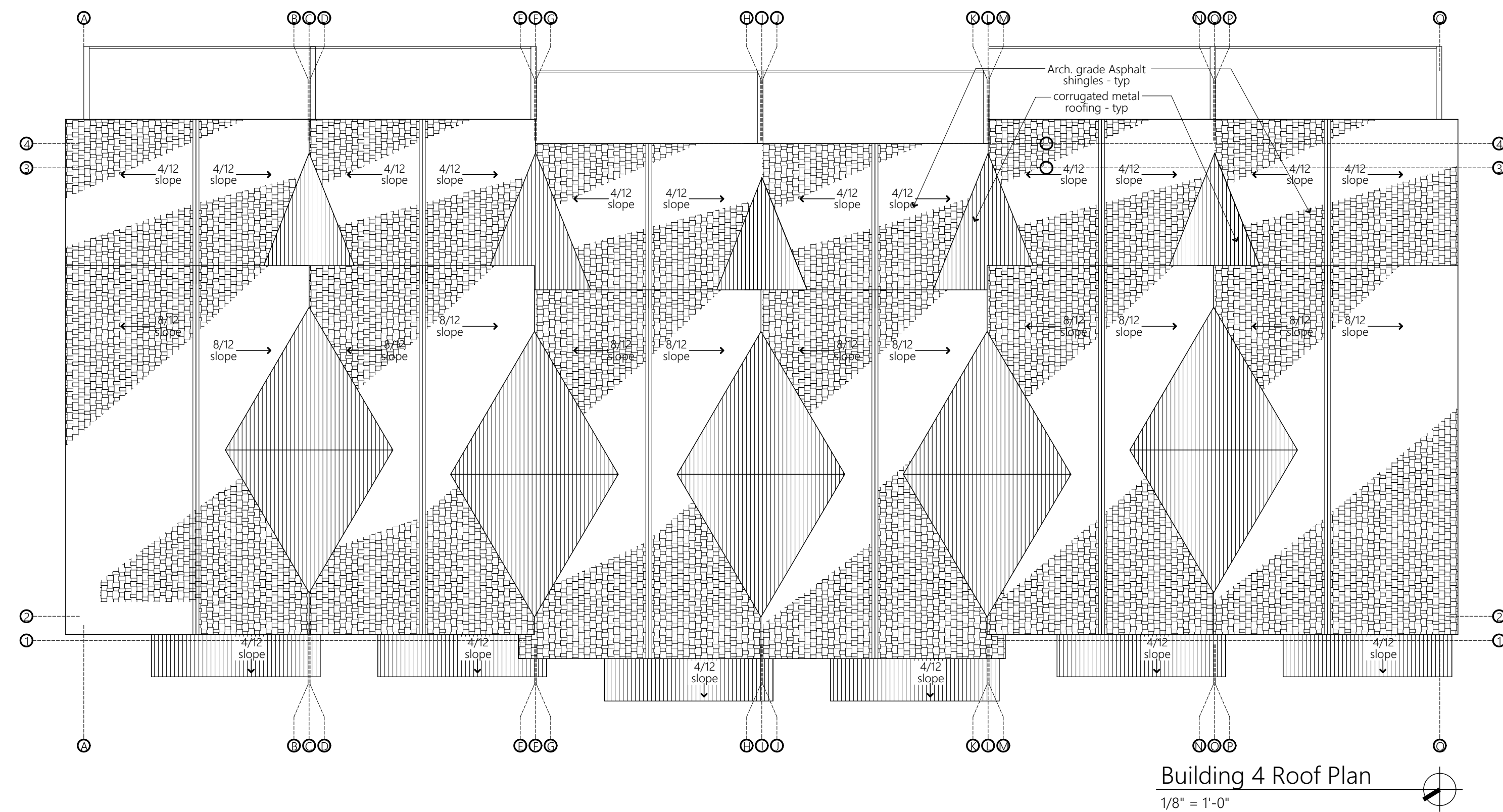
OWNER
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Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING	ISSUE
Development Plan Review set	10-22-18
Development Plan Review Updates	11-02-18
Development Plan Review Updates	11-12-18

Project designed and drawn to adhere to the 2015 IRC.



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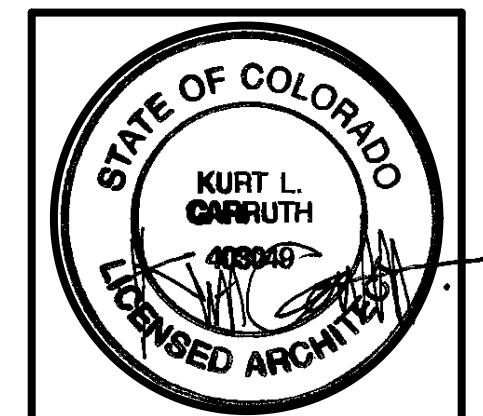
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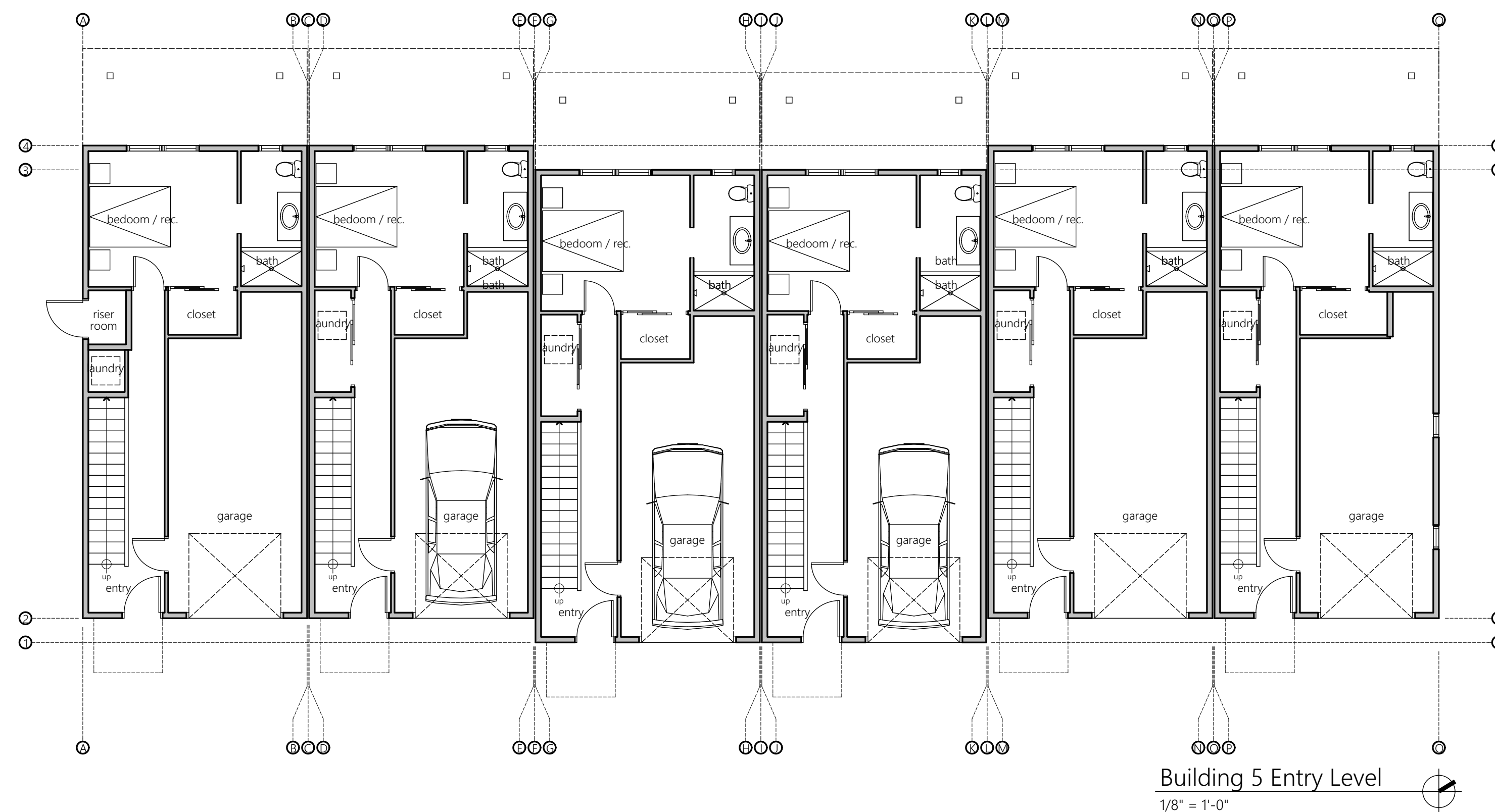
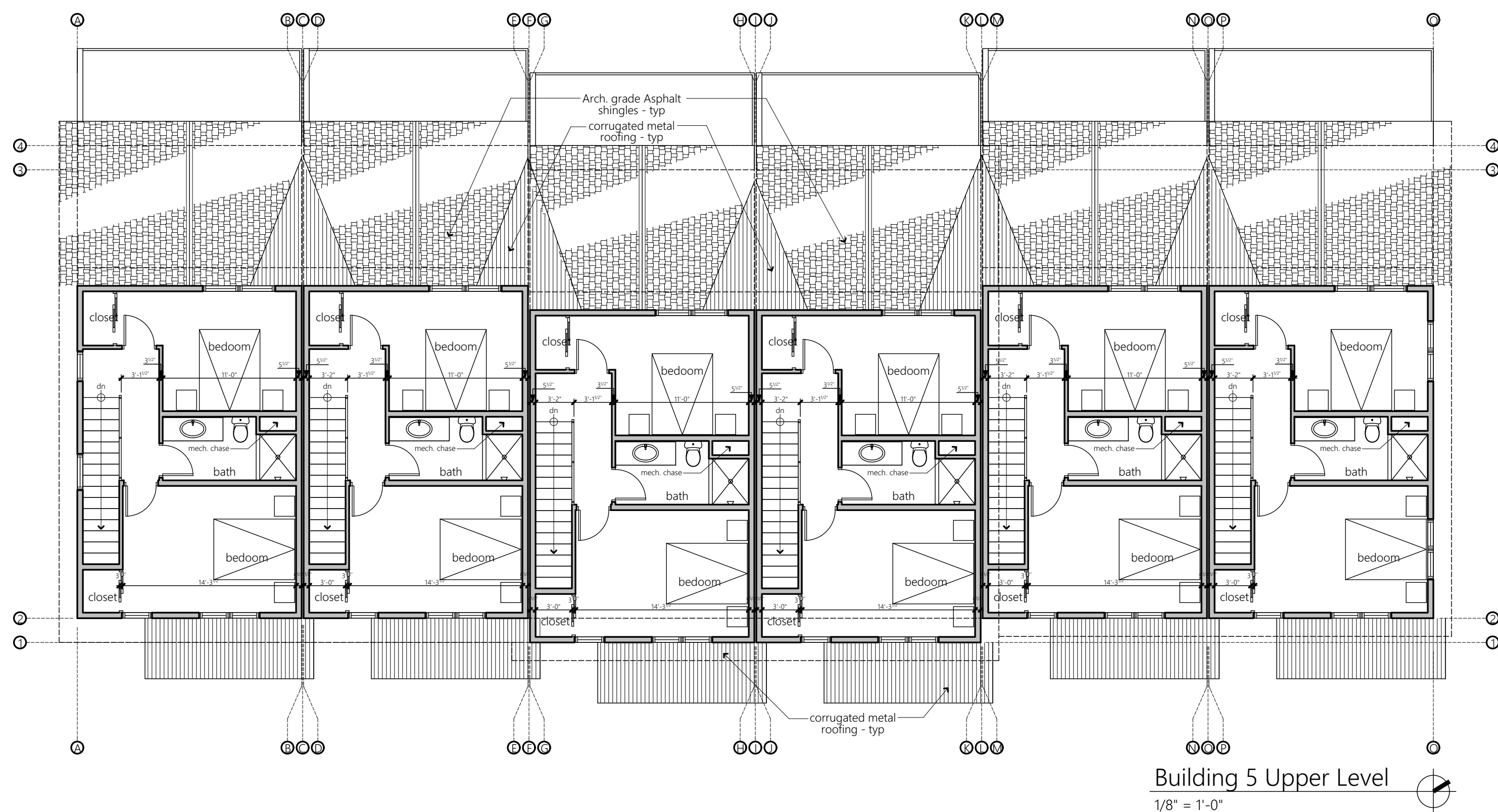
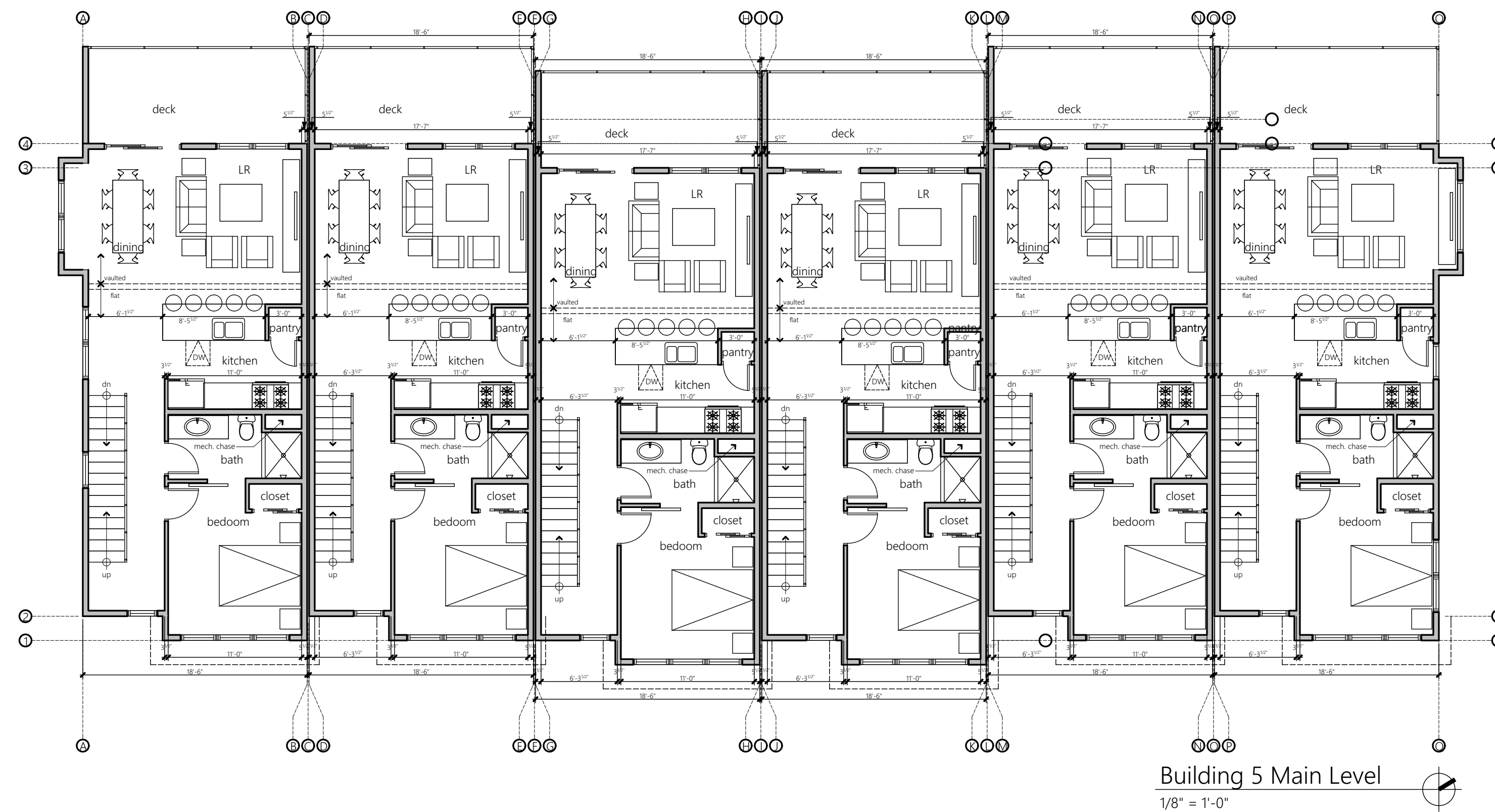
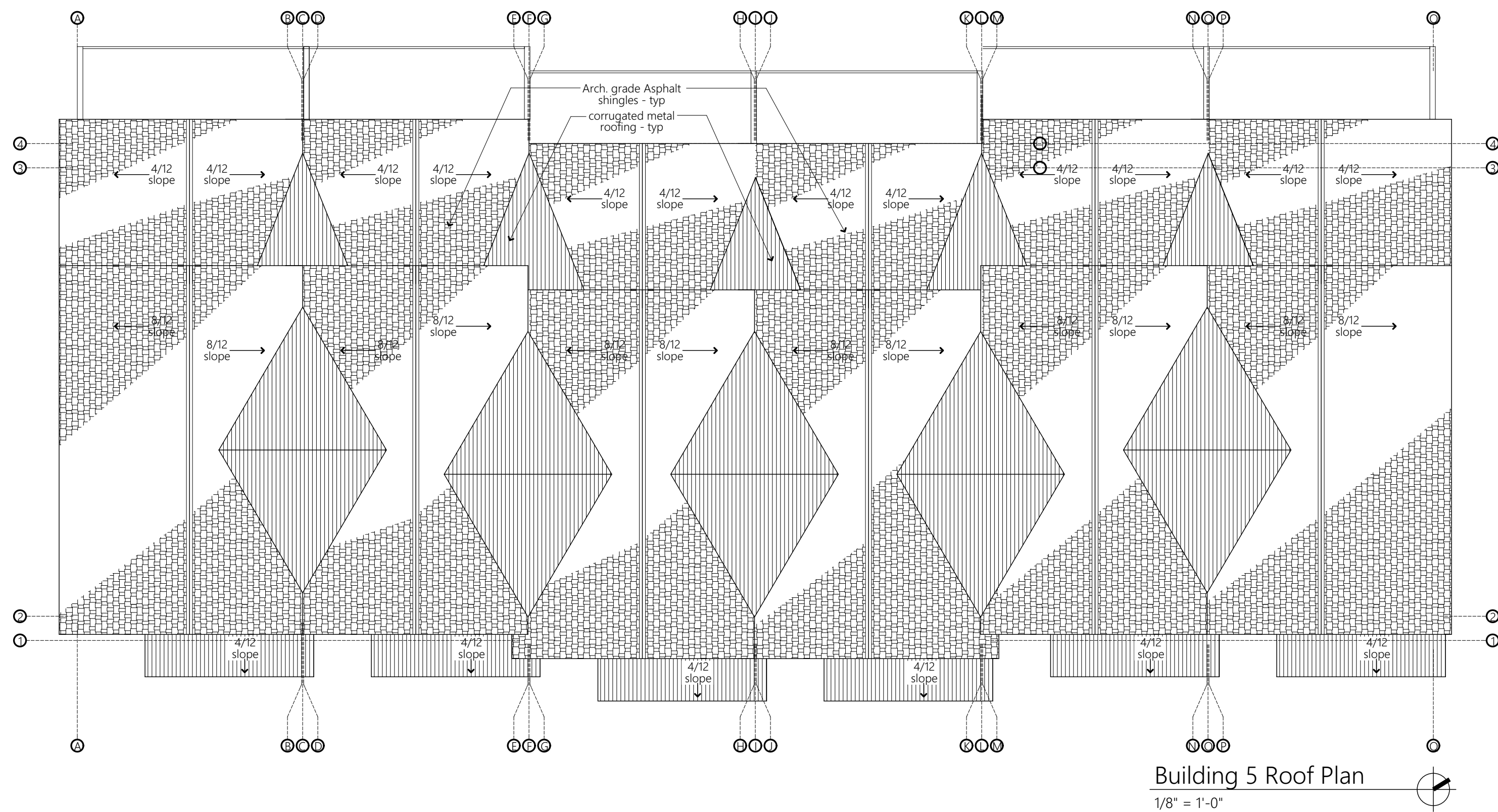
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A2.4
Building '4' Plans



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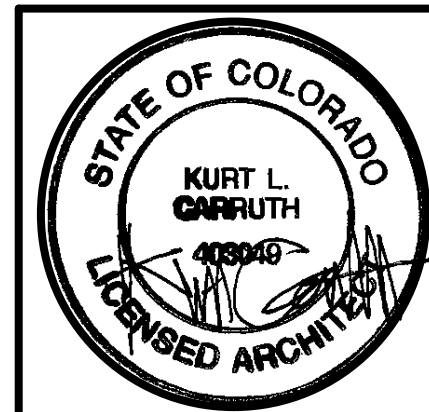
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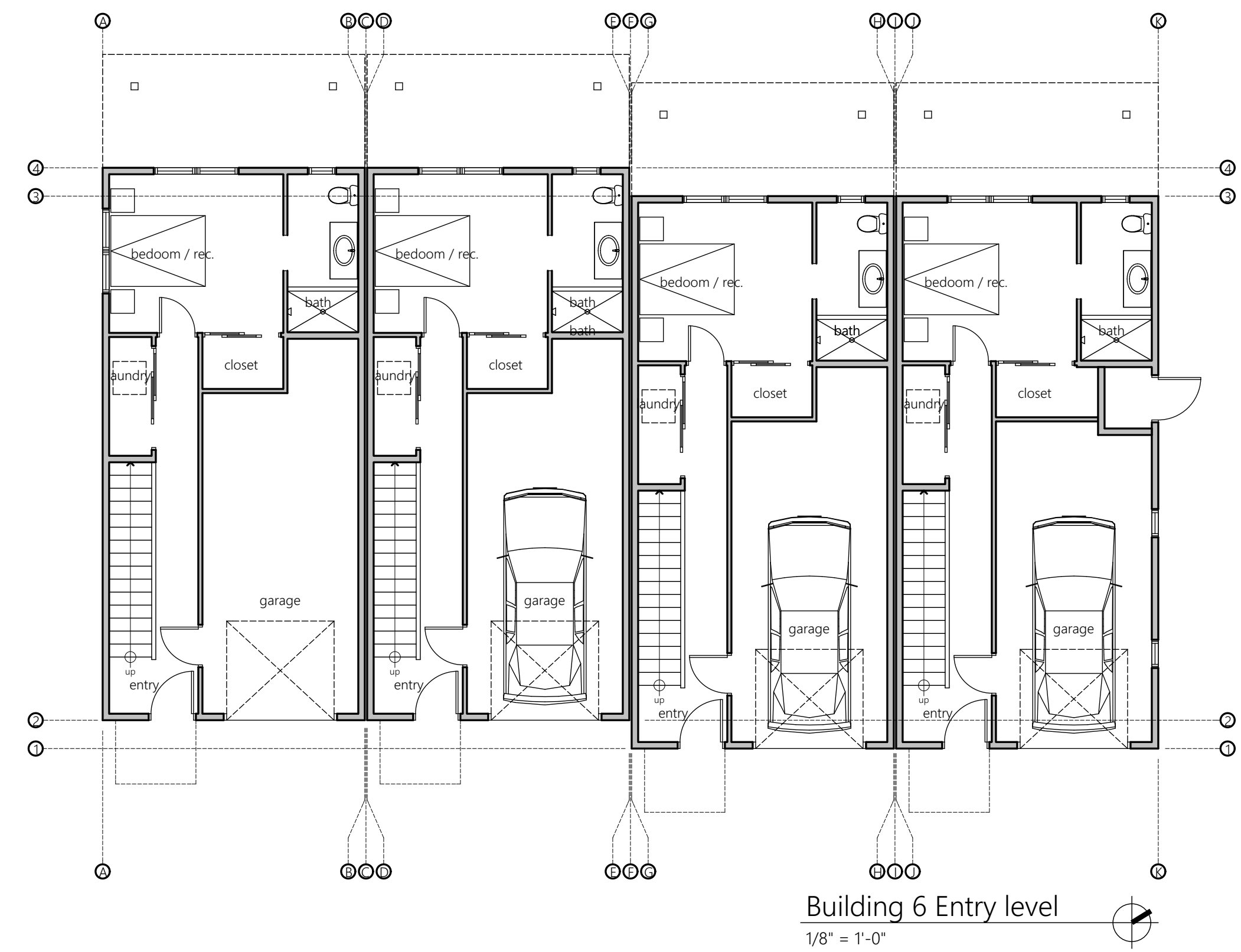
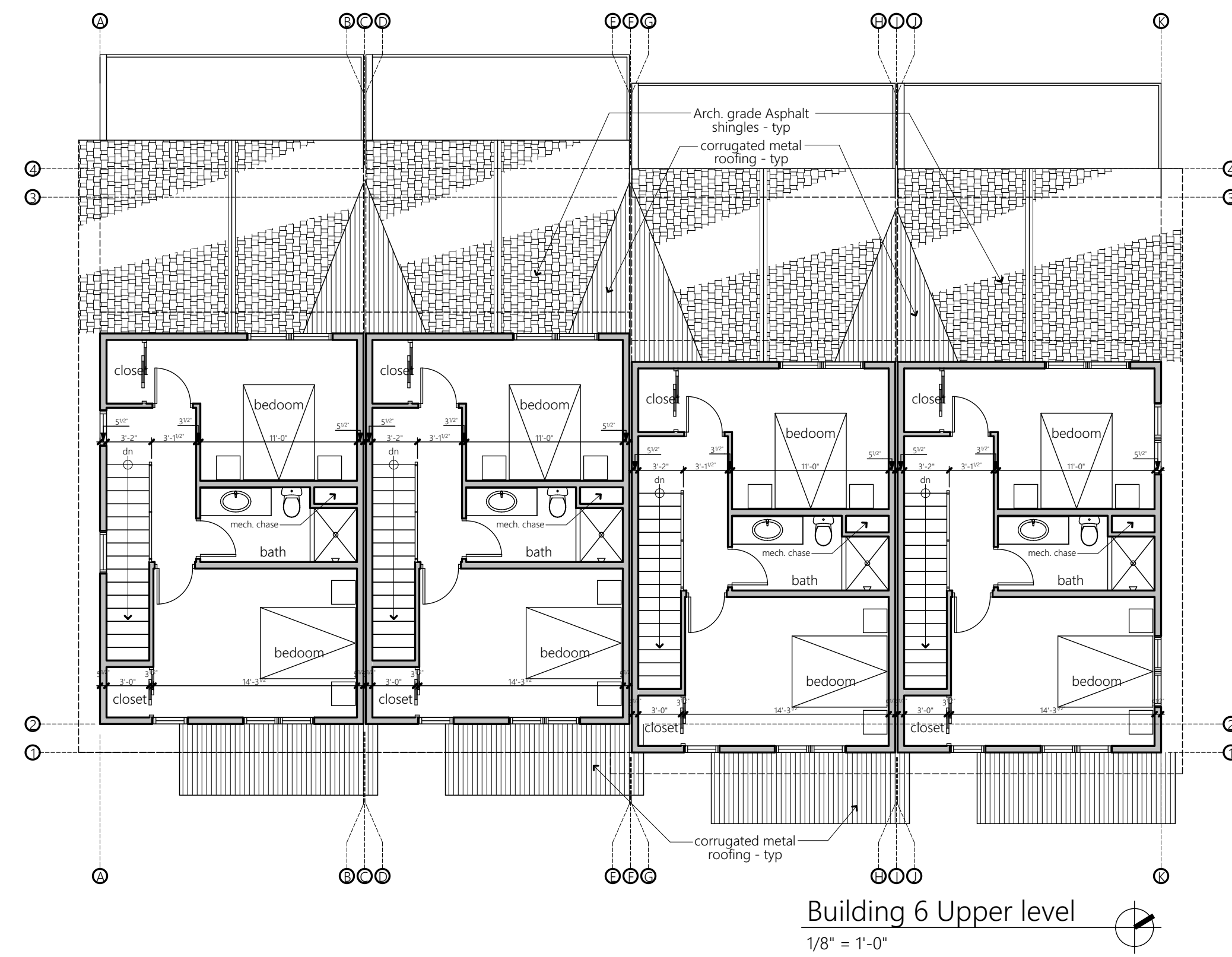
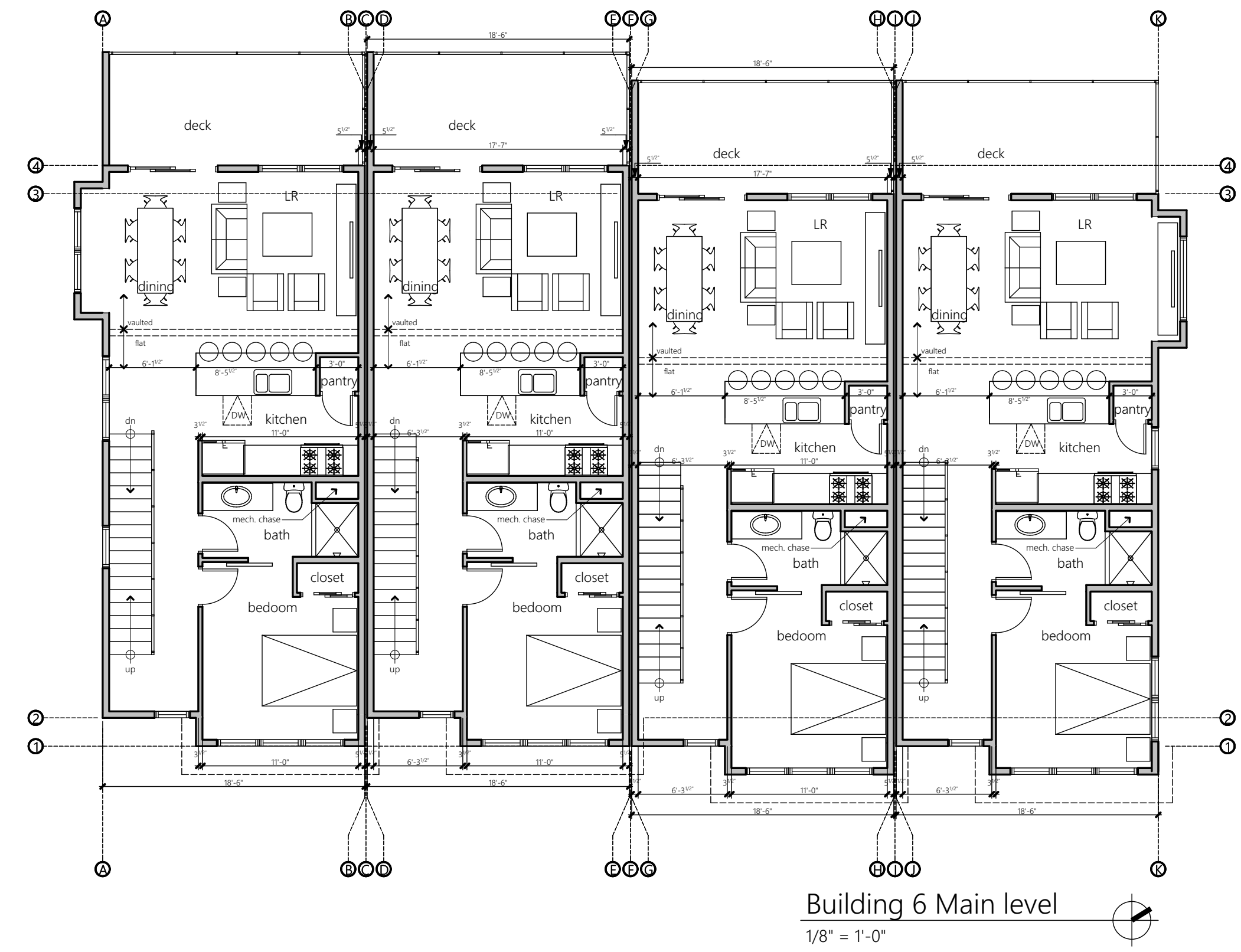
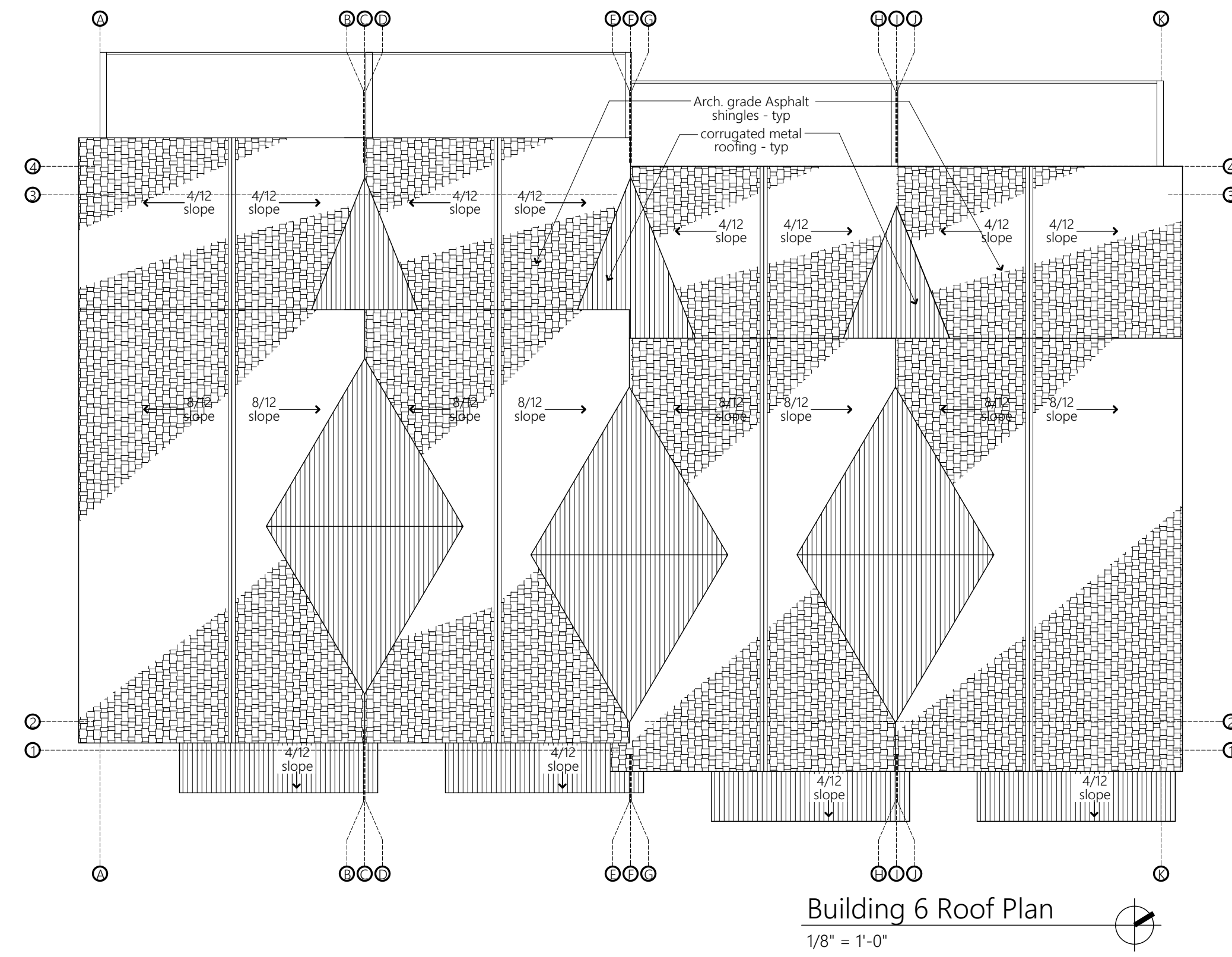


Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING **ISSUE**
Development Plan Review set 10-22-18
Development Plan Review Updates 11-02-18
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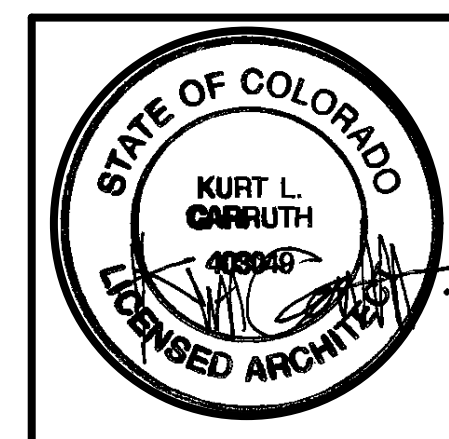
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A2.5
Building '5' Plans



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Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

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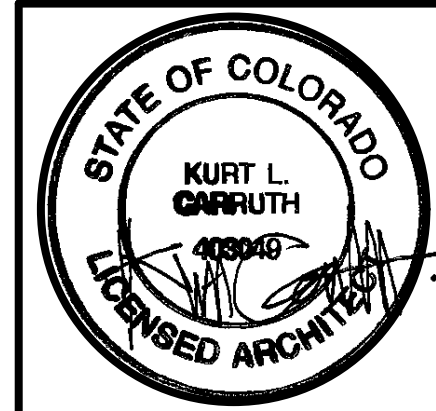
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A2.6
Building '6' Plans



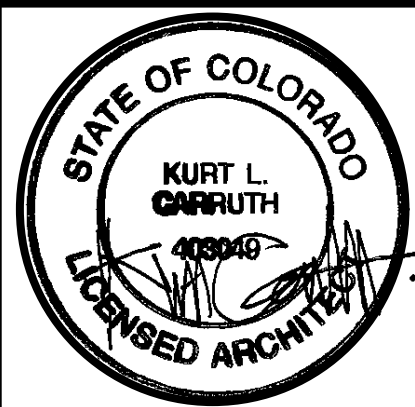
Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

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10-22-18
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11-12-18

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A3.0
COLOR RENDERINGS
TYPICAL



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Development Plan Review Updates
11-12-18

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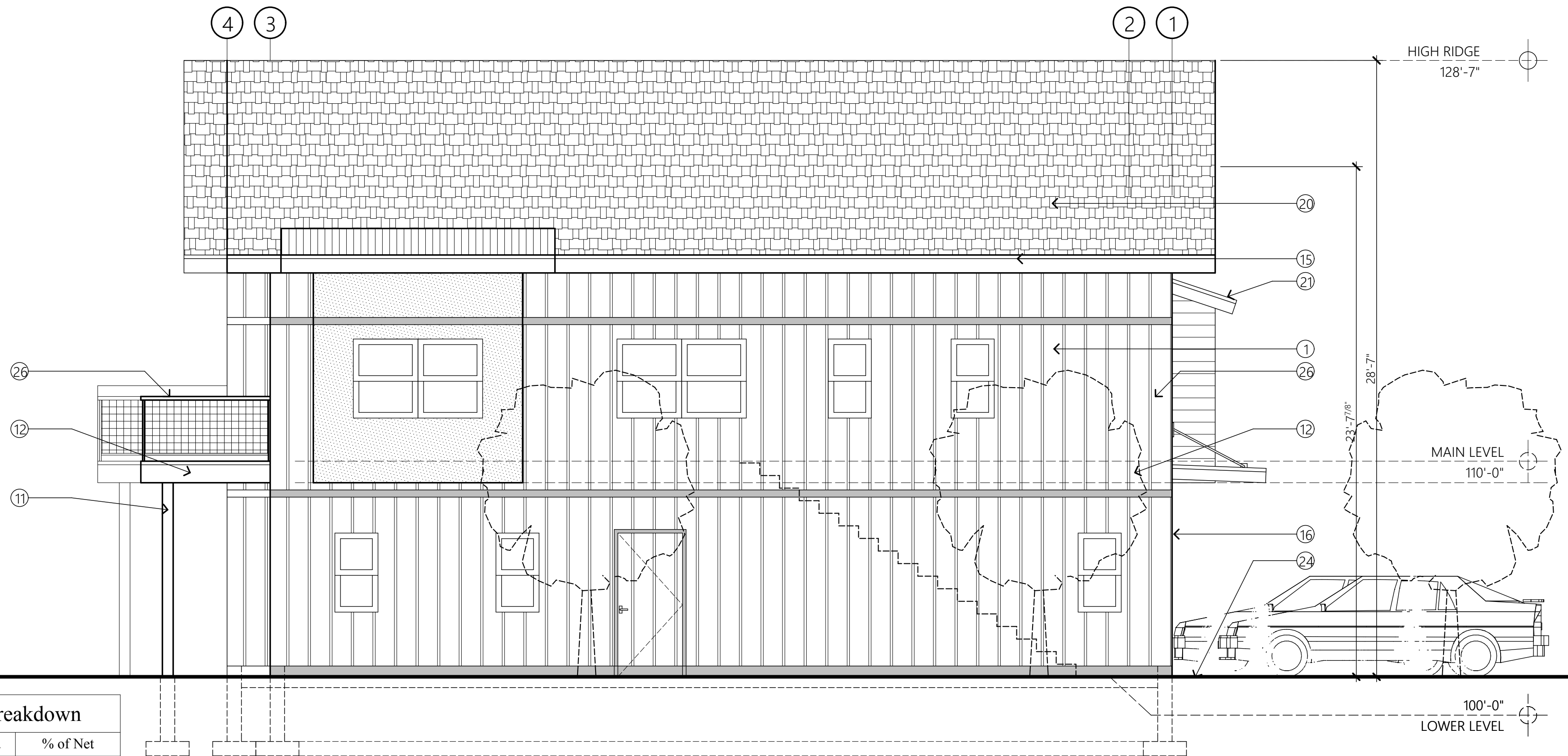
A3.1
Building 1 - Lot 95



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2251.28 s.f.	100.0 %
Net Siding	1402.80 s.f.	62.3 %
Net EIFS	241.28 s.f.	14.0 %
Net Glazing	537.20 s.f.	23.7 %

BUILDING '1' ELEVATION

SCALE: 1/4" = 1'-0"
NORTHEAST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	783.53 s.f.	100.0 %
Net Siding	608.23 s.f.	78.0 %
Net EIFS	94.45 s.f.	12.6 %
Net Glazing	80.85 s.f.	9.4 %

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. Guardrail per code
- 27.
- 28.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height Item A. Residential (item 3)
Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

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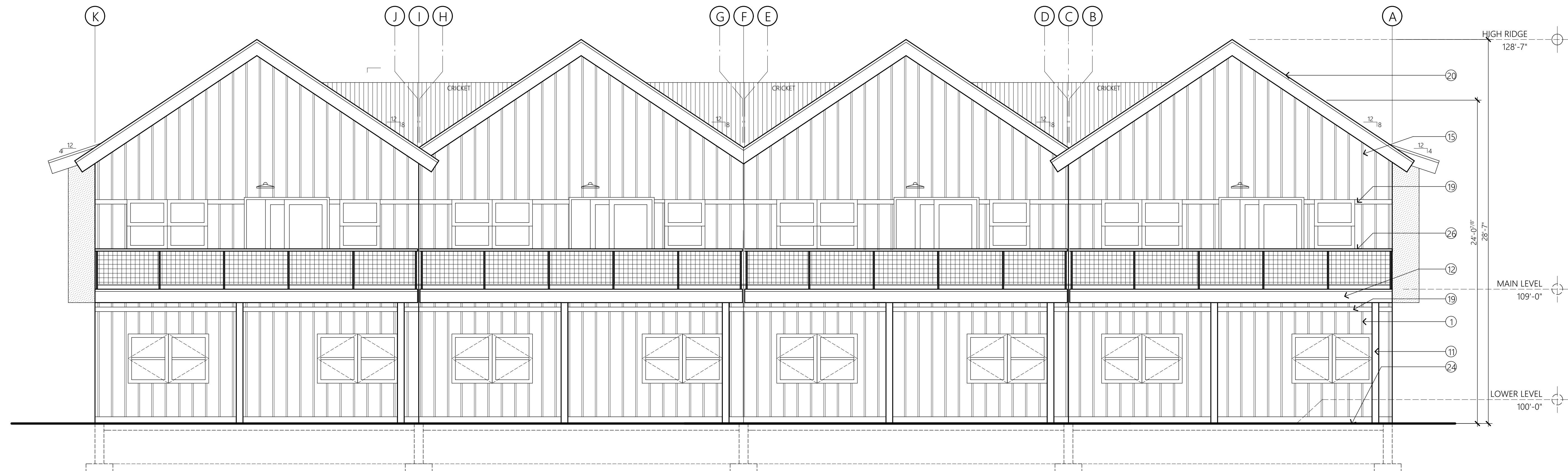
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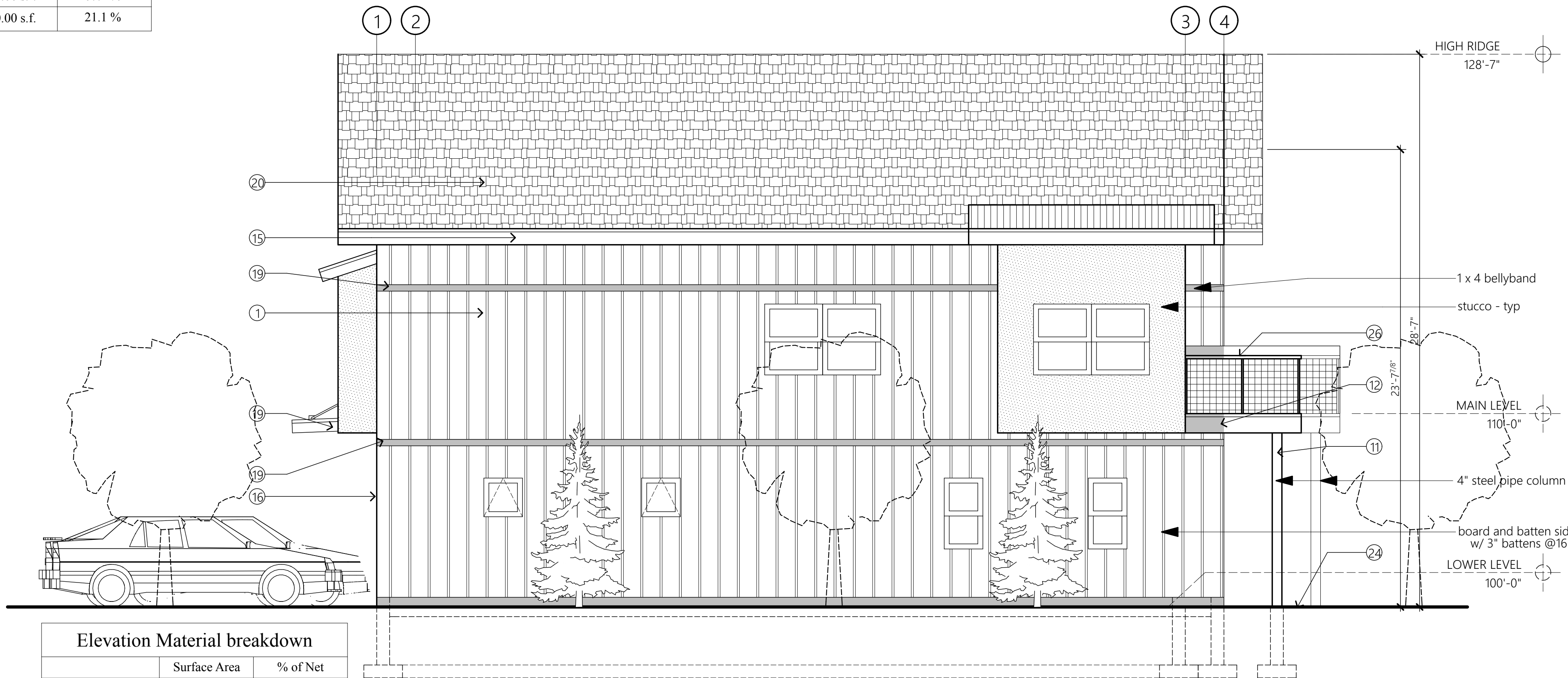
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e: abh68@gmail.com



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2251.28 s.f.	100.0 %
Net Siding	1609.28 s.f.	71.50 %
Net EIFS	162.00 s.f.	07.4 %
Net Glazing	480.00 s.f.	21.1 %

BUILDING '1' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	821.0 s.f.	100.0 %
Net Siding	660.87 s.f.	80.0 %
Net EIFS	93.46 s.f.	11.6 %
Net Glazing	66.67 s.f.	8.4 %

Exterior Materials Legend

- Exterior Finishes:
1. LP Smart Siding, board and batten w/ 2" battens.
 2. Stucco - color TBD
 3. Concrete patio
- Beams & Columns:
11. Steel Pipe Column - (size as shown)
 12. Painted beam - see structural
 - 13.
 - 14.
- Trim:
15. LP Smart Siding fascia - paint grade
 16. Garage doors
 18. Steel 'tie back' braces - see structural
 19. LP Smart Siding 1 x 4 trim to cover horiz. joints
- Roofing:
20. Arch. grade asphalt shingles - (color TBD)
 21. Corrugated Metal roofing, (color TBD)
 - 23.
- Misc.:
24. Indicates finished grade
 - 25
 26. Guardrail per code
 - 27.
 - 28.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

BUILDING '1' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING

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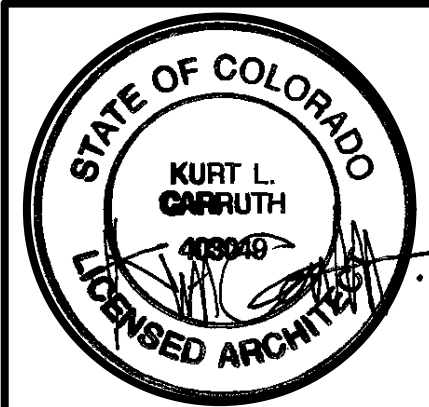
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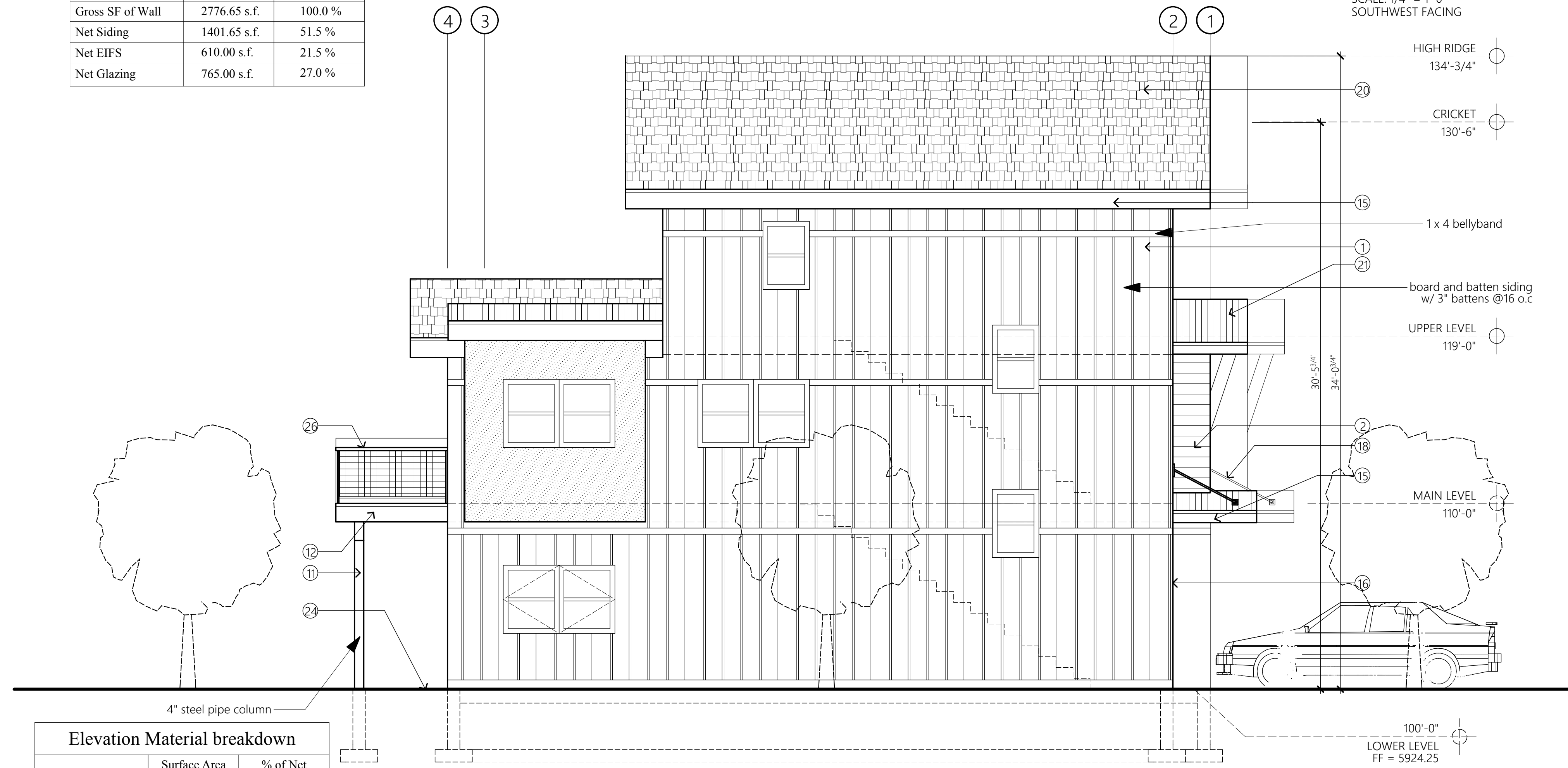
Solstice Townhomes
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Glenwood Springs, CO. 81615

DRAWING	ISSUE
Development Plan Review set	10-22-18
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Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2776.65 s.f.	100.0 %
Net Siding	1401.65 s.f.	51.5 %
Net EIFS	610.00 s.f.	21.5 %
Net Glazing	765.00 s.f.	27.0 %

BUILDING '2' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	915.37 s.f.	100.0 %
Net Siding	735.95 s.f.	80.0 %
Net EIFS	85.92 s.f.	09.4 %
Net Glazing	93.50 s.f.	10.6 %

BUILDING '2' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING

Exterior Materials Legend

- Exterior Finishes:**
1. LP Smart Siding, board and batten w/ 2" battens.
 2. Stucco - color TBD
 3. Concrete patio
- Beams & Columns:**
11. Steel Pipe Column - (size as shown)
 12. Painted beam - see structural
 - 13.
 - 14.
- Trim:**
15. LP Smart Siding fascia - paint grade
 16. Garage doors
 18. Steel 'tie back' braces - see structural
 19. LP Smart Siding 1 x 4 trim to cover horiz. joints
- Roofing:**
20. Arch. grade asphalt shingles - (color TBD)
 21. Corrugated Metal roofing, (color TBD)
 - 23.
- Misc.:**
24. Indicates finished grade
 - 25.
 26. 36" guardrail per code - wood cap with 'hog wire' metal panels
 - 27.

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

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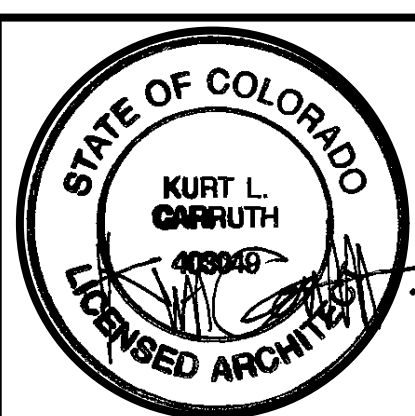
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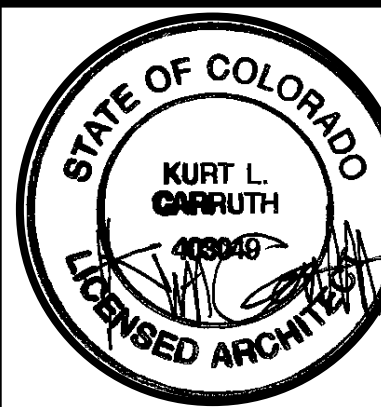
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DRAWING ISSUE

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A3.3
Building 2 - Lot 96



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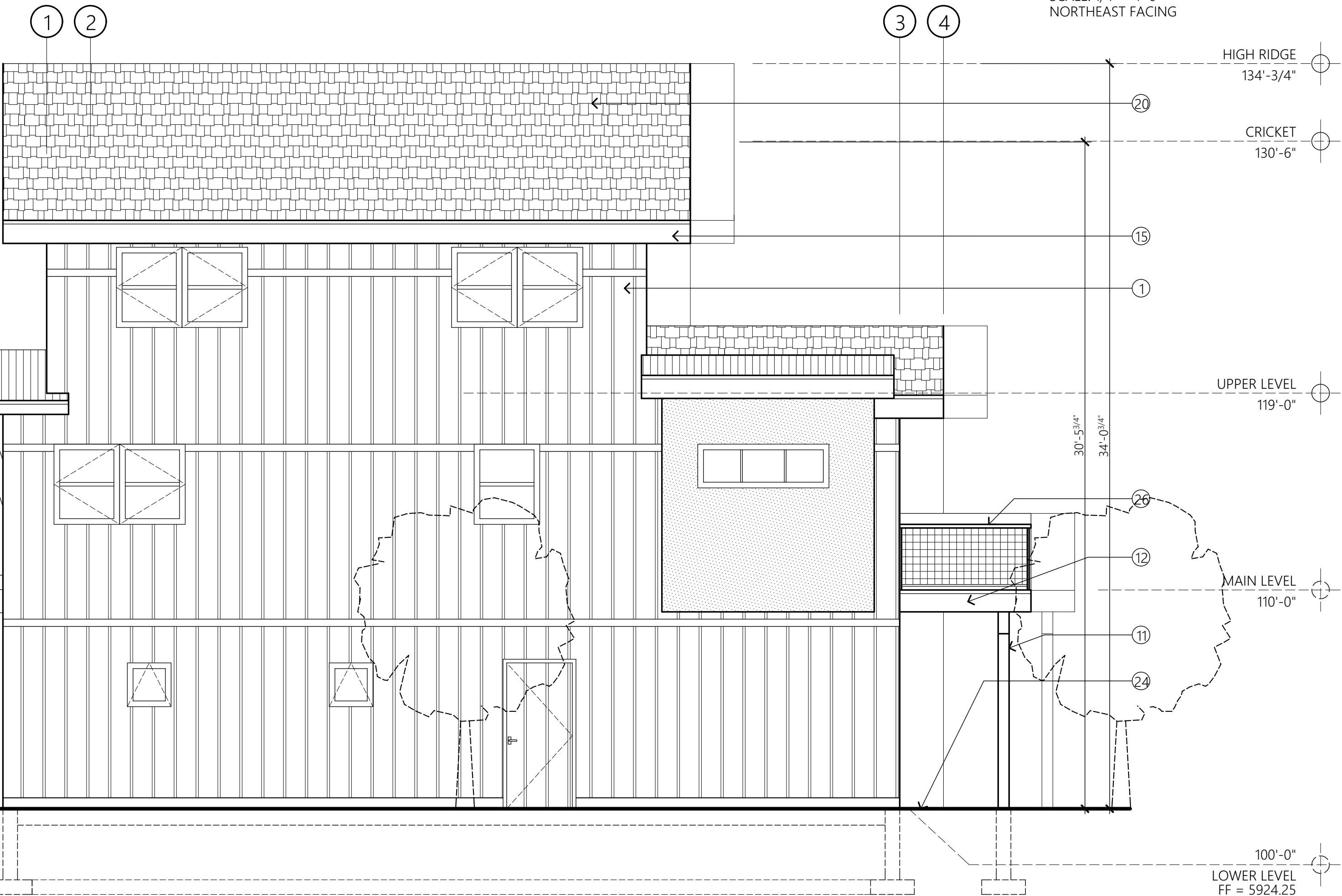
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A3.4
Building 2 - Lot 96



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2776.65 s.f.	100.0 %
Net Siding	2096.65 s.f.	75.0 %
Net EIFS	38.00 s.f.	04.0 %
Net Glazing	585.00 s.f.	21.0 %

BUILDING '2' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHEAST FACING



BUILDING '2' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHEAST FACING

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
- 27.

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Divide Creek Surveyors, Inc.
(970) 355-9306

CONTRACTOR

TBD

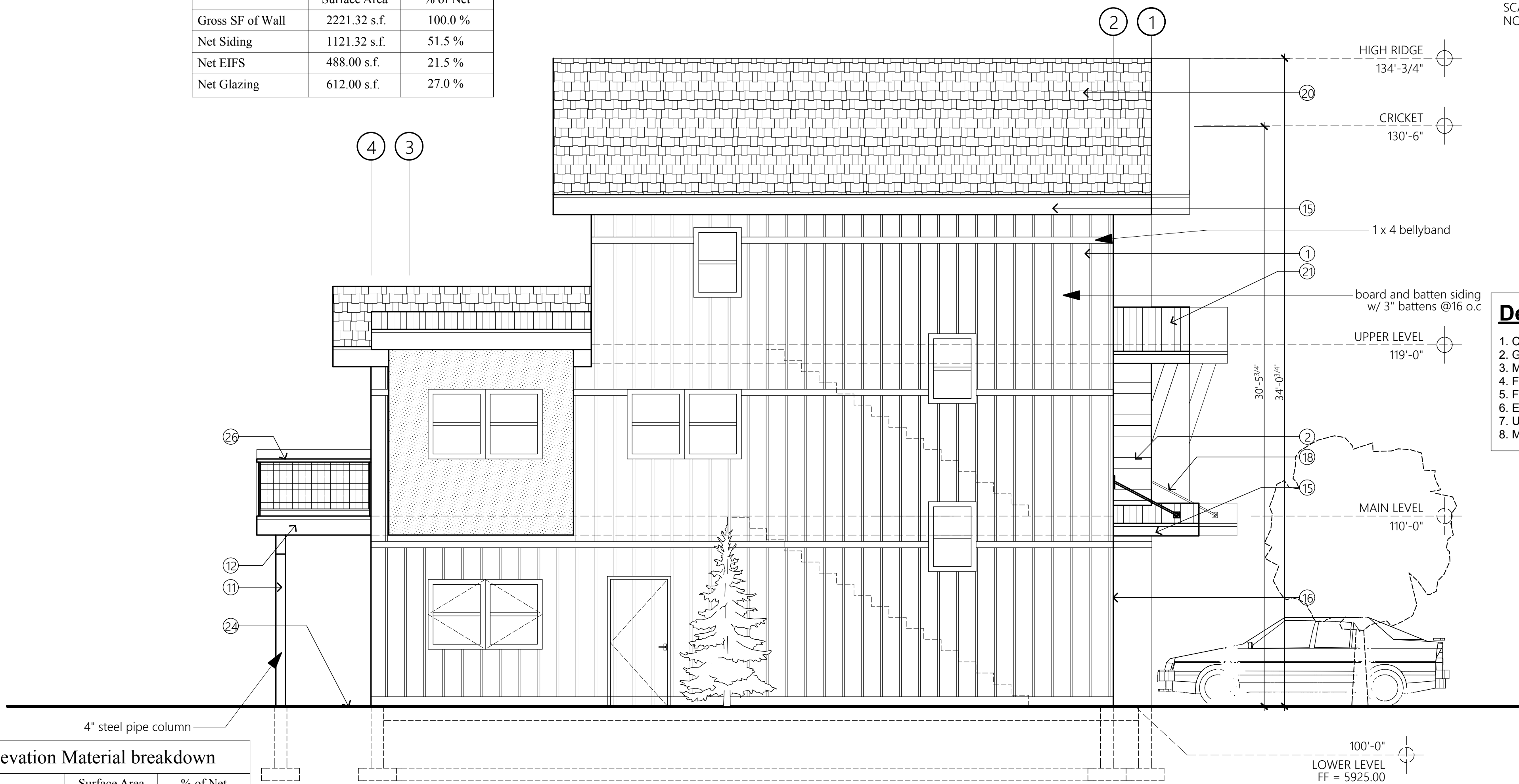
Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	960.84 s.f.	100.0 %
Net Siding	769.14 s.f.	80.0 %
Net EIFS	94.70 s.f.	09.8 %
Net Glazing	97.00 s.f.	10.2 %



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2221.32 s.f.	100.0 %
Net Siding	1121.32 s.f.	51.5 %
Net EIFS	488.00 s.f.	21.5 %
Net Glazing	612.00 s.f.	27.0 %

BUILDING '3' ELEVATION

SCALE: 1/4" = 1'-0"
NORTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	915.37 s.f.	100.0 %
Net Siding	735.95 s.f.	80.0 %
Net EIFS	85.92 s.f.	09.4 %
Net Glazing	93.50 s.f.	10.6 %

BUILDING '3' ELEVATION

SCALE: 1/4" = 1'-0"
NORTHEAST FACING

END UNIT

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
- 27.

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

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SURVEYOR

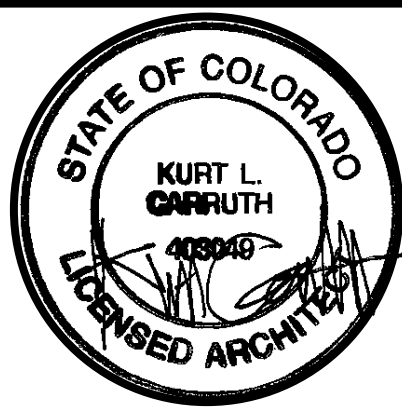
Dave Nicholson
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CONTRACTOR

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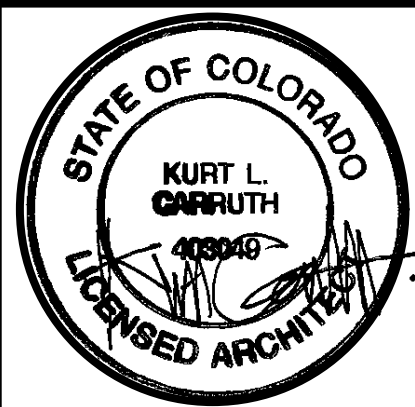
Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

Development Plan Review set
10-22-18
Development Plan Review Updates
11-02-18
Development Plan Review Updates
11-12-18

Project designed and drawn to adhere to the 2015 IRC.

A3.5
Building 3 - Lot 96



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Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

Development Plan Review set
10-22-18
Development Plan Review Updates
11-02-18
Development Plan Review Updates
11-12-18

Project designed and drawn
to adhere to the 2015 IRC.

A3.6
Building 3 - Lot 96

Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2221.32 s.f.	100.0 %
Net Siding	1677.32 s.f.	75.0 %
Net EIFS	38.00 s.f.	04.0 %
Net Glazing	468.00 s.f.	21.0 %



BUILDING '3' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHEAST FACING

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
- 27.

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

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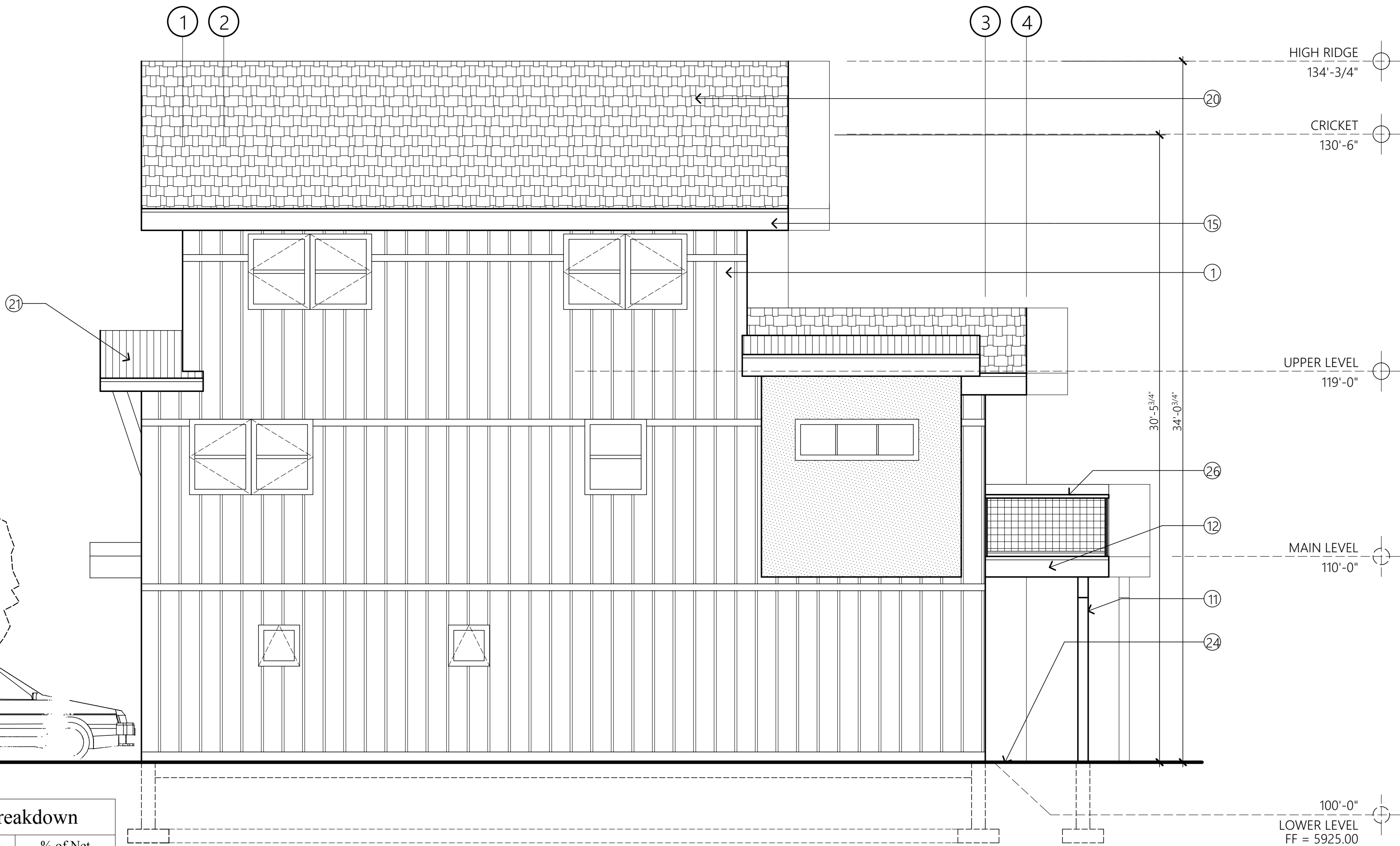
SURVEYOR

Dave Nicholson
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(970) 355-9306

CONTRACTOR

TBD

Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	960.84 s.f.	100.0 %
Net Siding	769.14 s.f.	80.0 %
Net EIFS	94.70 s.f.	09.8 %
Net Glazing	97.00 s.f.	10.2 %

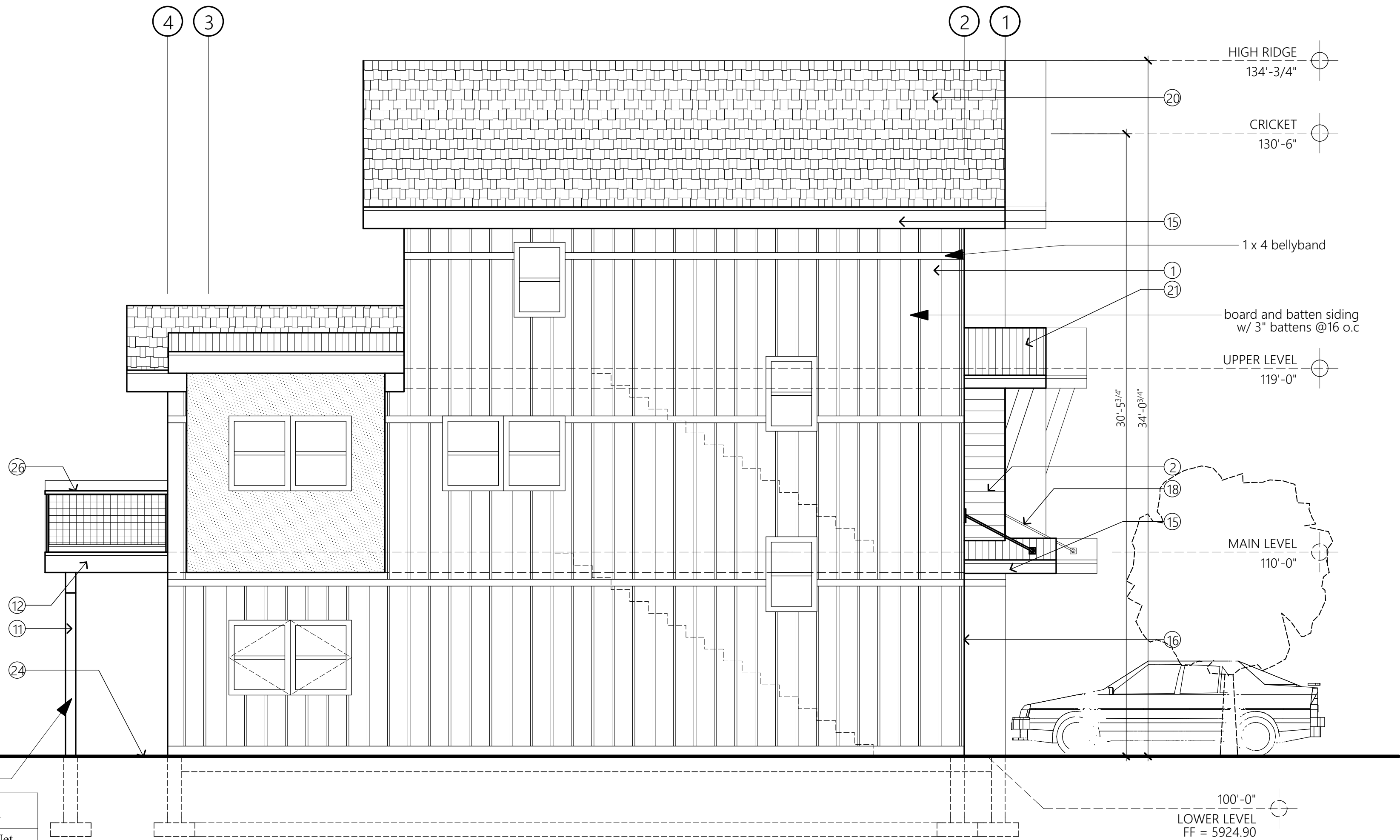


BUILDING '3' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	3332.00 s.f.	100.0 %
Net Siding	1682 s.f.	51.0 %
Net EIFS	732.00 s.f.	22.0 %
Net Glazing	918.00 s.f.	27.0 %

BUILDING '4' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	915.37 s.f.	100.0 %
Net Siding	735.95 s.f.	80.0 %
Net EIFS	85.92 s.f.	09.4 %
Net Glazing	93.50 s.f.	10.6 %

BUILDING '4' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHEAST FACING

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEIPTION NO. 547814.

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SURVEYOR

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CONTRACTOR

TBD

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
- 27.



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	3332.00 s.f.	100.0 %
Net Siding	2516.00 s.f.	76.0 %
Net EIFS	38.00 s.f.	01.0 %
Net Glazing	702.00 s.f.	21.0 %

BUILDING '4' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHEAST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	960.84 s.f.	100.0 %
Net Siding	769.14 s.f.	80.0 %
Net EIFS	94.70 s.f.	09.8 %
Net Glazing	97.00 s.f.	10.2 %

BUILDING '4' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHWEST FACING

END UNIT

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
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Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECEPTION NO. 547814.

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Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

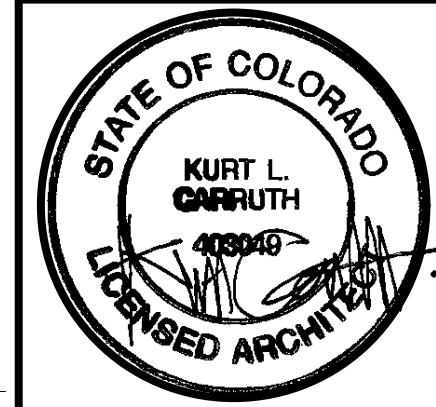
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Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
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Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

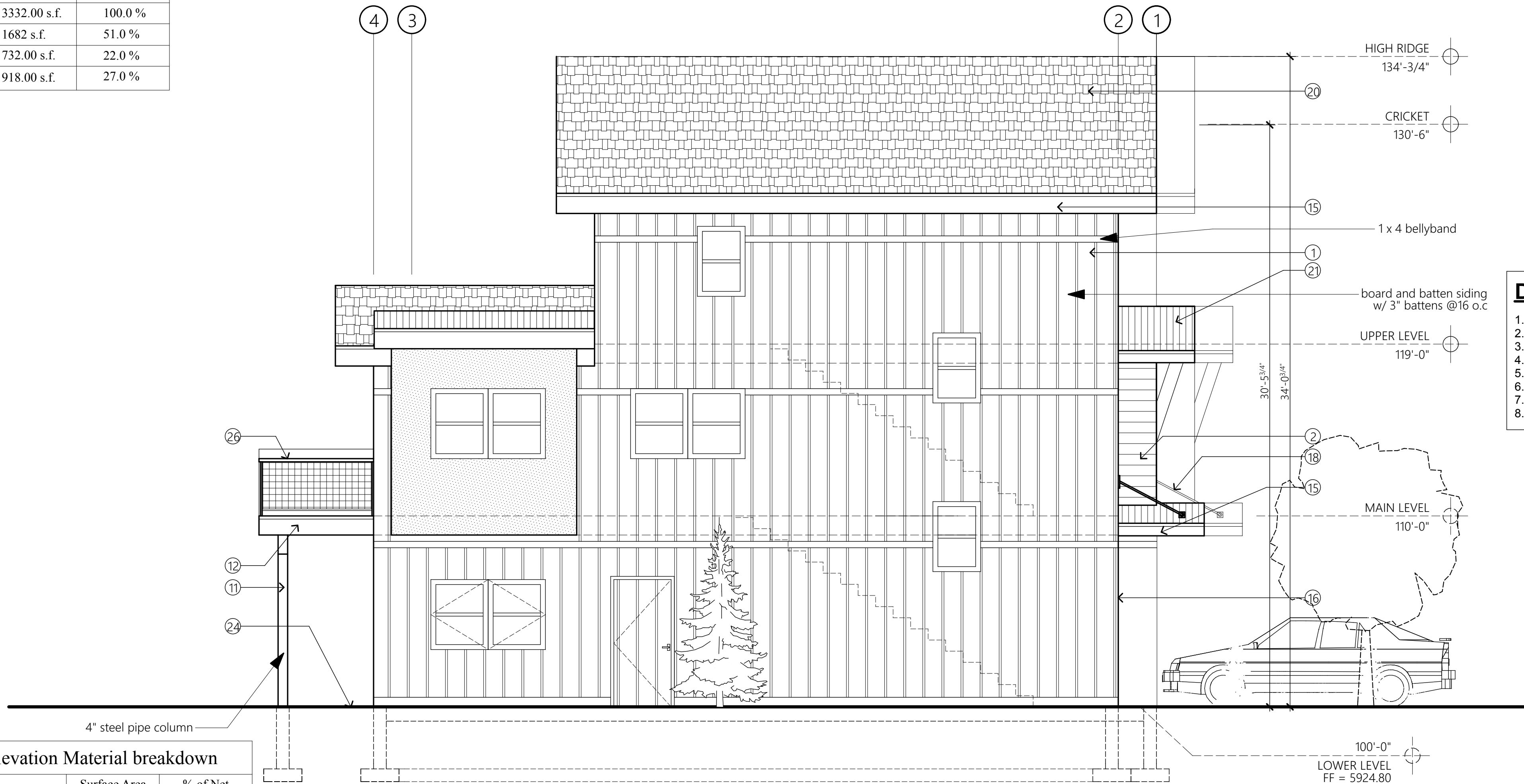
Development Plan Review set
10-22-18
Development Plan Review Updates
11-02-18
Development Plan Review Updates
11-12-18

Project designed and drawn
to adhere to the 2015 IRC.



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	3332.00 s.f.	100.0 %
Net Siding	1682 s.f.	51.0 %
Net EIFS	732.00 s.f.	22.0 %
Net Glazing	918.00 s.f.	27.0 %

BUILDING '5' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHEAST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	915.37 s.f.	100.0 %
Net Siding	735.95 s.f.	80.0 %
Net EIFS	85.92 s.f.	09.4 %
Net Glazing	93.50 s.f.	10.6 %

BUILDING '5' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHEAST FACING

- Design Combinations per PUD**
1. Combinations of smaller masses: three story with 2 story elements.
 2. Gabled roofs with cross gables, and secondary shed roofs for scale.
 3. Moderate to steep roof pitches with overhanging eaves.
 4. Front entry and windows facing the street.
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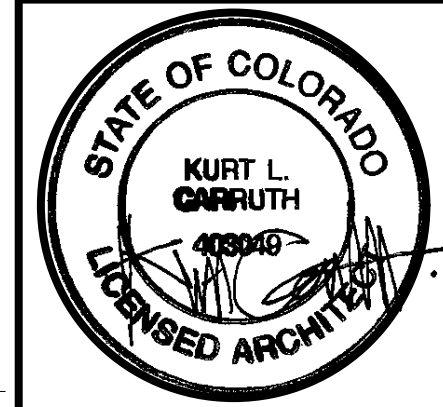
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(970) 355-9306

CONTRACTOR
TBD

Exterior Materials Legend

- Exterior Finishes:**
1. LP Smart Siding, board and batten w/ 2" battens.
 2. Stucco - color TBD
 3. Concrete patio
- Beams & Columns:**
11. Steel Pipe Column - (size as shown)
 12. Painted beam - see structural
 - 13.
 - 14.
- Trim:**
15. LP Smart Siding fascia - paint grade
 16. Garage doors
 18. Steel 'tie back' braces - see structural
 19. LP Smart Siding 1 x 4 trim to cover horiz. joints
- Roofing:**
20. Arch. grade asphalt shingles - (color TBD)
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- Misc.:**
24. Indicates finished grade
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 26. 36" guardrail per code - wood cap with 'hog wire' metal panels
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DRAWING	ISSUE
Development Plan Review set	10-22-18
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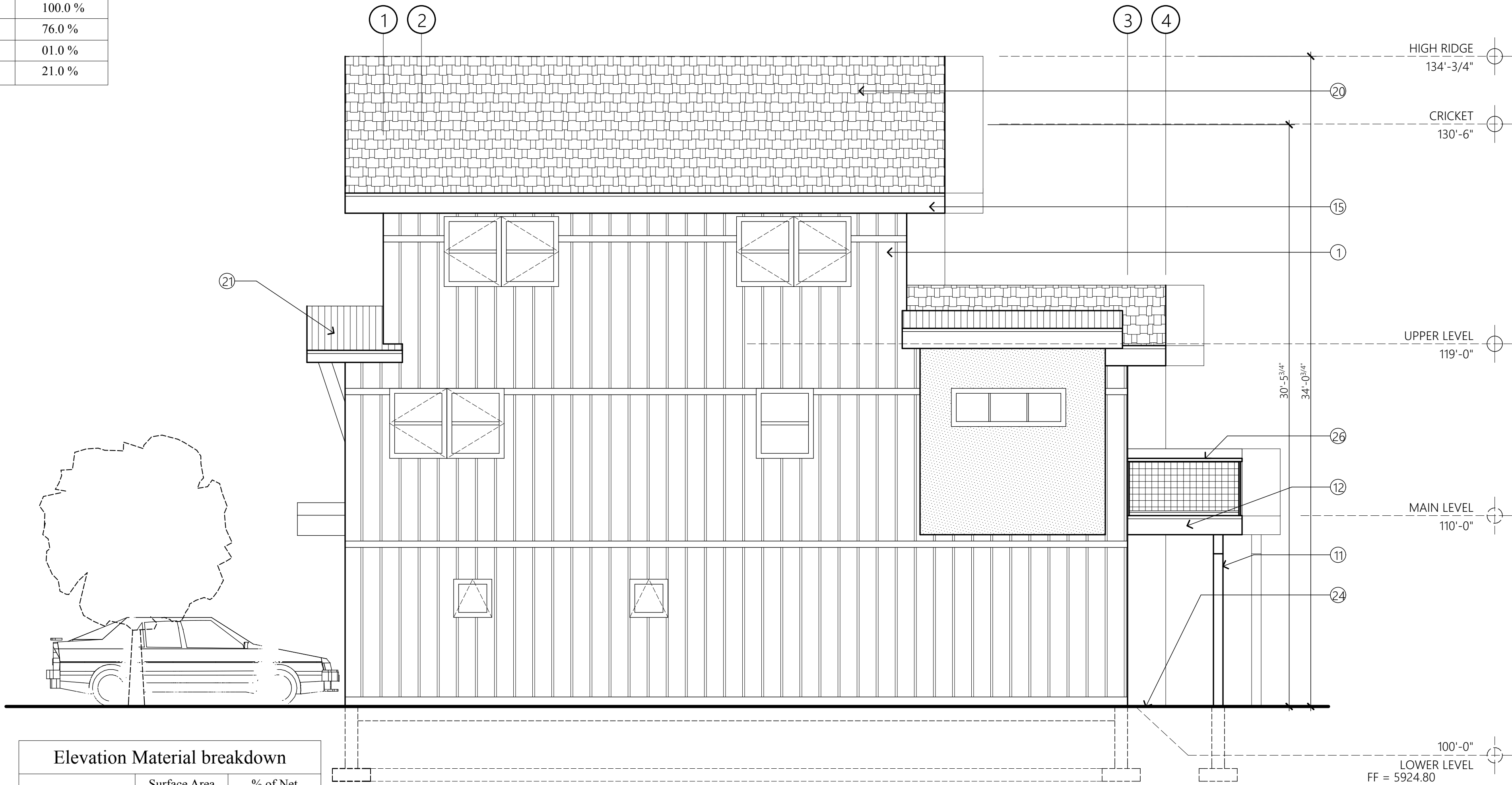
Project designed and drawn to adhere to the 2015 IRC.

A3.9
Building 5 - Lot 96



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	3332.00 s.f.	100.0 %
Net Siding	2516.00 s.f.	76.0 %
Net EIFS	38.00 s.f.	01.0 %
Net Glazing	702.00 s.f.	21.0 %

BUILDING '5' ELEVATION
SCALE: 1/4" = 1'-0"
NORTHWEST FACING



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	960.84 s.f.	100.0 %
Net Siding	769.14 s.f.	80.0 %
Net EIFS	94.70 s.f.	09.8 %
Net Glazing	97.00 s.f.	10.2 %

BUILDING '5' ELEVATION
SCALE: 1/4" = 1'-0"
SOUTHWEST FACING

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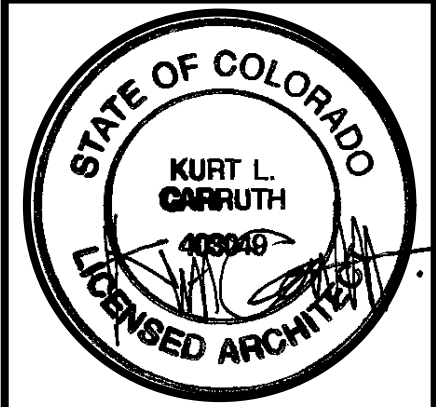
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CONTRACTOR
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Exterior Materials Legend

- Exterior Finishes:
1. LP Smart Siding, board and batten w/ 2" battens.
 2. Stucco - color TBD
 3. Concrete patio
- Beams & Columns:
11. Steel Pipe Column - (size as shown)
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- Trim:
15. LP Smart Siding fascia - paint grade
 16. Garage doors
 18. Steel 'tie back' braces - see structural
 19. LP Smart Siding 1 x 4 trim to cover horiz. joints
- Roofing:
20. Arch. grade asphalt shingles - (color TBD)
 21. Corrugated Metal roofing, (color TBD)
 - 23.
- Misc.:
24. Indicates finished grade
 - 25.
 26. 36" guardrail per code - wood cap with 'hog wire' metal panels
 - 27.

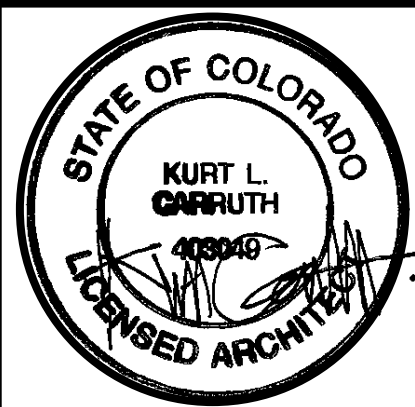


Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING	ISSUE
Development Plan Review set	10-22-18
Development Plan Review Updates	11-02-18
Development Plan Review Updates	11-12-18

Project designed and drawn to adhere to the 2015 IRC.

A3.10
Building 5 - Lot 96



Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE

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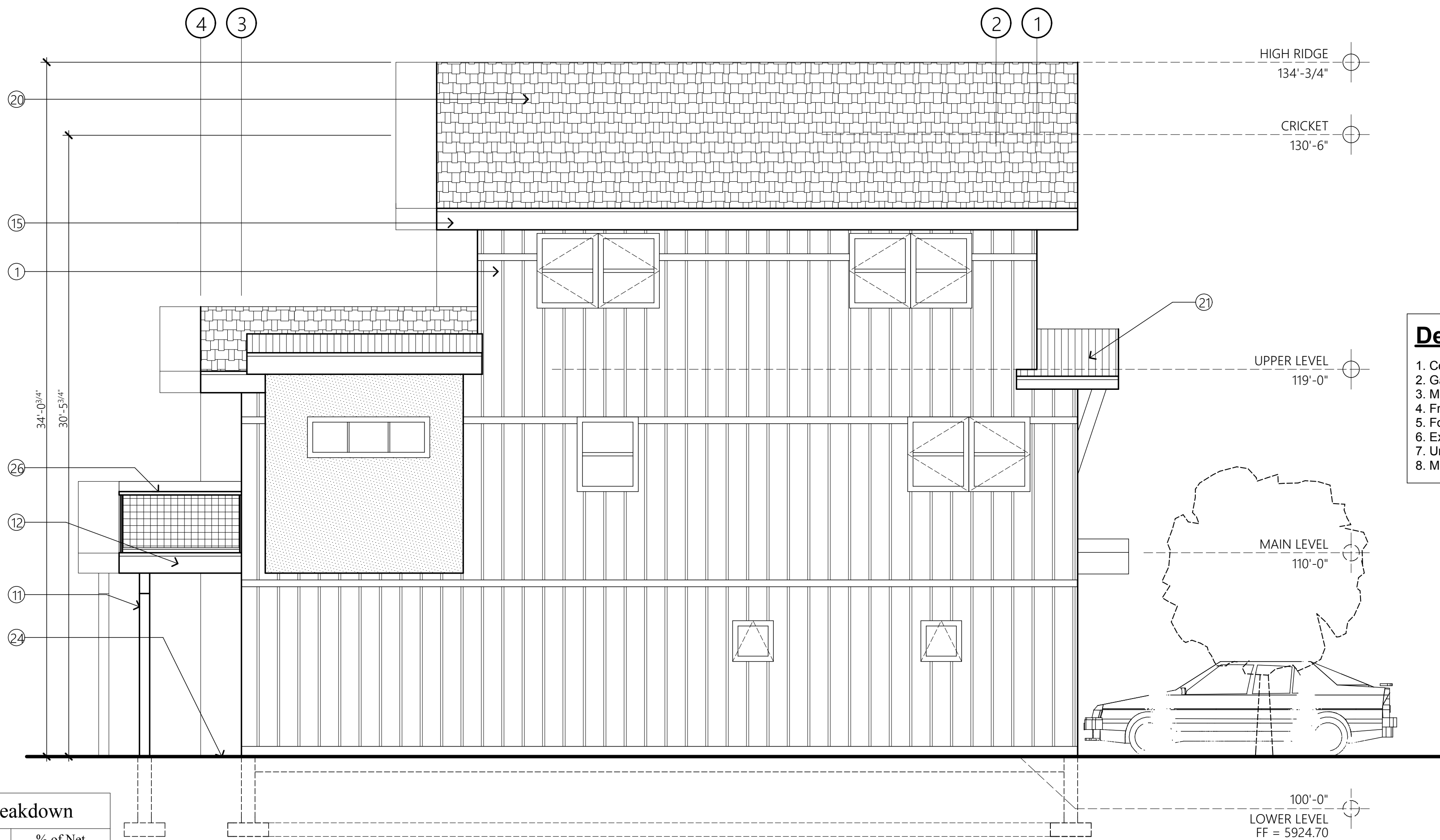
Project designed and drawn
to adhere to the 2015 IRC.

A3.11
Building 6 - Lot 96



BUILDING '3' ELEVATION

SCALE: 1/4" = 1'-0"
SOUTHEAST FACING



BUILDING '6' ELEVATION

SCALE: 1/4" = 1'-0"
SOUTHWEST FACING

END UNIT

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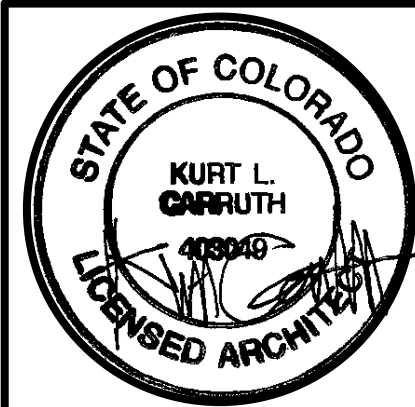
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SURVEYOR

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(970) 355-9306

CONTRACTOR

TBD



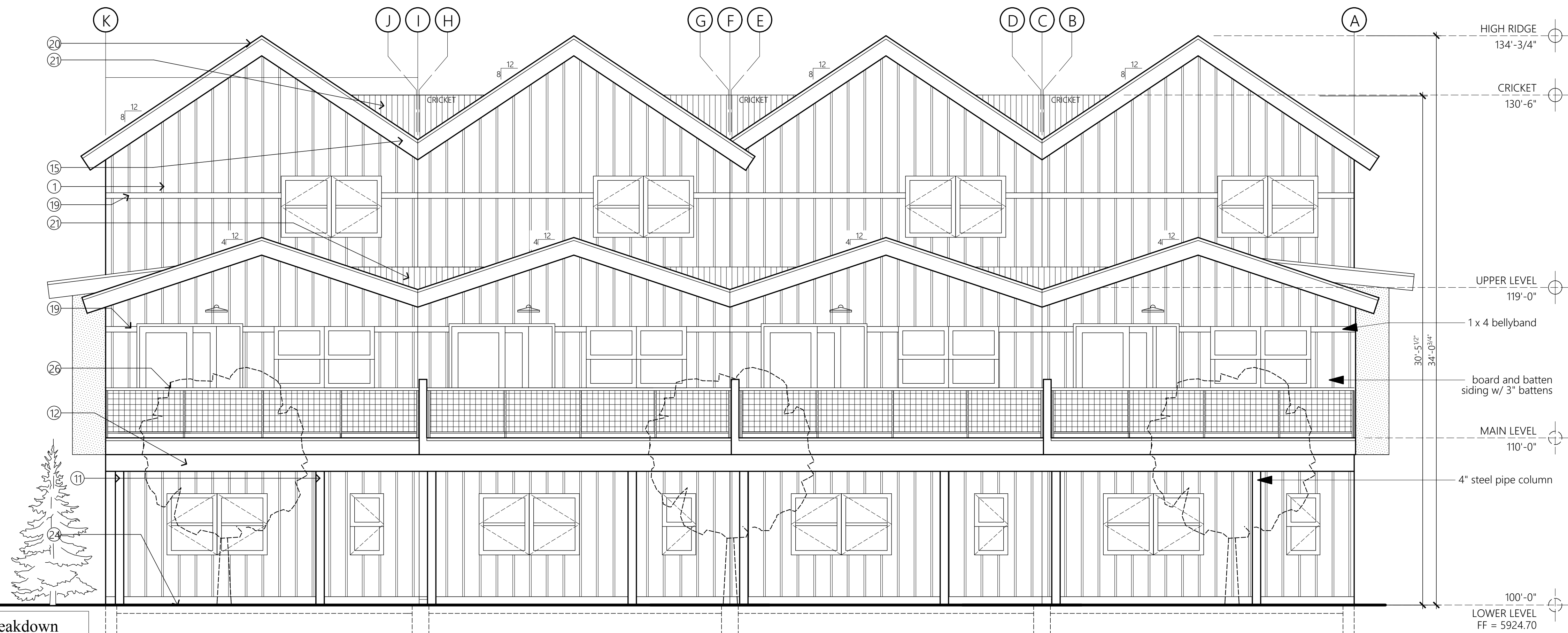
Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
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DRAWING ISSUE

Development Plan Review set
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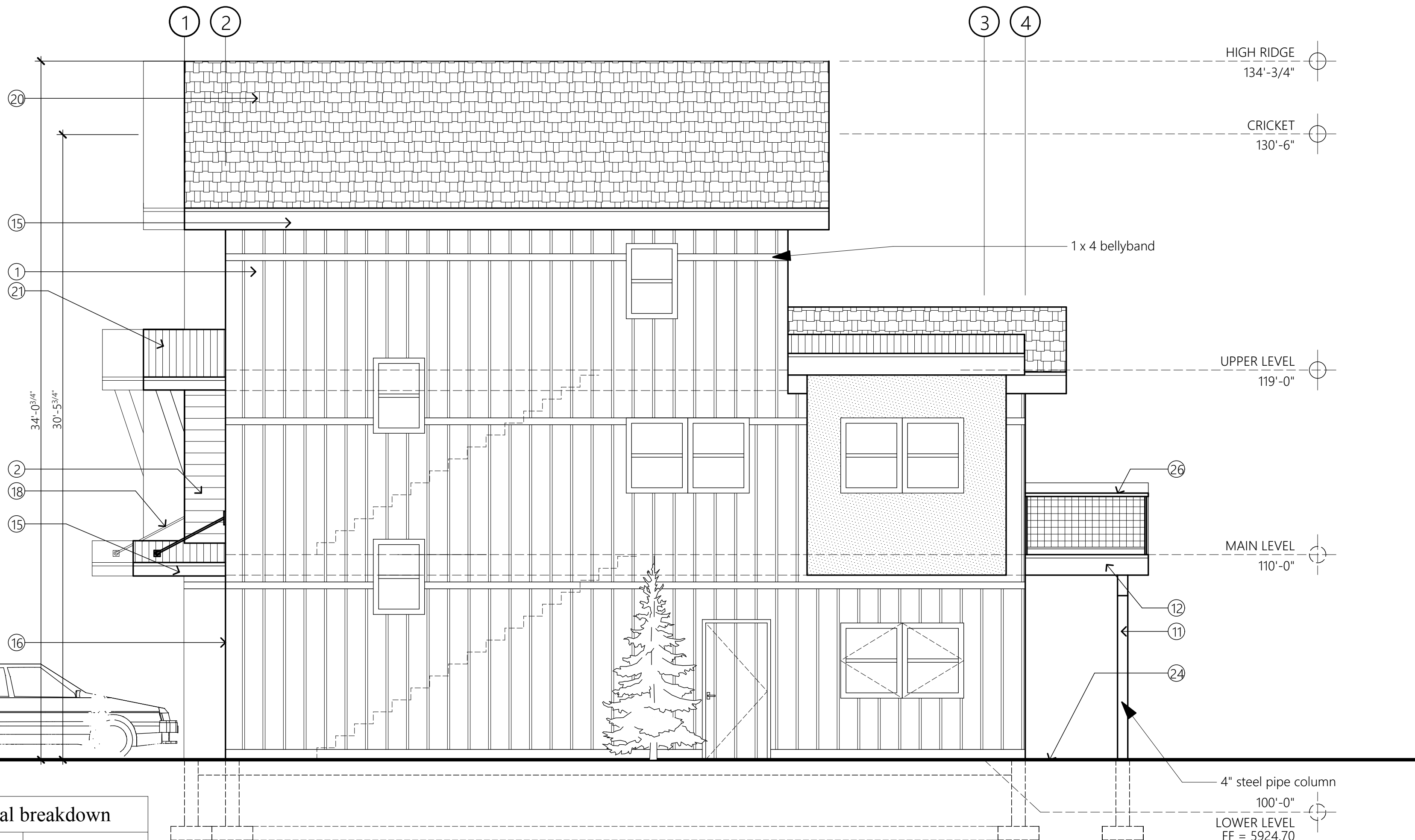
A3.12
Building 6 - Lot 96



Elevation Material breakdown		
	Surface Area	% of Net
Gross SF of Wall	2221.32 s.f.	100.0 %
Net Siding	1677.32 s.f.	75.0 %
Net EIFS	38.00 s.f.	04.0 %
Net Glazing	468.00 s.f.	21.0 %

BUILDING '6' ELEVATION

SCALE: 1/4" = 1'-0"
NORTHWEST FACING



Elevation Material breakdown		
% of Net	Surface Area	Gross SF of Wall
100.0 %	915.37 s.f.	Net Siding
80.0 %	735.95 s.f.	Net EIFS
09.4 %	85.92 s.f.	Net Glazing
10.6 %	93.50 s.f.	

BUILDING '6' ELEVATION

SCALE: 1/4" = 1'-0"
NORTHEAST FACING

END UNIT

Exterior Materials Legend

Exterior Finishes:

1. LP Smart Siding, board and batten w/ 2" battens.
2. Stucco - color TBD
3. Concrete patio

Beams & Columns:

11. Steel Pipe Column - (size as shown)
12. Painted beam - see structural
- 13.
- 14.

Trim:

15. LP Smart Siding fascia - paint grade
16. Garage doors
18. Steel 'tie back' braces - see structural
19. LP Smart Siding 1 x 4 trim to cover horiz. joints

Roofing:

20. Arch. grade asphalt shingles - (color TBD)
21. Corrugated Metal roofing, (color TBD)
- 23.

Misc.:

24. Indicates finished grade
- 25.
26. 36" guardrail per code - wood cap with 'hog wire' metal panels
- 27.

Design Combinations per PUD

1. Combinations of smaller masses: three story with 2 story elements.
2. Gabled roofs with cross gables, and secondary shed roofs for scale.
3. Moderate to steep roof pitches with overhanging eaves.
4. Front entry and windows facing the street.
5. Focal windows, door and window surrounds of human scale.
6. Exterior decks.
7. Uniform setbacks from street for SFR.
8. Minimum of 2 parking spaces (1 inside, 1 outside) for each SFR.

Lot 96: Cardiff Glen PUD, Zoning Standards, R-3-PUD, Multi Family Residential, Section V1 Building Height item A. Residential (item 3) Lot 96, 40 feet (item 4)

Lot 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace, whichever is more restrictive. Accordingly, Solstice Bldg. 1 on Lot 95 is therefore 24 feet and compliant with the TERMS AND CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAYAS CONTAINED IN THE AVIATIONAND HAZARDS RECEIVED JUNE 24, 1999 IN BOOK 1136, AT PAGE 848, RECORD NO. 547814.

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(970) 355-9306

CONTRACTOR

TBD

EARTHWORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
2. ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.

NPDES DRAINAGE WATER QUALITY NOTES:

1. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENTS, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOW LINES AND PUBLIC RIGHTS-OF-WAY AS A RESULT OF THIS CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
2. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER INLETS IS PROHIBITED.
3. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATION, INVOLVING WHEEL CUTTING, SAW CUTTING OR ABRASIVE WATER JUST CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER IS PROHIBITED.
4. THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING TRENCH BACKFILL MATERIAL, FROM WASHING INTO THE STORM SEWER SYSTEM.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A STORM WATER MANAGEMENT PLAN PERMIT.

UTILITY GENERAL NOTES:

1. ANY CONTRACTOR-CAUSED DAMAGE TO UTILITY AND/OR SERVICE LINES SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE CITY OF GLENWOOD SPRINGS OR THE RESIDENTS OF CARDIFF GLEN, AND AND SHALL BE ACCOMPLISHED BY THE CONTRACTOR, SUBCONTRACTOR OR AS APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA. LIKEWISE, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK AND THAT OF THE INVOLVED UTILITIES IN THE PROJECT AREA.
2. UNDERGROUND UTILITY LINES HAVE NOT BEEN SHOWN ON THE PLANS, HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
3. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING.
4. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITY AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE CITY OF GLENWOOD SPRINGS AND THE ASSOCIATED UTILITY SERVICE PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTAL ITEMS NEEDED TO PROVIDE ADEQUATE CONSTRUCTION SIGNING, BARRICADES, TRAFFIC CONTROL DEVICES AND OTHER RELATED ITEMS FOR THE PROJECT AREAS, DURING THE CONSTRUCTION PERIOD.
2. ALL SIDEWALK AND PAVED DRIVEWAY REMOVALS SHALL BE BOUNDED BY JOINTS OR SAWCUTS. SAWCUTTING IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO THE START OF WORK.
4. ANY SURPLUS EXCAVATION TO INCLUDE BUT NOT LIMITED TO THE REMOVAL OF LANDSCAPING FOR SIDEWALK INSTALLATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND DISPOSAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL REMOVE AND STOCKPILE ALL SALVAGED TOPSOIL TO BE USED LATER AS BACKFILL BEHIND CURBS AND DRIVES OR IN THE RESTORATION OF DISTURBED AREAS. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
6. THE CONTRACTOR SHALL LEVEL ALL DISTURBED AREAS WITH TOPSOIL AND HAND-RAKE TO A UNIFORM APPEARANCE. THE AREA SHALL BE SEEDED WITH PROTECTIVE STRAW MAT COVER DURING WINTER MONTHS, SODDED OR SEEDED IN A FASHION THAT PREVENTS THE EFFECTS OF EROSION.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CDOT AND THE CITY OF GLENWOOD MUNICIPAL CODE, ENGINEERING DEPARTMENT, GENERAL PROVISIONS, SPECIAL PROVISIONS, ENGINEERING SPECIFICATIONS, REVISIONS TO STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, CDOT STANDARD SPECIFICATIONS, LATEST REVISION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
3. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
4. SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
5. THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
6. STORAGE IS NOT ALLOWED IN THE PUBLIC ROW.
7. ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
8. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
9. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF GLENWOOD'S SPRINGS AND THE ENGINEER.
10. THE ENGINEER SHALL BE NOTIFIED WITHIN 48 HOUR PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
11. DIMENSIONS AND RADII ARE SHOWN TO THE FLOW LINE OF CURB UNLESS OTHERWISE SHOWN.
12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
13. THE CONTRACTOR SHALL NOT REMOVE AND SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, AND EXISTING IMPROVEMENTS INSIDE AND OUTSIDE THE LIMITS OF WORK. SPECIFIC PROVISIONS ARE SHOWN ON THE PLANS.
14. NO TREES SHALL BE REMOVED OR TRIMMED WITHOUT PRIOR ACKNOWLEDGEMENT OF THE PROPERTY OWNER AND/OR PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
15. THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE.
16. THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS AT ALL TIMES DURING THE PROJECT.
17. THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT.

18. WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO "REMOVAL OF ASPHALT PAVEMENT". THE CONTRACTOR WILL BE REQUIRED TO PAINT THE EDGE OF THE CUT PAVEMENT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER.
19. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
20. THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTRIBUTED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
22. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS ON SITE FOR THE DURATION OF THE PROJECT WITH APPROPRIATE MONUMENTATION AS MAY BE NECESSARY SET BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
23. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF THE TRAVELED WAY.
24. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
25. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
26. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COURSES TO IMPROVE BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
27. IF SHOWN ON PLANS STORM INLET STATIONING AND ELEVATION REFERENCE CENTER OF BOX. STORM MANHOLE STATIONING REFERENCE CENTER OF MANHOLE.
28. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION.
29. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.

30. EROSION CONTROL PLANNING SHOULD BE INCLUSIVE OF ALL EROSION CONTROL MEASURES; INCLUDING, BUT NOT LIMITED TO, CONTROLLED ENTRANCE/EXIT LOCATIONS, VEHICLE TRACKING CONTROL, CONCRETE WASHOUT, EROSION CONTROL BLANKETS, SEEDING/MULCHING, ETC. A PERMIT WILL BE REQUIRED THROUGH THE CDPHE FOR STORMWATER DISCHARGES RELATED TO CONSTRUCTION ACTIVITIES FOR A TOTAL DISTURBANCE GREATER THAN ONE (1) ACRE. THE APPROVED SWMP SHALL BE SUBMITTED TO THE CITY OF GLENWOOD SPRINGS.
31. CONTRACTOR SHALL VERIFY THAT ALL ADA LANDINGS ARE NO STEEPER THAN A 2% GRADE IN ALL DIRECTIONS.

SPECIAL PROJECT NOTES:

1. THE ANTICIPATED START OF DATE FOR INFRASTRUCTURE WILL BE LATE 2018 OR EARLY 2019 DEPENDING ON ENTITLEMENTS, PERMITTING, AND WEATHER CONDITIONS. THE INFRASTRUCTURE WILL BE COMPLETED BY FALL OF 2019.
2. THE TRACKING ON MUD ONTO LOCAL STREETS SHALL NOT BE PERMITTED.
3. PROJECT ELEVATION BENCHMARK IS LOCATED AT CENTER OF THE FOLLOWING INTERSECTION: CRAWFORD WAY/STOCKTON LANE HAVING AN ELEVATION OF 5923.80.



SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DATE OF PREPARATION: 10-22-18															
DRAWN & DESIGNED BY: H.E.B.		REVIEWED BY: _____ DATE: _____ FOR _____	<u>PINNACLE DESIGN CONSULTING GROUP, INC.</u> CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacle设计@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHK'D	SOLSTICE		GLENWOOD SPRINGS, COLORADO		SCALE: N.T.S.	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.											CARDIFF GLEN SUBDIVISION – LOTS 95 AND 96 GENERAL NOTES		SHEET NO: C1		

GENERAL NOTES SEWER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTURAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.
- GLENWOOD WATER AND SANITATION 945-7685
GLENWOOD ELECTRIC DEPARTMENT 945-6672
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 1-800-922-1987
2. A MINIMUM OF TEN (10) FEET SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. SEWER LINE SHALL BE ENCASED ACCORDING TO THE STANDARD DETAIL (SEE SEWER DETAILS SHEET). IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF GLENWOOD RULES AND REGULATIONS.
4. ALL ENDS OF SEWER SERVICE LINES AND FUTURE STUBS SHALL BE MARKED WITH A METAL FENCE POST, PAINTED GREEN FOR SEWER.
5. CONTRACTOR TO EXCAVATE ALL CONNECTION LOCATIONS TO EXISTING SEWER LINE. CONTRACTOR SHALL VERIFY THE INVERT ELEVATION AND LOCATION AND REPORT TO ENGINEER. GRADES WILL BE ADJUSTED IN THE FIELD IF NECESSARY.
6. SEWER PIPE SHALL BE SDR 35 PVC.
7. SEWER SERVICE SIZES SHALL BE 4" UNLESS OTHERWISE NOTED.
8. SEWER SERVICES SHALL BE CONSTRUCTED AT A MINIMUM 2% GRADE FROM SEWER MAIN TO TERMINATION POINT.
9. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. AREA. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. AY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. INSTALLATION OF SEWER LINES THAT CROSS WATER LINES SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD SPRINGS STANDARDS AND SPECIFICATIONS AND THE COLORADO DEPARTMENT OF HEALTH.
12. CONTRACTOR SHALL PROVIDE A COMPREHENSIVE LIST OF MATERIALS AND MANUFACTURERS TO THE CITY OF GLENWOOD SPRINGS WATER AND SANITATION DEPARTMENT PRIOR TO ORDERING MATERIALS.
13. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
14. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND SEWER INFRASTRUCTURE.
15. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL SEWER LINE INFRASTRUCTURE ON LOTS 95 & 96.

GENERAL NOTES WATER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTURAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.
- GLENWOOD WATER AND WASTEWATER 384-6344
GLENWOOD ELECTRIC DEPARTMENT 945-5521
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 811
2. A MINIMUM OF TEN (10) FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL WATER MAINS SHALL BE INSTALLED WITH A 5'-6" MINIMUM DEPTH OF COVER. SHOULD CONFLICTS ARISE BETEEN EXISTING UNDERGROUND UTILITIES, THE PROPOSED WATER MAIN DEPTH MAY BE VARIED PROVIDED THE MINIMUM COVER DEPTH IS MAINTAINED.
4. ALL MAIN LINE AND HYDRANT VALVES BOXES LOCATED IN THE ASPHALT SHALL BE ADJUSTED TO 1/4 INCH BELOW FINISHED GRADE ELEVATIONS.
5. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD RULES AND REGULATIONS.
6. MAXIMUM DEFLECTION PER JOINT IS 10" PER JOINT OR R = 380' FOR 6" & 8" DIP.
7. WHERE A WATERLINE CROSSES BENEATH A STORM DRAINAGE CONDUIT AND ACTUAL EARTH COVER IS REDUCED TO LESS THAN 5', INSULATION WILL BE REQUIRED TO A DISTANCE 10' EITHER SIDE OF THE WATERLINE PER DETAIL.
8. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. AY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE LOCATION OF UNDERGROUND PIPING MAY BE FIELD MODIFIED TO SOME EXTENT TO SUIT FIELD CONDITIONS.
11. THE CONTRACTOR SHALL AVOID CROSS-CONNECTIONS BETWEEN POTABLE WATER SYSTEM AND OUTSIDE IRRIGATION SYSTEM.
12. ALL MAINLINE VALVES, SERVICE VALVES AND TEES SHALL BE TYPE MJ X MJ. FIRE HYDRANT ASSEMBLIES SHALL INCLUDE AN MJ X SWIVEL TEE AND AN MJ X MJ GATE VALVE.
13. MEGALUG JOINT RESTRAINT WILL BE MANDATORY ON ALL VALVES, BENDS AND FITTINGS.
14. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
15. NEW POTABLE WATER MAINS REQUIRE STERILIZATION, PRESSURE TESTING, AND A SUCCESSFUL BACTERIOLOGICAL TEST, PRIOR TO BEING PLACED INTO SERVICE.
16. POLYWRAP SHALL BE INSTALLED WITH ALL UNDERGROUND DUCTILE IRON PIPING.
17. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND WATER INFRASTRUCTURE.
18. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL WATER LINE INFRASTRUCTURE ON LOTS 95 & 96.



SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

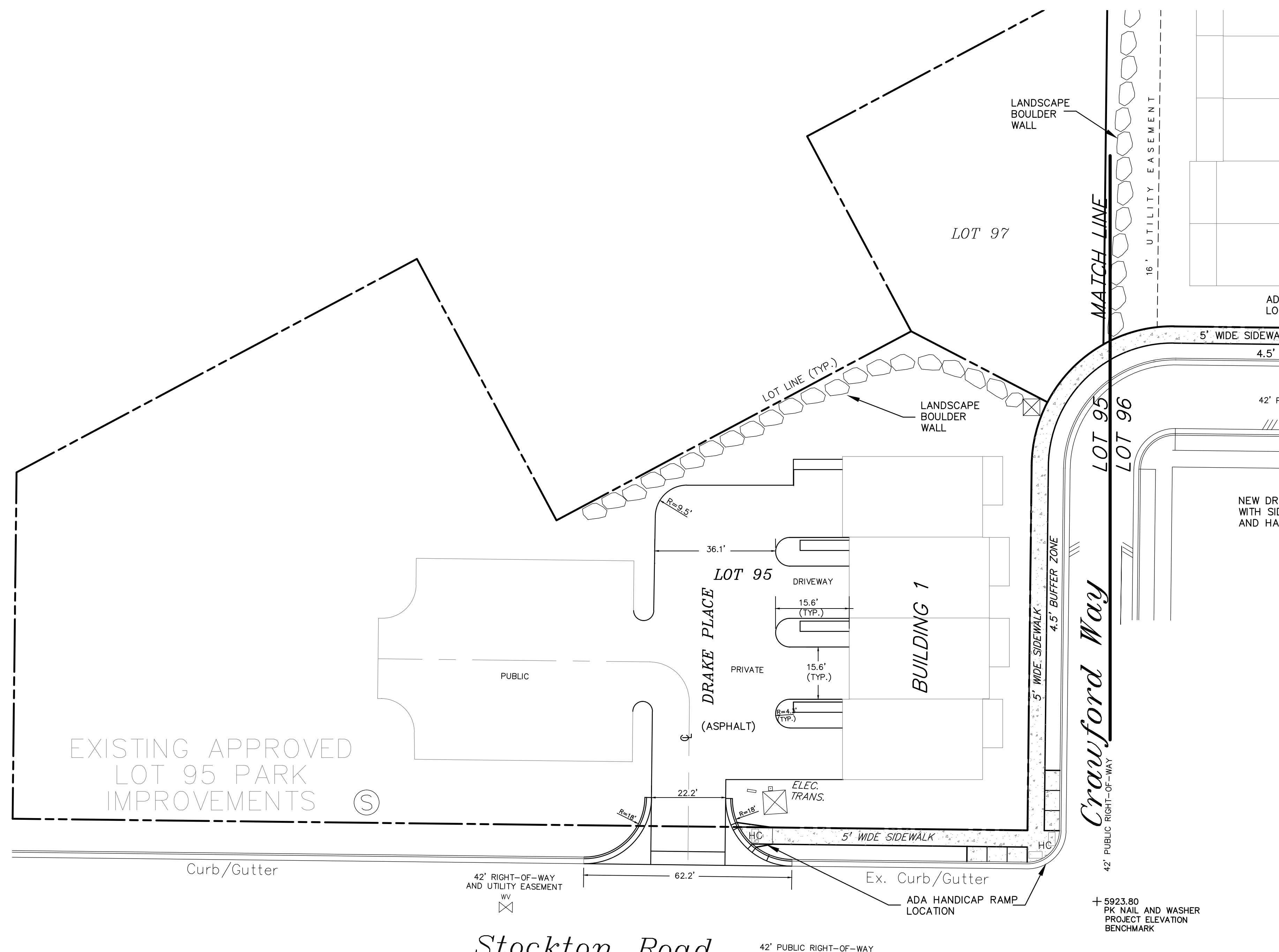
TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.		REVIEWED BY: _____ DATE: _____ FOR _____	PINNACLE DESIGN CONSULTING GROUP, INC. CONSULTING ENGINEERS ● 0805 BUCK POINT ROAD CARBONDALE, CO 81623 ● (970) 963-2170 pinnacle@design@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHK'D	SOLSTICE GLENWOOD SPRINGS, COLORADO		SCALE: N.T.S.	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.	CARDIFF GLEN SUBDIVISION - LOTS 95 AND 96 GENERAL SEWER AND WATER NOTES			SHEET NO: C2									




 EXISTING GATE VALVE
 EXISTING/PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE
 PEDESTAL LOCATION



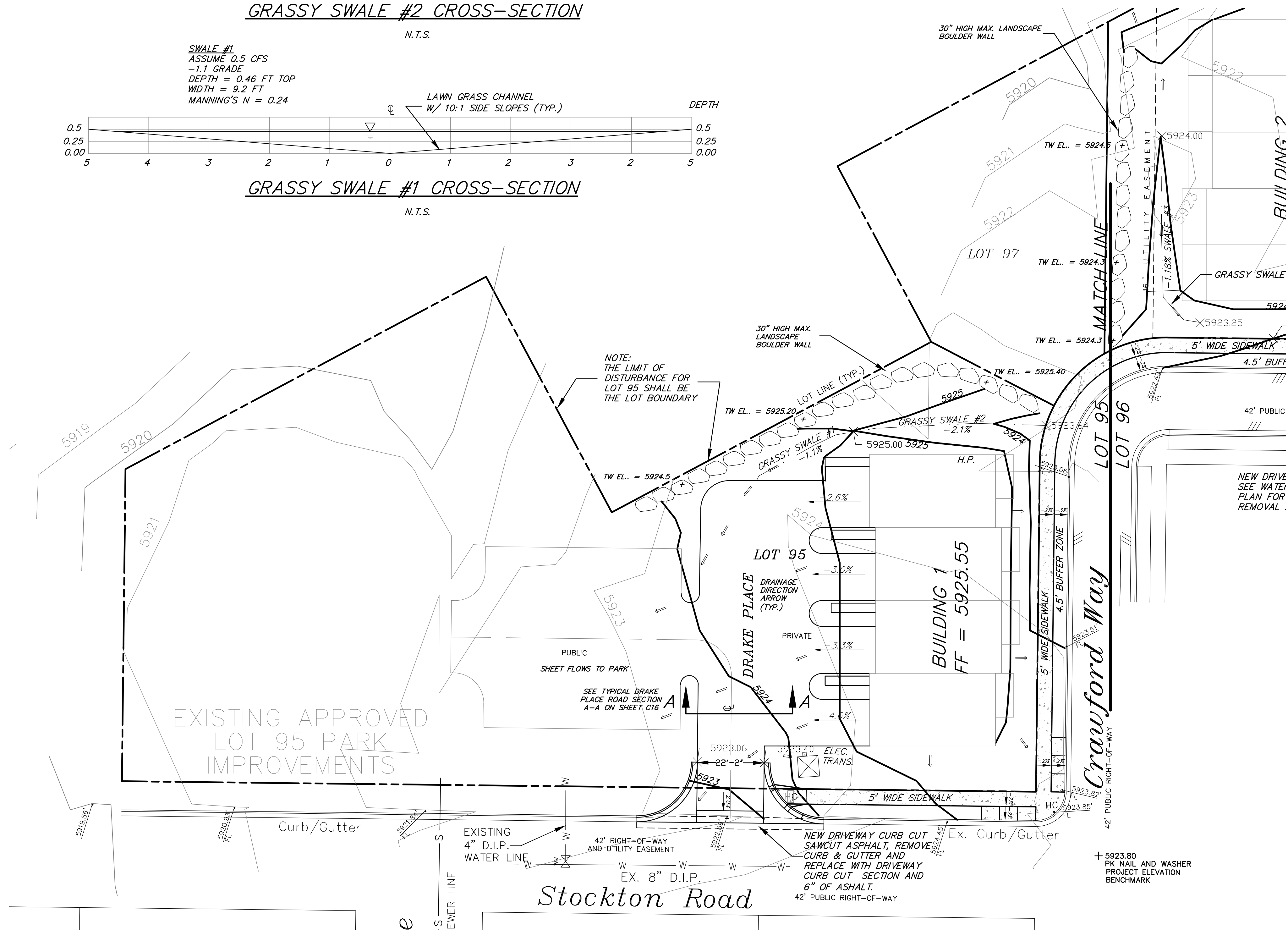
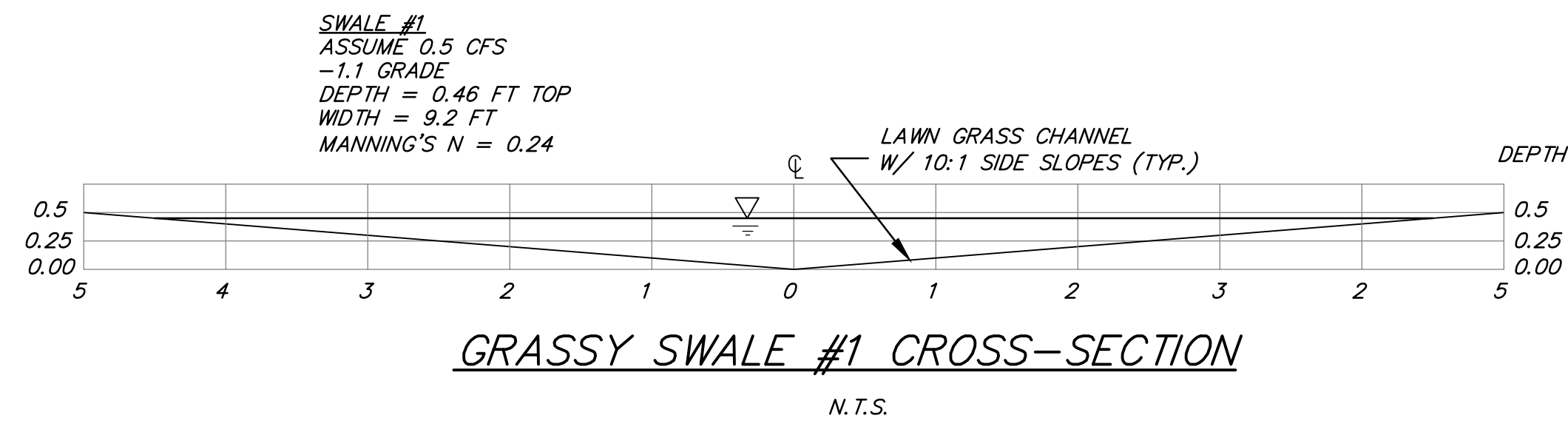
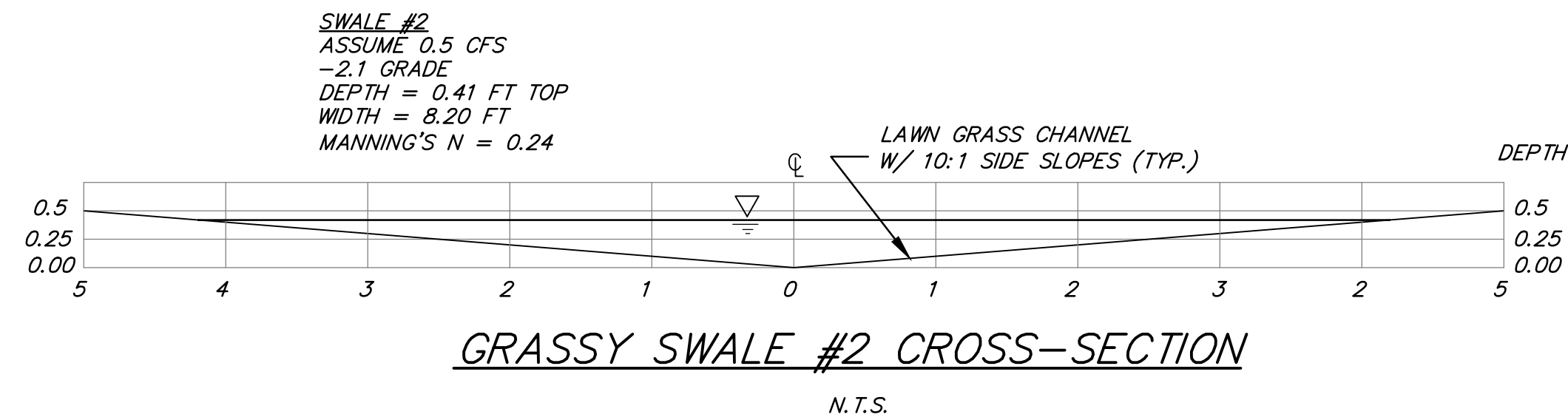
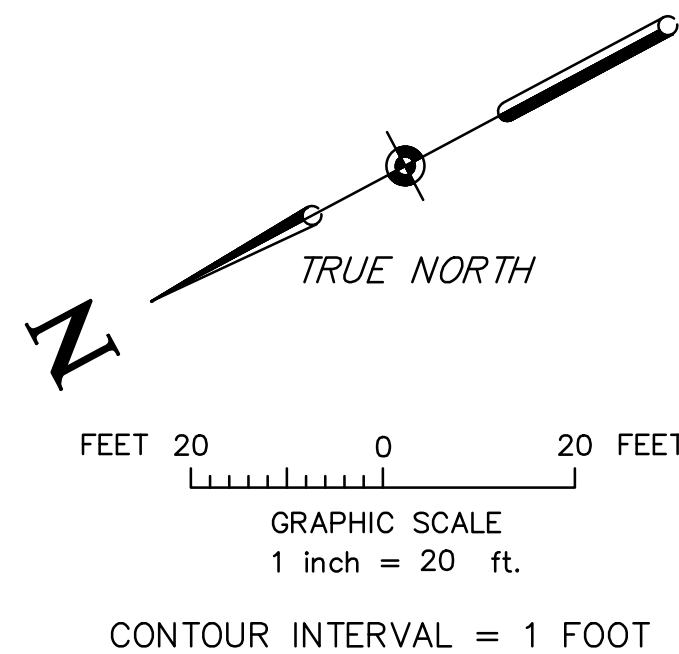
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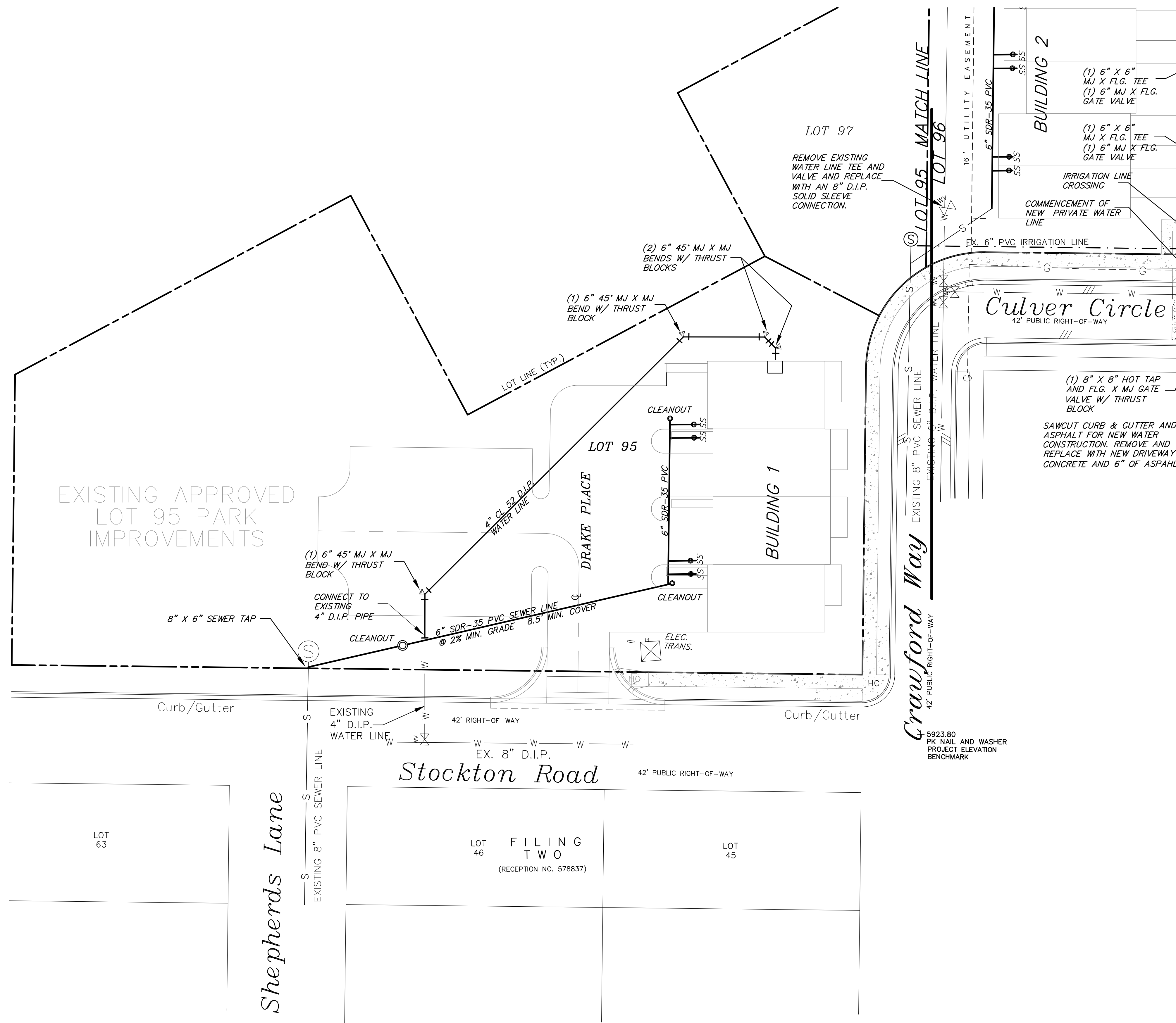
OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO:		

Packet Page 331





	EXISTING SEWER
	EXISTING WATER LINE AS DESCRIBED
	PROPOSED WATER LINE AS DESCRIBED
	PROPOSED SDR-6 PVC SEWER LINE AS DESCRIBED
	NEW 4" SDR-26 PVC SANITARY SEWER SERVICE
	NEW SHARED SEWER SERVICE
	EXISTING GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED GATE VALVE
	PROPOSED CLEAN-OUT
	WATER BEND AND THRUST BLOCK AS DESCRIBED

1. SEE SHEET C2 FOR GENERAL WATER AND SEWER NOTES AS THEY RELATE TO CONSTRUCTION OF THIS PROJECT.
2. A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 95.
3. SEE SANITARY SEWER AND WATER DETAILS ON SHEET C19, C20, AND C21.



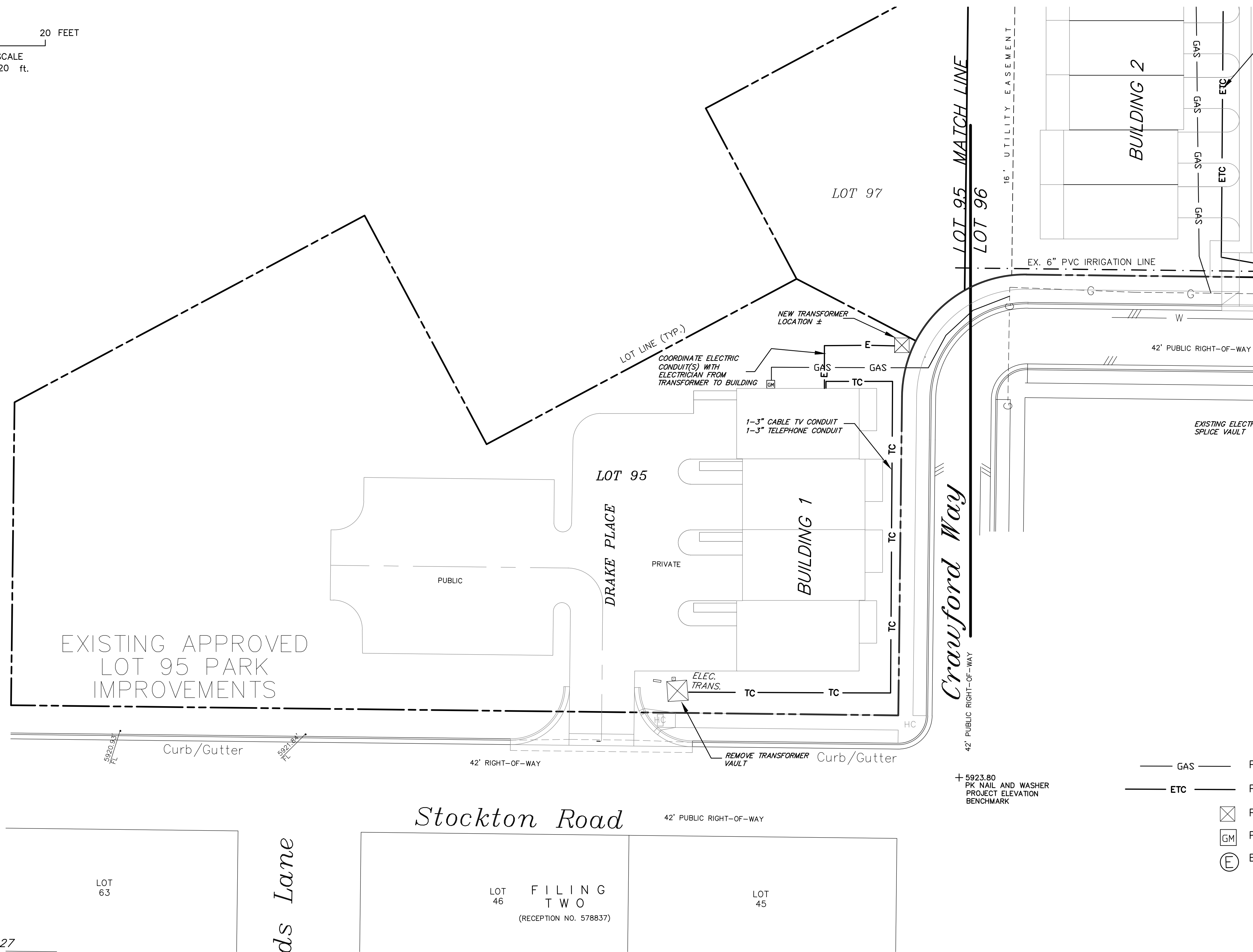
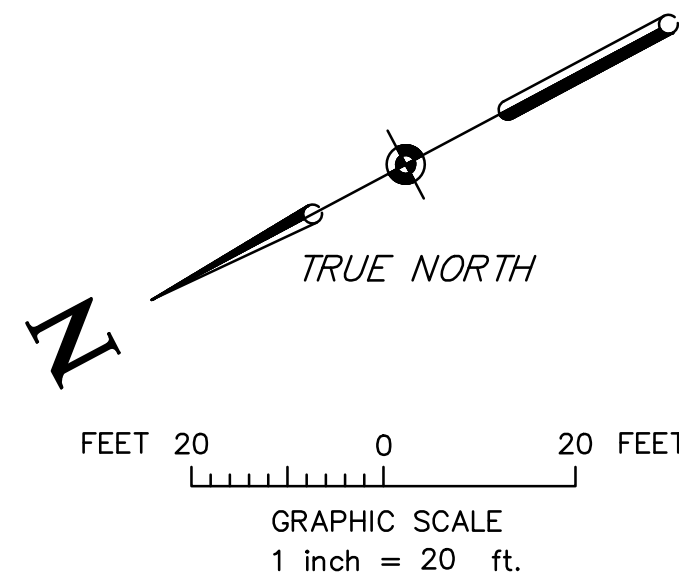
DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

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pinnacle.design@sopris.net

REVISION	DATE	DESCRIPTION	BY	CHECKED

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO: C5		



- GENERAL NOTES SHALLOW UTILITIES:**
1. A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 95.
 2. FINAL GAS LINE SIZING SHALL BE BASED ON BTU LOADING CALCULATIONS FOR THE BUILDINGS.
 3. GAS LINE SHALL HAVE A MINIMUM COVER OF 30" AND BE BEDDED IN SAND.
 4. SEE ELECTRIC DETAILS ON SHEET C22.



LEGEND

- GAS — PROPOSED NATURAL GAS LINE
- ETC — PROPOSED ELECTRIC, TELEPHONE, AND CABLE TV LINE
- ⊠ PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE PEDESTAL LOCATION
- ⊠ GM PROPOSED GAS METER LOCATION
- ⊠ E ELECTRIC VAULT AS DESCRIBED

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

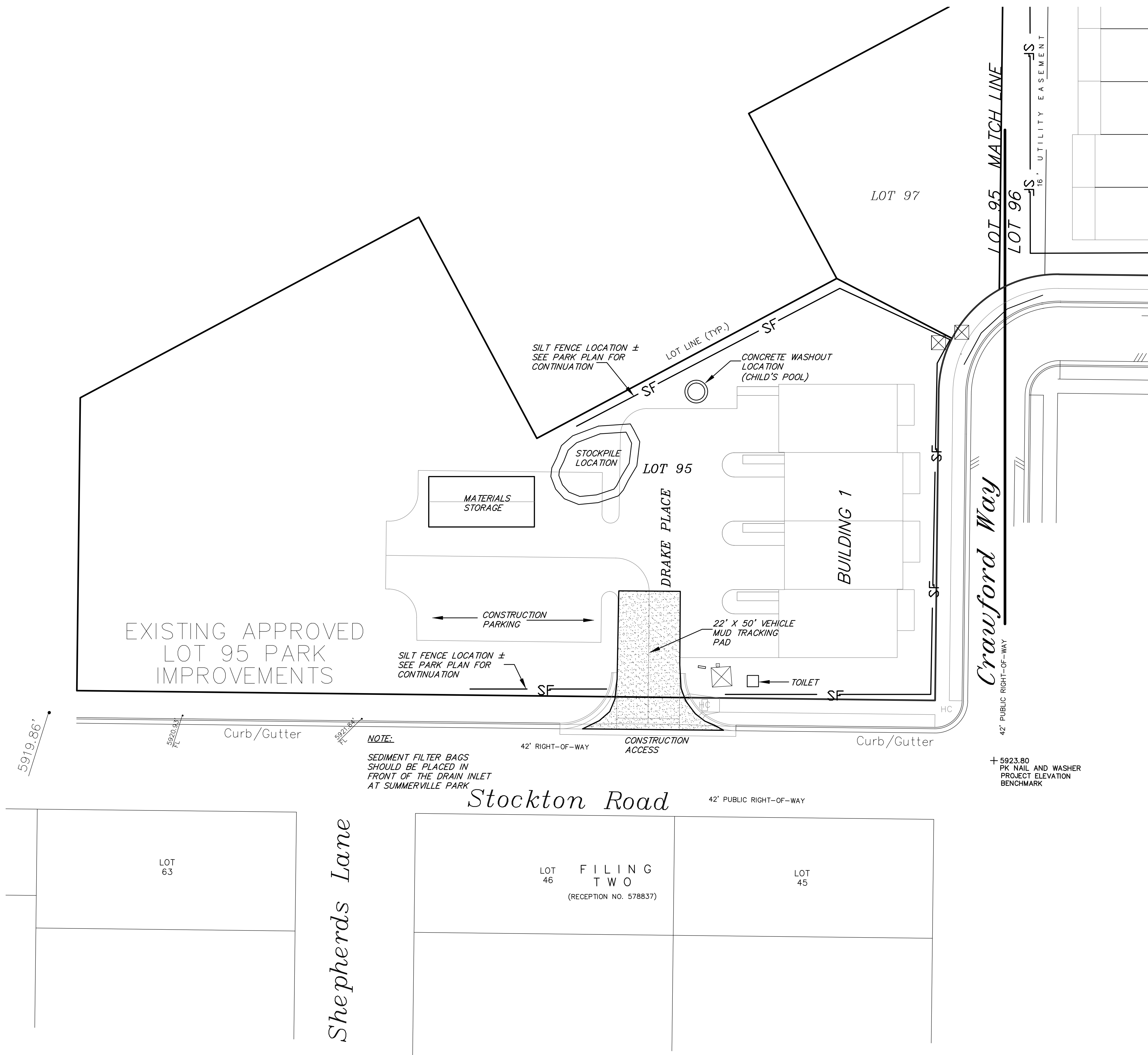
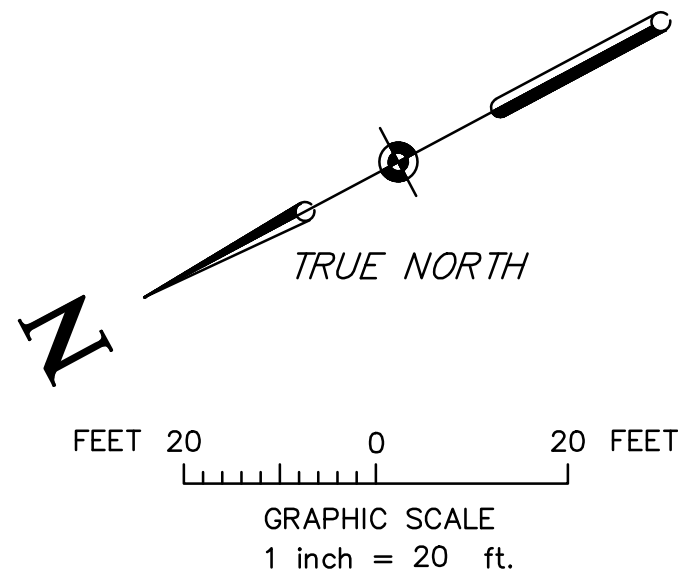
PINNACLE DESIGN CONSULTING GROUP, INC.
CONSULTING ENGINEERS • 0805 BUCK POINT ROAD
CARBONDALE, CO 81623 • (970) 963-2170
pinnacle.design@sopris.net

REVISION	DATE	DESCRIPTION	BY	CH'D

SOLSTICE
GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION – LOT 95
SOLSTICE TOWNHOMES
SHALLOW UTILITIES PLAN

DATE OF PREPARATION: 10-22-18

SCALE: 1" = 20'
JOB NO: 2018.15
DATE: 10-22-18
SHEET NO: C6



- EROSION CONTROL PLAN NOTES:
1. SEE LANDSCAPE PLAN FOR SPECIFIC REVEGETATION AND FINAL PLANTING.
 2. STORM WATER FROM THIS SITE IS ULTIMATELY TRIBUTARY TO THE ROARING FORK RIVER BASIN.
 3. THERE ARE NOT MAJOR DRAINAGE WAYS OR FLOODPLAINS WITHIN 100' OF THE PROPERTY.
 4. SEE EROSION CONTROL DETAILS ON SHEET C23.



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

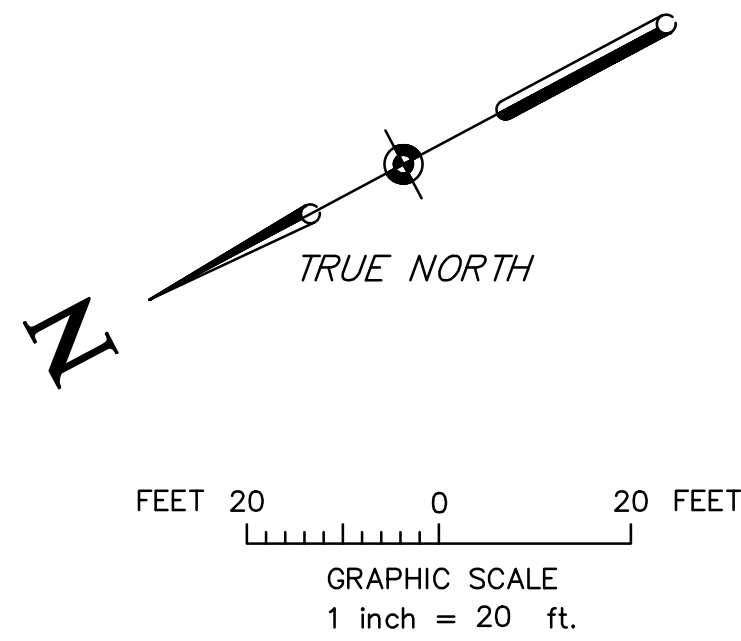
TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____	<u>PINNACLE DESIGN CONSULTING GROUP, INC.</u> CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacle.design@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHK'D	SOLSTICE	GLENWOOD SPRINGS, COLORADO	SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.	DATE: _____ FOR _____								CARDIFF GLEN SUBDIVISION – LOT 95 SOLSTICE TOWNHOMES EROSION CONTROL/CMP PLAN	SHEET NO: C7		



NOTE: THE DEVELOPED RUNOFF COEFFICIENT OF 0.50 IS LESS THAN IN THE BANNER ASSOCIATES INC. ORIGINAL DRAINAGE STUDY FOR CARDIFF GLEN FOR LOT 95.

SUMMARY RUNOFF
"LOT 95 BASIN"

AREA = 39,398 SF
AREA = 0.904 AC
58% IMPERVIOUS
C-DEVELOPED = 0.50
Q_{hist} = 0.77 CFS
Q_{dev} = 1.61 CFS
SHEET FLOW

Q_{hist} = 0.77 CFS
Q_{dev} = 1.61 CFS
MAX. SHEET FLOW FROM SITE

NOTE:

THE LOT 95 WEST BASIN, WITH THE EXCEPTION OF TWO SMALL SWALES EAST OF BUILDING #1, AND SHEET FLOW CONDITIONS AND FLOWS TOWARDS STOCKTON ROAD OR CRAWFORD WAY (SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FLOW DIRECTION ARROWS).

GENERAL NOTES DRAINAGE BASIN:

1. SINCE THE DEVELOPED RUNOFF COEFFICIENT OF 0.50 IS LESS THAN THE RUNOFF COEFFICIENT OF 0.60 THAT BANNER ASSOCIATES, INC. ASSUMED IN THEIR DRAINAGE REPORT FOR CARDIFF GLEN, NO ADDITIONAL DETENTION IS REQUIRED.
2. DRAINAGE FROM THE RESIDENTIAL PORTION OF LOT 95 IS TRIBUTARY TO THE ADJACENT ROADWAYS AND PARKING AREA AND IS SHEET FLOW IN NATURE RATHER THAN CONCENTRATED.
3. SEE GRADING AND DRAINAGE PLAN FOR LOT 95 FOR DRAINAGE DIRECTION FLOW ARROWS.



+ 5923.80
PK NAIL AN
PROJECT EL
BENCHMARK

SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

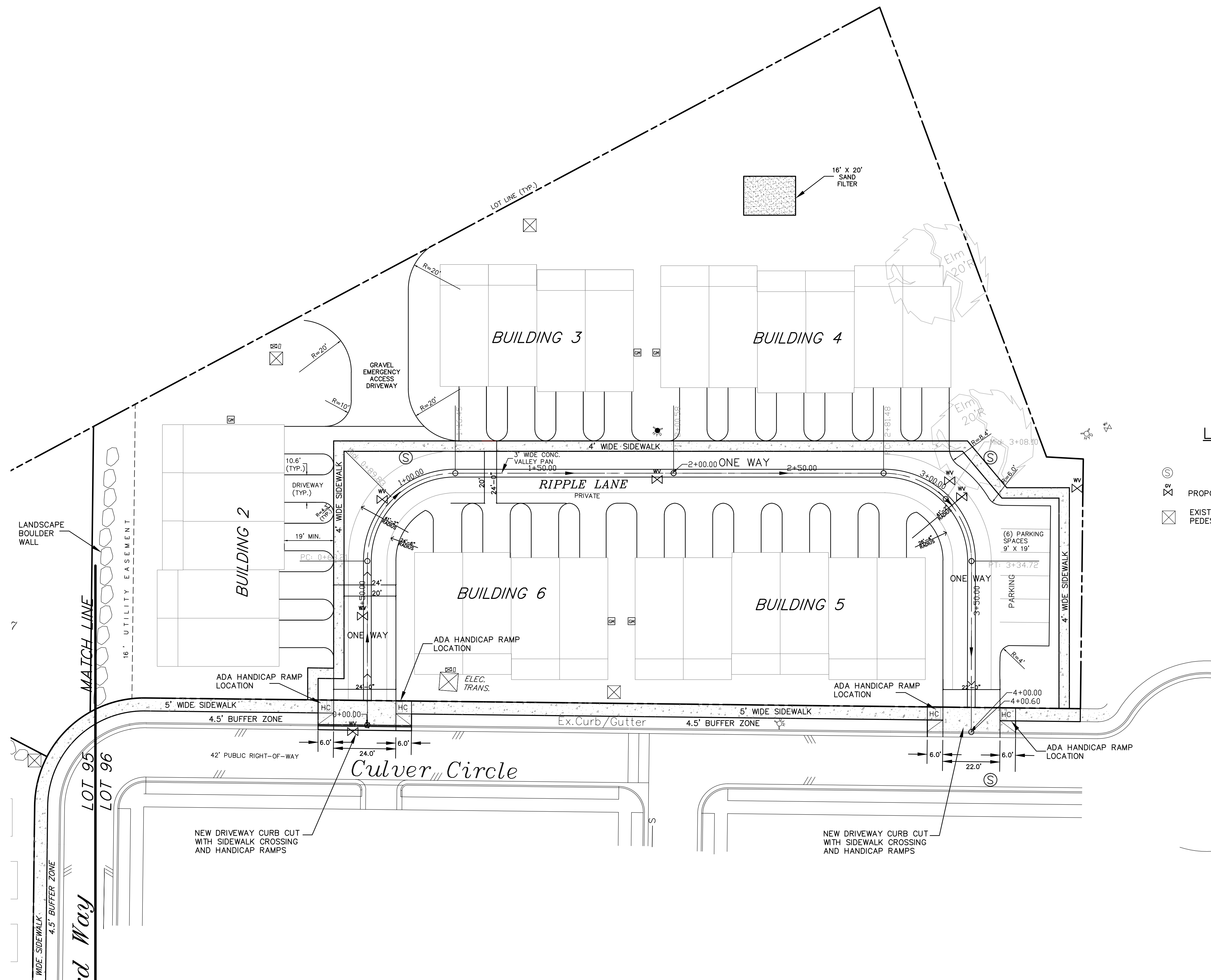
TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.		REVIEWED BY: _____ DATE: _____ FOR _____	<u>PINNACLE DESIGN CONSULTING GROUP, INC.</u> CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacleesign@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHK'D	SOLSTICE	GLENWOOD SPRINGS, COLORADO		SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.										CARDIFF GLEN SUBDIVISION – LOT 95 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN		SHEET NO: C8		



 S
 VALVE
 EXISTING/PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE
 PEDESTAL LOCATION

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

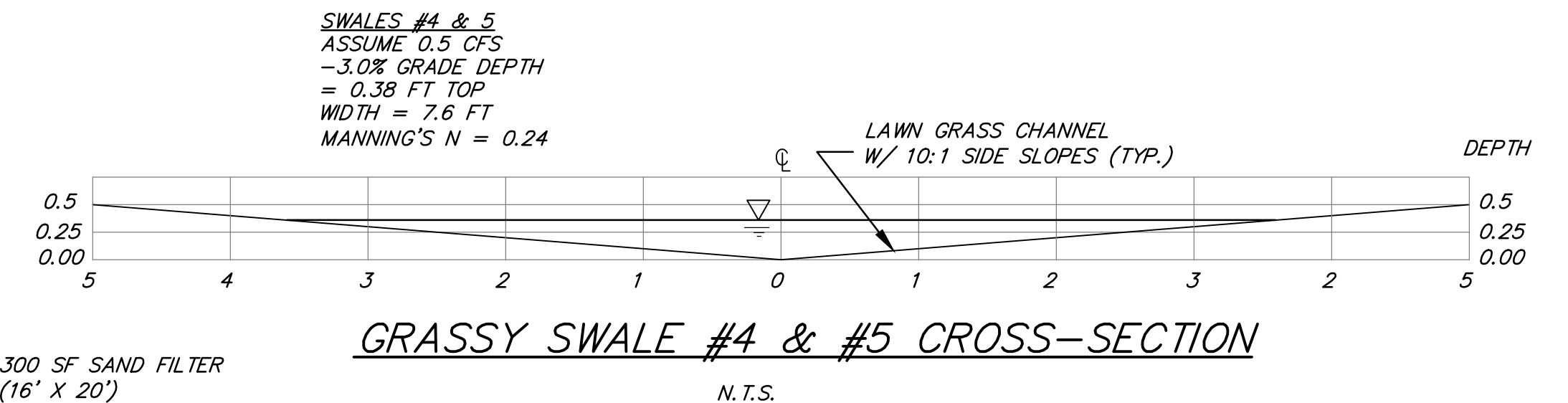
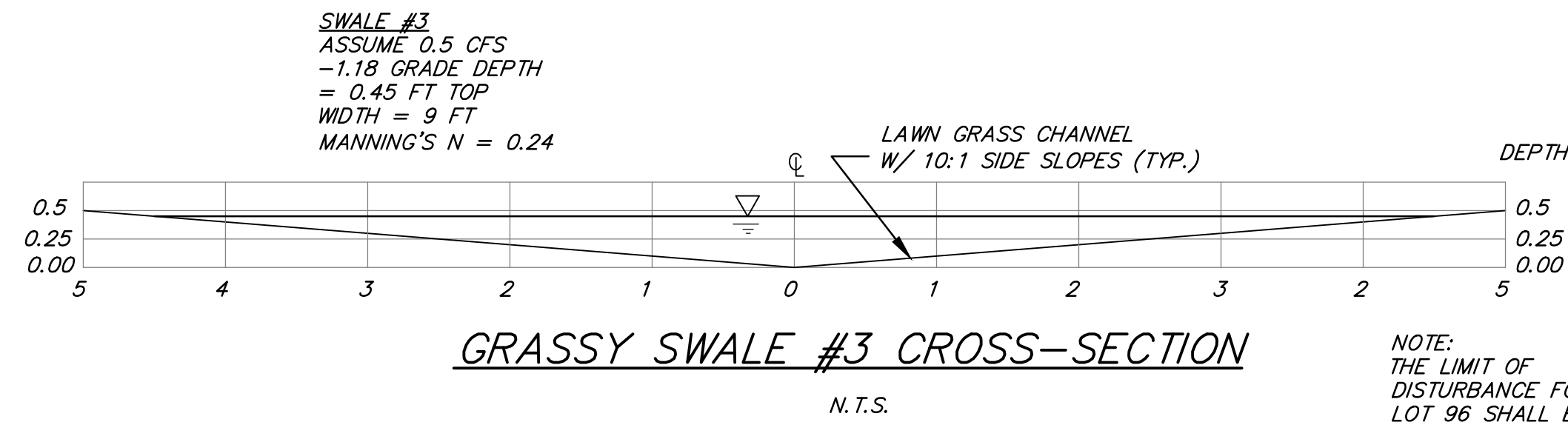
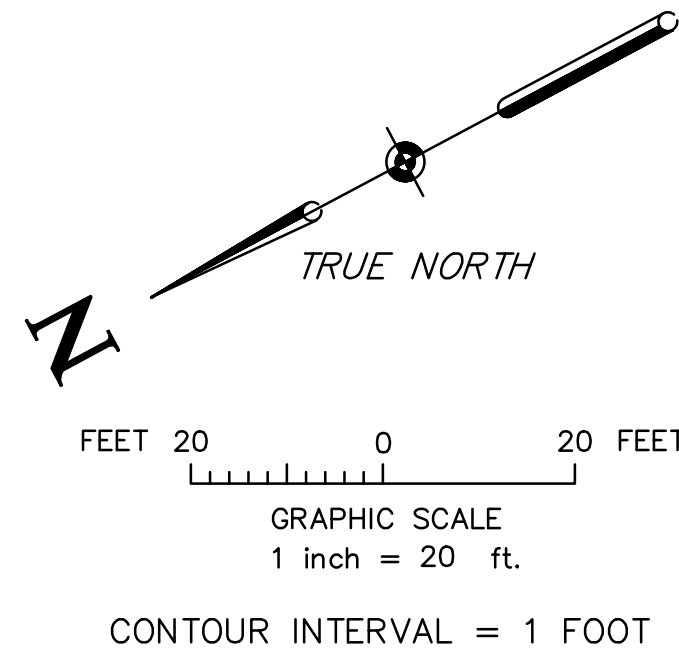
SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO:		

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pinnacleesign@sopris.net

REVISION	DATE	DESCRIPTION	BY	CHK'D

SOLSTICE *GLENWOOD SPRINGS, COLORADO*

CARDIFF GLEN SUBDIVISION – LOT 96
SOLSTICE TOWNHOMES
SITE PLAN



LEGEND

== DRAINAGE DIRECTION ARROW

NOTE:

- ACCESS AND DRIVEWAYS SHALL CONSIST OF 3" OF ASPHALT OVERLYING 8" OF CLASS 6 BASE COURSE.
- DRAINAGE FLOW CONDITIONS ON LOT 96 ARE GENERALLY SHEET FLOW EXCEPT FOR V-SHAPED SWALES LOCATED ON THE NORTH SIDE OF BUILDING #2 AND WITHIN RIPPLE LANE.
- EXISTING CONSTRUCTION FILL AS DESCRIBED IN THE SOILS REPORT PREPARED BY HP GEOTECH DATED MAY 14, 2007 SHOULD BE REMOVED FROM THE LOT PRIOR TO NEW INFRASTRUCTURE EXCAVATION.
- SEE GRASSY SWALE CROSS-SECTION ON THIS SHEET.
- THE SITE BENCHMARK IS A FOUND PK NAIL AND WASHER LOCATED AT THE INTERSECTION OF CRAWFORD WAY AND STOCKTON ROAD HAVING AN ELEVATION OF 5923.80'.
- SEE INTERSECTION, SIDEWALK, AND RAMP DETAILS ON SHEETS C17 AND C18.



PARCEL NO. 2185-272-09-00
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

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CARBONDALE, CO 81623 • (970) 963-2170
pinnacle设计@sopris.net

REVISION	DATE	DESCRIPTION	BY	CH'D

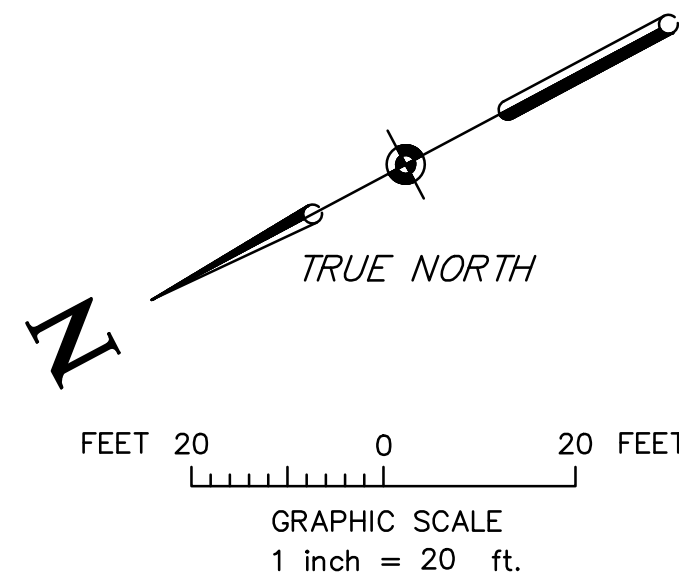
CARDIFF GLEN SUBDIVISION - LOT 96
SOLSTICE TOWNHOMES
GRADING AND DRAINAGE PLAN

DATE OF PREPARATION: 10-22-18

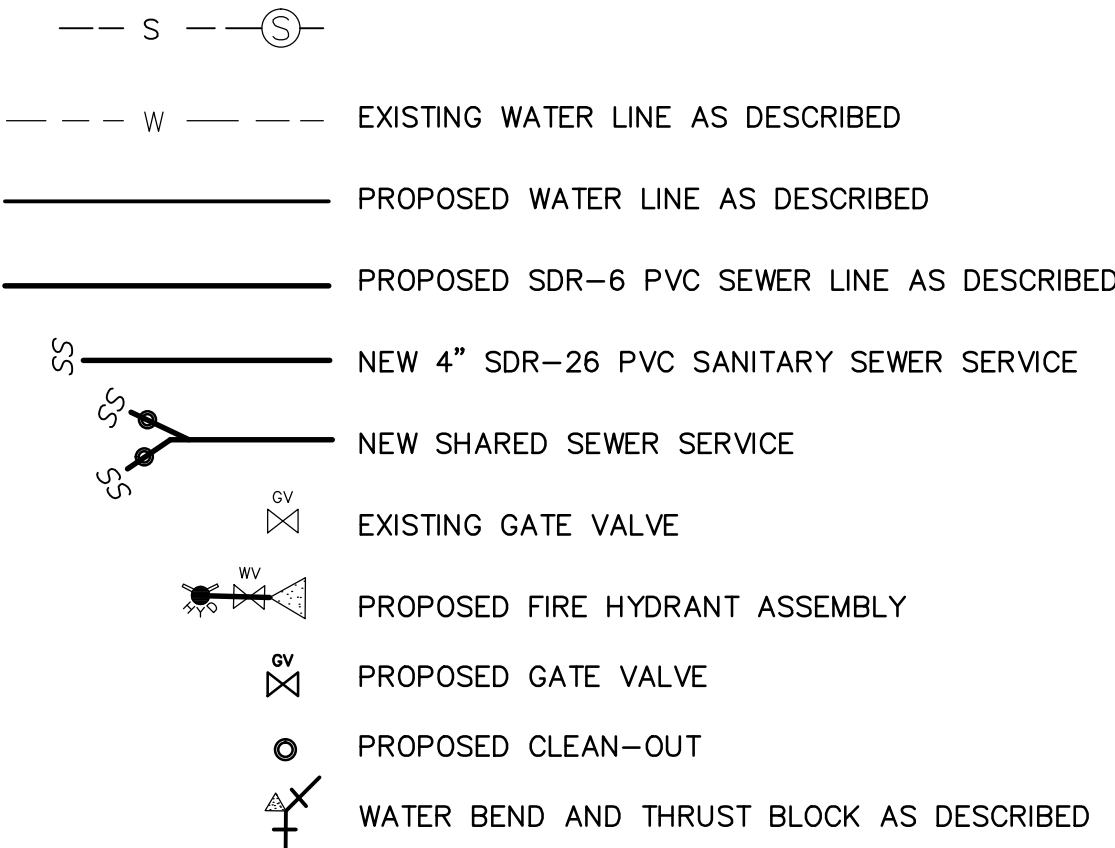
OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO: C10		



LEGEND



GENERAL NOTES WATER:

1. SEE SHEET C2 FOR GENERAL WATER AND SEWER NOTES AS THEY RELATE TO CONSTRUCTION OF THIS PROJECT.
2. A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 96.
3. SEE SANITARY SEWER AND WATER DETAILS ON SHEET C19, C20, AND C21.



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

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REVISION	DATE	DESCRIPTION	BY	CH'D

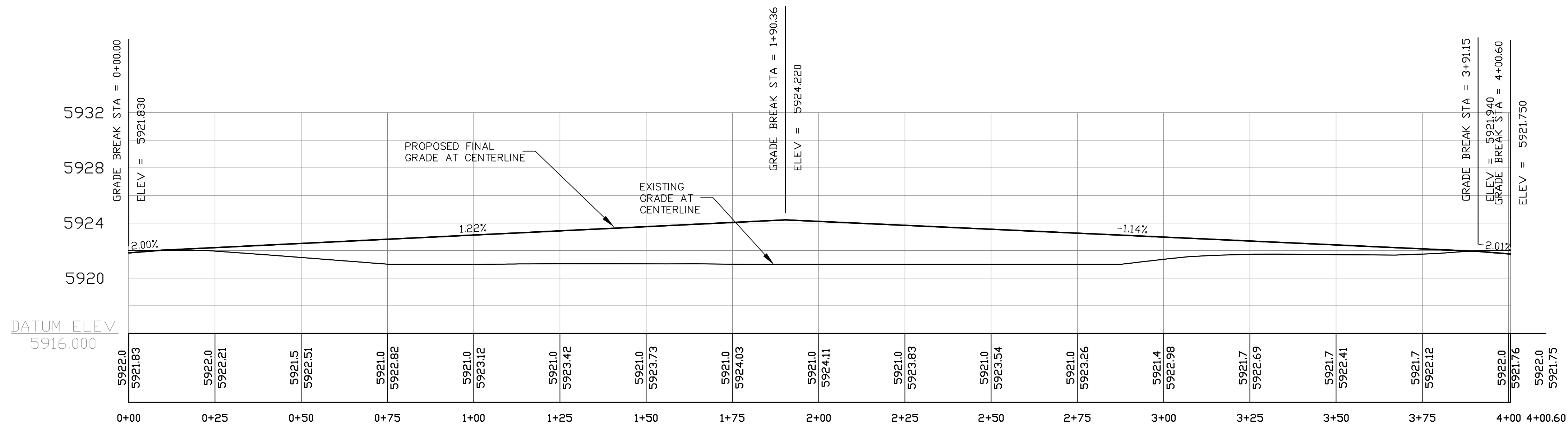
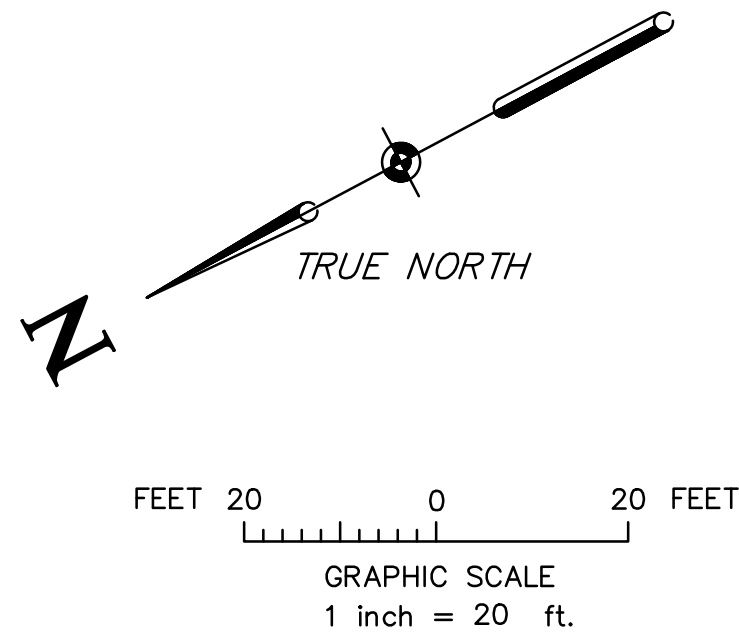
SOLSTICE	GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES SANITARY SEWER & WATER PLAN	

DATE OF PREPARATION: 10-22-18

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
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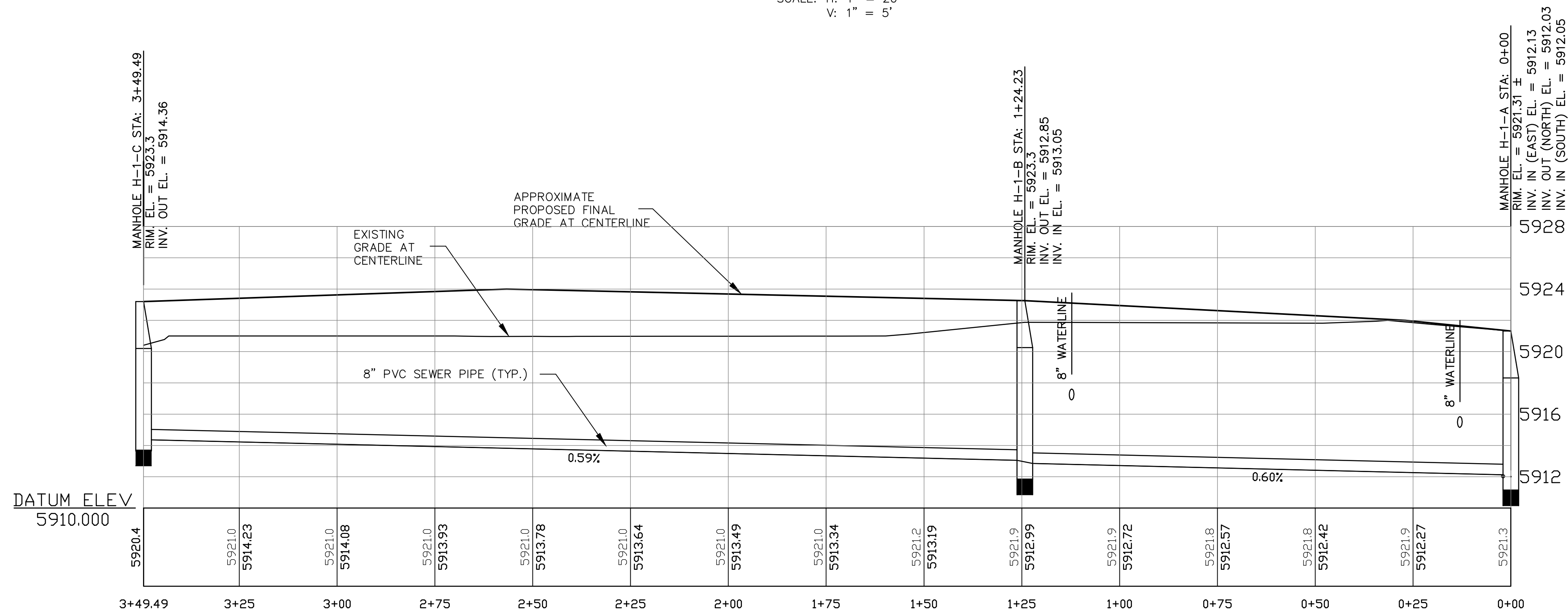
SHEET NO:

C11



RIPPLE LANE CENTERLINE PROFILE

SCALE: H: 1" = 20'
V: 1" = 5'



LOT 96 SANITARY SEWERLINE PROFILE

SCALE: H: 1" = 20'
V: 1" = 5'



SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621
MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

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pinnacle@csprls.net

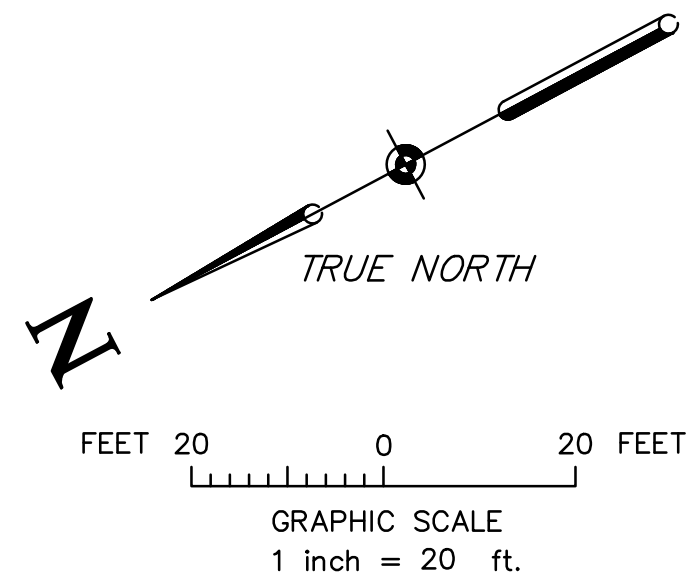
REVISION	DATE	DESCRIPTION	BY	CHK'D

SOLSTICE

GLENWOOD SPRINGS

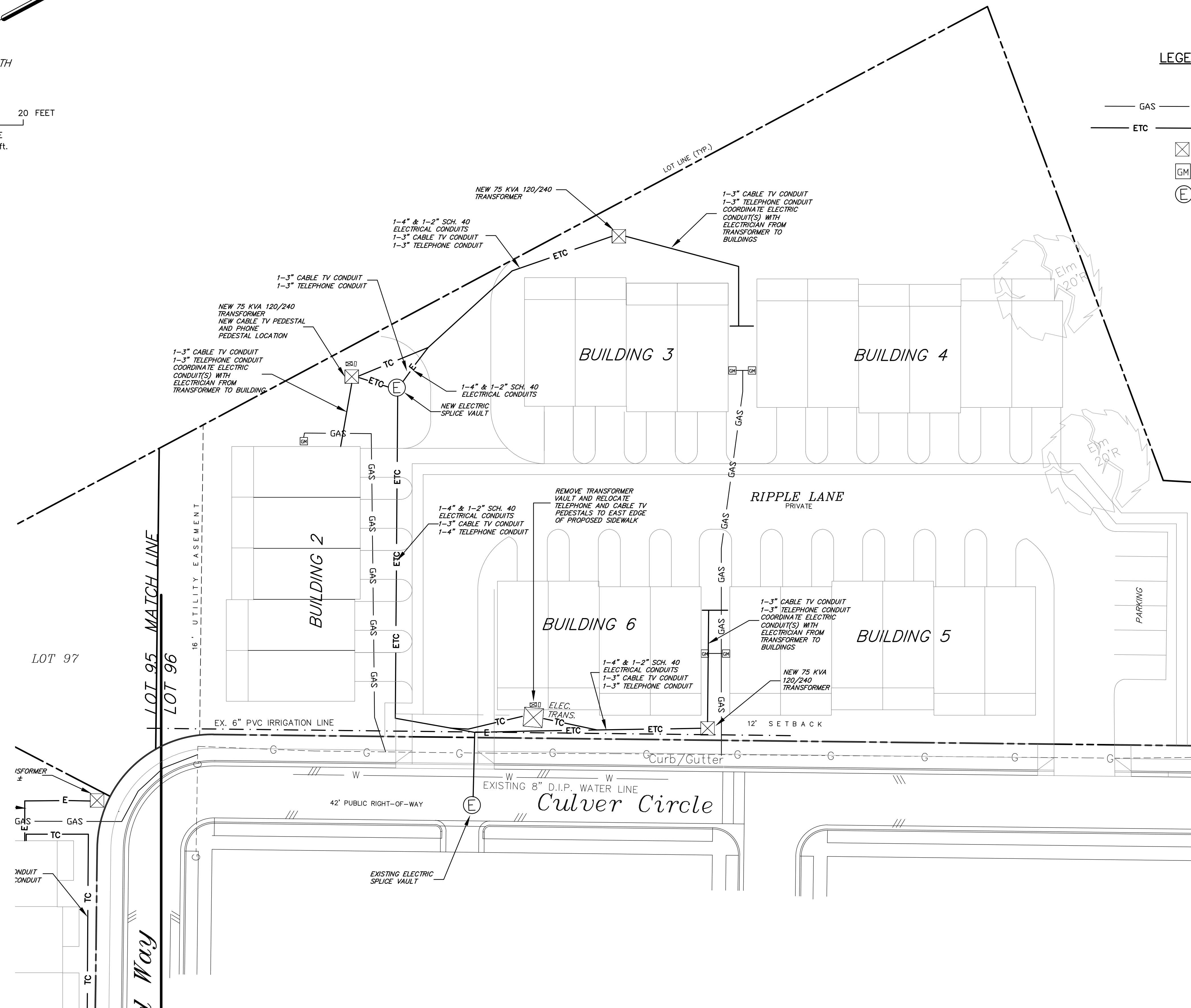
CARDIFF GLEN SUBDIVISION – LOT 96
SOLSTICE TOWNHOMES
RIPPLE LANE AND SEWER MAIN PROFILES

SCALE: Horz: 1" = 20' Vert: 1" = 5'	Project No: 2018.15
DATE: 10-22-18	SHEET NO: C12



LEGEND

- GAS — PROPOSED NATURAL GAS
- ETC — PROPOSED ELECTRIC, TELEPHONE, AND CABLE TV LINE
- ⊠ PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE PEDESTAL LOCATION
- GM PROPOSED GAS METER LOCATION
- ⓔ ELECTRIC VAULT AS DESCRIBED



GENERAL NOTES SHALLOW UTILITIES:

1. A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 95.
2. FINAL GAS LINE SIZING SHALL BE BASED ON BTU LOADING CALCULATIONS FOR THE BUILDINGS.
3. GAS LINE SHALL HAVE A MINIMUM COVER OF 30" AND BE BEDDED IN SAND.
4. SEE ELECTRIC DETAILS ON SHEET C22.



OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

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CARBONDALE, CO 81623 • (970) 963-2170
pinnacle设计@spris.net

REVISION	DATE	DESCRIPTION	BY	CH'D

SOLSTICE	GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES SHALLOW UTILITIES PLAN	

DATE OF PREPARATION: 10-22-18

SCALE: 1" = 20'
SHEET NO: C13

JOB NO: 2018.15
DATE: 10-22-18



THE LOT 96 EAST BASIN SHEET FLOWS TOWARDS THE EAST EXCEPT WHERE THE DETENTION BASIN HAS BEEN PROPOSED (SEE GRADING AND DRAINAGE PLAN FOR LOT 96). DUE TO THE 100% DETENTION DESIGN, THE PEAK RUNOFF VALUE OF 0.32 CFS FROM THE LOT 96 EAST BASIN IS LESS THAN THE HISTORIC RATE 0.77 CFS MAX. SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FOR FLOW DIRECTION ARROWS.

SUMMARY RUNOFF
"LOT 96 EAST BASIN"

AREA = 27,181 SF
AREA = 0.624 AC
35% IMPERVIOUS
C-DEVELOPED = 0.4
Qhist = 0.53 CFS
Qdev = 0.41 CFS
Qoffsite = 0.32 CFS

GENERAL NOTES DRAINAGE BASIN:

1. SINCE THE DEVELOPED RUNOFF COEFFICIENT OF 0.58 IS LESS THAN THE RUNOFF COEFFICIENT OF 0.60 THAT BANNER ASSOCIATES, INC. ASSUMED IN THEIR DRAINAGE REPORT FOR CARDIFF GLEN, NO ADDITIONAL DETENTION IS REQUIRED FOR THE "LOT 96 WEST BASIN". 100% DETENTION WILL BE PROVIDED FOR THE "LOT 96 EAST BASIN".

2. DRAINAGE FROM THE RESIDENTIAL PORTION OF LOT 96 IS TRIBUTARY TO THE ADJACENT ROADWAYS AND PARKING AREA AND IS SHEET FLOW IN NATURE. THE FLOW WILL CONCENTRATE IN THE VALLEY PAN THAT EXISTS IN CULVER CIRCLE WHERE IT WILL BE CONVEYED TO THE CENTRALIZED DETENTION SYSTEM VIA THE STREETS AND EXISTING CURB AND GUTTER.

3. SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FOR DRAINAGE DIRECTION
FLOW ARROWS.

$Q_{hist} = 0.53 \text{ CFS}$
 $Q_{offsite} = 0.32 \text{ CFS}$
 SHEETFLOW

GRAVEL
EMERGENCY
ACCESS DRIVE
(PERVIOUS)

IMPERVIOUS
AREA (TYP.)

BUILDING 3

BUILDING 4

RIPPLE LANE

BUILDING 6

BUILDING 5

Culver Circle

$Q_{hist} = 0.84 \text{ CFS}$
 $Q_{dev} = 2.02 \text{ CFS}$

CONCENTRATED FLOW
 INTO EXISTING V-PAN

NOTE:

THE LOT 96 WEST BASIN, WITH THE EXCEPTION OF ONE SMALL SWALE NORTH OF BUILDING #2, AND RIPPLE LANE, STORM WATER IS UNDER SHEET FLOW CONDITIONS AND FLOWS TOWARDS CULVER CIRCLE. (SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FLOW DIRECTION ARROWS).

THE DEVELOPED RUNOFF COEFFICIENT OF 0.58 IS LESS THAN IN THE BANNER ASSOCIATES ORIGINAL DRAINAGE STUDY FOR LOT 96, CARDIFF GLEN WHICH ASSUMED A VALUE OF 0.60.

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

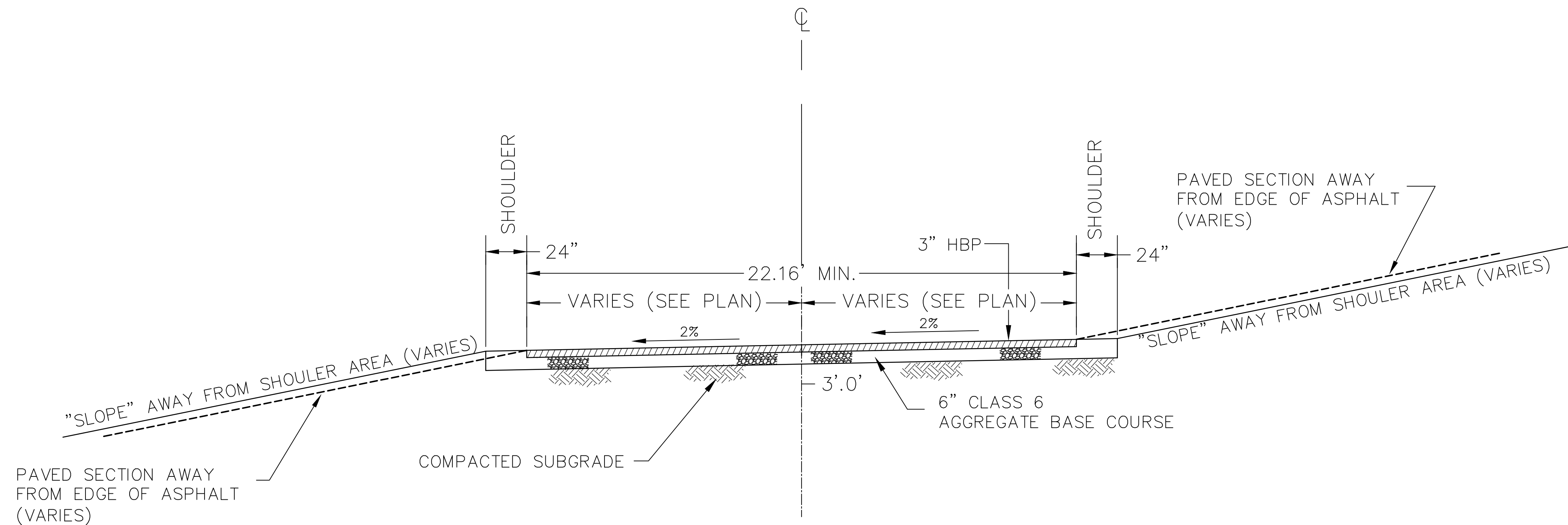
PINNACLE DESIGN CONSULTING GROUP, INC.

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CARBONDALE, CO 81623 • (970) 963-2170
pinnacleddesign@sopris.net

REVISION	DATE	DESCRIPTION	BY	CHK'D

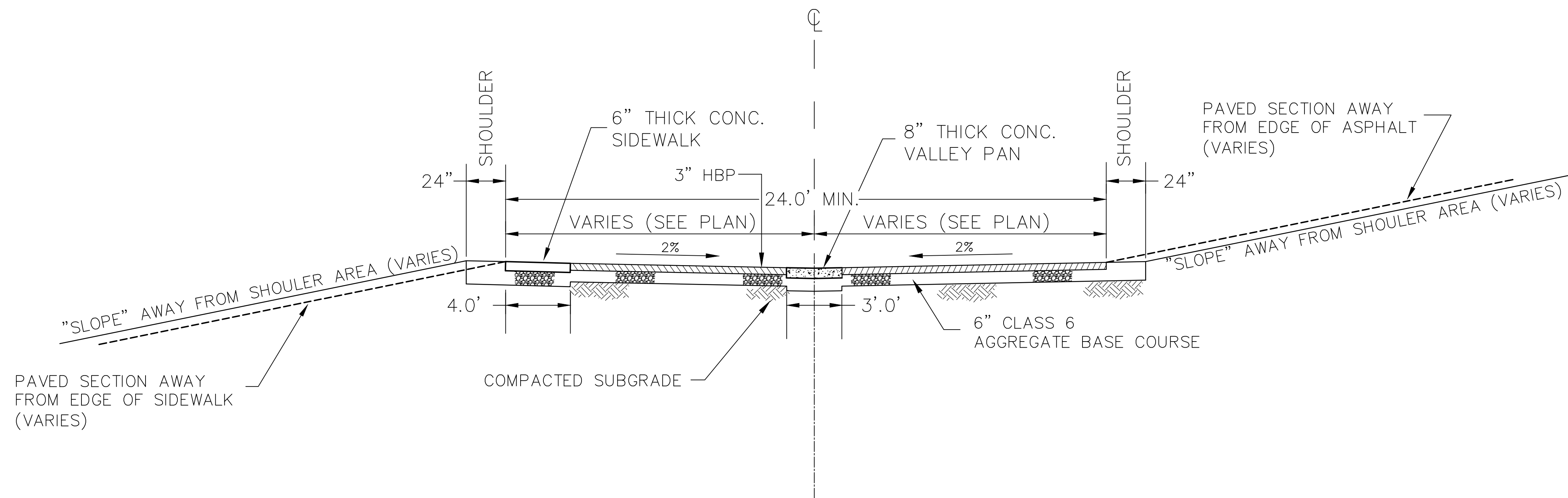
SOLSTICE	GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION – LOT 96 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN	

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-1
SHEET NO:		



TYPICAL DRAKE PLACE SECTION A-A

N.T.S.



TYPICAL RIPPLE LANE SECTION B-B

N.T.S.



SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____	PINNACLE DESIGN CONSULTING GROUP, INC. CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacle.design@sopris.net	REVISION	DATE	DESCRIPTION	BY	CH'D	SOLSTICE GLENWOOD SPRINGS, COLORADO CARDIFF GLEN SUBDIVISION - LOT 95 & LOT 96 SOLSTICE TOWNHOMES TYPICAL ROAD SECTIONS	SCALE: N.T.S. SHEET NO: C16	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.	DATE: _____ FOR _____										



CONSTRUCTION OF CONCRETE GUTTERS AT INTERSECTION

GENERAL NOTES

ON CURVES 3' OR LESS, CURBS AND/OR GUTTERS ARE TO BE PLACED ON THE ARC OF THE CURVE UNLESS OTHERWISE NOTED ON THE PLANS. A MAXIMUM CHORD LENGTH OF 10 FEET MAY BE USED WHEN THE CURVE IS LESS THEN 3'.

- ▲ — EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.

CONCRETE SHALL BE CLASS B UNLESS OTHERWISE SPECIFIED.

- ① — GUTTER CROSS SLOPES SHALL BE 0.04 FT/FT WHEN DRAINING AWAY FROM CURB AND 0.08 FT/FT WHEN DRAINING TOWARD CURB.

PROFILE GRADE OF CURBS AND GUTTERS SHALL BE LOCATED AT THE FLOW LINE.



N.T.S.



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

PINNACLE DESIGN CONSULTING GROUP, INC.

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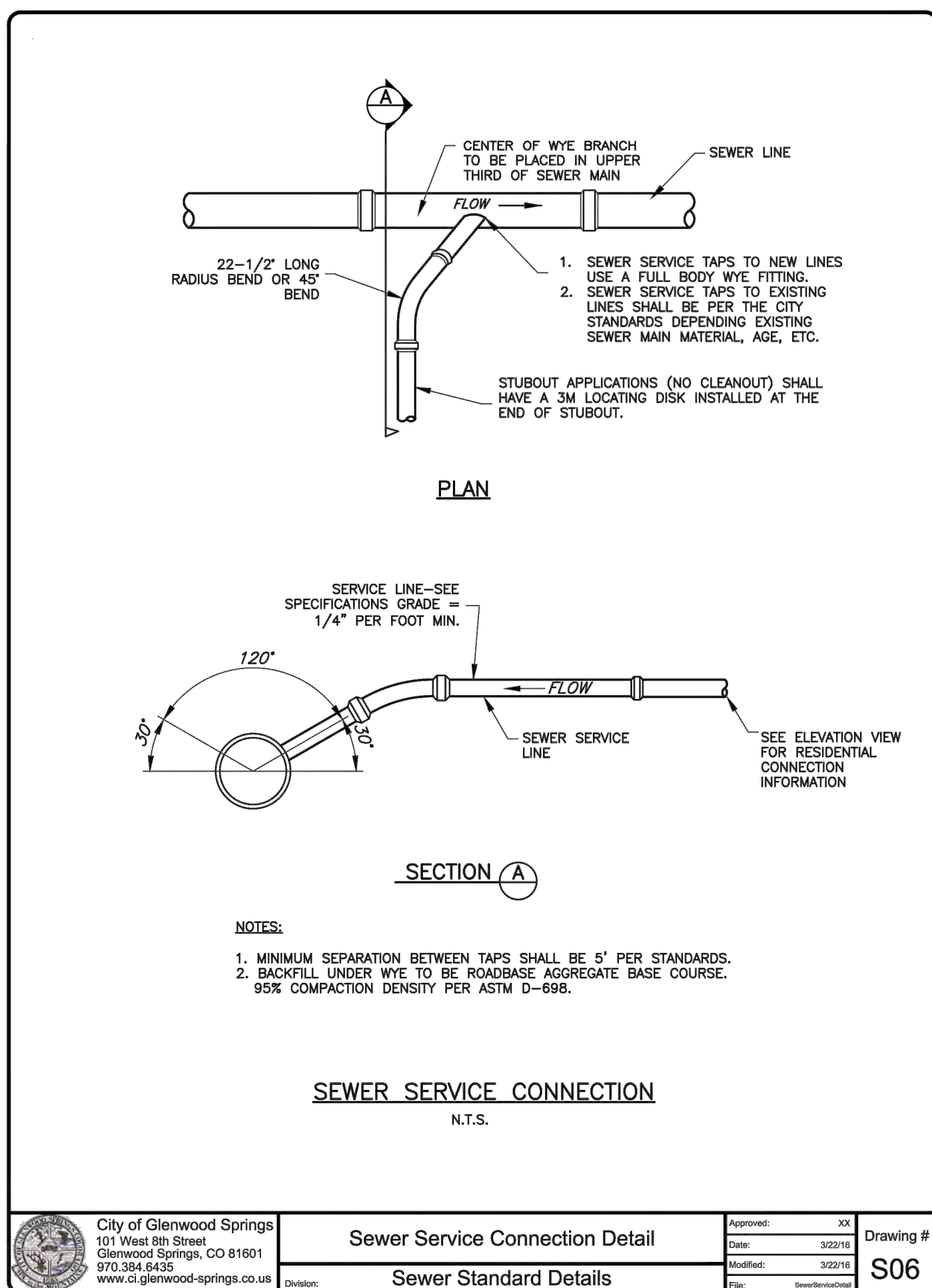
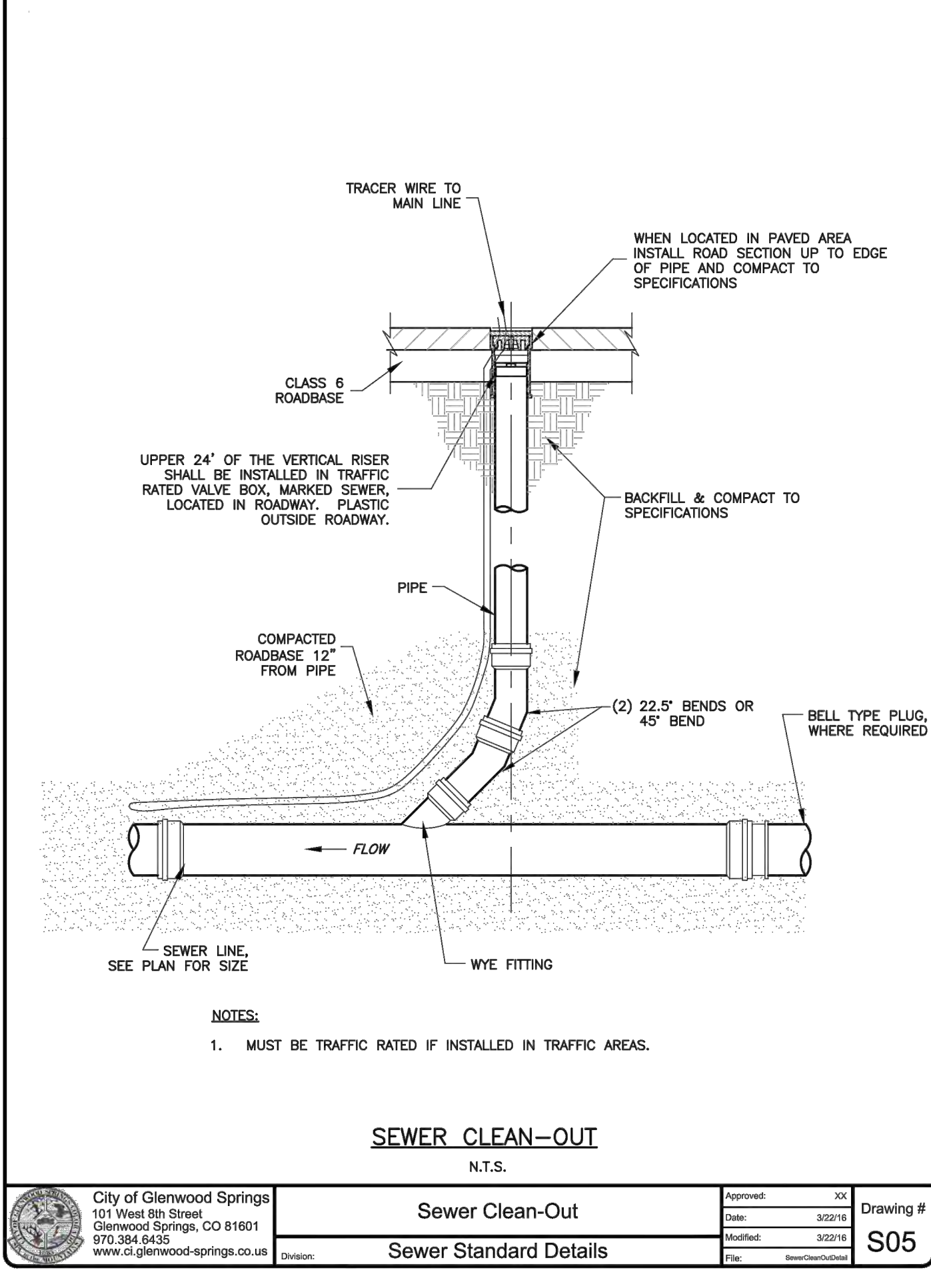
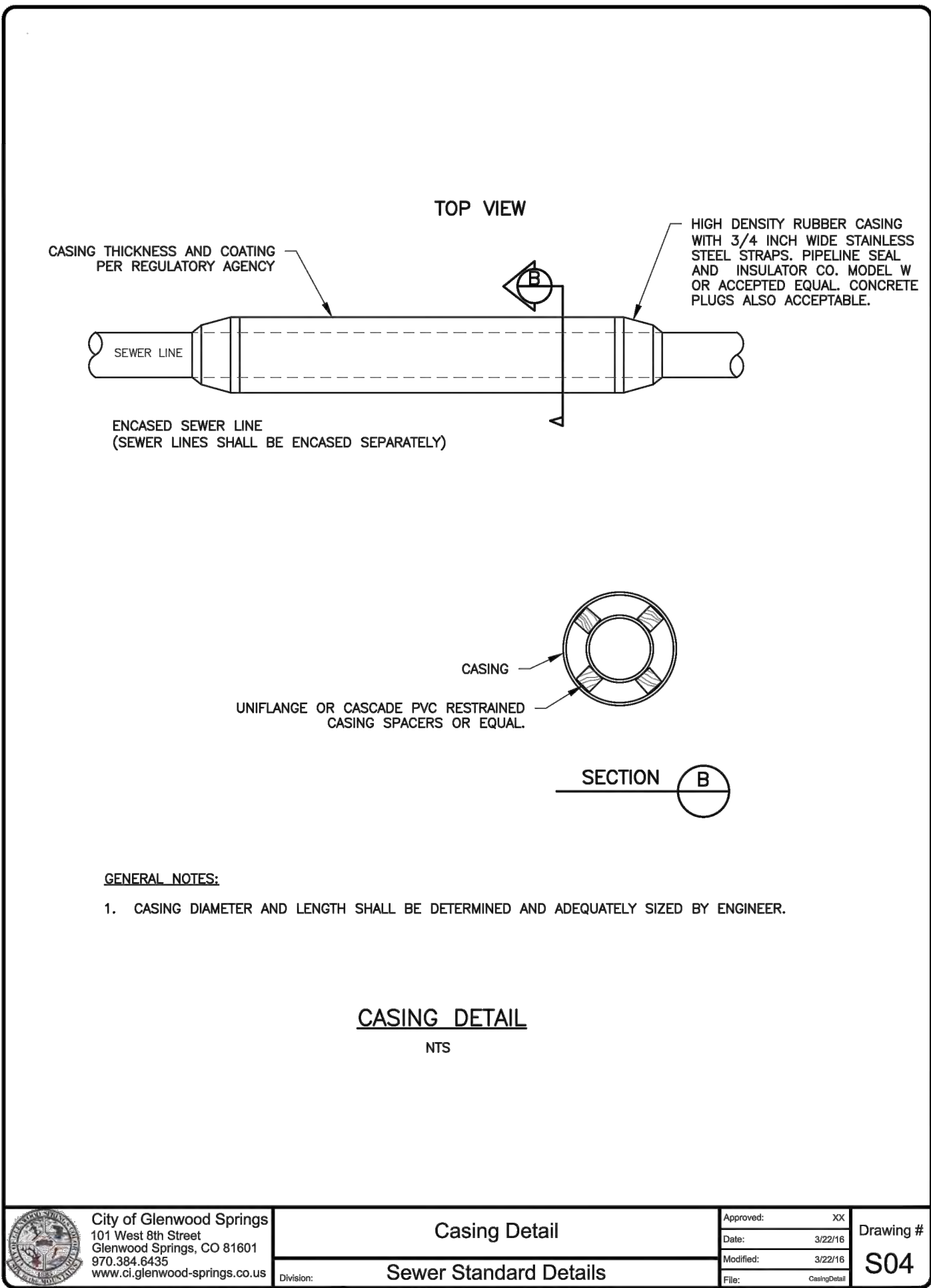
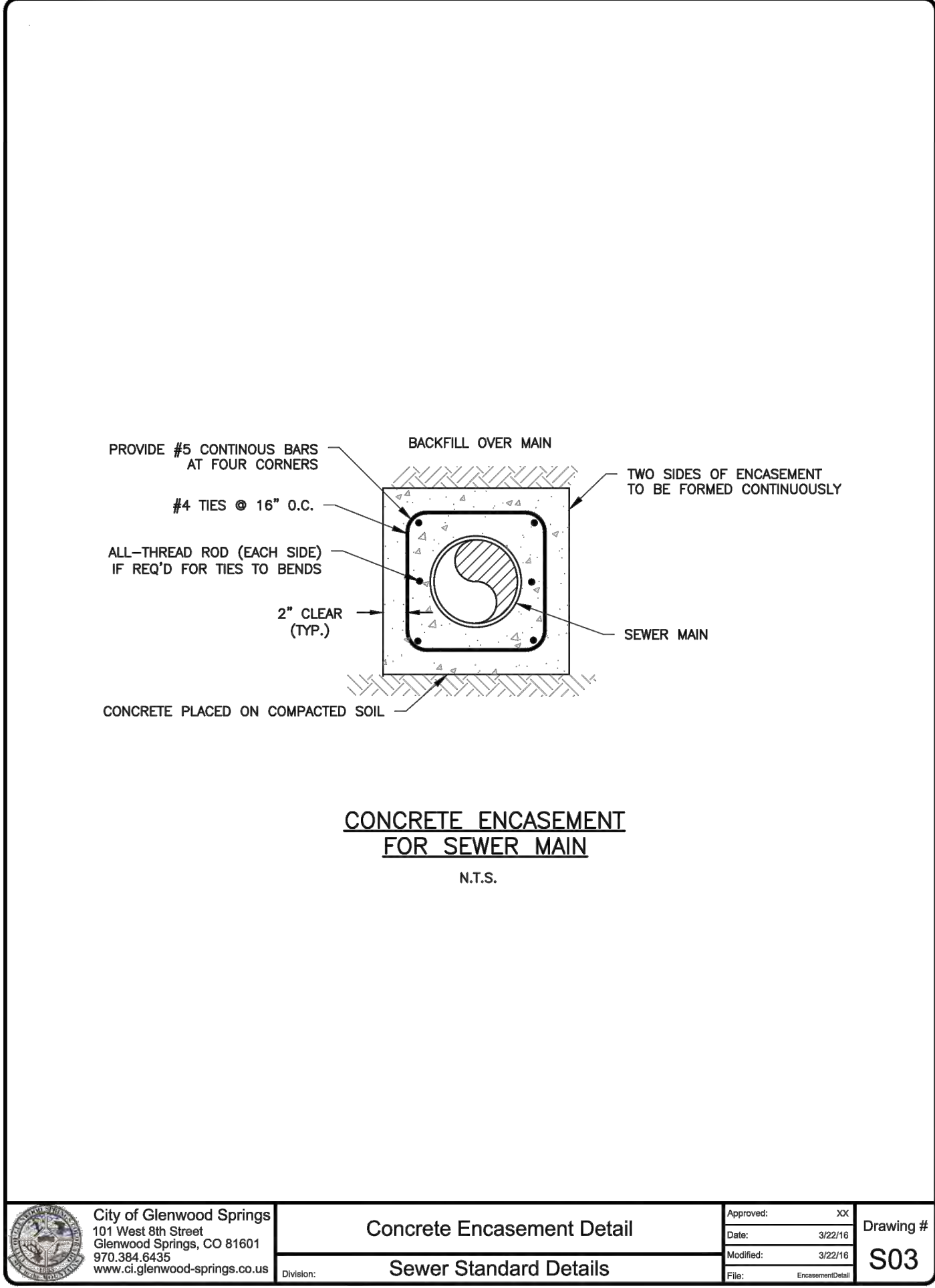
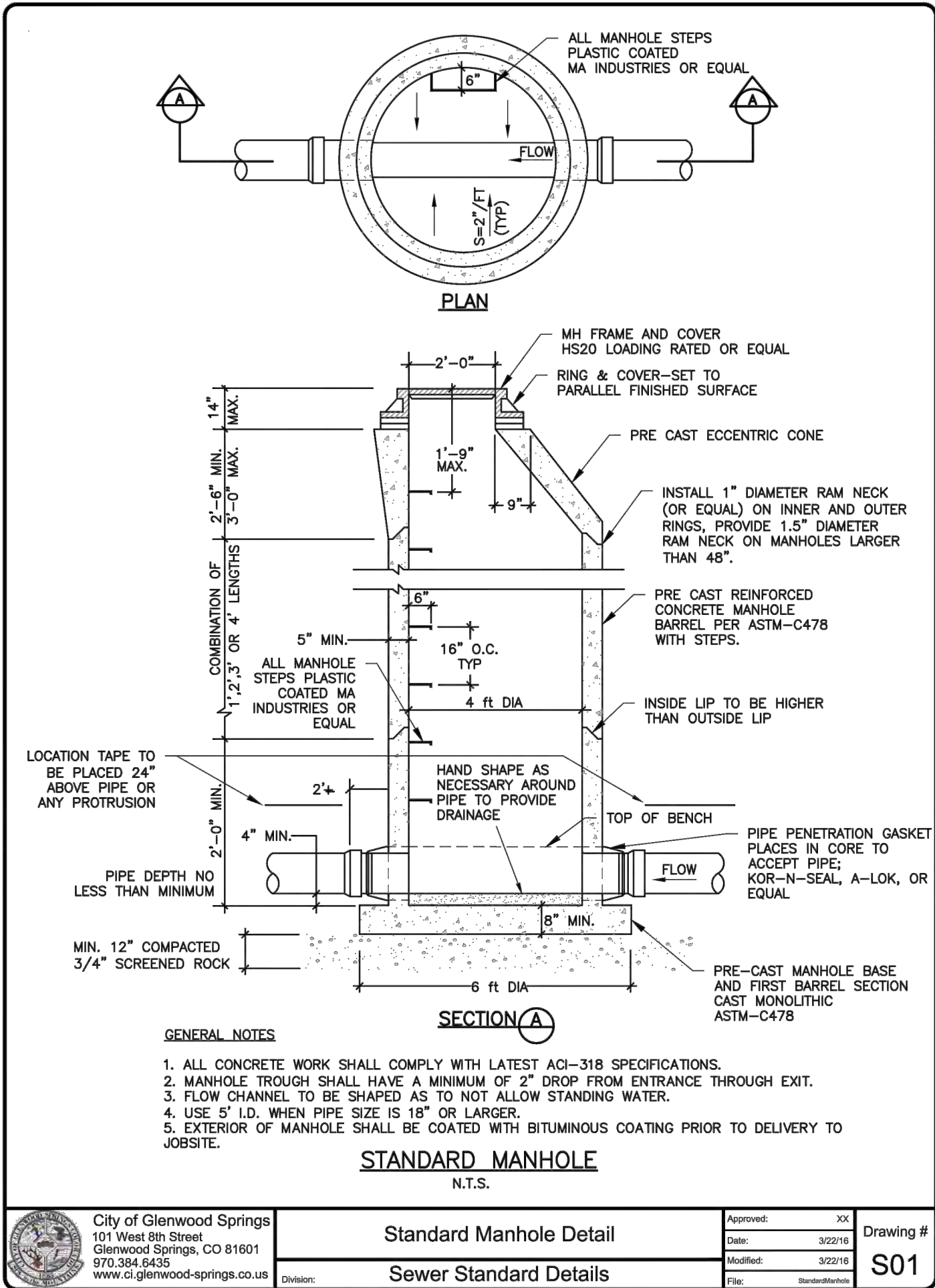
Packet Page 345

- . ALL CONCRETE SHALL BE CLASS AX, 4500 PSI, 3/4" AGGREGATE WITH FIBERMESH.
- . ANY EXISTING PAVEMENT NOT DESIGNATED FOR REMOVAL WHICH IS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN-KIND BY CONTRACTOR.
- . ALL CONCRETE RAMPS SHALL BE UNDERLAID WITH A MINIMUM OF FOUR INCHES (4") AGGREGATE BASE COURSE (CLASS 6) COMPACTED TO AT LEAST 90% OF AASHTO T-180 MAXIMUM DENSITY.
- . DRAWING INDICATES TYPICAL SECTION ONLY. CONDITIONS AND/OR OBSTRUCTIONS MAY NECESSITATE VARIATIONS OR REPOSITIONING. ALL LOCATIONS SHALL BE APPROVED ON AN INDIVIDUAL BASIS BY ENGINEER.
- . IN ALL CASES, ACCESSIBLE RAMPS SHALL BE ALIGNED WITH STREET CROSSWALKS.
- . AN APPROVED CURING/SEALING COMPOUND SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACE IMMEDIATELY AFTER FINISHING.
- . ALL CONCRETE SHALL BE PROTECTED FROM FREEZING FOR 5 DAYS AFTER BEING PLACED. NO CONCRETE SHALL BE PLACED ON FROZEN GROUND.
- . MINIMUM SPACING BETWEEN JOINTS IN CURB, GUTTER & SIDEWALK IS 5 FEET.
- . MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS 10' IN ANY DIRECTION.
- . WATER SHALL NOT BE ADDED TO CONCRETE SURFACES DURING FINISHING OPERATIONS.
- . THE MAXIMUM SLOPE ALLOWED ON ANY CURB RAMP OR SIDEWALK SHALL BE 1"/FT. (8.33%).
- . THE SURFACE OF ALL ACCESSIBLE RAMPS AND FLARED SIDES SHALL BE FINISHED WITH A COURSE BROOMED TEXTURE PERPENDICULAR TO THE SLOPE OF THE RAMP.
- . ALL HANDICAP RAMPS, PARKING STALLS, LANDINGS, ETC., SHALL CONFORM TO THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) LATEST EDITION.



MANAGER: ABDI PIRZADEH
(970) 618-3555

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CHECKED BY: H.E.B.		DATE: _____ FOR _____								CARDIFF GLEN SUBDIVISION - LOTS 95 AND 96 SIDEWALK RAMP DETAILS		SHEET NO: C18		



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.

REVIEWED BY: _____

CHECKED BY: H.E.B.

DATE: _____ FOR _____

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REVISION	DATE	DESCRIPTION	BY	CH'D

GLENWOOD SPRINGS, COLORADO

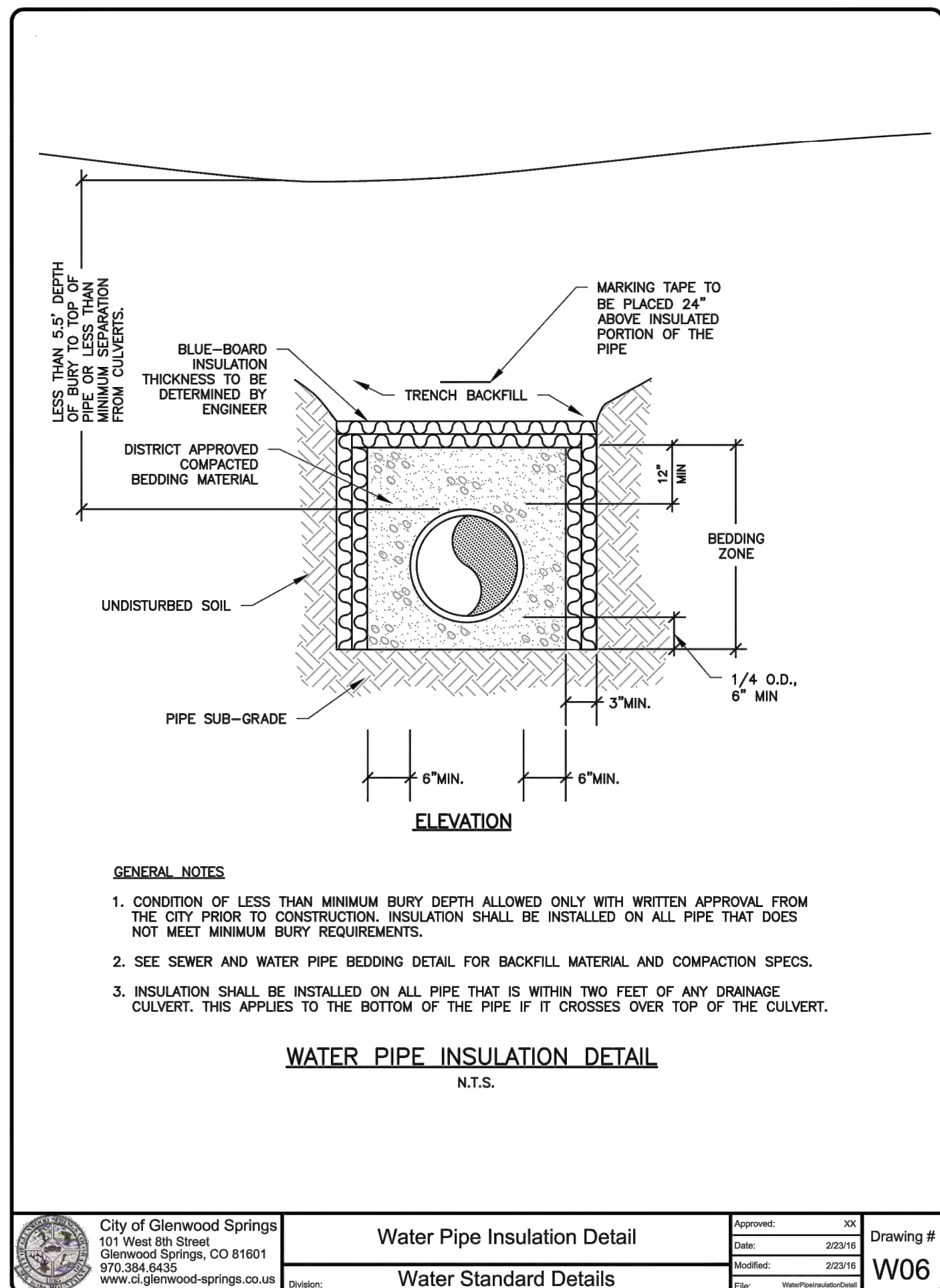
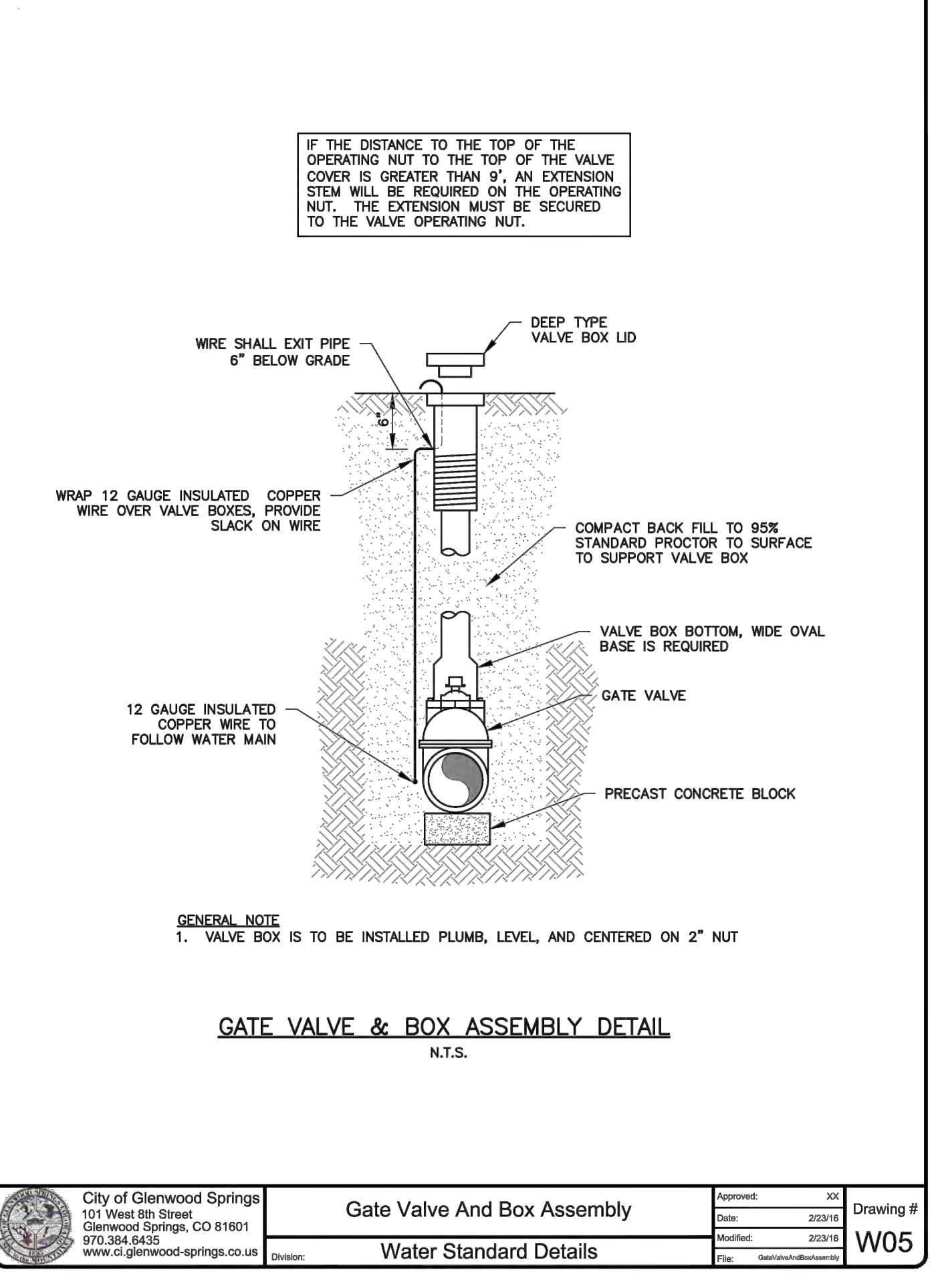
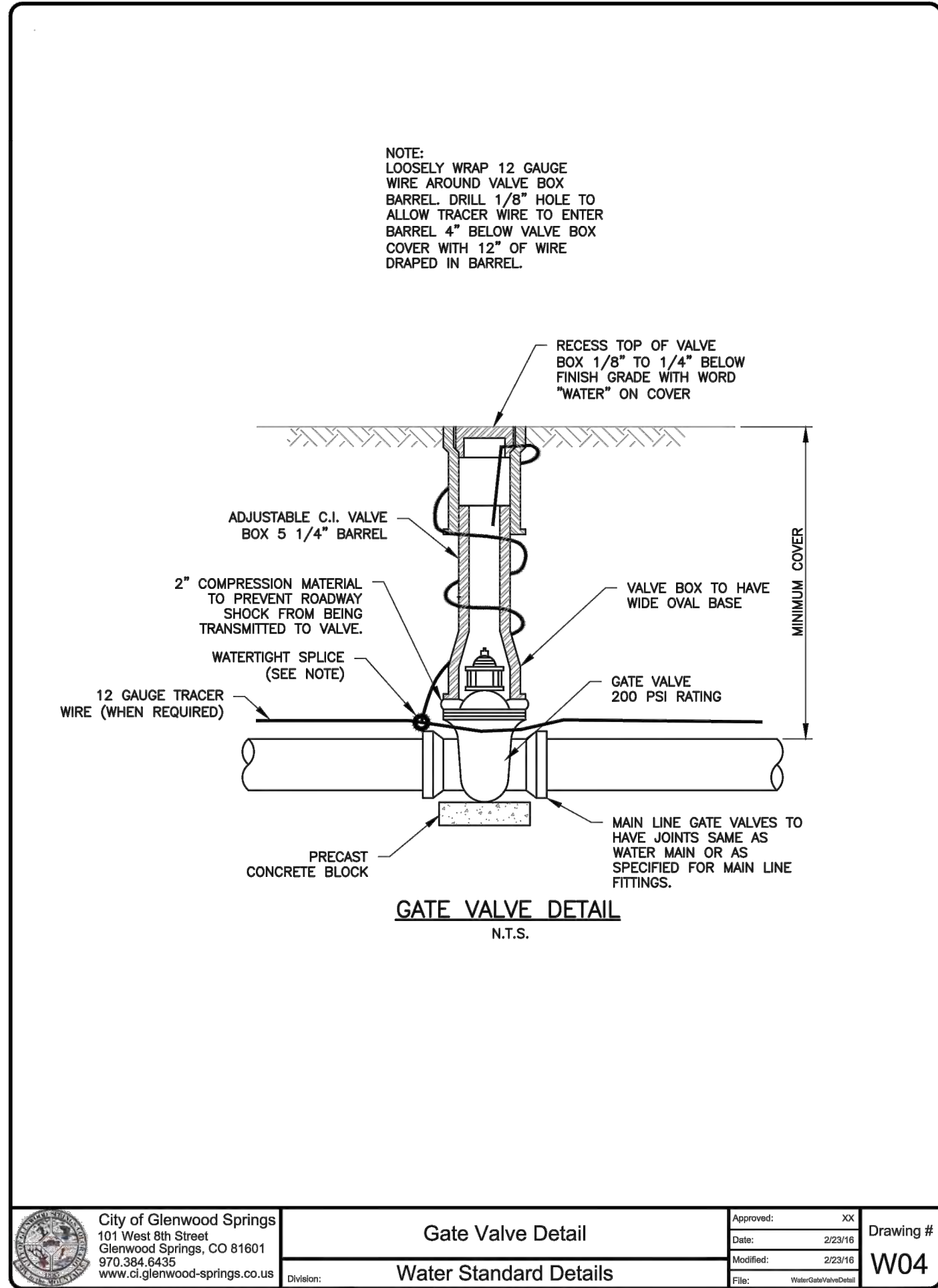
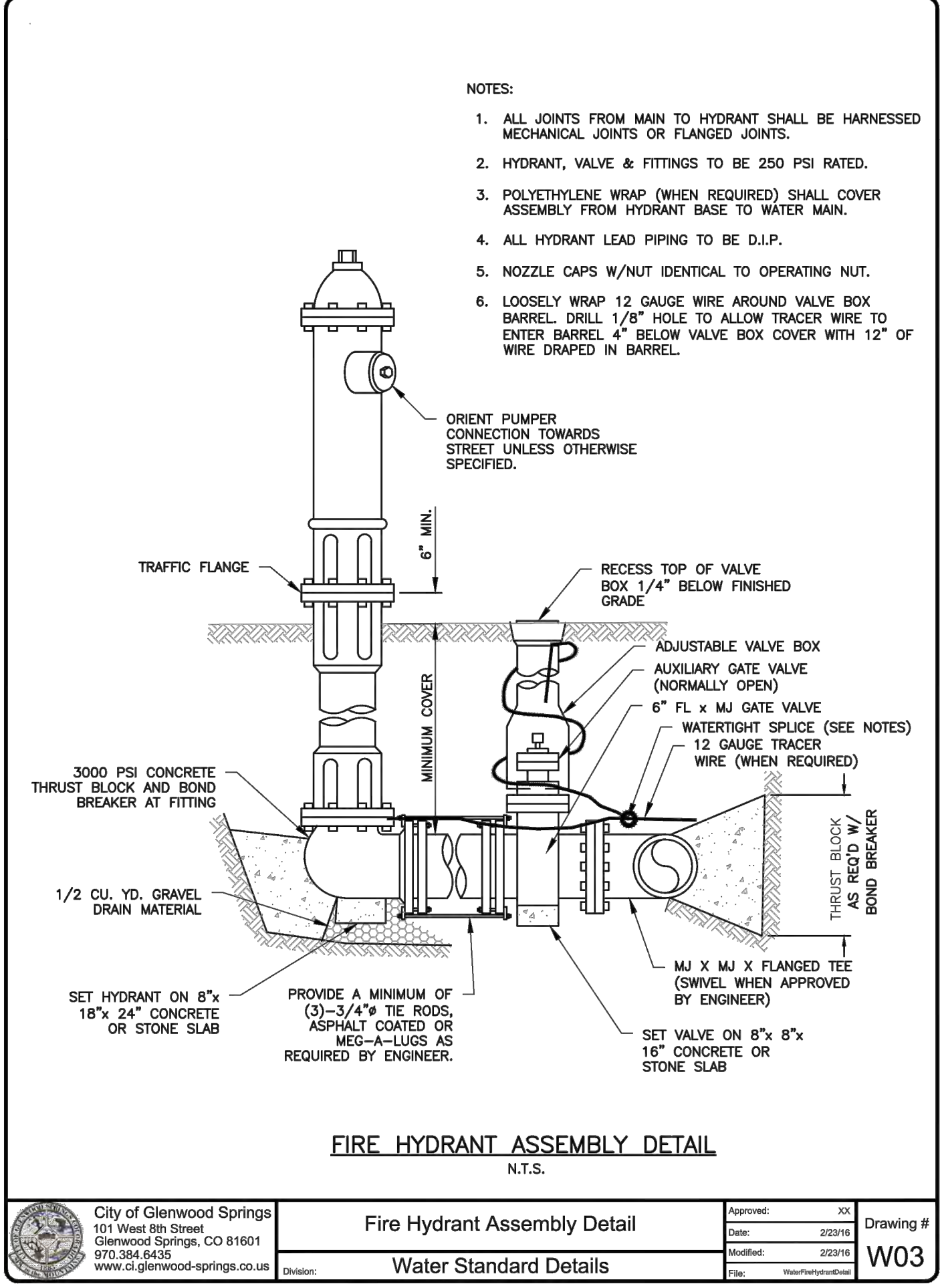
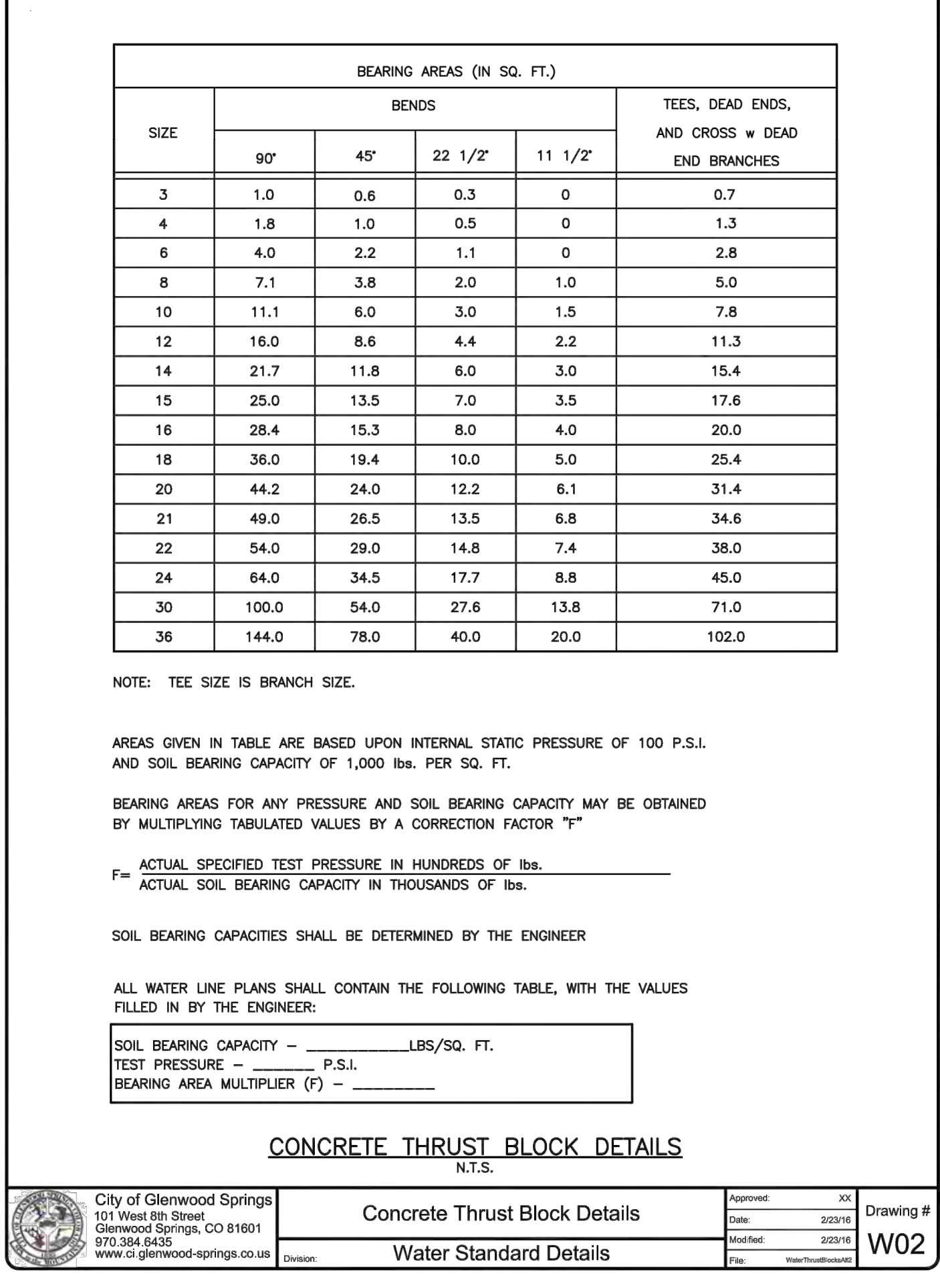
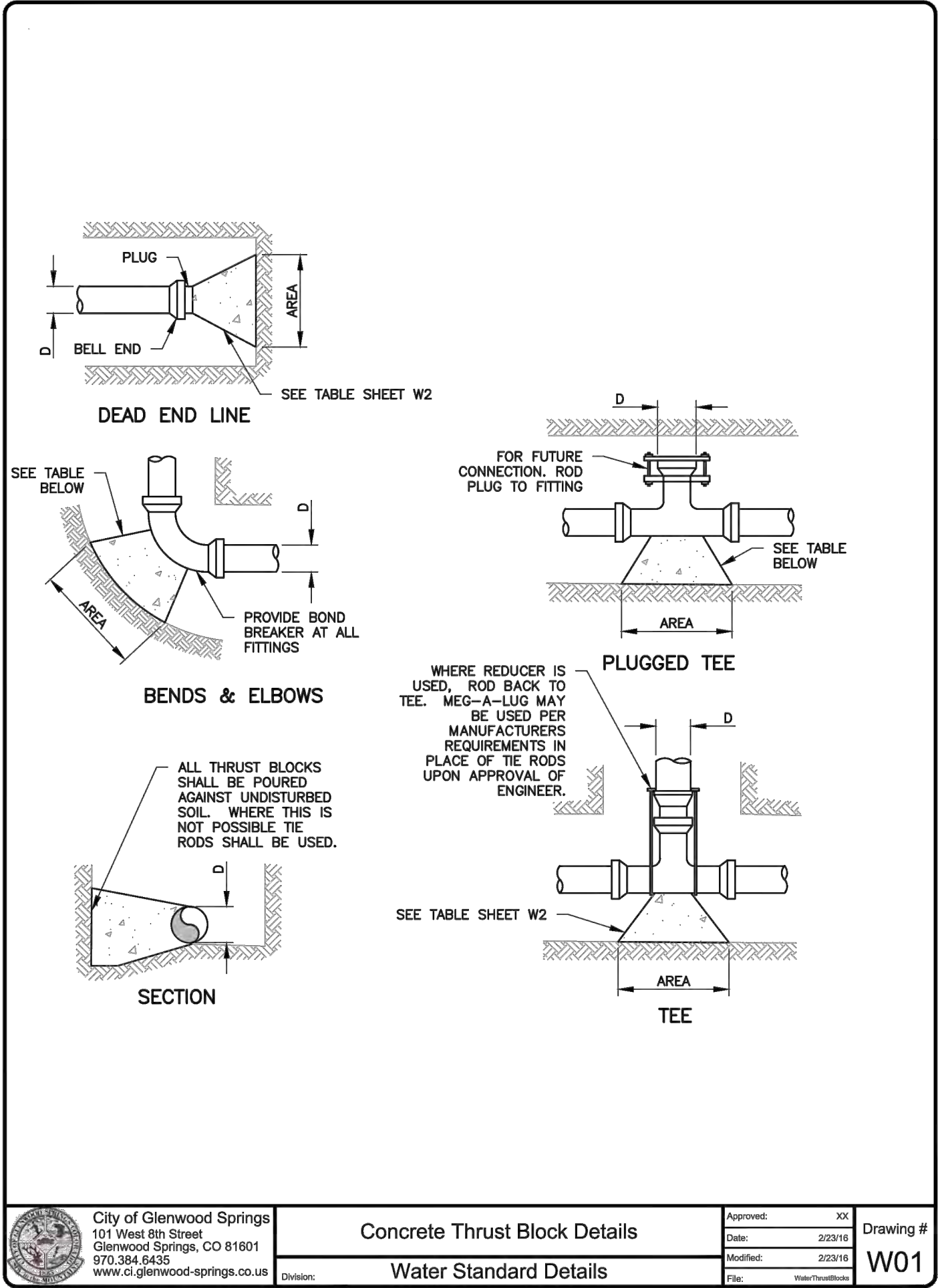
CARDIFF GLEN - LOT 95 & LOT 96
SOLSTICE TOWNHOMES
SANITARY SEWER DETAILS

SCALE: N.T.S.

JOB NO: 2018.15

DATE: 10-22-18

SHEET NO: C19



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.

REVIEWED BY: _____

CHECKED BY: H.E.B.

DATE: _____ FOR _____

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REVISION	DATE	DESCRIPTION	BY	CH'D

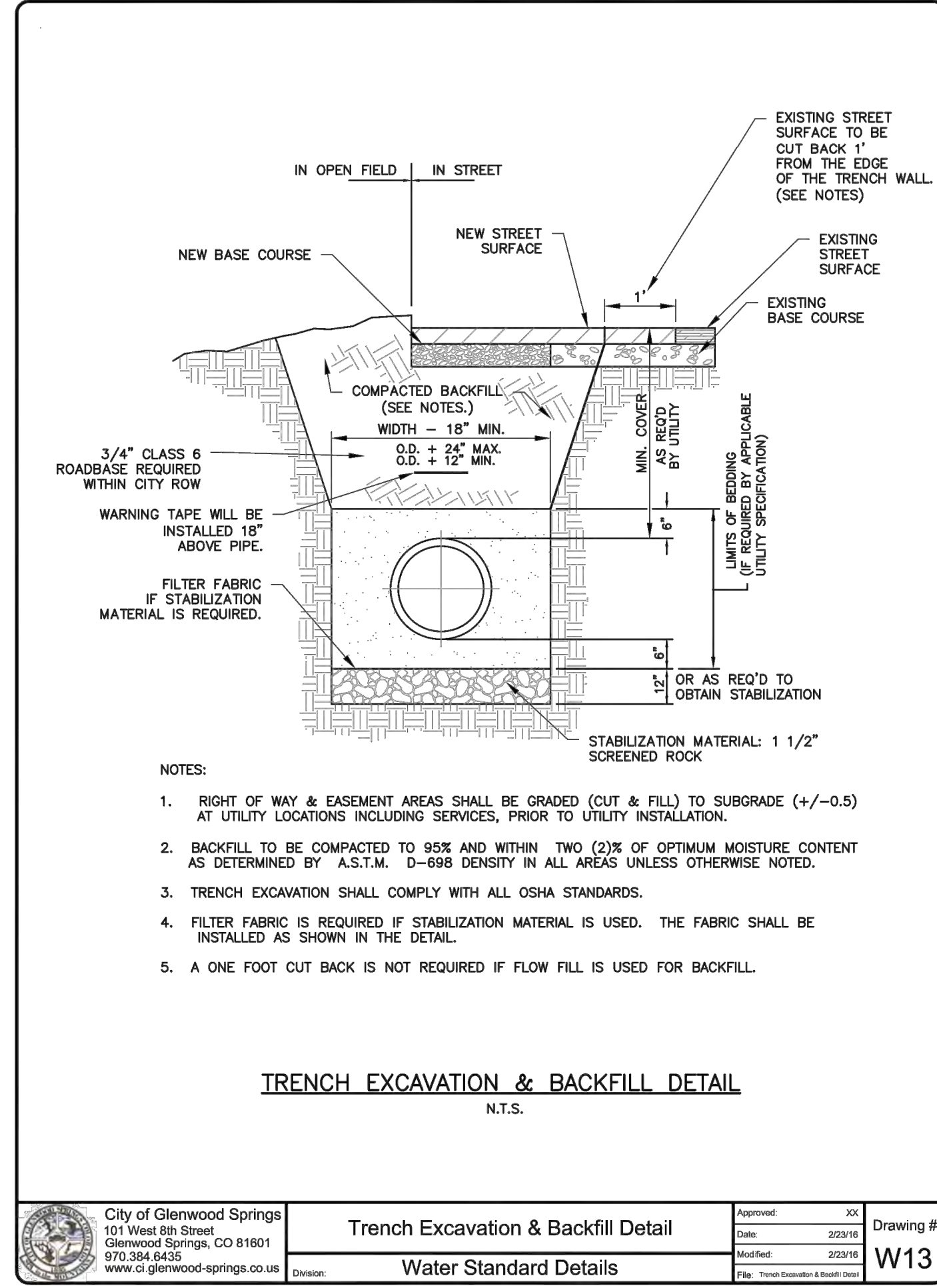
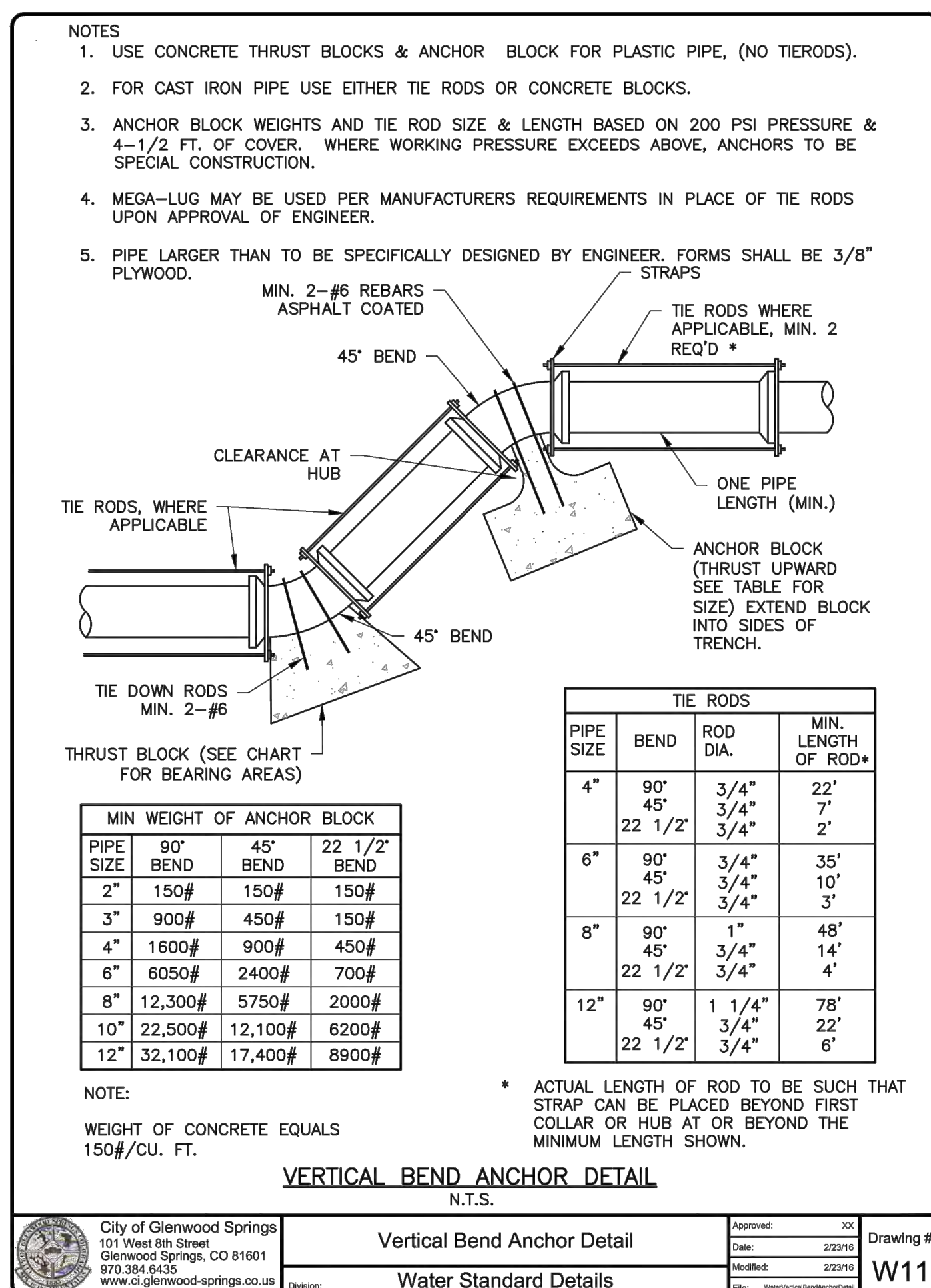
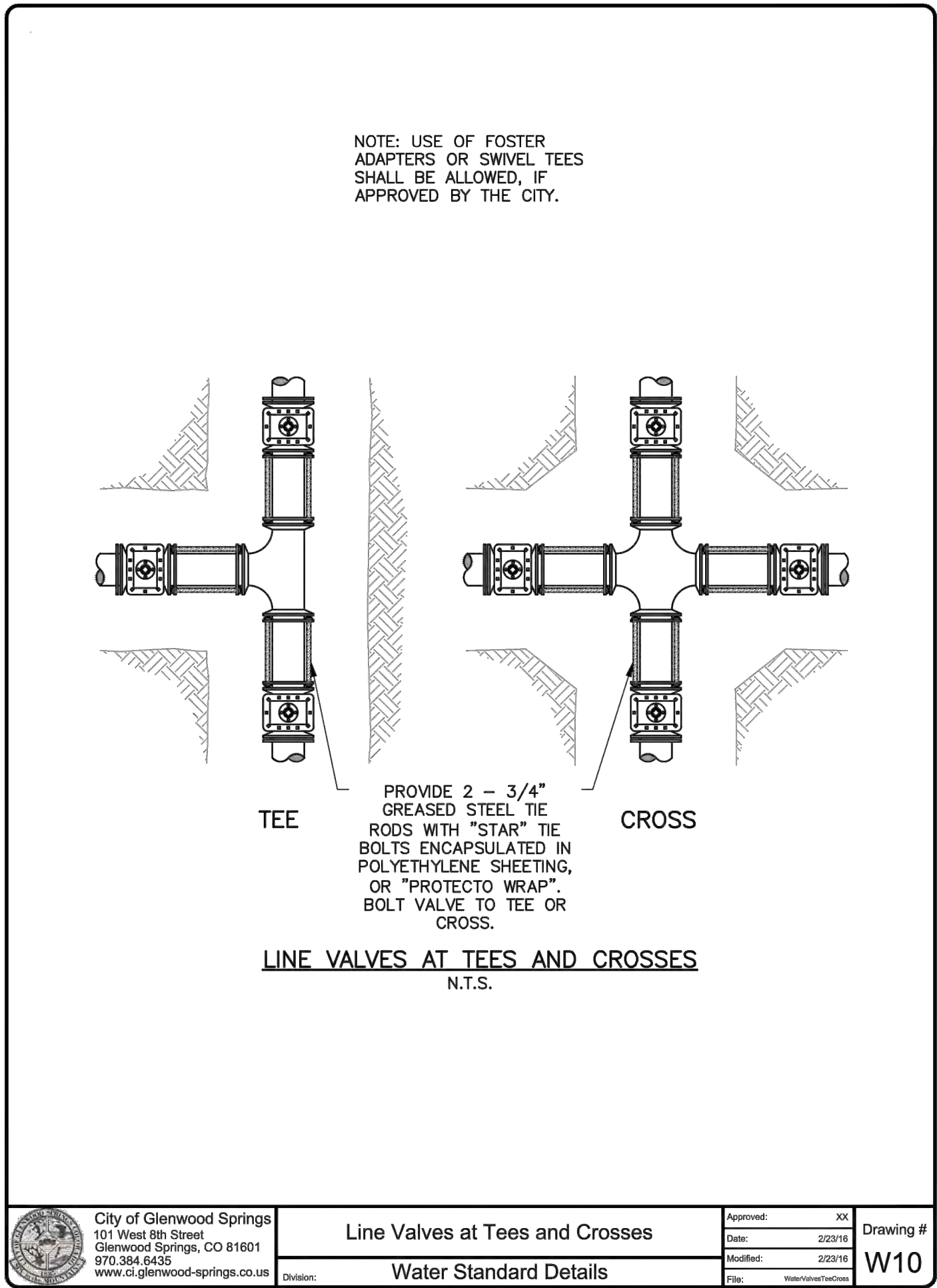
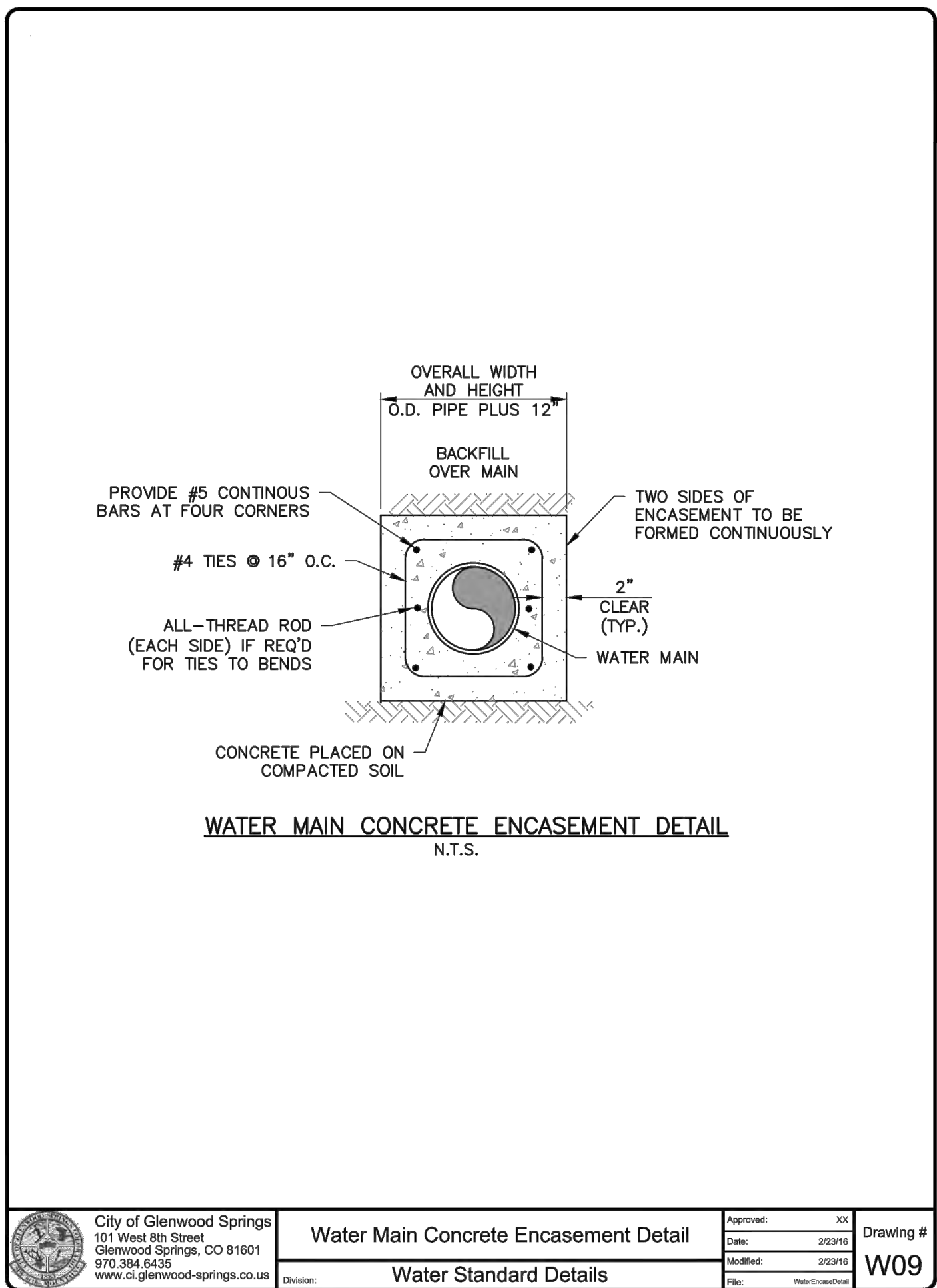
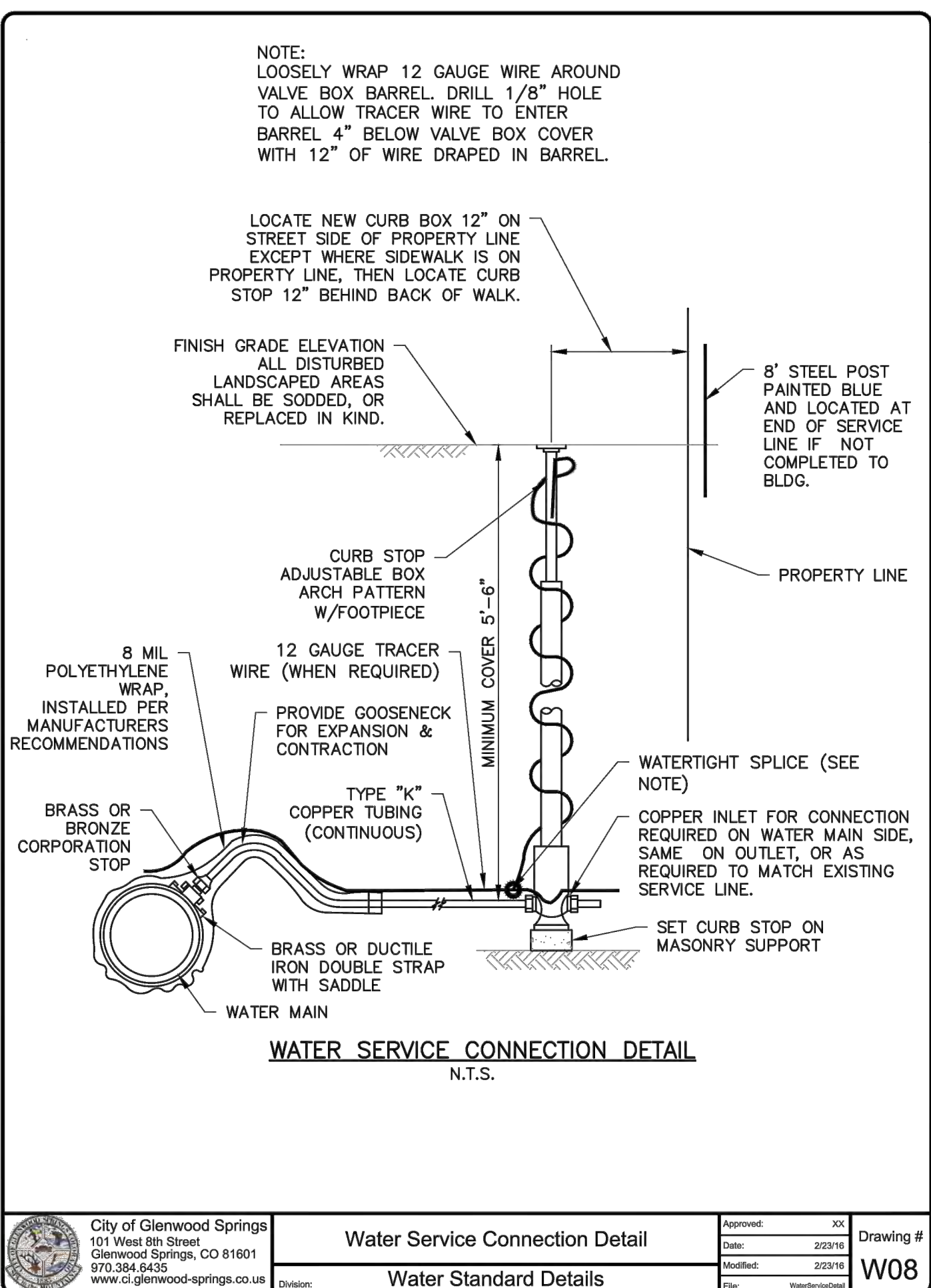
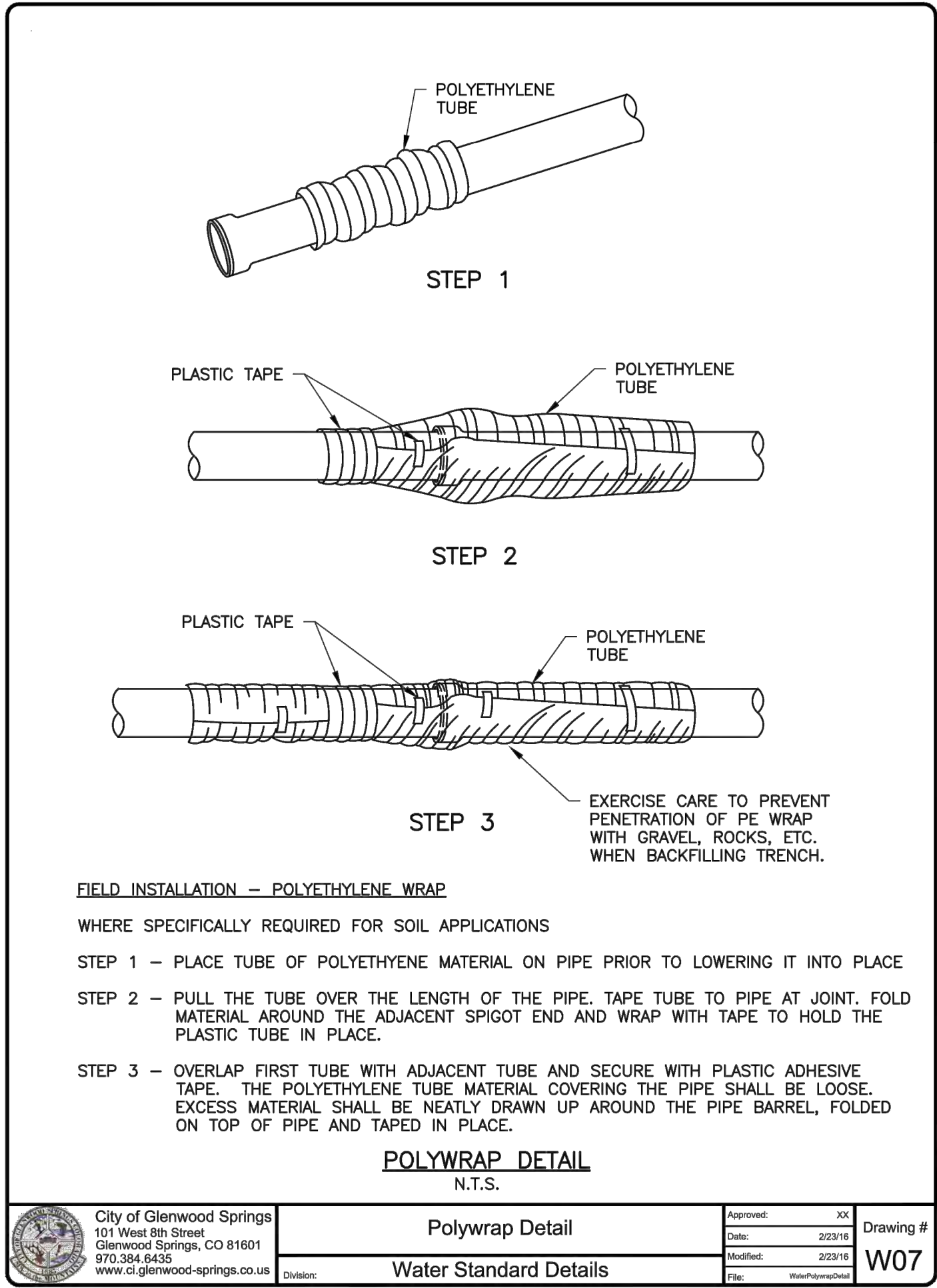
CARDIFF GLEN - LOT 95 & LOT 96
SOLSTICE TOWNHOMES
WATER DETAILS

SCALE: N.T.S.

JOB NO: 201815

DATE: 10-22-18

SHEET NO: C20



OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.

REVIEWED BY: _____

CHECKED BY: H.E.B.

DATE: _____ FOR _____

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REVISION	DATE	DESCRIPTION	BY	CHK'D

CARDIFF GLEN - LOT 95 & LOT 96
SOLSTICE TOWNHOMES
WATER DETAILS

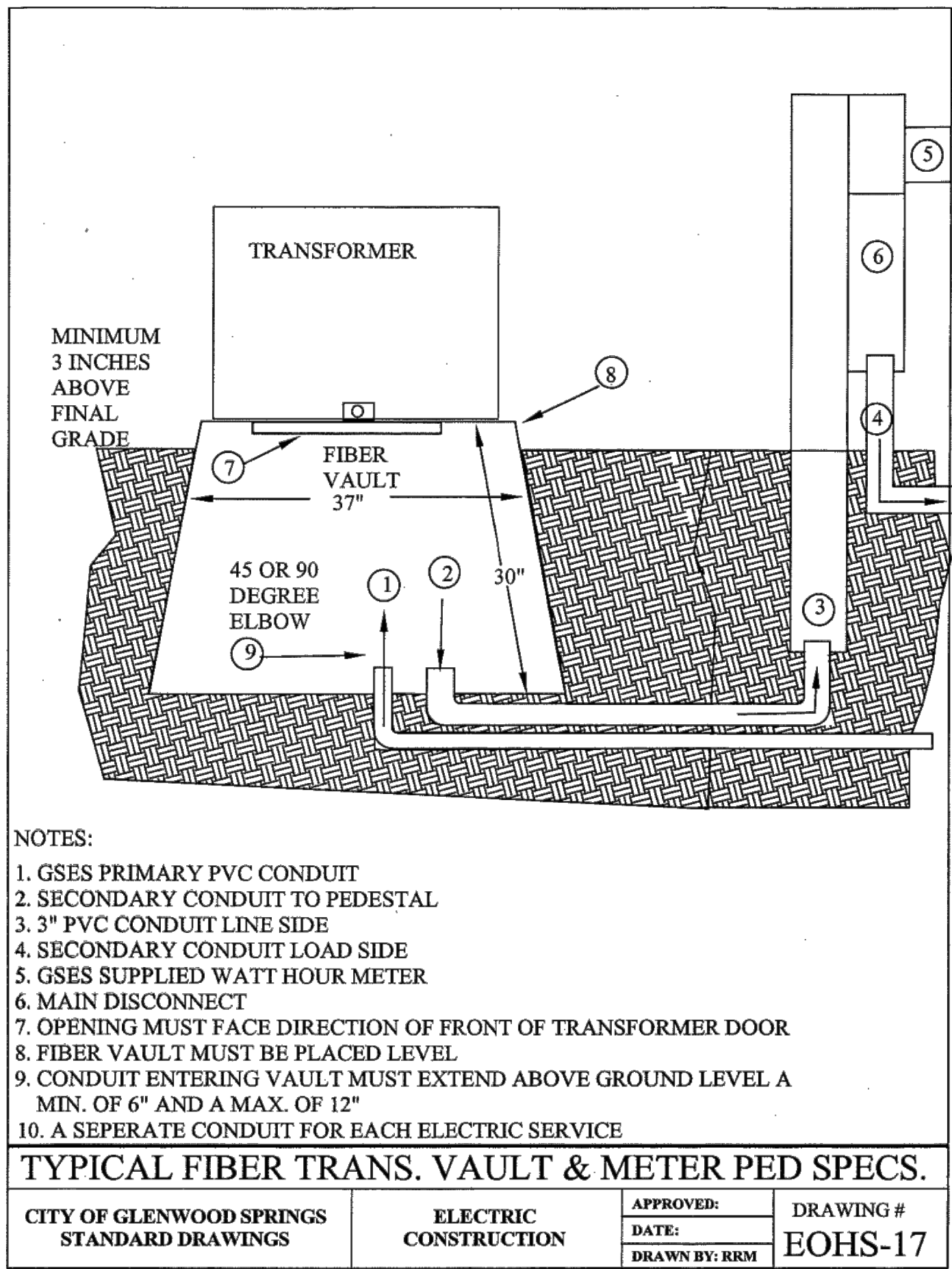
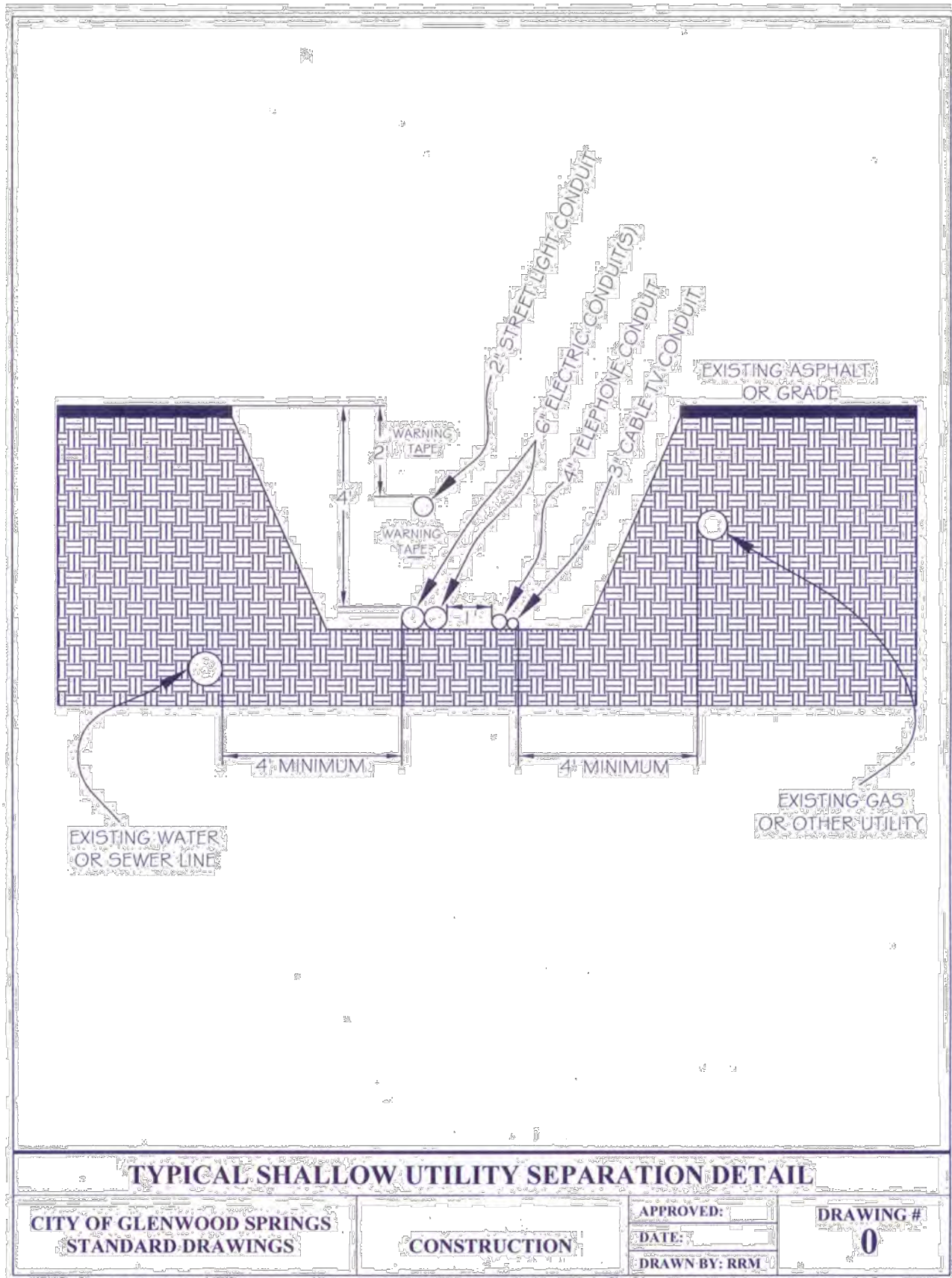
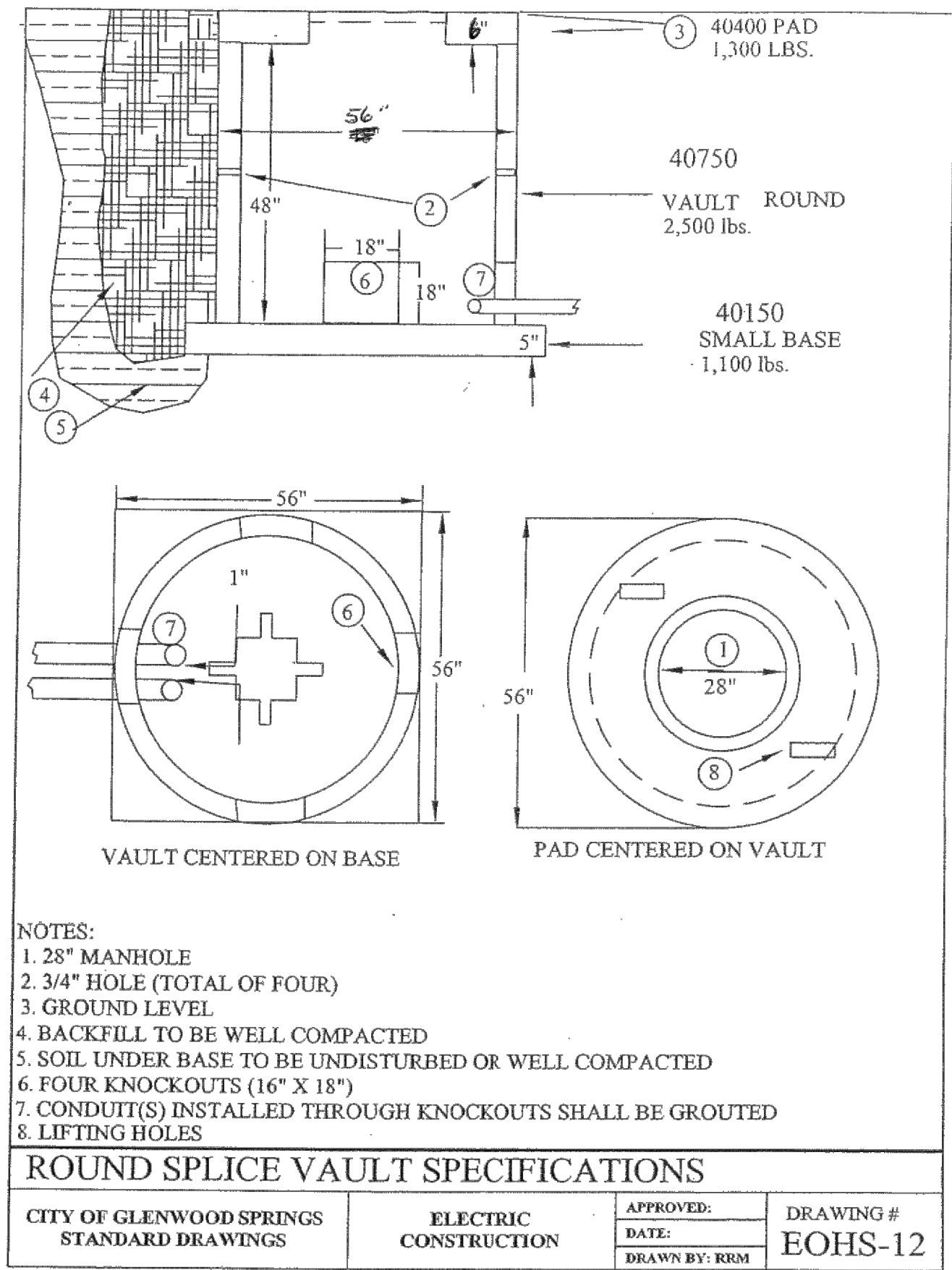
GLENWOOD SPRINGS, COLORADO

SCALE: N.T.S.

JOB NO: 2018.15

DATE: 10-22-18

SHEET NO: C21



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SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

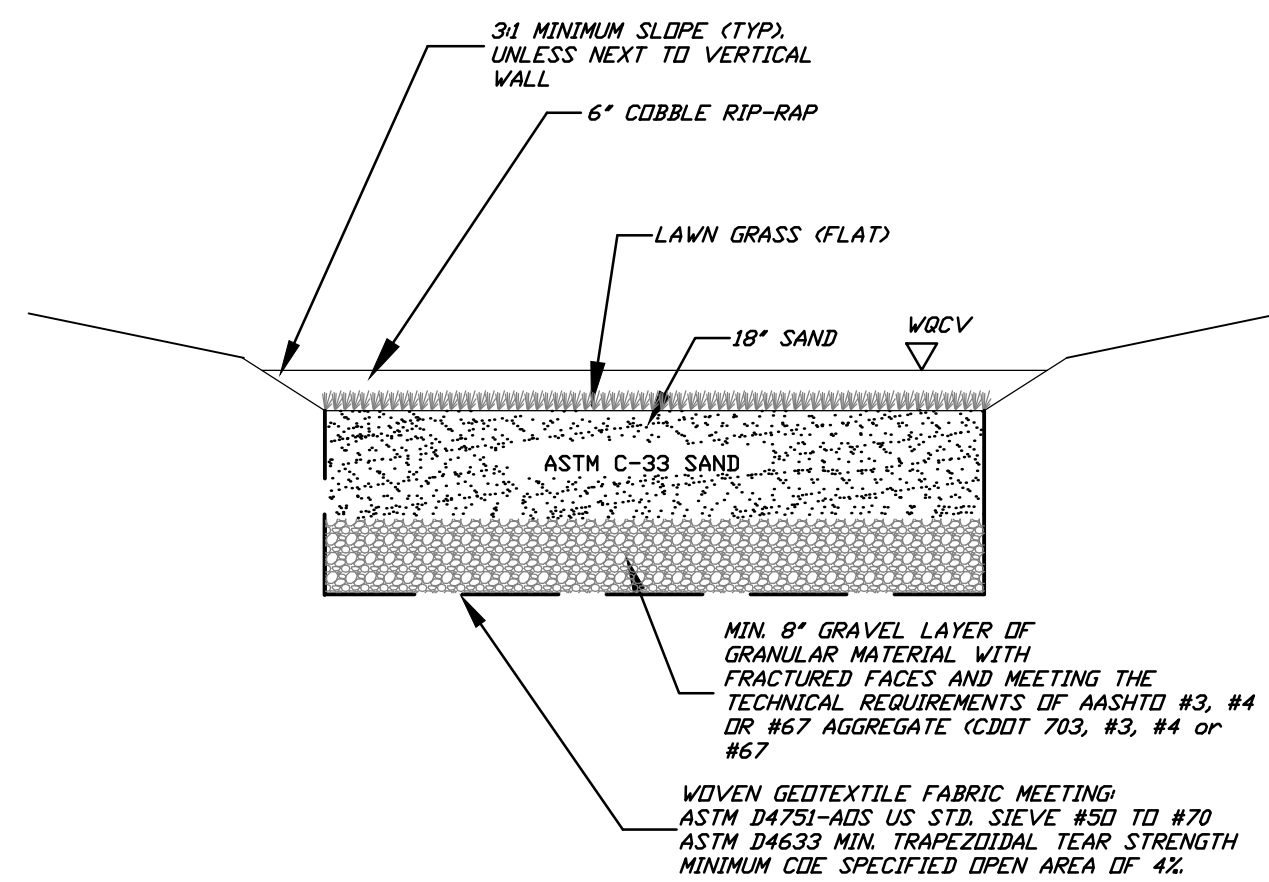
DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
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REVISION	DATE	DESCRIPTION	BY	CHK'D

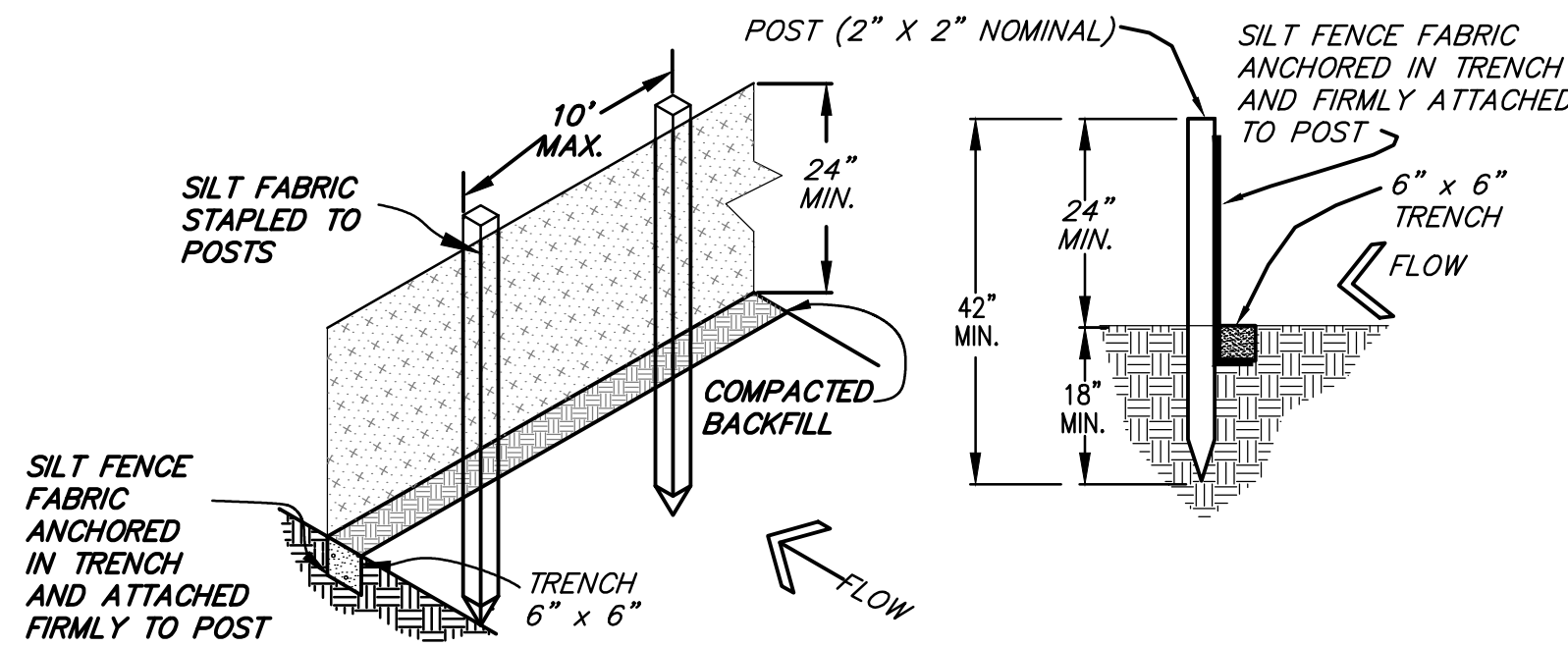
GLENWOOD SPRINGS, COLORADO	
CARDIFF GLEN - LOT 95 & LOT 96 SOLSTICE TOWNHOMES ELECTRIC DETAILS	

SCALE: N.T.S.	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO: C22		



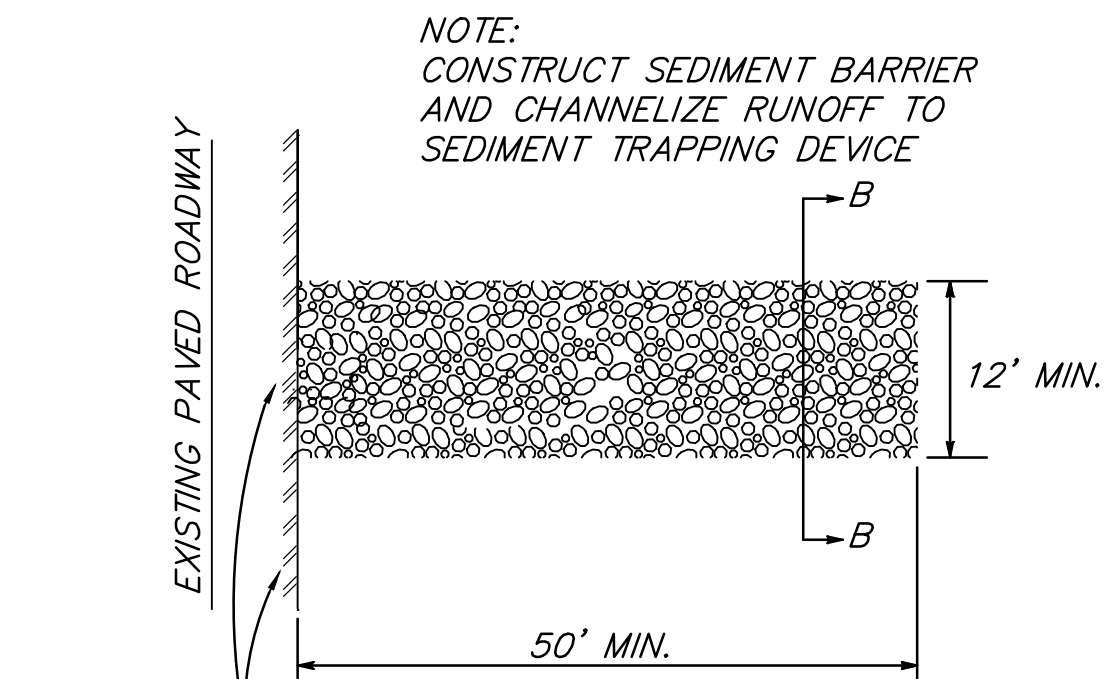
SURFACE SAND FILTER TYPICAL SECTION

N.T.S.

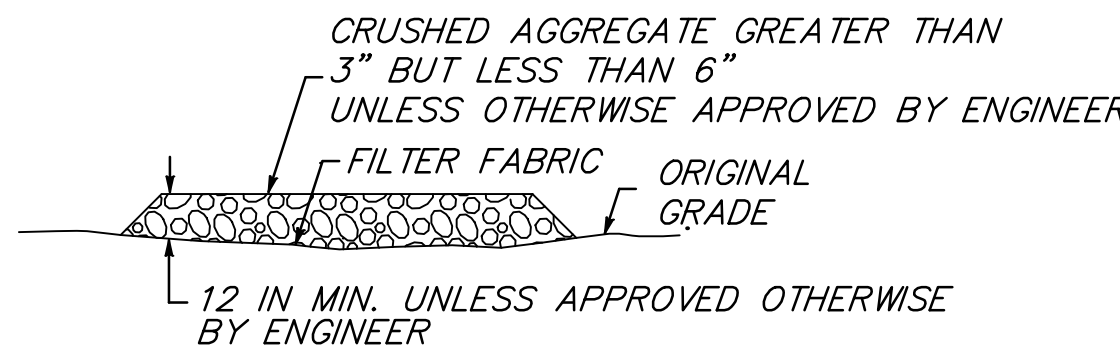


SILT FENCE

N.T.S.



PLAN



SECTION B-B

N.T.S.

VEHICLE TRACKING PAD

NTS

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO



SECTION 27
TOWNSHIP 6 SOUTH
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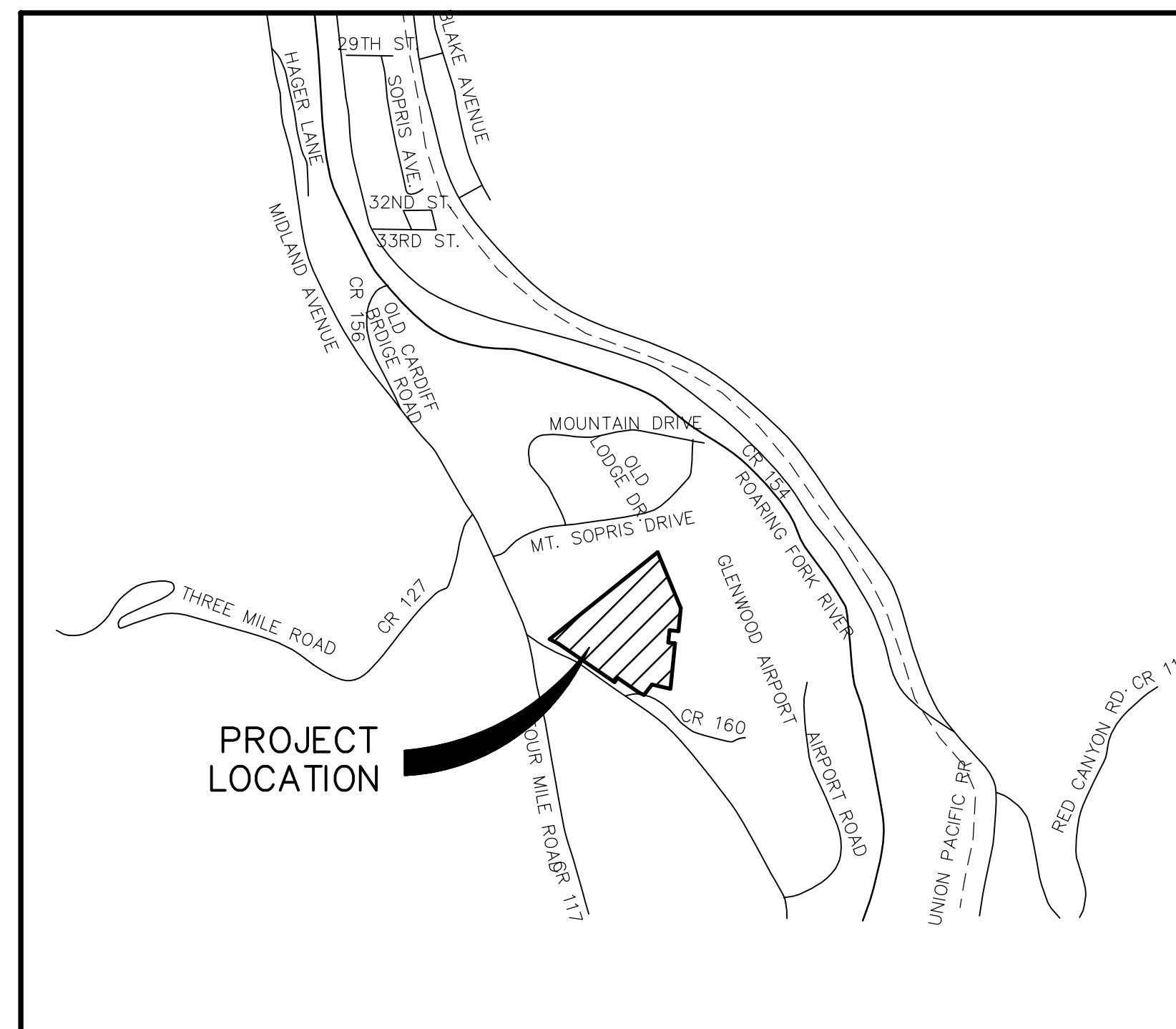
DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____	PINNACLE DESIGN CONSULTING GROUP, INC. CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacle.design@sopris.net	REVISION	DATE	DESCRIPTION	BY	CH'D	SOLSTICE GLENWOOD SPRINGS, COLORADO CARDIFF GLEN SUBDIVISION – LOTS 95 AND 96 SIDEWALK RAMP DETAILS	SCALE: N.T.S. JOB NO: 2018.15 DATE: 10-22-18 SHEET NO: C23
CHECKED BY: H.E.B.	DATE: _____ FOR _____								

ASPEN BUILT HOMES

PLANS FOR
CONSTRUCTION
OF

CARDIFF GLEN GRAND RIVER PARK AND LOT 95 SIDEWALK AND PARKING IMPROVEMENTS

SEPTEMBER 1, 2016

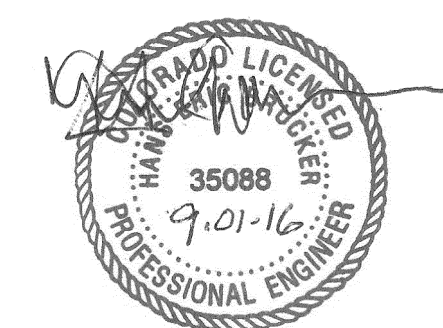


VICINITY MAP

NO.

TITLE

C1	COVER SHEET
C2	GENERAL NOTES
C3	GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (20 SCALE)
C4	GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (SOUTH PORTION 10 SCALE)
C5	GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (NORTH PORTION 10 SCALE)
C6	LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (20 SCALE)
C7	LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (SOUTH PORTION 10 SCALE)
C8	LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (NORTH PORTION 10 SCALE)
C9	SIDEWALK AND PARKING ACCESS/LOT PROFILES
C10	TYPICAL SECTIONS & DRAINAGE AND EROSION CONTROL DETAILS



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CARBONDALE, CO • (970) 963-2170

JOB NO. 9016.06

BENCHMARK AND SURVEY CONTROL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. A CAD DRAWING WILL BE PROVIDED TO CONTRACTOR TO ESTABLISH HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION OF THE PROJECT IMPROVEMENTS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION AS MAY BE NECESSARY.
2. PRIOR TO PROJECT COMPLETION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY MONUMENTATION DISTURBED OR REMOVED BY CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF COLORADO. PROPERTY CORNERS WHICH FALL WITHIN NEW CONCRETE FLATWORK SHALL BE DURABLE AND SET FLUSH. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

EARTHWORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
2. ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.

NPDES DRAINAGE WATER QUALITY NOTES:

1. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENTS, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOW LINES AND PUBLIC RIGHTS-OF-WAY AS A RESULT OF THIS CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
2. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER INLETS IS PROHIBITED.
3. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATION, INVOLVING WHEEL CUTTING, SAW CUTTING OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER IS PROHIBITED.
4. THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING TRENCH BACKFILL MATERIAL, FROM WASHING INTO THE STORM SEWER SYSTEM.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A STORM WATER MANAGEMENT PLAN PERMIT IF THE PROJECT MEETS MINIMUM REQUIREMENTS FOR A PERMIT.

UTILITY GENERAL NOTES:

1. ANY CONTRACTOR-CAUSED DAMAGE TO UTILITY AND/OR SERVICE LINES SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE CITY OF GLENWOOD SPRINGS OR THE RESIDENTS OF CARDIFF GLEN, AND AND SHALL BE ACCOMPLISHED BY THE CONTRACTOR, SUBCONTRACTOR OR AS APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA. LIKEWISE, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK AND THAT OF THE INVOLVED UTILITIES IN THE PROJECT AREA.
2. UNDERGROUND UTILITY LINES HAVE NOT BEEN SHOWN SHOWN ON THE PLANS, HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
3. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING.
4. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITY AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE CITY OF GLENWOOD SPRINGS AND THE ASSOCIATED UTILITY SERVICE PROVIDERS. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTAL ITEMS NEEDED TO PROVIDE ADEQUATE CONSTRUCTION SIGNING, BARRICADES, TRAFFIC CONTROL DEVICES AND OTHER RELATED ITEMS FOR THE PROJECT AREAS, DURING THE CONSTRUCTION PERIOD.
2. ALL SIDEWALK AND PAVED DRIVEWAY REMOVALS SHALL BE BOUNDED BY JOINTS OR SAWCUTS. SAWCUTTING IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
3. THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE TREES AND SHRUBS UNLESS SO DIRECTED BY THE PROJECT ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO THE START OF WORK.
5. ANY SURPLUS EXCAVATION TO INCLUDE BUT NOT LIMITED TO THE REMOVAL OF LANDSCAPING FOR SIDEWALK INSTALLATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND DISPOSAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYING AND CONSTRUCTION STAKING FOR THE PROJECT. ALL GRADING AND SURFACING SHALL BE IN ACCORDANCE WITH THE PLAN SHEETS.
7. THE CONTRACTOR SHALL REMOVE AND STOCKPILE ALL SALVAGED TOPSOIL TO BE USED LATER AS BACKFILL BEHIND CURBS AND DRIVES OR IN THE RESTORATION OF DISTURBED AREAS. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
8. THE CONTRACTOR SHALL LEVEL ALL DISTURBED AREAS WITH TOPSOIL AND HAND-RAKE TO A UNIFORM APPEARANCE. THE AREA SHALL BE SEEDED WITH PROTECTIVE STRAW MAT COVER DURING WINTER MONTHS, SODDED OR SEEDED IN A FASHION THAT PREVENTS THE EFFECTS OF EROSION.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CDOT AND THE CITY OF GLENWOOD MUNICIPAL CODE, ENGINEERING DEPARTMENT, GENERAL PROVISIONS, SPECIAL PROVISIONS, ENGINEERING SPECIFICATIONS, REVISIONS TO STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, CDOT STANDARD SPECIFICATIONS, LATEST REVISION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
3. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
4. SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
5. THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
6. STORAGE IS NOT ALLOWED IN THE PUBLIC ROW.
7. ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
8. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
9. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF GLENWOOD'S SPRINGS AND THE ENGINEER.
10. THE ENGINEER SHALL BE NOTIFIED WITHIN 48 HOUR PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
11. DIMENSIONS AND RADII ARE SHOWN TO THE FLOW LINE OF CURB UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
13. THE CONTRACTOR SHALL NOT REMOVE AND SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, AND EXISTING IMPROVEMENTS INSIDE AND OUTSIDE THE LIMITS OF WORK. SPECIFIC PROVISIONS ARE SHOWN ON THE PLANS.
14. NO TREES SHALL BE REMOVED OR TRIMMED WITHOUT PRIOR ACKNOWLEDGEMENT OF THE PROPERTY OWNER AND/OR PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
15. THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE.
16. THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS AT ALL TIMES DURING THE PROJECT.
17. THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT.
18. WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO "REMOVAL OF ASPHALT PAVEMENT". THE CONTRACTOR WILL BE REQUIRED TO PAINT THE EDGE OF THE CUT PAVEMENT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER.
19. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
20. THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTRIBUTED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
22. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS ON SITE FOR THE DURATION OF THE PROJECT WITH APPROPRIATE MONUMENTATION AS MAY BE NECESSARY SET BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
23. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF THE TRAVELED WAY.
24. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
25. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
26. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COURSES TO IMPROVE BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
27. STORM INLET STATIONING AND ELEVATION REFERENCE CENTER OF BOX. STORM MANHOLE STATIONING REFERENCE CENTER OF MANHOLE.
28. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION.
29. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.
30. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.
31. PARKING SHOULD BE CONSTRUCTED BY WHOMEVER COMPLETES THE OPEN SPACE IMPROVEMENTS AND SHALL FOLLOW ADA GUIDELINES.
32. ALL PARKING IS REQUIRED TO FOLLOW ADA GUIDELINES. ACCESSIBLE PARKING AND

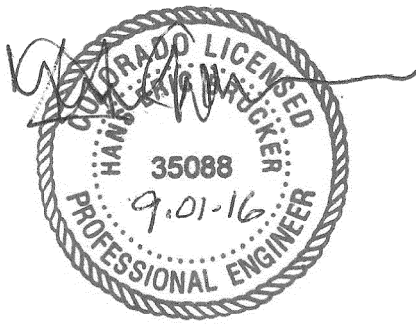
33. ADA LANDING REST/AREAS ARE TO BE NO GREATER THAN A 2% SLOPE IN ANY DIRECTION.
34. EROSION CONTROL PLANNING SHOULD BE INCLUSIVE OF ALL EROSION CONTROL MEASURES, INCLUDING, BUT NOT LIMITED TO, CONTROLLED ENTRANCE/EXIT LOCATIONS, VEHICLE TRACKING CONTROL, CONCRETE WASHOUT, EROSION CONTROL BLANKETS, SEEDING/MULCHING, ETC. A PERMIT WILL BE REQUIRED THROUGH THE CDPHE FOR STORMWATER DISCHARGES RELATED TO CONSTRUCTION ACTIVITIES FOR A TOTAL DISTURBANCE GREATER THAN ONE (1) ACRE. THE APPROVED SWMP SHALL BE SUBMITTED TO THE CITY OF GLENWOOD SPRINGS.
35. PRIOR TO CONSTRUCTION, A FINAL SIGNAGE AND STRIPING PLAN SHALL BE PROVIDED TO THE TOWN ON GLENWOOD SPRINGS.
36. CONTRACTOR SHALL VERIFY THAT ALL ADA LANDING/REST AREAS ARE NO STEEPER THAN A 2% GRADE IN ALL DIRECTIONS.

SPECIAL PROJECT NOTES:

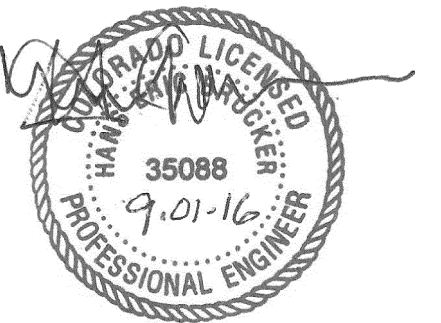
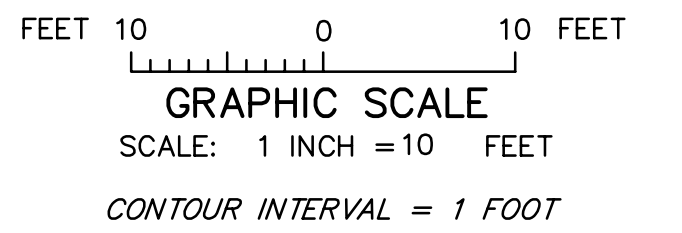
1. SEE PROJECT PROFILES ON SHEET C3 FOR ALL PROPOSED SIDEWALK AREA AND NEW PARKING/ACCESS DRIVE AND CONSTRUCTION/EROSION CONTROL DETAILS ON SHEET C10.
2. THE ELEVATION CONTOURS SHOWN HEREON WERE BASED ON A GPS SURVEY IN APRIL 2016. ADDITIONAL CURB FLOW LINE SPOT ELEVATIONS WERE SURVEYED VIA CONVENTIONAL MEANS IN MAY 2016.
3. THE TRACKING ON MUD ONTO LOCAL STREETS SHALL NOT BE PERMITTED.
4. SEE LANDSCAPE PLANS FOR SPECIFIC REVEGETATION, PLANTING, SIGNAGE, AND STRIPING REQUIREMENTS.
5. PROJECT BENCHMARKS ARE LOCATED AT CENTER OF THE FOLLOWING INTERSECTIONS: CRAWFORD WAY/STOCKTON LANE & STOCKTON LANE/SHEPHERD'S LANE.

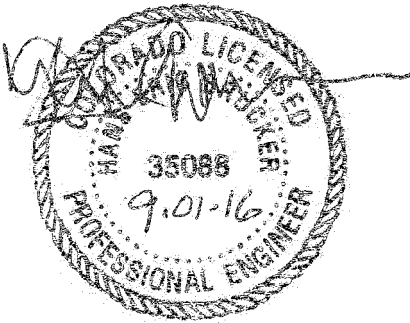
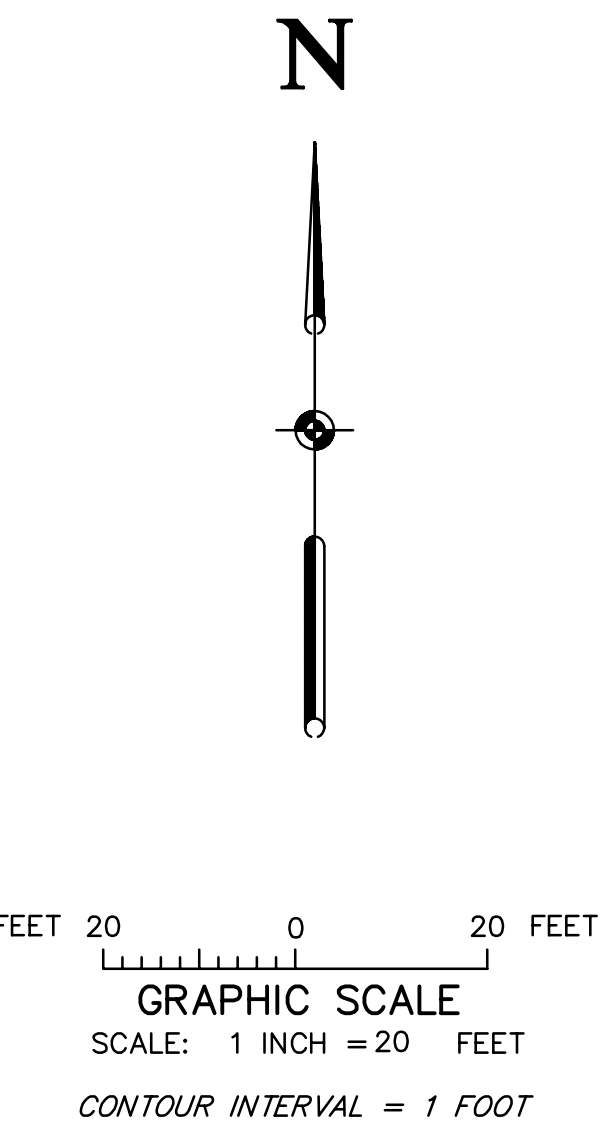
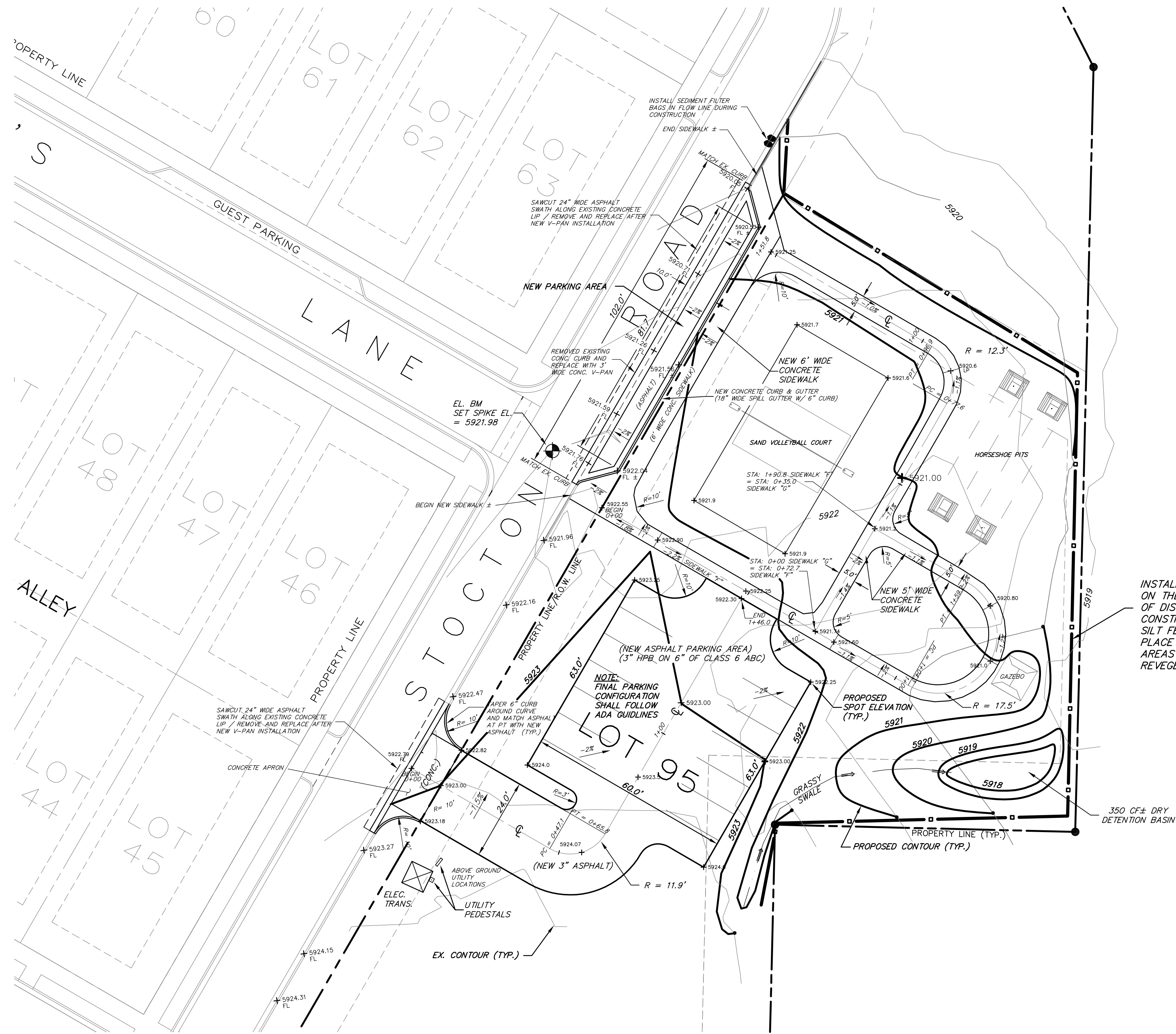
THE FOLLOWING WILL BE A CONDITION OF APPROVAL PRIOR TO OBTAINING A BUILDING PERMIT:

1. PARKING AND SIDEWALK DESIGN WILL FOLLOW ADA STANDARDS. THIS INCLUDES ADA RAMP LOCATIONS AND DESIGN.
2. A FINAL SIGNAGE AND STRIPING PLAN SHALL BE PROVIDED.
3. A COMPREHENSIVE SWMP SHALL BE PROVIDED.

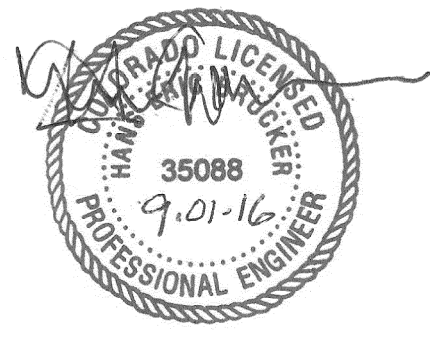
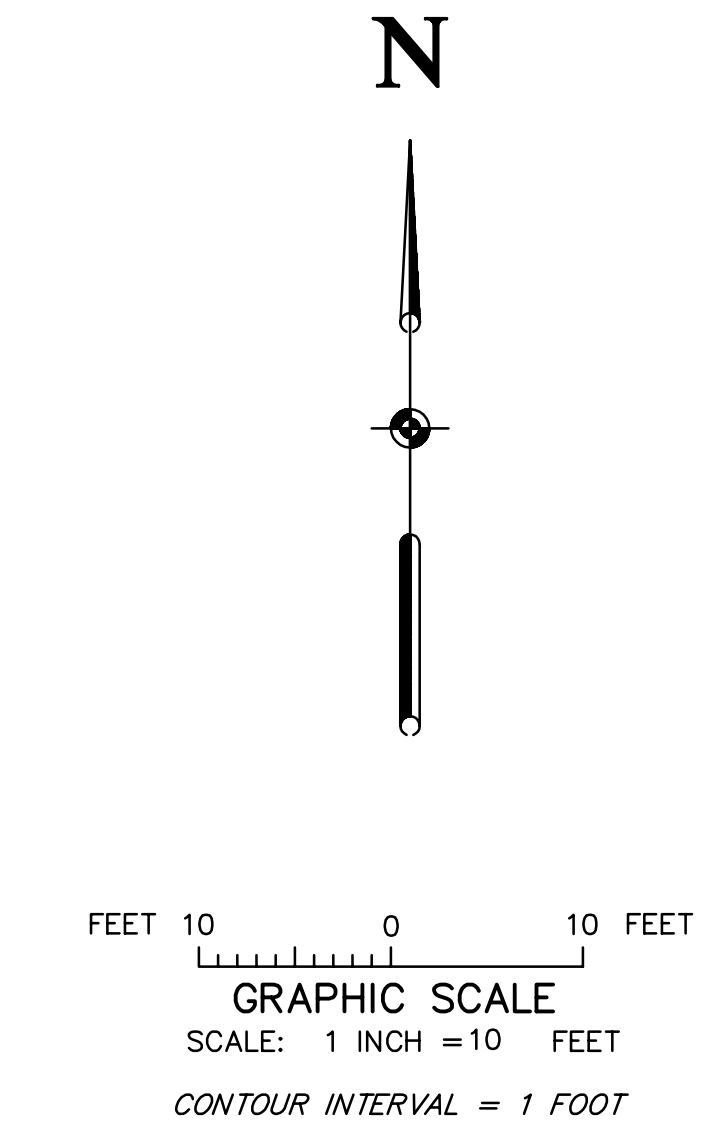
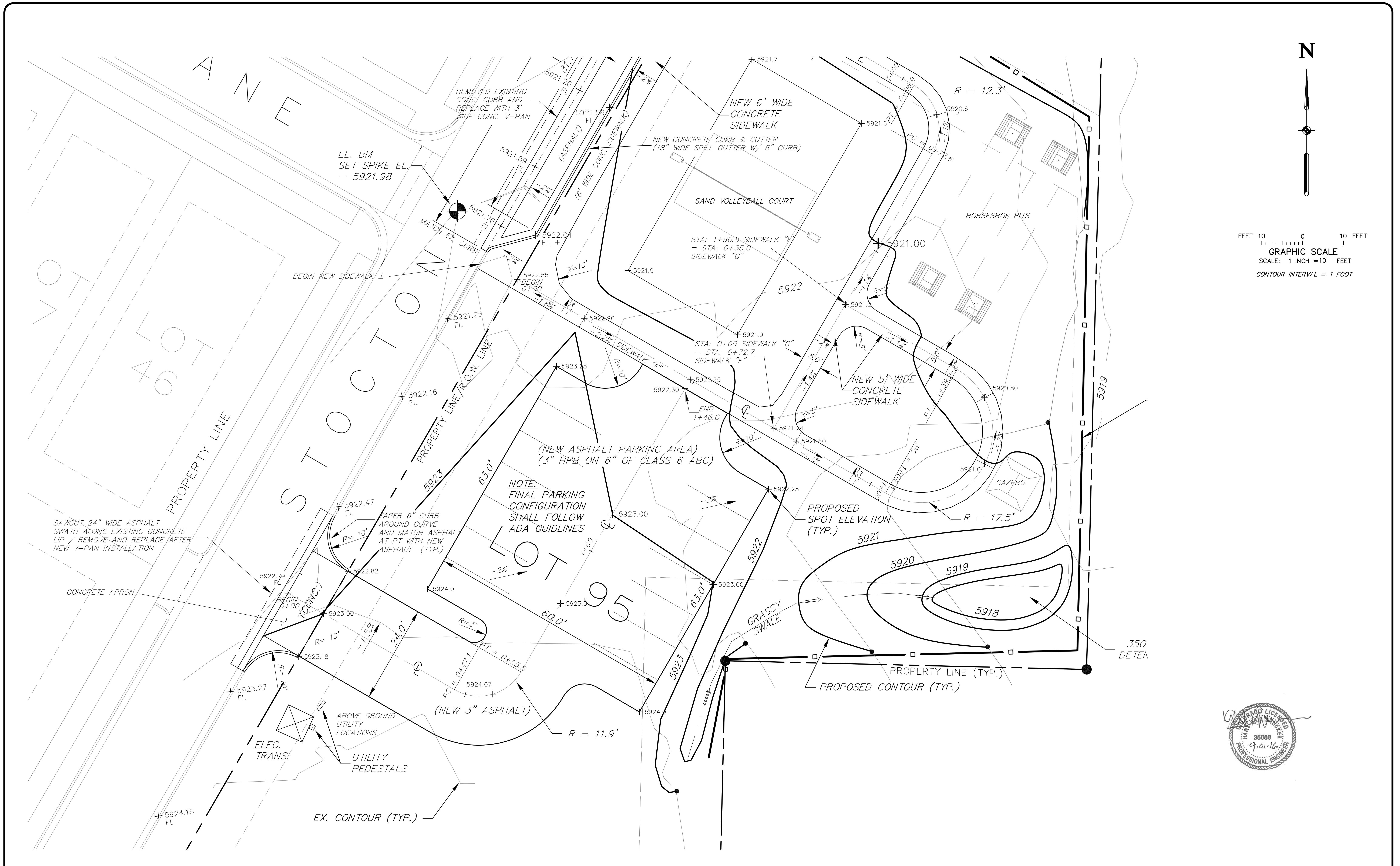


DRAWN & DESIGNED BY: H.E.B.		REVIEWED BY: _____	<u>PINNACLE DESIGN CONSULTING GROUP, INC.</u> CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170	REVISION	DATE	DESCRIPTION	BY	CHK'D	ASPEN BUILT HOMES		GLENWOOD SPRINGS, COLORADO		SCALE: N.T.S.	JOB NO: 2016.06	DATE: 9-01-16	
CHECKED BY: H.E.B.				1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS COMMENTS	H.E.B.	H.E.B.	CARDIFF GLENN GRAND RIVER PARK AND LOT 95 SIDEWALK AND PARKING IMPROVEMENTS GENERAL NOTES							
				2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.								
		3		8-12-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.									
		4		9-01-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.									
		DATE: _____ FOR _____		SHEET NO: C2												

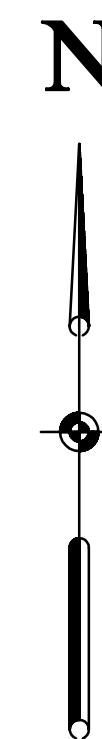
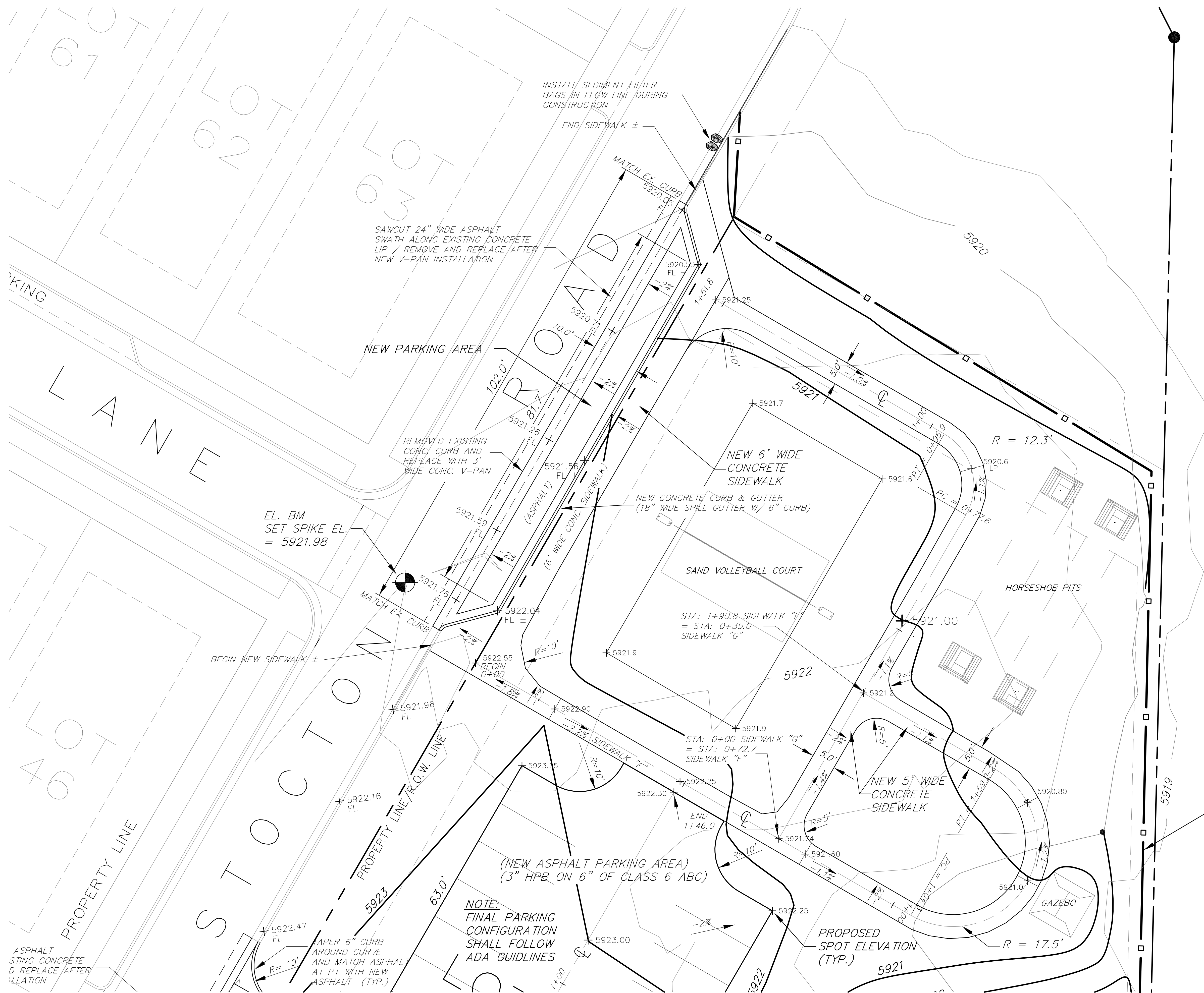
Packet Page 356



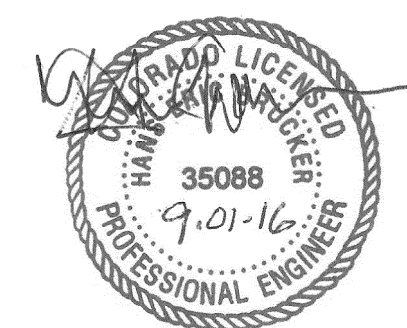
DRAWN & DESIGNED BY: H.E.B.		Pinnacle Design Consulting Group, Inc. CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170	REVISION	DATE	DESCRIPTION	BY	CHK'D	ASPEN BUILT HOMES	GLENWOOD SPRINGS, COLORADO	SCALE: 1" = 20'	JOB NO: 2016.06	DATE: 9-01-16	
REVIEWED BY: _____			1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS	H.E.B.	H.E.B.	CARDIFF GLEN LOT 95 SIDEWALK AND PARKING IMPROVEMENTS (20 SCALE) GRADING DRAINAGE & EROSION CONTROL PLAN					
					COMMENTS								
DATE: _____ FOR _____			2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.						
CHECKED BY: H.E.B.			3	8-12-16	ADRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.						
			4	9-01-16	ADRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.	SHEET NO: C6					



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H.E.B.					1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS COMMENTS	H.E.B.	H.E.B.	CARDIFF GLEN LOT 95 (SOUTH PORTION) SIDEWALK AND PARKING IMPROVEMENTS GRADING DRAINAGE & EROSION CONTROL PLAN (10 SCALE)				
CHECKED BY:		2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.								
H.E.B.		3	8-12-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.								
		4	9-01-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.								



FEET 10 0 10 FEET
GRAPHIC SCALE
SCALE: 1 INCH = 10 FEET
CONTOUR INTERVAL = 1 FOOT



INSTALL SILT FENCE
ON THE DOWN-GRADIENT SIDE
OF DISTURBED AREAS DURING
CONSTRUCTION
SILT FENCE SHALL REMAIN IN
PLACE UNTIL ALL DISTURBED
AREAS ARE COMPLETELY
REVEGETATED

DRAWN & DESIGNED BY:

H.E.B.

REVIEWED BY:

CHECKED BY:

H.E.B.

DATE: _____ FOR _____

PINNACLE DESIGN CONSULTING GROUP, INC.

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CARBONDALE, CO 81623 • (970) 963-2170

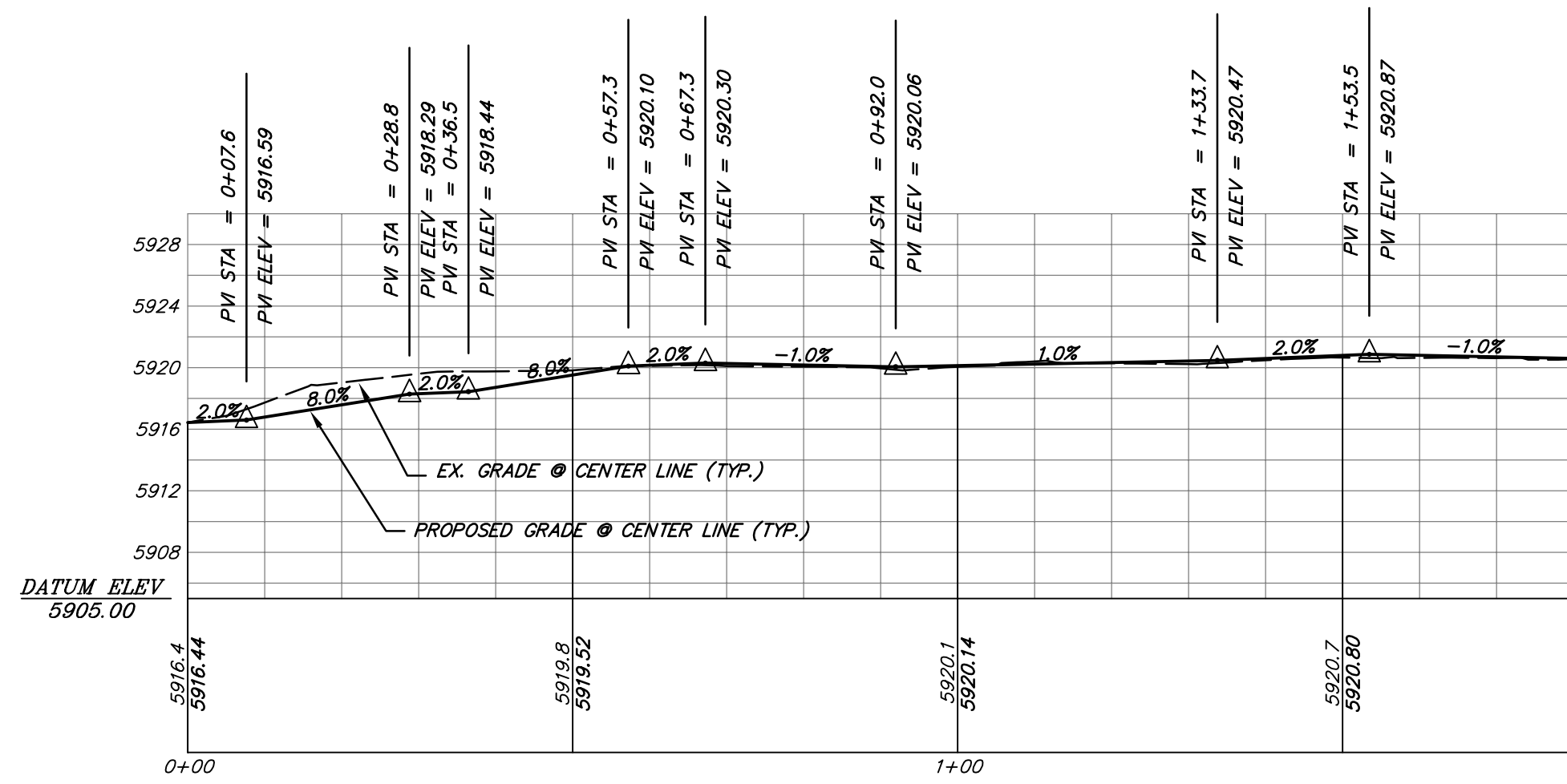
REVISION	DATE	DESCRIPTION	BY	CHD
1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS COMMENTS	H.E.B.	H.E.B.
2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.
3	8-12-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.
4	9-01-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.

ASPEN BUILT HOMES

GLENWOOD SPRINGS, COLORADO

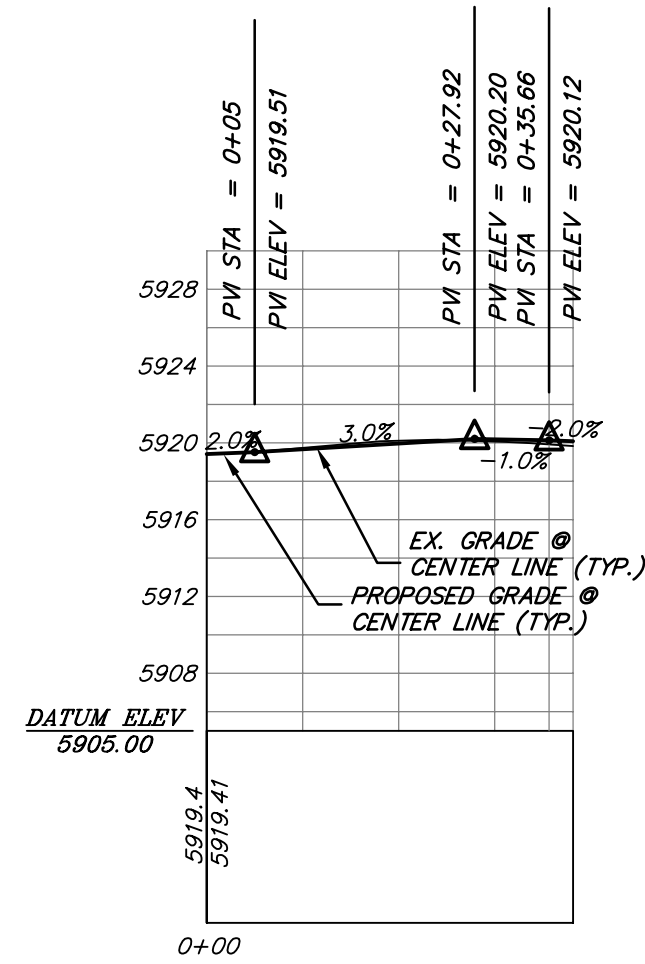
**CARDIFF GLEN LOT 95 (NORTH PORTION)
SIDEWALK AND PARKING IMPROVEMENTS
GRADING DRAINAGE & EROSION CONTROL PLAN (10 SCALE)**

SCALE: 1" = 10'
JOB NO: 2016.06
DATE: 9-01-16
SHEET NO: **C8**



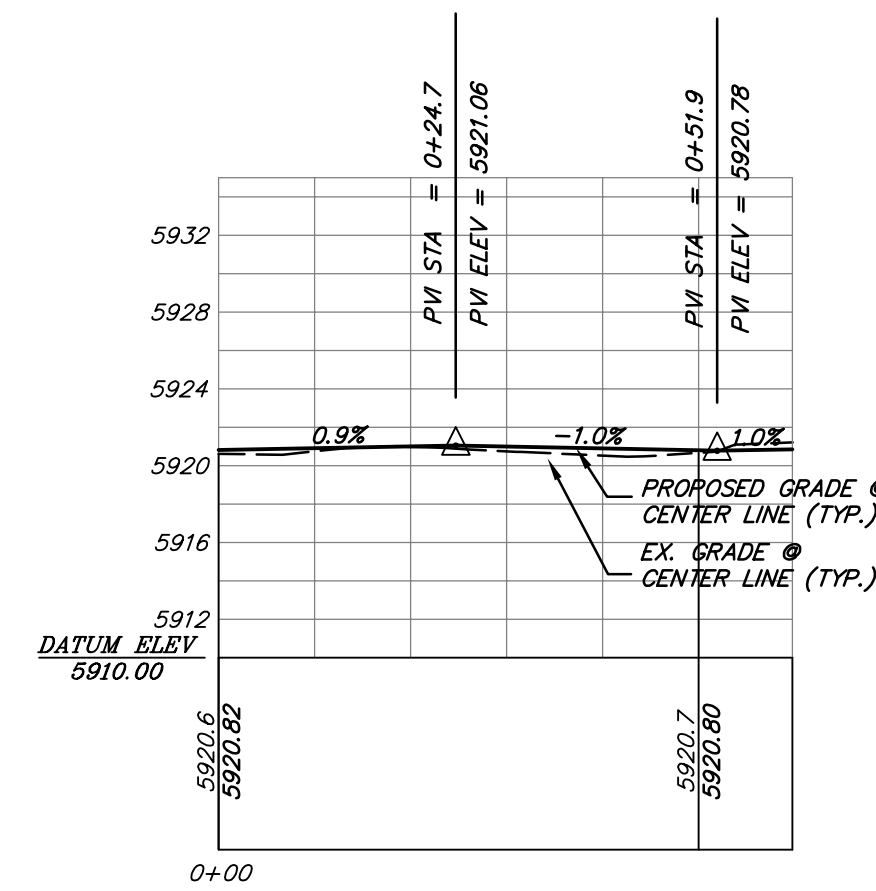
SIDEWALK "A" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



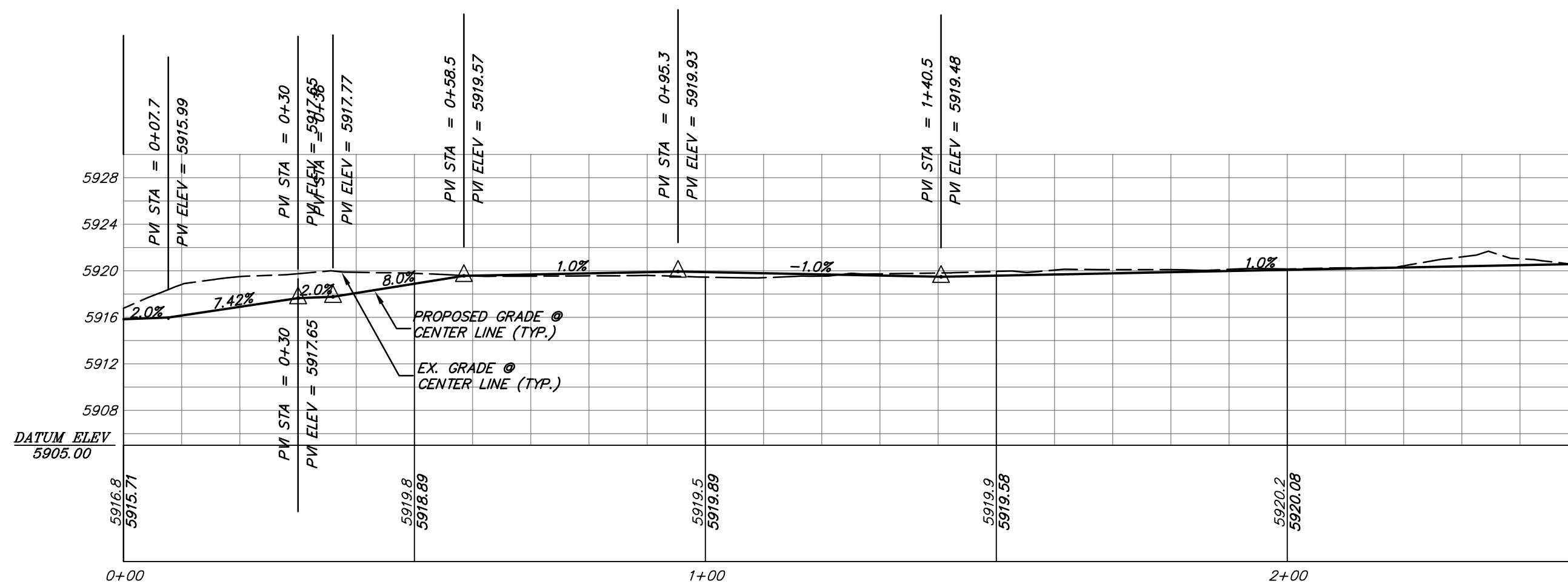
SIDEWALK "B" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



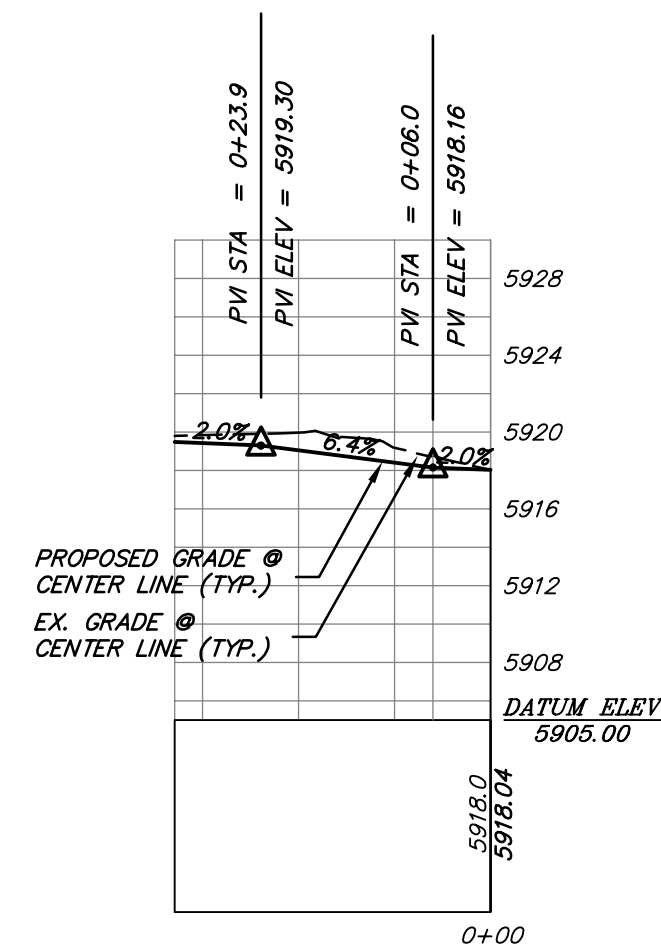
SIDEWALK "C" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



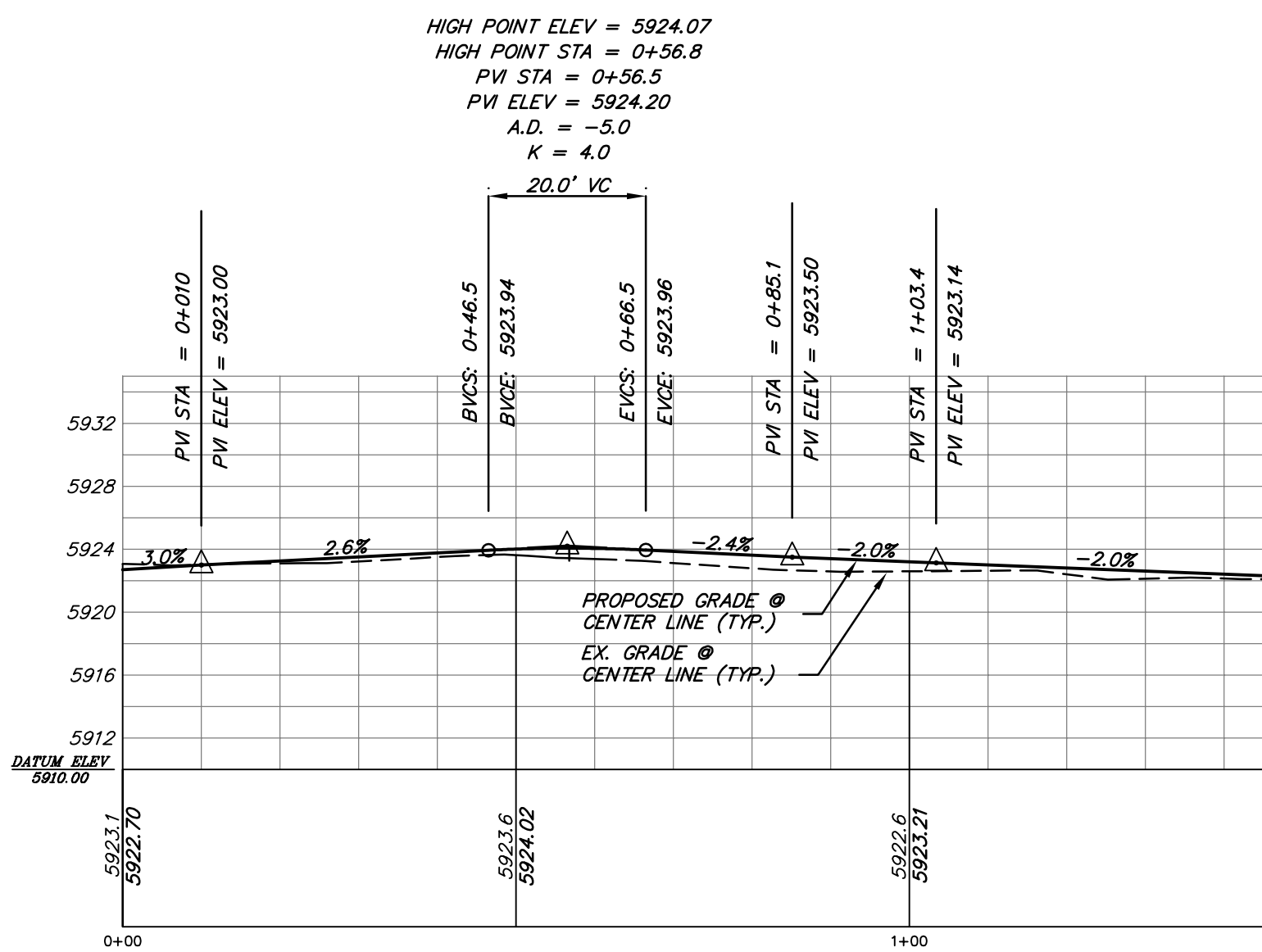
SIDEWALK "D" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



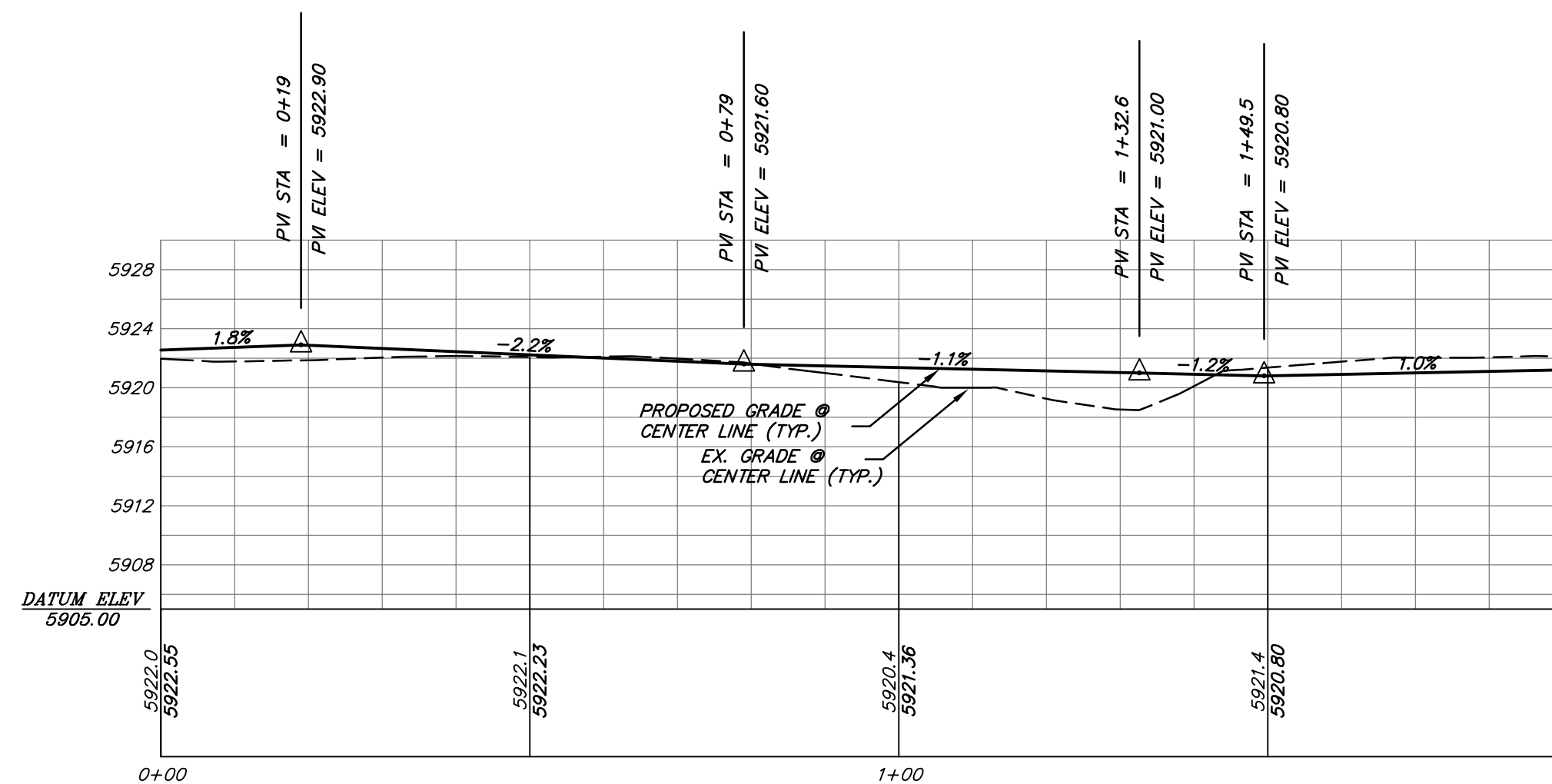
SIDEWALK "E" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



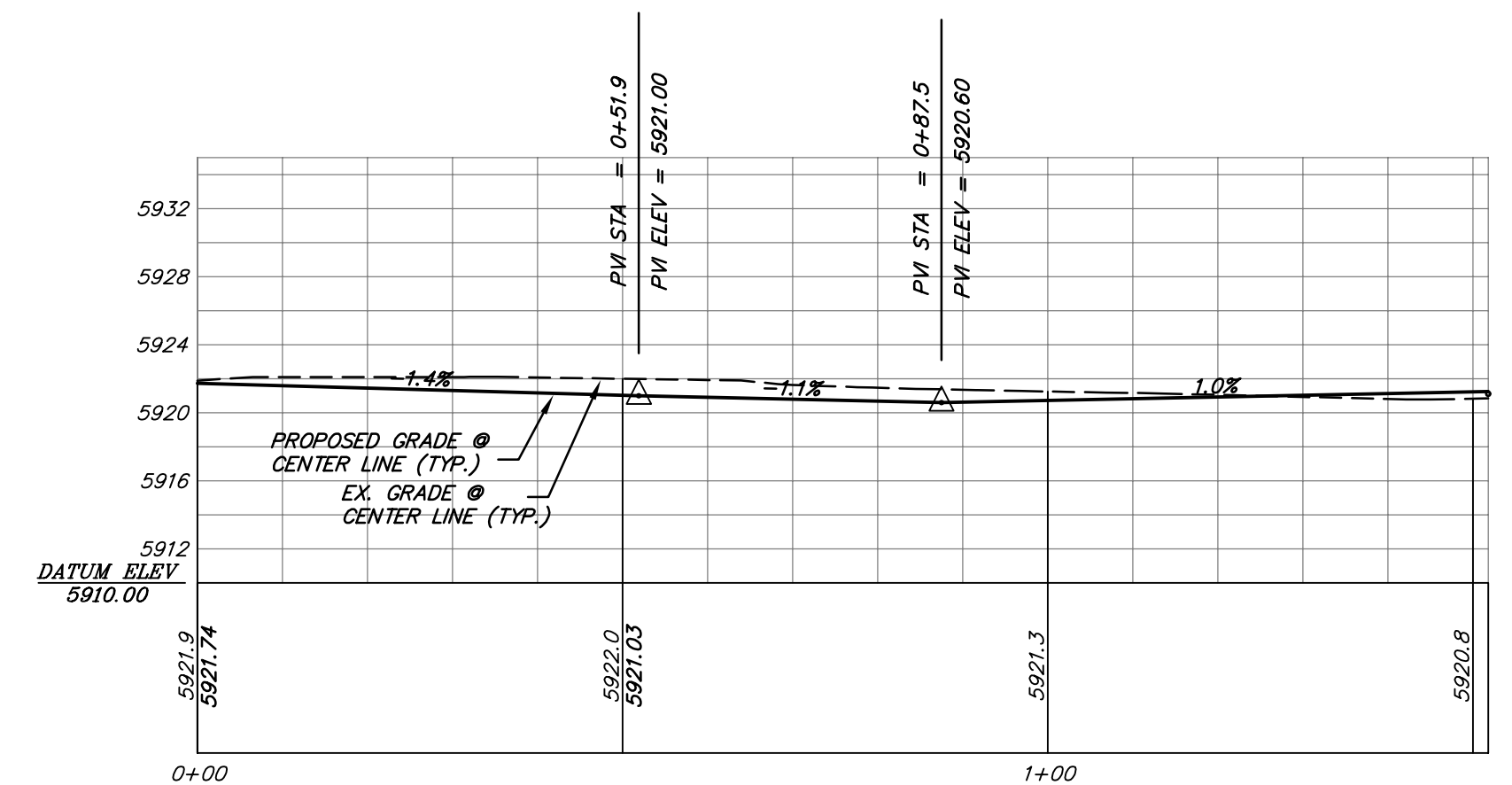
PARKING ACCESS AND PARKING LOT CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



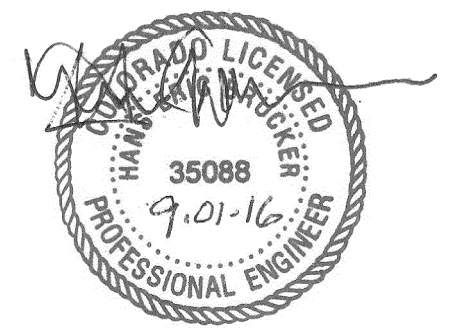
SIDEWALK "F" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



SIDEWALK "G" CENTER LINE PROFILE

SCALE: H : 1" = 20'
V : 1" = 10'



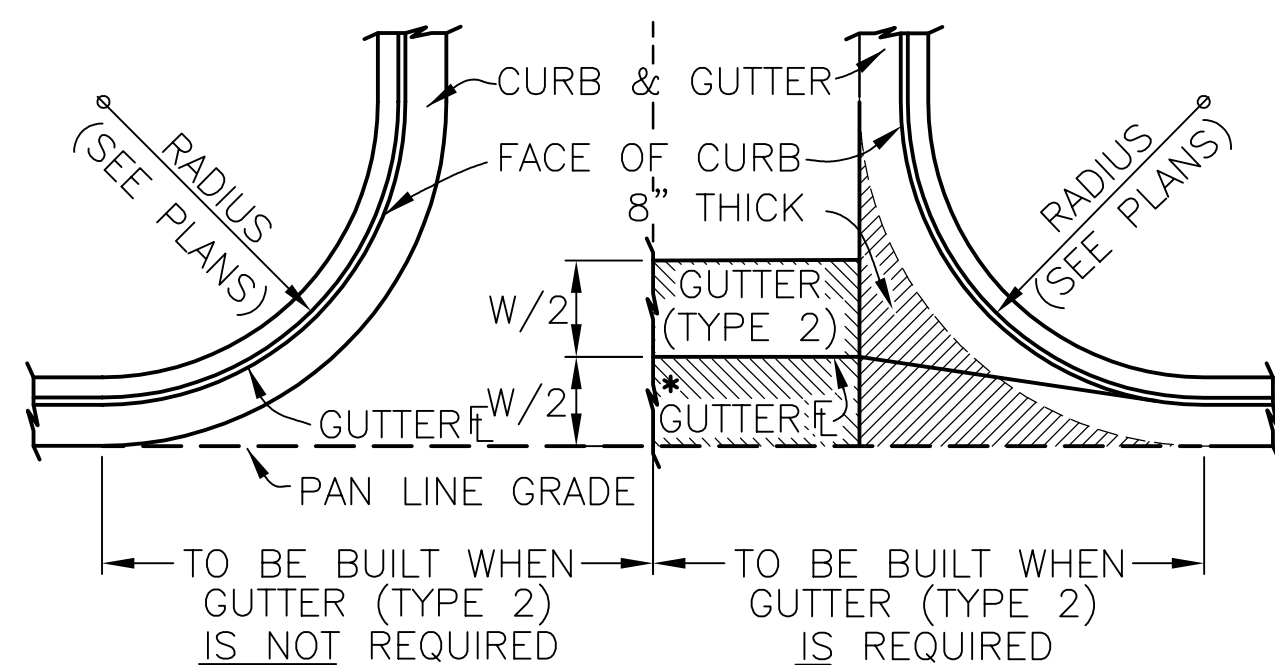
DRAWN BY:	H.E.B.	REVIEWED BY:	
CHECKED BY:	H.E.B.	DATE:	FOR

PINNACLE DESIGN CONSULTING GROUP, INC.

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CARBONDALE, CO 81623 • (970) 963-2170

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS COMMENTS	H.E.B.	H.E.B.
2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.
3	8-12-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.
4	9-01-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.

ASPEN BUILT HOMES	GLENWOOD SPRINGS, COLORADO	SCALE: Horz: 1" = 20' Vert: 1" = 10'	Project No: 2016.06
CARDIFF GLEN GRAND RIVER PARK AND LOT 95 SIDEWALK AND PARKING ACCESS/LOT PROFILES		DATE: 9-01-16	SHEET NO: C9



THIS AREA SHALL BE POURED MONOLITHICALLY WITH CURB AND GUTTER AND PAID FOR AS "CONCRETE PAVEMENT."

*FLOW LINE LOCATION WILL BE ESTABLISHED BY W/2 SHOWN ON PLANS.

*VALLEY PAN TO SLOPE TO (FLOWLINE AT 1"/FT. (DEPRESS 2" AT INTERSECTIONS).

CONSTRUCTION OF CONCRETE GUTTERS AT INTERSECTION

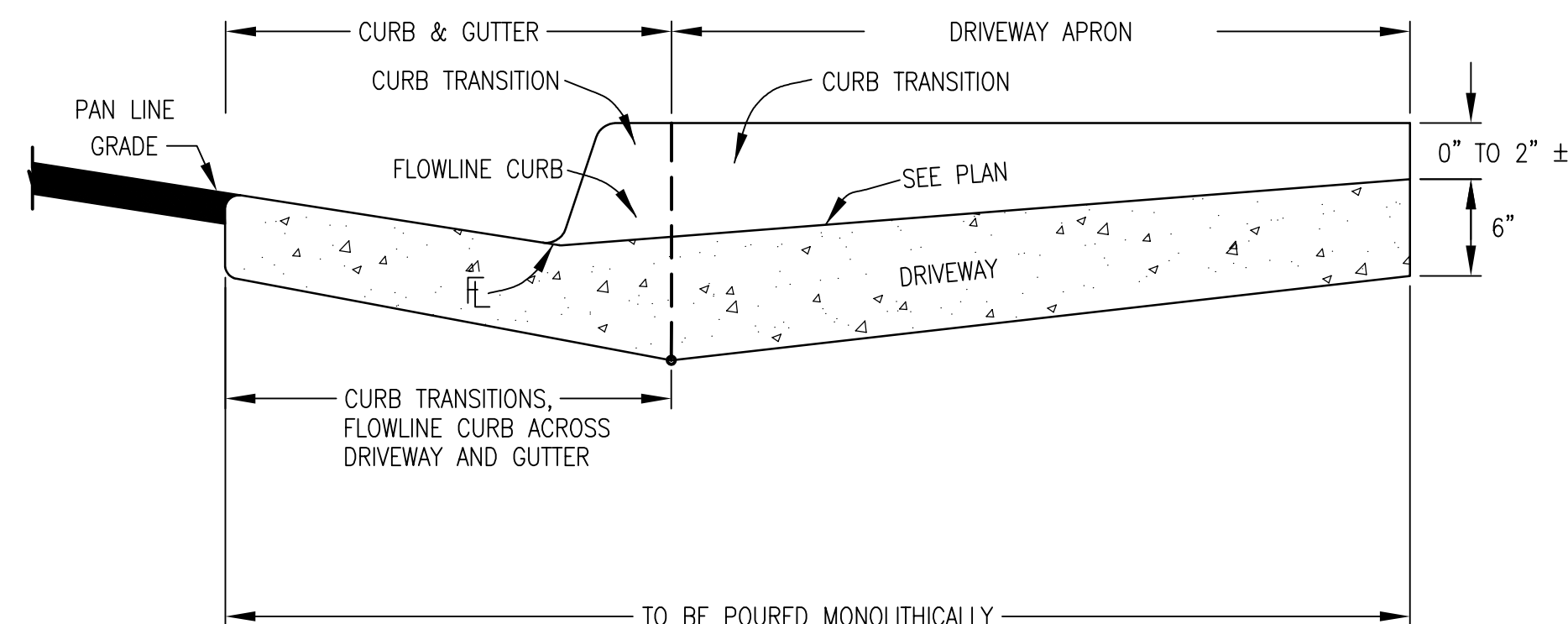
GENERAL NOTES

ON CURVES 3' OR LESS, CURBS AND/OR GUTTERS ARE TO BE PLACED ON THE ARC OF THE CURVE UNLESS OTHERWISE NOTED ON THE PLANS. A MAXIMUM CHORD LENGTH OF 10 FEET MAY BE USED WHEN THE CURVE IS LESS THEN 3'.

EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.

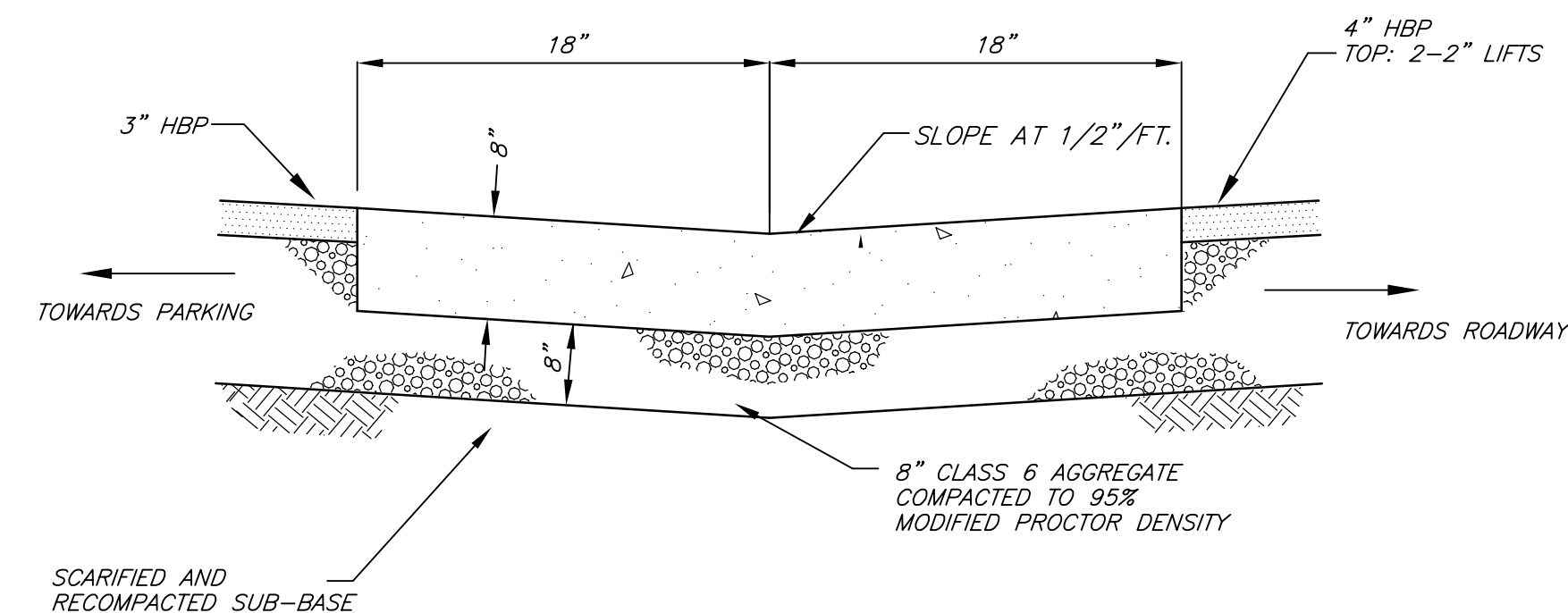
CONCRETE SHALL BE IN ACCORDANCE WITH NOTE #10 SHEET C1.

① — GUTTER CROSS SLOPES SHALL BE 0.04 FT/FT WHEN DRAINING AWAY FROM CURB AND 0.08 FT/FT WHEN DRAINING TOWARD CURB.



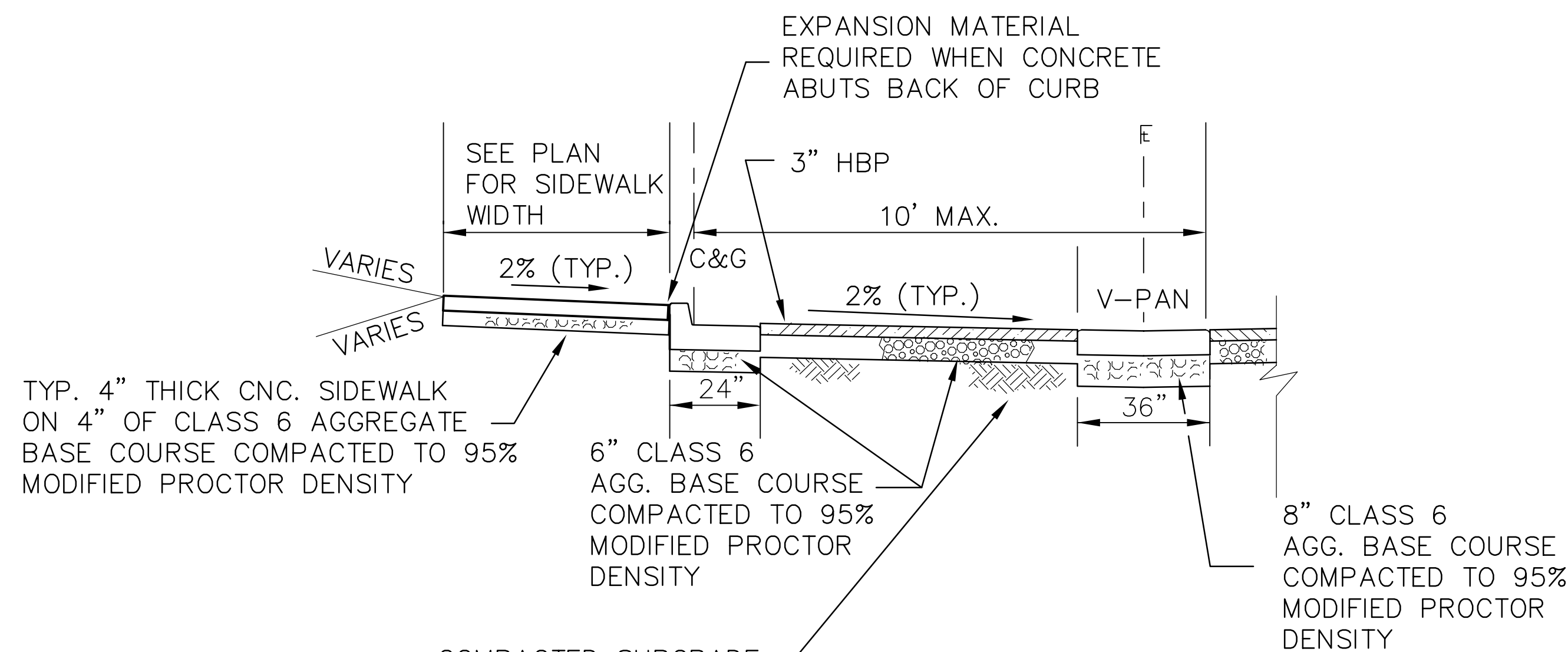
ACCESS DRIVE CURB-CUT SECTION
N.T.S.

CONSTRUCT ON 6" OF CLASS 6" AGGREGATE BASE COURSE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY

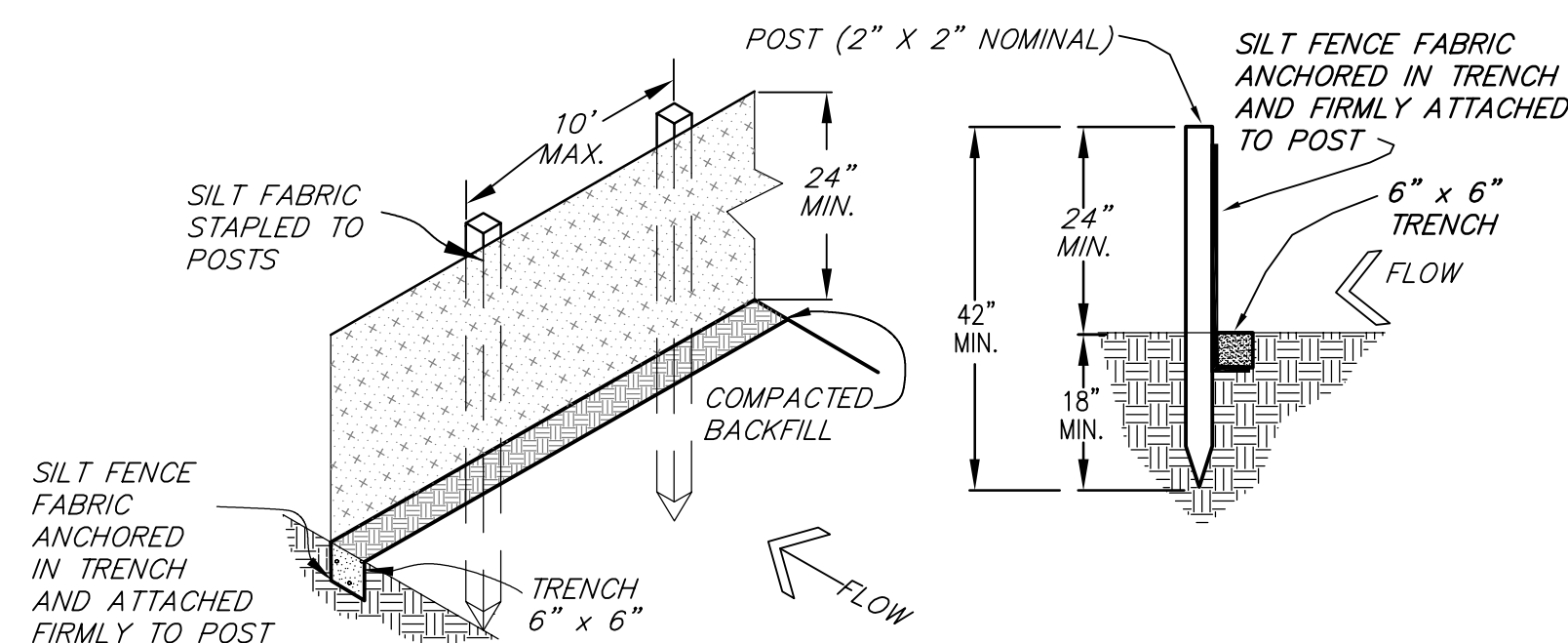


TYPICAL VALLEY PAN SECTION
N.T.S.

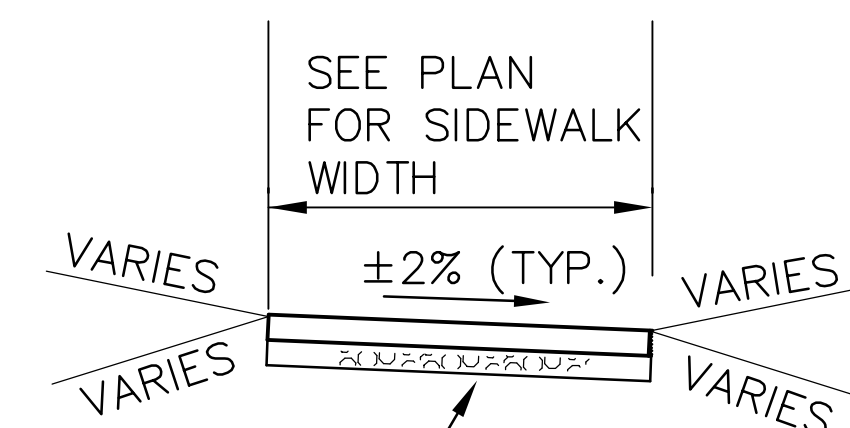
LEGEND FOR RADII	
A = 1/8' TO 1/4"	
B = 1"	
C = 1 1/2"	
D = 1 1/2" TO 2"	



DRIVE AND PARKING AREA SECTION
N.T.S.



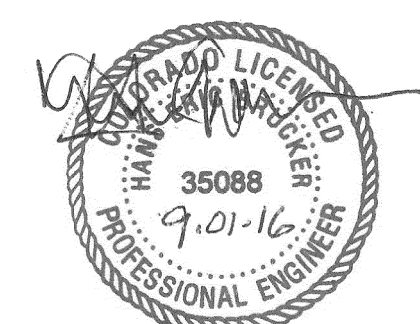
SILT FENCE
N.T.S.



TYP. 4" THICK CNC. SIDEWALK ON 4" OF CLASS 6 AGGREGATE BASE COURSE COMPACTED TO 95% MODIFIED PROCTOR DENSITY

NOTE:
IF SUB-BASE SOIL MATRIX IS FOUND TO BE NON-STRUCTURAL, CONTRACTOR SHALL SUB-EXCAVATE NON-SUITABLE SOILS AND PLACE COMPACTED STRUCTURAL FILL BELOW CLASS 6 BASE COURSE LAYER.

TYPICAL SIDEWALK SECTION
N.T.S.



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CHECKED BY: H.E.B.				1	7-21-16	REVISED TO RESPOND CITY OF GLENWOOD SPRINGS COMMENTS	H.E.B.	H.E.B.	CARDIFF GLEN GRAND RIVER PARK AND LOT 95 TYPICAL SECTIONS AND DETAILS			SHEET NO: C10		
				2	7-29-16	ADDED BUILDING PERMIT CONDITION NOTES	H.E.B.	H.E.B.						
				3	8-12-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.						
		4	9-01-16	ADDRESSED FINAL CITY OF GLENWOOD COMMENTS	H.E.B.	H.E.B.								

Solstice Townhomes Building 1

Glenwood Springs, Colorado

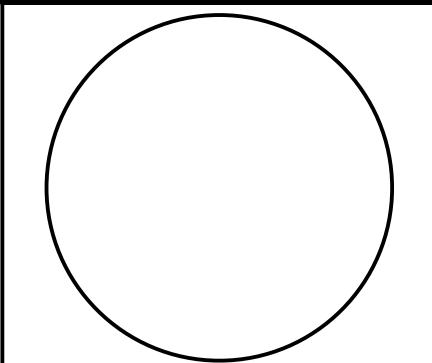
LOT 95

• COLORADO STRUCTURAL, INC. •

315 Bellview, Unit F
P.O. Box 2544
Crested Butte, CO 81224

P-970.349.5922 F-970.349.5926

www.ColoradoStructural.com



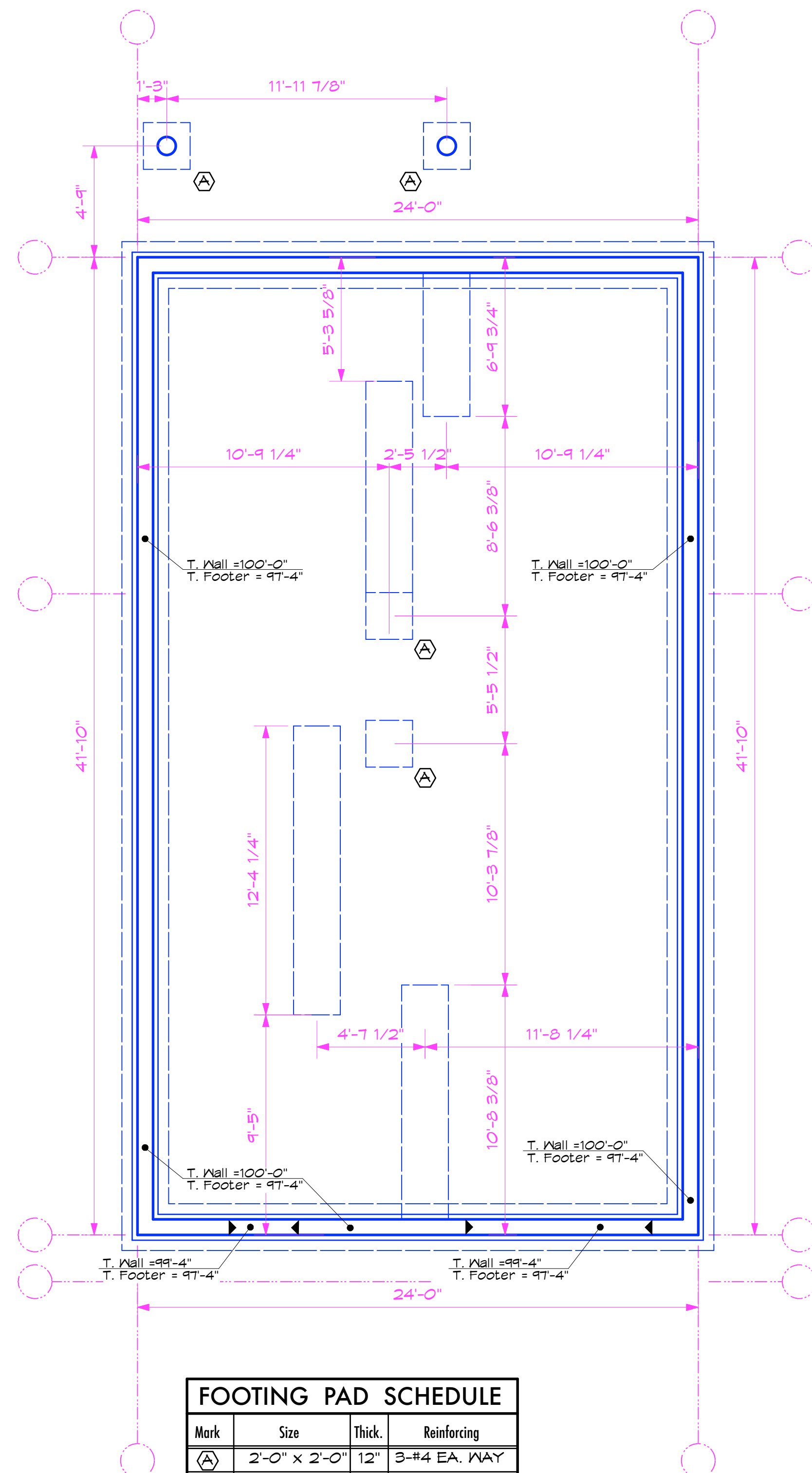
• DATE • • ISSUED FOR •

8/6/18 Preliminary Sizing Set

Project # 18-177

Drawn By G. Heller

Checked By M. Arbaney

FOUNDATION
& FRAMING PLANS**S1.1**

Notes:

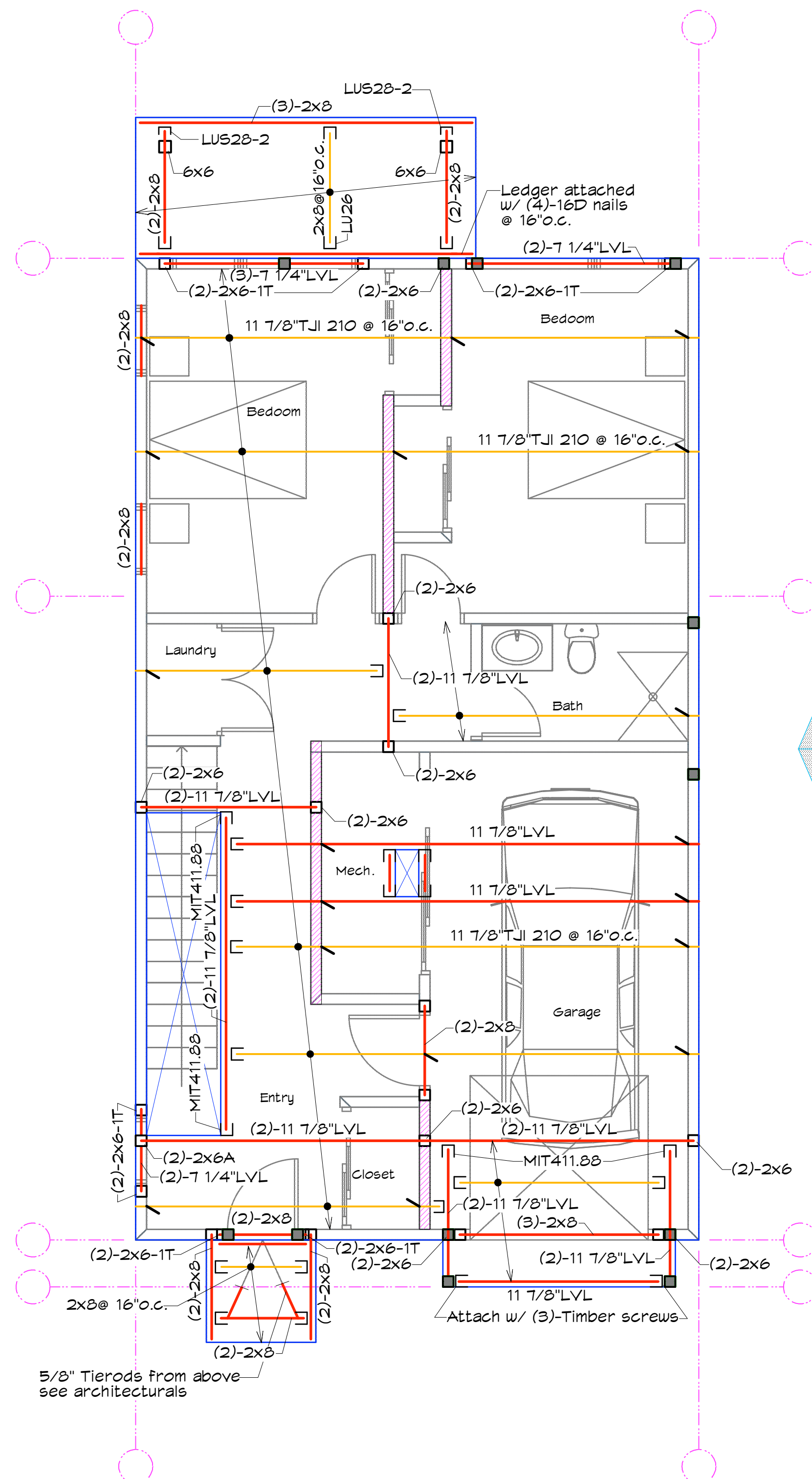
- All footings are to be a minimum of 36" below grade
- All dimensions and elevations are to be verified with the contractor / architect prior to construction. Dimensions are to face of concrete which lines up with face of stud above.
- All columns are called out on the floor plans above and are to be tracked thru to the foundation

Legend:

Top of wall elevation
T.O.W. XX'-X"
Top of footing elevation
T.O.F. XX'-X"
Outline of footer
Outline of IFC
Outline of wall
Wall elevation change- points from high to low
Footing elevation change- points from high to low

FOUNDATION PLAN

1/4" = 1'-0"

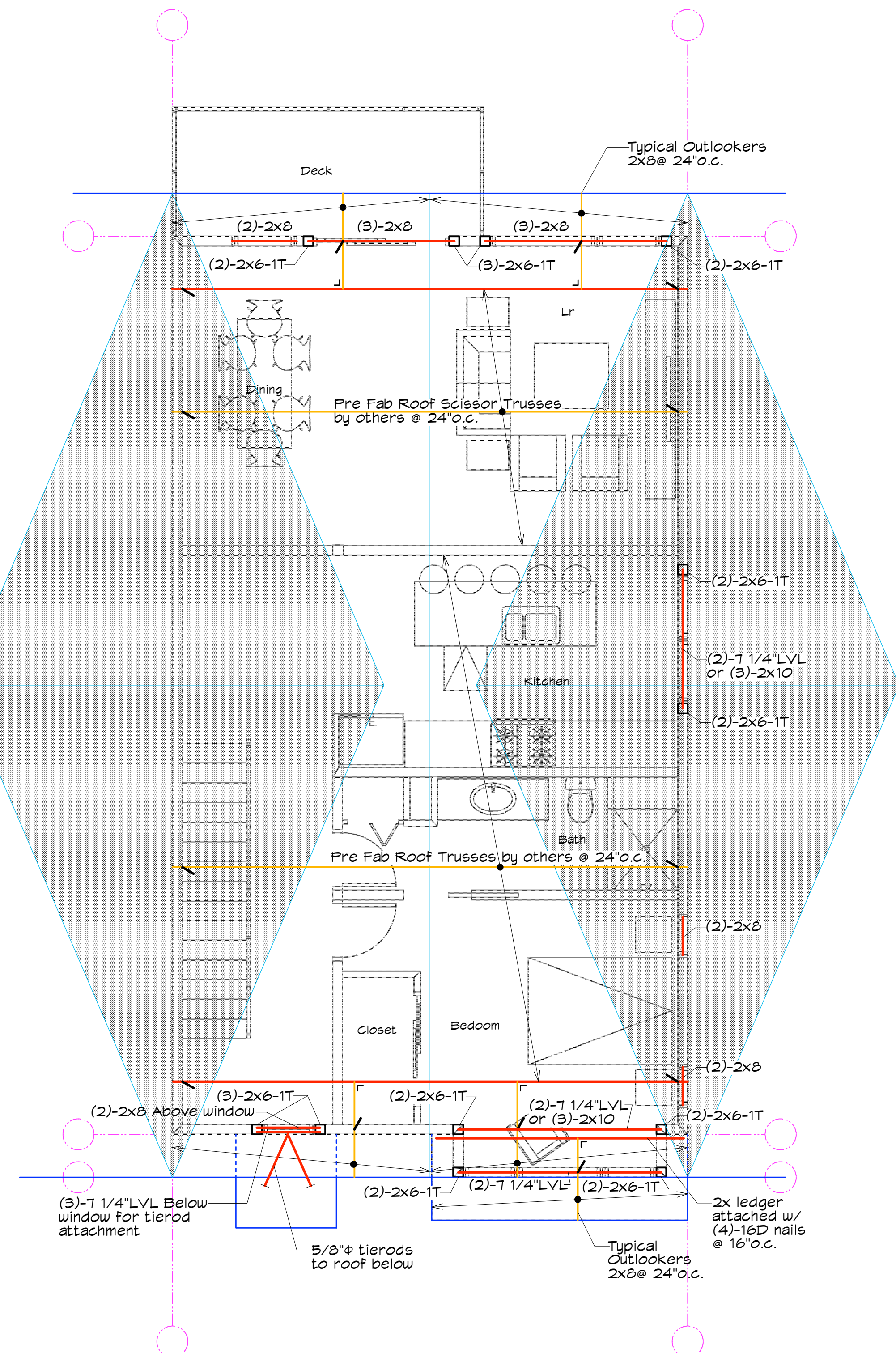


Notes:

- Headers not called out on plans are to be (2)-2x8 min.
 - Columns not called out on plans are to be (1)-2x6, or (2)-2x4
 - Attach 2x deck joists with Simpson LU26 hangers
 - For TJI 210 joists use IT52.11/11.88 top flange hangers, or IUS2.06/11.88 face mount hangers
- Interior bearing wall
Column below
Column above
Column above & below

LEVEL 1 FRAMING PLAN

1/4" = 1'-0"



Notes:

- Headers not called out on plans are to be (2)-2x8 min.
- Columns not called out on plans are to be (1)-2x6, or (2)-2x4
- Attach all Trusses to top plate with Simpson H2.5A clips.
- Shaded areas represent overframing. Support overframing off trusses @ 48" o.c. each way

Interior bearing wall
Column below
Column above
Column above & below

ROOF FRAMING PLAN

1/4" = 1'-0"

1
S1.1**2**
S1.1**3**
S1.1



Solstice Townhomes Building A

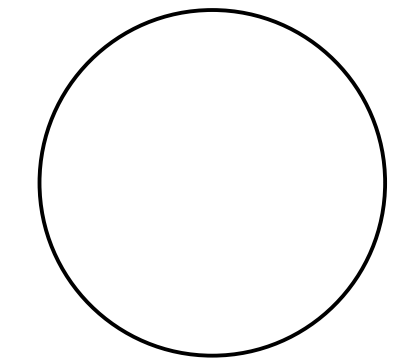
Glenwood Springs, Colorado

• COLORADO STRUCTURAL, INC. •

315 Bellview, Unit F
P.O. Box 2544
Crested Butte, CO 81224

P-970.349.5922 F-970.349.5926

www.ColoradoStructural.com



• DATE • 8/7/18
• ISSUED FOR • Preliminary Sizing Set

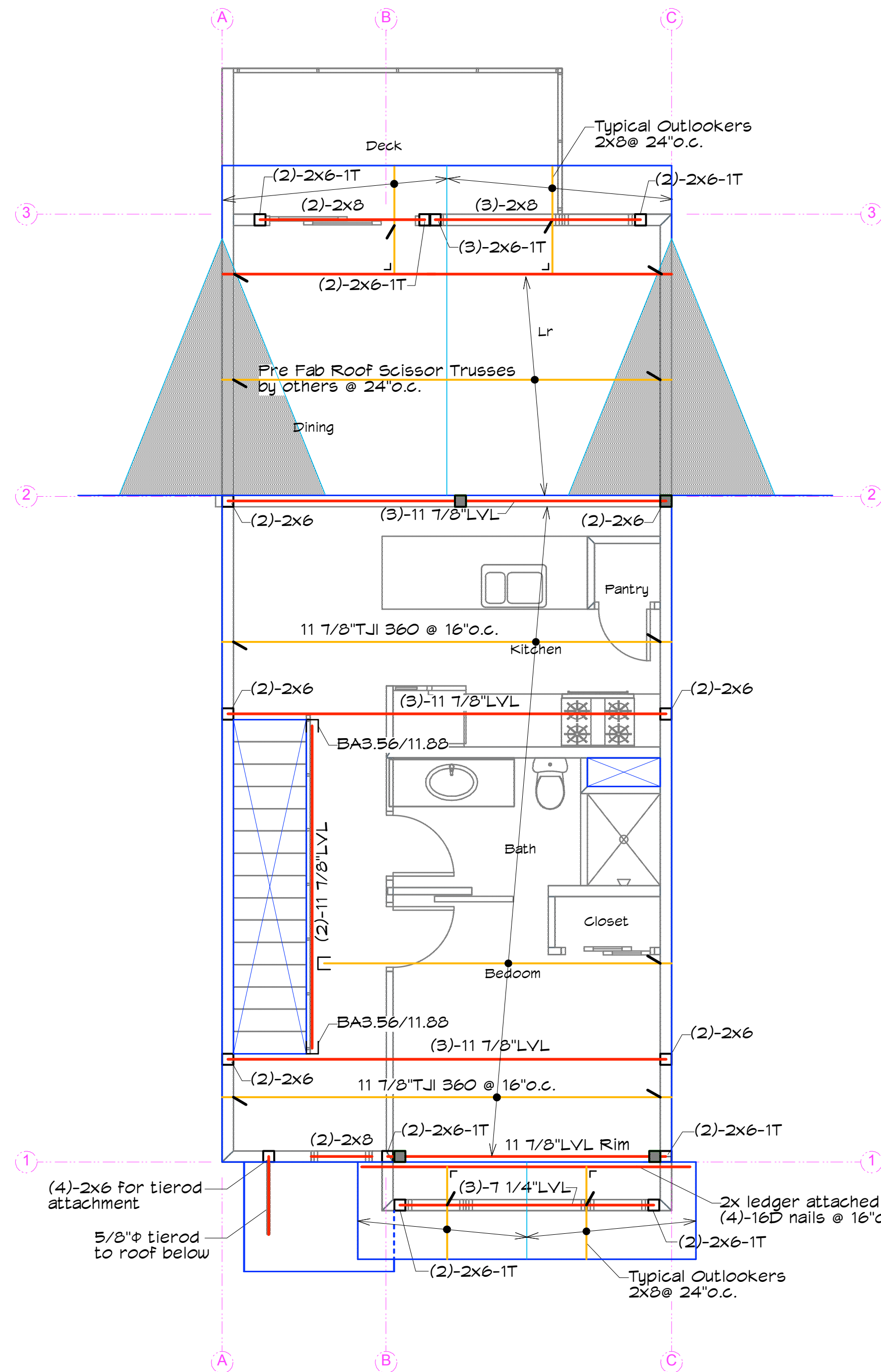
Project # 18-177

Drawn By G. Heller

Checked By M. Arbaney

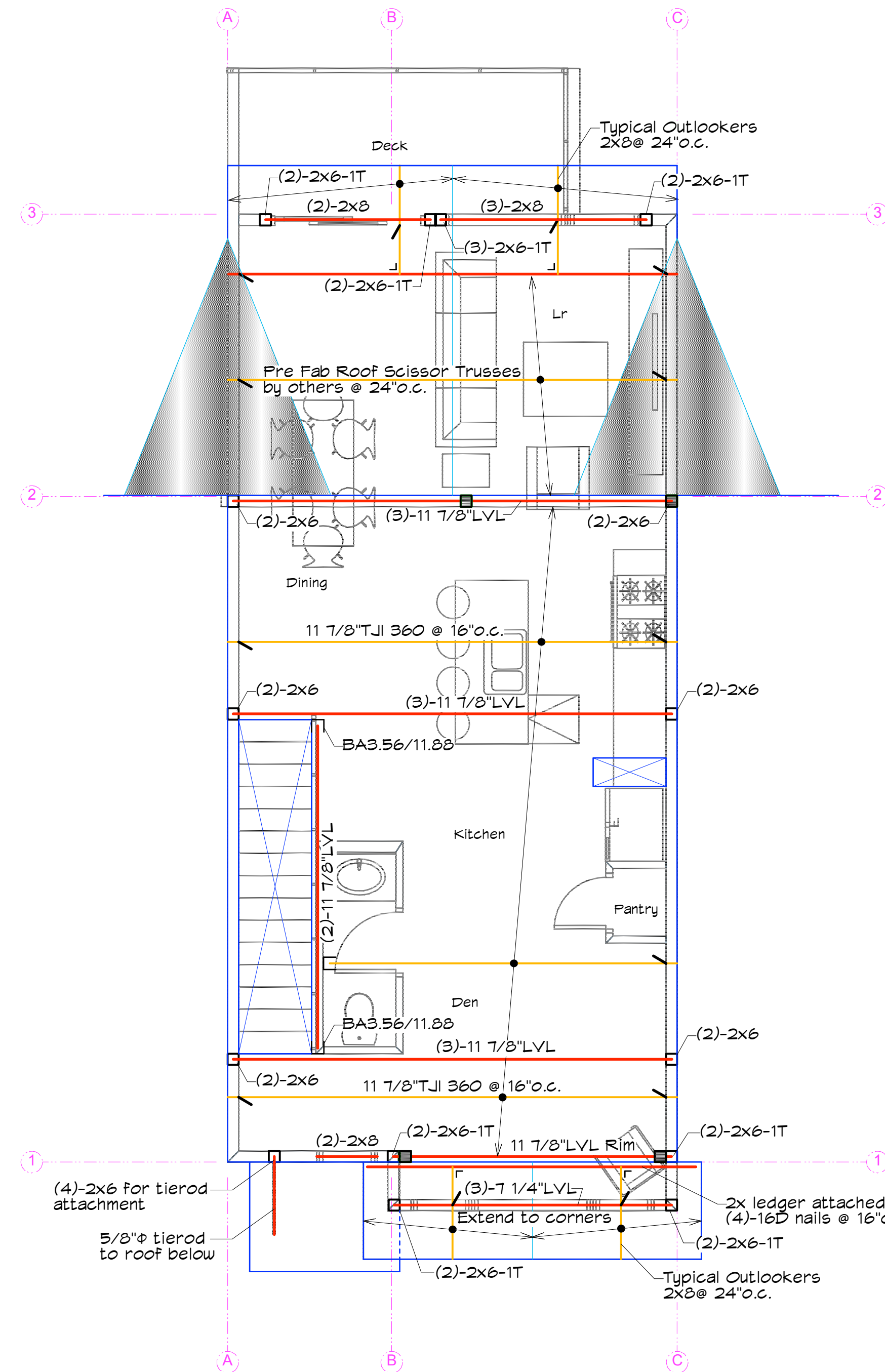
LEVEL 2 FLOOR &
ROOF FRAMING PLAN

S1.2

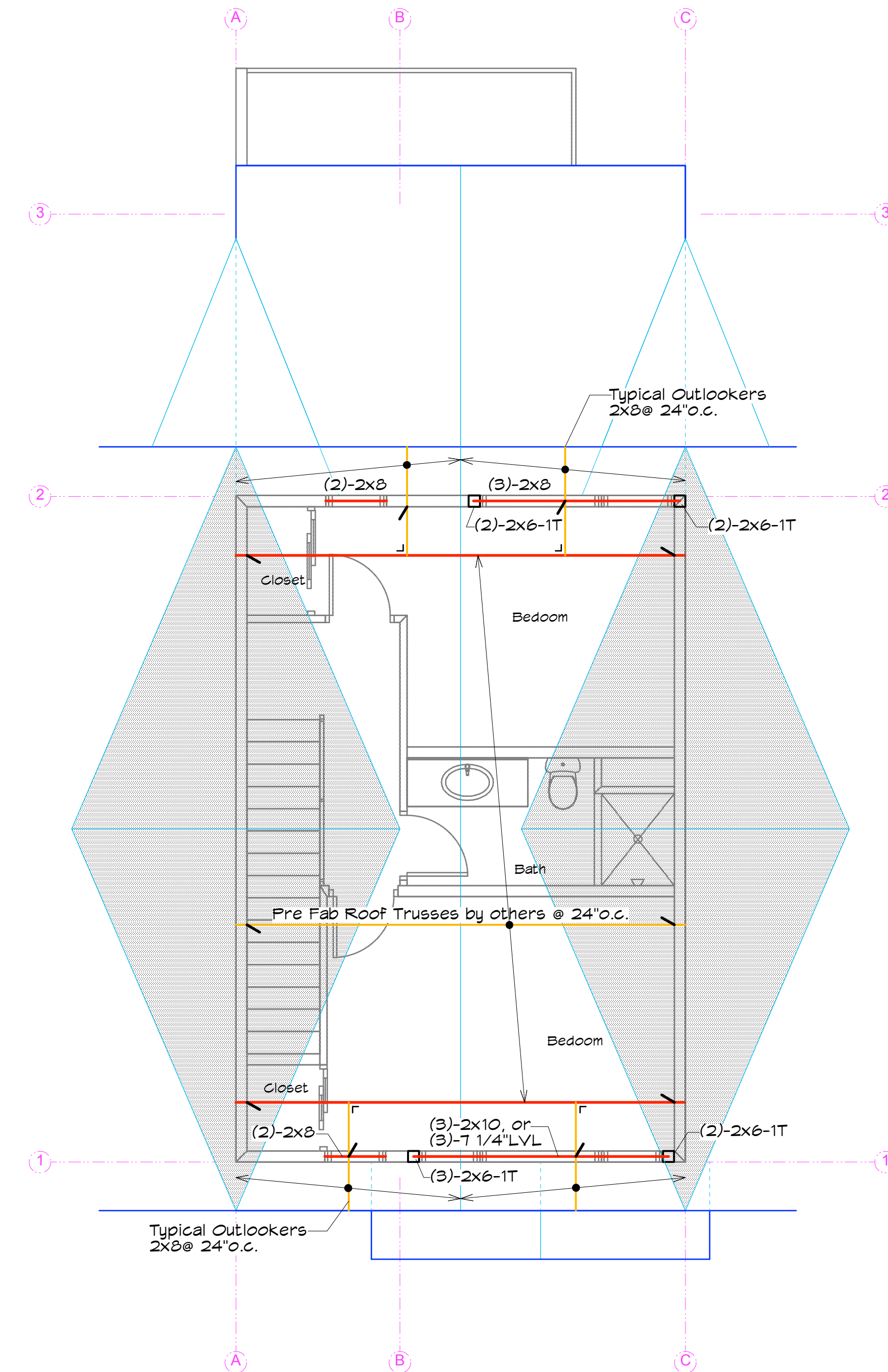


OPTION#1

1 **S1.2** LEVEL 2 FLOOR OPTIONS & LOWER ROOF FRAMING PLANS
1/4" = 1'-0"



OPTION#2



2 **S1.2** UPPER ROOF FRAMING PLAN
1/4" = 1'-0"



LAND USE APPLICATION

City of Glenwood Springs
Economic and Community Development
101 West 8th Street
Glenwood Springs, CO 81601
970-384-6411

<u>Planning and Zoning Commission/City Council Applications:</u>		<u>Planning and Zoning Commission Only Applications:</u>	
Major Development Permit	☒	Special Use Permit	☐
Major Subdivision	☒	Minor Development Permit	☐
Rezoning	☐	Minor Subdivision/Condominiumization/Lot Boundary Adjustment	☐
Planned Unit Development	☐	Location and Extent Review	☐
Condominiumization	☐	Appeal of Staff Interpretation/Decision	☐
Annexation	☐	Variance (zoning or design)	☐
Land Development Code Amendment	☐	Off Premise Sign Permit	☐
Street Vacation	☐	Sign Variance	☐

<u>City Council Only Applications:</u>	<u>Staff Review Only:</u>
Appeal of Planning and Zoning Commission Decision	Lot Boundary Adjustment
Street Vacation	
License to Encroach License	

<u>Applicant/Property Owner Information:</u>			
Applicant <u>CARDIFF 96 L.L.C.</u>		Owner <u>SAME</u>	
Relationship to Owner <u>OWNER</u>		Owner <u>SAME</u>	
Applicant Address <u>110 SPUR DR. GLEN. SPRGS. CO. 81601</u>		Owner Address <u>SAME</u>	
<u>970</u>	<u>abdicaspennbuilt.net</u>		
Phone <u>618-3555</u>	Email Address	Phone <u>SAME</u>	Email Address <u>SAME</u>

<u>Property Information:</u>	
Address <u>NO STREET NUMBER OR P.O. ADDRESS</u>	Parcel Number
<u>YET ASSIGNED</u>	
Subdivision <u>CARDIFF GLEN P.U.D.</u>	Lot and Block Number <u>Lot 95 + 96</u>
Zone District <u>MULTI FAMILY</u>	Existing Land Use <u>UNIMPROVED MULTI FAMILY</u>

<u>General Project Description:</u>
<u>PLEASE SEE ATTACHED</u>

<u>Signatures:</u>		
The owner or applicant must be present at the hearing. All public hearings must be properly noticed according to G.S.M.C. Section 070.010.030. Signatures of all owners of the property must appear before the application is accepted. Partnerships or corporations may have the authorized general partner or corporate officer sign the application. (Attach additional incorporation documents if necessary.) I declare under the penalty of perjury that the above information is true and correct to the best of my knowledge.	 Applicant	<u>6/28/18</u> Date
	 Owner	<u>6/28/18</u> Date
	Owner	Date
	Owner	Date

PRELIMINARY PLAT SUBMITTAL

CARDIFF GLEN P.U.D.

SOLSTICE TOWNHOME NEIGHBORHOOD

OCTOBER 22ND, 2018

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NOTE: TO AVOID DUPLICATION, REDUNDANCY AND IN CONSIDERATION OF OUR ENVIRONMENT...DOCUMENTS REQUIRED ON MORE THAN ONE CHECKLIST HAVE NOT BEEN UNNECESSARILY REPRODUCED.

**CARDIFF GLEN LOTS 95 AND 96 A.K.A – SOLSTICE TOWNHOMES PROJECT AND
PARKLAND NARRATIVE (REVISED (3) 11/06/18-IKH)**

SUBMITTED BY CARDIFF 96 LLC

LAND – THE SUBJECT LAND CONSISTS OF EXISTING LOTS 95 AND 96 WITHIN THE EXISTING, MOSTLY DEVELOPED CARDIFF GLEN PLANNED UNIT DEVELOPMENT (PUD) LOT 95 IS 0.904 +/- ACRES. LOT 96 IS 1.603 +/- ACRES.

AS PER PREVIOUSLY PROCESSED AND APPROVED ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT, LOT 95, WHICH IS APPROXIMATELY 39,378 SQUARE FEET, WILL BE PROCESSED AS A PRELIMINARY PLAT DIVIDING THE 39,378 SQUARE FEET PARCEL INTO A NEW TRACT J, ON THE NORTHERLY PORTION, WHICH WILL COMPRISE OF APPROXIMATELY 22,000 SQUARE FEET TO PROVIDE FOR THE NEW SPIRIT MOUNTAIN PARK. THE EXHIBITS TO ORDINANCE 20 AND THE SUBDIVISION IMPROVEMENTS AGREEMENT CALL FOR THE DEVELOPER TO CONSTRUCT A NEW PARK ON APPROXIMATELY 19,248 SQUARE FEET OF LAND. THE DEVELOPER WILL EXCEED THIS REQUIREMENT BY PROVIDING APPROXIMATELY 22,000 SQUARE FEET FOR THIS PURPOSE. THIS LEAVES APPROXIMATELY 17,378 SQUARE FEET FOR THE 4 DWELLING UNITS PROVIDED FOR IN ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT.

THE REMAINING LAND AND DWELLING UNITS WILL BE PROCESSED THRU THE MAJOR SUBDIVISION/DEVELOPMENT PLAN AND PLAT APPROVAL AND CONDOMINIUM MAPPING PROCESS. THE LOT 96 PARCEL WHICH IS 1.603 ACRES WILL BE INCLUDED IN THIS PROCESS. THERE WILL BE 25, FOR A TOTAL OF 29 ON BOTH LOTS 95 AND 96, DWELLING UNITS INCLUDED AS PER ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT. THE TOTAL AND PREVIOUSLY APPROVED PUD DENSITY IS NOT EXCEEDED.

ACCESS – THE ACCESS ROAD TO THE LOT 95 FOUR DWELLING UNITS AND THE NEW SPIRIT MOUNTAIN PARK WILL BE OWNED AND MAINTAINED BY THE SOLSTICE TOWNHOME OWNERS ASSOCIATION (STOA).

THERE WILL BE A PLATTED AND DESCRIBED EASEMENT TO THE SPIRIT MOUNTAIN PARK PARKING SPACES AND AMENITIES. THE PARKING AREA AND AMENITIES WILL BE DEDICATED TO AND ACCEPTED BY THE CARDIFF GLEN MASTER HOMEOWNERS ASSOCIATION FOR THE BENEFIT AND ENJOYMENT OF ALL CARDIFF GLEN OWNERS AND THEIR GUESTS.

THE ACCESS ROAD TO THE 25 DWELLING UNITS ON LOT 96 WILL ALSO BE OWNED AND OPERATED BY THE STOA. THIS ROAD WILL BE FOR THE BENEFIT OF ONLY STOA MEMBERS AND THEIR GUESTS. THERE WILL BE A DEDICATED, PLATTED AND DESCRIBED, EMERGENCY AND SERVICES AND TEMPORARY CONSTRUCTION ACCESS EASEMENT ON LOT 96 WHICH TIES IN TO RIPPLE LANE.

DWELLING UNITS – LOT 95 WILL PROVIDE FOR FOUR, 2 LEVEL TOWNHOMES. THIS APPROVED, ALLOWABLE DENSITY IS STIPULATED IN ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT. THIS HEIGHT IS RESTRICTED BY THE AVIATION HAZARD EASEMENT. THESE FOUR UNITS WILL EACH INCLUDE A 3 BEDROOM AND MULTI-PURPOSE LIVING AREA.

THE UNITS WILL BE ACCESSED OFF OF THE EXISTING STOCKTON ROAD THEN OFF OF THE NEW DRAKE PLACE. PARKING WILL BE ONE IN AND ONE OUT. THE LOWER LEVELS WILL CONSIST OF 751 SQUARE FEET OF LIVING SPACE AND A 253 SQUARE FOOT GARAGE. THE TOTAL UNIT SQUARE FOOTAGE ON EACH UNIT, INCLUDING GARAGE, IS PLANNED TO BE APPROXIMATELY 2028 SQUARE FEET.

LOT 96 WILL PROVIDE FOR 25, 3 LEVEL TOWNHOMES. THIS APPROVED, ALLOWABLE DENSITY IS STIPULATED IN ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT. THESE TWENTY-FIVE UNITS WILL EACH BE 3 BEDROOMS, A FOURTH FLEX BEDROOM/RECREATION ROOM AND MULTI-PURPOSE LIVING AREA ON THE UPPER TWO LEVELS. THE UNITS WILL BE ACCESSED OFF OF THE EXISTING CULVER STREET THEN OFF OF THE NEW RIPPLE LANE. PARKING WILL BE ONE IN AND ONE OUT. THERE WILL BE GUEST PARKING PLACED ON THE SOUTH END OF THIS PARCEL.

THE LOWER LEVEL WILL CONSIST OF 505 SQUARE FEET OF LIVING/REC SPACE AND A 220 SQUARE FOOT GARAGE/MECHANICAL AREA. THE SECOND, MAIN LIVING LEVEL WILL CONSIST OF 768 OF LIVING AND BEDROOM SPACE. THE THIRD LIVING LEVEL WILL CONSIST OF 525 FEET OF BEDROOM LIVING SPACE. THE TOTAL UNIT SQUARE FOOTAGE ON EACH UNIT, INCLUDING GARAGE, IS PLANNED TO BE APPROXIMATELY 2018 SQUARE FEET.

IN SUMMARY, THERE WILL BE A SINGLE 4 UNIT TOWNHOME STRUCTURE ON LOT 95. THERE WILL BE A 5, TWO 6'S AND TWO 4 UNIT TOWNHOME STRUCTURES ON LOT 96. THIS FORMS A 29 UNIT TOWNHOME NEIGHBORHOOD.

THE STRUCTURE(S) AND NEIGHBORHOOD WILL BE COMPLIANT WITH INTERNATIONAL BUILDING CODE (IBC) AND THE AMERICAN DISABILITY ACT (ADA) AS DETERMINED, RELATED AND REQUIRED.

THESE UNIT SIZES ARE DIFFERENT, LARGER, THAN SQUARE FOOTAGES CONTEMPLATED IN THE PUD.

OWNERSHIP – ALL UNITS WILL BE SOLD FEE SIMPLE SUBJECT TO THE PLAT AND THE DECLARATION AND ALL INCLUSIONS/ATTACHMENTS. ALL UNITS MAY BE LEASED SUBJECT TO THE DECLARATION.

SOLSTICE TOWNHOME OWNERS ASSOCIATION (STOA) - THERE WILL BE A SINGULAR MASTER ASSOCIATION AND ALL 29 OWNERS IN SOLSTICE WILL BE MEMBERS OF STOA. THEY STOA WILL MAINTAIN AND OPERATE ALL BUILDING EXTERIORS, ROADS, LANDSCAPE, DRAINAGE FACILITIES AND FEATURES, CRAWL SPACE UTILITY AND FIRE SUPPRESSION CORRIDORS AND SYSTEMS, RISER ROOMS, TRAILS, APPURTENANCES, USE, PARKING, SIGNAGE, ACCESS, TRASH, SNOW REMOVAL, ANTENNAE, BURNING, EXTERIOR STORAGE, ANIMALS AND PETS, DECORATIONS, WINDOW COVERINGS, NUISANCES, BARBEQUE GRILLS, UNSIGHTLINESS, LEASES, INSURANCE, CONTRACTS IRRIGATION, L.C.E., USE, MARIJUANA, OVERLOADING, STOA OPEN SPACE ETC.

THE STOA WILL BE CONSISTANT AND COMPLIANT WITH THE STOA GOVERNING DOCUMENTS, RULES AND REGULATIONS.

CARDIFF 96 OBLIGATIONS UNDER ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION IMPROVEMENTS AGREEMENT – THESE PREVIOUSLY PROCESSED AND APPROVED DOCUMENTS PROVIDE THAT THE DEVELOPER PLACE IMPROVEMENTS TO THE EXISTING GRAND RIVER PARK AND CONSTRUCT A

NEW SPIRIT MOUNTAIN PARK. THE ARCHITECTURAL AND ENGINEERED DOCUMENTS CLEARLY DEFINE THE IMPROVEMENTS AND NEW CONSTRUCTION, AND ALL SPECIFICATIONS, HAVE BEEN PREVIOUSLY APPROVED BY THE CITY. ALL IMPROVEMENTS WILL BE INCLUDED IN THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) STORM WATER DISCHARGE PERMIT APPLICATION AND CERTIFICATE.

EXISTING ENTITLEMENTS AND ALLOWABLE USES – THE DOCUMENTS REFERENCED ABOVE PROVIDE FOR 4 DWELLING UNITS ON LOT 95 AND 25 DWELLING UNITS ON LOT 96. THE PLAN SUBMITTED IS ENTIRELY CONSISTENT WITH THE PREVIOUS APPROVALS. THE PLAN SUBMITTED ACTUALLY EXCEEDS THE REQUIRED CARDIFF GLEN ACTIVE OPEN SPACE REQUIREMENT. SEE ABOVE.

VERNACULAR AND DESIGN – THE PREVIOUS VILLAGE HOMES PLAN SHOWED A 35 DWELLING CONDOMINIUM BUILDING ON LOT 96. CARDIFF 96 LLC HAS SUBMITTED 29 UNITS IN 6 TOWNHOME STRUCTURES. ACCESS TO THE DWELLING UNITS IS IDENTICAL TO THE EARLIER PLAN. THERE IS NO ALLEYWAY ON THESE PARCELS, UNLIKE MANY OTHER PLACES WITHIN CARDIFF GLEN. THE DESIGN IS STYLISH, NEIGHBORLY COMPATIBLE, COMPLIMENTARY, VALUE PROTECTIVE, BENEFICIAL, LIVELY, AND WILL BE KNOWN AS SOLSTICE MONTAIGNE.

LANDSCAPE CHARACTER – WATER WISE, LOW MAINTENANCE, VALUE PROTECTIVE, DROUGHT TOLERANT, ATTRACTIVE, ECO-INVITE, BEE AND BUTTERFLY FRIENDLY PLANTINGS WILL ADD DEFINITION TO THE SOLSTICE SENSE OF PLACE. THE CHARACTER WILL CREATE A LANDSCAPE THEME NOW KNOWN AS XERI-MONTAIGNE.

R-3 PUD ZONING – ITS OUR OPINION THAT THE PROPOSED PROJECT IS GUIDED BY ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION AGREEMENT I.E. ALLOWABLE USES, DENSITY AND REQUIREMENTS. HOWEVER, UPON REVIEW OF THE EXISTING R-3 ZONING TEXT FOUND IN SECTION 070.040.020(e) OF THE EXISTING MUNICIPAL CODE, IT APPEARS THE PROJECT IS CONSISTENT AND COMPLIANT TO THAT ZONE TEXT ALSO.

MINOR AMENDMENT REQUEST ITEM(S) PUD R-3 REZONING – THE GENERAL REZONING CRITERIA OF SECTION 070.060.040(A)(3) F.3 REFERENCE THE FOLLOWING:

- I. IN REVIEWING A PROPOSED REZONING, THE PLANNING COMMISSION AND CITY COUNCIL SHALL CONSIDER THAT:
 - A. **THE REZONING IS CONSISTENT WITH THE CITY'S COMPREHENSIVE PLAN, TO EMBRACE EVOLUTION AND ENHANCE OVER TIME, AND, THE PURPOSE OF THIS CODE WHICH IS TO REFLECT CHANGED CONDITIONS OR THE WELFARE OF THE CITY.** EVOLUTION MAY BE FOUND IN DEMOGRAPHICS, MARKET DEMAND AND THE EXISTING LOCAL REAL ESTATE ENVIRONMENT AND MARKET PLACE. IT IS CLEAR THAT THE ROARING FORK VALLEY AND GLENWOOD SPRINGS IS IN NEED OF PRICE POINT ATTAINABLE HOUSING AND LOW TO ZERO MAINTENANCE HIGHER DENSITY MULTI-FAMILY HOUSING. THE SOLSTICE PLAN ACCOMMODATES AND INVITES LIVE, WORK, AND PLAY.
 - B. **THE REZONING IS CONSISTENT WITH THE PROPOSED PURPOSE STATEMENT OF THE PROPOSED ZONING DISTRICT; THE INTENT OF THIS ZONING DISTRICT IS TO PROVIDE FOR HIGHER DENSITY RESIDENTIAL COMPONENT WHICH SERVES AS A FUNCTIONAL AND**

TRANSITIONAL RESIDENTIAL COMPONENT BETWEEN EXISTING HOUSING AND ADJACENT COMMERCIAL/INDUSTRIAL USES. SOLSTICE WILL COMPLETE THE CARDIFF GLEN PUD AS ENVISIONED AND ALSO SERVES AS A TRANSITIONAL NEIGHBORHOOD BETWEEN THE EXISTING CARDIFF GLEN MIXED USE RESIDENTIAL AND THE COMMERCIAL/INDUSTRIAL AND THE AIRPORT TO THE EAST AND SOUTH OF THE PROPOSED NEIGHBORHOOD.

- C. **SUBSTANTIAL CHANGES IN THE SUBJECT AREA WARRANT A ZONING CHANGE;** EXISTING COMPLIANCE AND FULLFILLMENT OF THE CARDIFF GLEN PUD IS NOT ENTIRELY CONSISTANT WITH THE ORIGINAL PUD ENTITLEMENTS AND EXACTIONS. THEREFORE, IT HAS BEEN DUELY PROCESSED AND AGREED UPON TO FOREGO THE ROUNDHOUSE AMENITY PACKAGE AND IN LIEU OF PLACEMENT OF A NEW SPIRIT MOUNTAIN PARK AND IMPROVEMENTS TO THE EXISTING GRAND RIVER PARK. PLEASE REFER TO ORDINANCE 20 AND THE SIXTH AMENDMENT TO THE SUBDIVISION APPROVEMENTS AGREEMENT(S) AND EXHIBITS. THE EXHIBITS GENERALLY AND CONCEPTUALLY REFLECT THE PARK IMPROVEMENTS, BUILDING LOCATIONS, ROAD ALIGNMENT AND SET BACKS. TO FRONT LOAD THE 25 UNITS IN LOT 96 AND THE 4 UNITS OFF OF THE INTERIOR PRIVATE DRIVES SOFTENS ADJACENCY TO NEIGHBORING DWELLING UNITS.
- D. **THE INTENSITY OF DEVELOPMENT IN THE NEW ZONING DISTRICT IS NOT EXPECTED TO CREATE SIGNIFICANTLY ADVERSE IMPACTS TO SURROUNDING PROPERTIES OR THE NEIGHBORHOOD.** THE PROPOSED SOLSTICE NEIGHBORHOOD WILL ACTUALLY BRING ENHANCED, POSITIVE IMPACTS TO THE SURROUNDING PROPERTIES AND THE NEIGHBORHOOD. THE ADJACENT SINGLE-FAMILY HOMES WILL BE NOW SCREENED FROM THE AIRPORT, AVIGATION EASEMENT AND THE COMMERCIAL/INDUSTRIAL USES TO THE SOUTH AND EAST OF THE CARDIFF GLEN PUD BY AN ATTRACTIVE, LANDSCAPED RESIDENTIAL NEIGHBORHOOD. THERE WILL ALSO BE THE ADDED VALUE THAT COINCIDES WITH EXISTING GRAND RIVER PARK IMPROVEMENTS AND CREATION OF A NEW NEIGHBORHOOD PARK.
1. **STREET WIDTH, SIDEWALK WIDTH AND MOWSTRIP** -THE MUNICIPAL CODE CALLS FOR CONCRETE SIDEWALKS EITHER SIDE OF CITY STREETS. WE PLAN TO BUILD THE SPECIFIED, PUD AND CODE WIDTH WALKS ALONG CULVER, CRAWFORD AND STOCTON.

TO ACCOMMODATE THE TURNING POINT ANALYSIS SUPPLIED BY THE FIRE MARSHALL WE ARE REQUESTING SHOWING A 4' CONCRETE WALK IMMEDIATELY ADJACENT TO THE PRIVATE DRIVE RIPPLE LANE IN LOT 96. ALTHOUGH RIPPLE IS A PRIVATE DRIVE, THIS IS STILL CONSIDERED AN AMENDMENT.

WE ARE ALSO PLACING AN EMERGENCY ACCESS EASEMENT AND DRIVE TO THE NEIGHBORHOOD FROM THE AIRPORT PROPERTY TO SUPPORT THIS REQUEST. CONSISTENT WITH THIS AMENDMENT REQUEST IS A 20' ROAD WIDTH IMMEDIATELY ADJACENT TO THE 4' CONCRETE WALK. THE ROAD AND THE WALK WILL BE CONSTRUCTED ON THE SAME COMPACTED, STRUCTURAL, 24' WIDE SUBSURFACE PLATFORM. THE MUNICIPAL CODE CALLS FOR A 22' ROAD.

- 2. SETBACKS** -WE ARE REQUESTING A MINOR AMENDMENT TO SIDE AND REAR YARD SETBECKS ON BUILDINGS 1,2, 5 RELEVANT TO THEIR ADJACENCY TO THE PUBLIC PUD STREETS, CRAWFORD AND CULVER, AND EXISTING RESIDENTIAL SINGLE-FAMILY DETACHED UNITS. THIS IS A SLIGHT AMMENDMENT TO THE R-3 ZONING IN THE CARDIFF GLEN PUD AND FURTER INTERPETATIVE DETERMINATION BY PLANNING STAFF AND TRHE APPLICANT. THE BUILDINGS REAR AND SIDE ELEVATIONS WILL BE 10' FEET FROM THE PROPERTY LINE AND 22 FEET FROM THE TOP BACK OF CURB. ON THE SIDE OF BUILDING 2 THERE WILL BE 12' AND 22' FROM TOP BACK OF CURB.

TO SOFTEN THE SETBACK AMENDMENT, ARCHITECTURAL, FINISH AND LANDSCAPE HAS BEEN ENHANCED TO INSURE A POSITIVE, VALUE PROTECTIVE COMPLETIO OF THE CARDIFF GLEN NEIGHBORHOOD.

- 3. DWELLING UNIT SIZE** -THE PUD REFERENCES MULTI-FAMILY UNITS RANGING FROM 440 SUARE FOOT STUDIO UNITS, LIKELY CONDOMINIUM UNITS, ABOVE THE ORIGINALLY PPROIPOSED MIDLAND COMMERCIAL CENTER, AND UP TO 1250 SQUARE FOOT MULTI-FAMIILY UNITS, NOT INCLUDING GARAGE. THE SOLSTICE TOWN HOMES ARE GENERALLY SPEAKING, APPROXIMATELY 1800 SQUARE FEET, 3 BEDROOM UNITS WITH FLEX CONDITIONED SPACE, NOT INCLUDING THE GARAGE. THEREFORE, AN AMENDNMENT IS HEREBY REQUESTED.
- 4. AMERICAN DISABILIITIES ACT (ADA) COMPLIANCE** - WHILE THE MUNCIPAL CODE APPEARS TO NOT REQUIRE THAT THE FEE SIMPLE TOWNHOMES BE ADA COMPLIANT, WE ARE FURTHER REVIEWING STATE STATUTORY REQUIREMENTS. IT IS UNDERSTOOD FROM THE CITY'S ADA COMPLIANCE REVIEW OUTSOURCE THAT THIS WOULD BE DETERMINED AT THE STRUCTURE BUILDING PERMIT PROCESS PHASE. HOWEVER, IT SHOULD BE NOTED THAT IN NO WAY IS THE APPLICANT REQUESTING A VARIANCE OR AMENDMENT OF ANY KIND IN THIS REGARD WHETHER IT BE WALKWAYS, SITE IMPROVEMENTS, PARKING AREAS OR RESIDENTIAL UNITS. IN FACT, ALL EXTERIOR IMPROVEMENTS ARE NOW SHOWN TO BE ADA COMPLIANT AND IT IS THE RESIDENTIAL COMPONENT WHICH REQUIRES ADDITIONAL REVIEW. ADDITIONALLY, IN CONSIDERATION OF MISSION, INTENT, PLAND AND STATEMENT, SOLSTICE IS EXPPOLRING ADA IN SOME UNITS AS AN ADDDED VALUE ATTRACTION TO THE COMMUNITY AND NEIGHBORHOOD.
- 5. STOA (SOLSTICE TOWNHOME OWNERS ASSOCIATION)** - AS ALSO REFERENCED IN THE SUMMARY OF DEVELOPMENT STANDARDS, THE SOLSTICE NEIGHBORHOOD WILL HAVE ITS OWN PROTECTIVE COVENANTS, BYLAWS, RULES AND REGULATIONS. THIS IS NOT AN AMENDMENT REQUEST, SIMPLY A REFERENCED, COMPLIANCE STATEMENT.
- 6. RAW WATER IRRIGATION SUPPLY** -IT WAS ORIGINALLY ASSSUMED THAT RIGHTED RAW WATER SUPPLY WOULD BE SOURCED BY THE ROARING FORK RIVER. DUE TO WATER QUALITY ISSUES, UNDERSTOOD TO INCLUDE HIGH SALINITY AND ALKALINITY, RAW WATER WOULD NOT SUPPORT PLACED LANDSCAPE. AS A RESULT, THE EXISTING IRRIGATION SOURCE FOR THE ENTIRITY OF THE CARDIFFF GLEN PUD IS GLENWOOD SPRINGS POTABLE WATER. SUPPLY AND DISTRIBUTION MATTERS ARE UNDER INVESTIGATION BY THE CITY. IN

CONSIDERAION OF THIS MATTER IT NEEDS TO BE DISCLOSED THAT IRRIGATION WATER WILL BE SOURCED BY THE EXISTING CARDIFF GLEN PUD IRRIGATION MAINS AND CITY POTABLE WATER. IT SHOULD BE NOTED THAT THE SOLSTICE LANDSCAPE PLAN REFLECTS MINIMUM INTENSIVE LANDSCAPE, IS CONSISTENT WITH THE CODE AND PUD, AND IS DROUGHT TOLERANT, WATER CONSERVATION CONSIDERATE, AND ALSO ATTRACTIVE WHICH RESULTS IN LESSER WATER USAGE AND ON GOING VVALUE PROTECTIVE MAINTENANCE REQUIREMENTS.

PRELIMINARY PLAT CRITERIA:

1. **PLANNING APPLICATION** – INCLUDED/PREVIOUSLY SUBMITTED
2. **OWNERSHIP** – INCLUDED/PREVIOUSLY SUBMITTED
3. **PUBLIC NOTICING** – INCLUDED/PREVIOUSLY SUBMITTED
4. **NEIGHBORHOOD MEETING** – INCLUDED/PREVIOUSLY SUBMITTED
5. **VARIANCE OR ADMINISTRATIVE ADJUSTMENT REQUEST** – SEE ABOVE
6. **ENGINEERING REPORTS** – INCLUDED/PREVIOUSLY SUBMITTED
7. **PLAT** – SHOWN
8. **COVENANTS & DECLARATIONS AND HOA BY-LAWS, DRAFT** – INCLUDED AND SUBMITTED AS REVISED
9. **MAINTENANCE AGREEMENTS, DRAFT** – INCLUDED/PREVIOUSLY SUBMITTED
10. **EASEMENTS** – SHOWN
11. **FEES** – PAID IN FULL

EXISTING CONDITIONS MAPPING – ITEMS BELOW ARE SHOWN UNLESS OTHERWISE NOTED

1. **TOPOGRAPHY** – SHOWN, SEE GRADING PLAN FOR EXISTING AND PROPOSED
2. **UTILITIES** - EXISTING SHOWN ON MAP, PROPOSED SHOWN ON CIVIL UTILITY PLAN
3. **VEGETATION** - SAGE BRUSH, FRUIT TREES, ELM TREES AND NATIVE GRASSES
4. **ADJACENCY** – CARDIFF GLEN SINGLE FAMILY DETACHED, ATTACHED, DUPLEX TO THE WEST AND SOUTH. COMMERCIAL, INDUSUTRIAL AND AIRPORT TO THE EAST. UNIMPROVED OPEN SPACE TO THE NORTH.
5. **ACCESS** - VIA CARDIFF GLEN PUD PUBLIC STREETS AND SOLSTICE PRIVATE DRIVES. EMS AND SERVICE ALSO THROUGH PROPOSED, PAVED, EMS AND SERVICE ACCESS EASEMENT IN SOLSTICE NEIGHBORHOOD
6. **GEOLOGIC FORMATIONS** – TYPICAL GLACIAL SAND, GRAVELS, PIT-RUN
7. **EXISTING CONDITIONS AND DEMILITION**
8. **STREET LIGHTING** – SHOWN ON MAP, NO ADDITIONAL STREET LIGHTING PLANNED, LOW IMPACT NIGHT SKY ON PRIVATE DRIVE, NO MEANINGFUL PRESENCE OF EAGLE VALLEY EVAPORITE OR MAROON FORMATION
9. **LANDSCAPE LIGHTING** -
10. **STREET AND ACCESS SIGNAGE** -
11. **WATER COURSES/WATER BODIES** – NONE, RETENTION DRAINAGE SHOWN ON GRADING AND DRAINAGE PLAN

STORMWATER AND INCIDENTAL DRAINAGE SYSTEM AND APPURTENANCES – VALLEY PANS, SWALES, CATCH BASINS, CURB AND GUTTER AND RETENTION/DETENTION SHOWN ON DRAINAGE PLAN. LOTS 95 AND 96 WILL TYPICAL DRAIN FROM THE NORTH SOUTH MID POINT TO THE EXISTING CURB AND GUTTER, CATCH BASIN, DISCHARGE SYSTEM PLACED PREVIOUSLY. THE EASTERLY PORTION OF BOTH SITE AND SPIRIT MOUNTAIN PARK WILL DRAIN TO TWO PROPOSED STORM WATER RETENTION/DETENTION LOCATIONS SHOWN ON THE DRAINAGE PLAN. ONCE THESE LOCATION ARE VERIFIED BY CITY ENGINEERING DEPARTMENTAL REVIEW, PERCOLATION TESTS WILL BE FURTHER PERFORMED. ALL IMPROVEMENTS WILL BE INCLUDED IN THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) STORM WATER DISCHARGE PERMIT APPLICATION AND CERTIFICATE. A COMPLIANCE BINDER WILL BE RETAINED AND MANGED TO ON SITE. PERIODIC INSPECTION AND EPORTING SHALL OCCUR AS DETERMINED BY THHE CDPHE PERMIT AND CERTIFICATE AND STATED BEST MANAGEMENT PRACTICES.

UTILITY CAN AND WILL SERVE LETTERS -AS PROVIDED, CITY WATER AND SEWER MAINS ARE ADJACENT TO SITE AND SERVICE MAINS ARE TO THE PROPERTY. SHALLOW UTILITY SERVICES (CATV, ELECTRICITY, NATURAL GAS AND TELECOMMUNICATIONS) ARE STUBBED TO THE SITE. PLEASE SEE THE PROPOSED UTILITY PLAN AS PROVIDED BY THE CIVIL ENGINEER, GLENWOOD SPRINGS ELECTRIC, AND BLACK HILLS ENERRGY

LANDSCAPE IRRIGATION – UPON CONSULTATION WITH THE MANAGERS FOR CARDIFF I AND CARDIFF II, THE LANDSCAPE MAINTENANCE SERVICE PROVIDER AND THE CITY WATER/WASTEWATER DEPARTMENT IT HAS BEEN PRELIMINARILY DETERMINED THAT GRAND RIVER AND SPIRIT MOUNTAIN PARKS, AND THE SOLSTICE TOWNHOME NEIGHBORHOOD LANDSCAPE SHALL BE TIED INTO THE CONVERTED POTABLE WATER SUPPLY THAT CURRENTLY IRRIGATES THE BALANCE OF THE CARDIFF GLEN LANDSCAPE PORTFOLIO. THIS HAS BEEN DETERMINED BY THE CITY DUE TO THE FUTURE POSSIBILITY OF THE ENTIRE LANDSCAPE SYSTEM BEING CONVERTED BACK TO THE ORIGINALLY PLANNED RAW WATER SUPPLY.

PRELIMINARY SOILS AND GEOTECHNICAL REPORT – A REPORT WAS DILIGENTLY PERFORMED BY HEPWORTH-PAWLAK DURING THE ENTITLEMENTS OF THE CARDIFF GLEN PUD. STEVE PAWLAK OF H-P KUMAR HAS PROVIDED AN UPDATED REPORT AND PERC TEST. THERE HAS BEEN NO TOPOGRAPHICAL OR GEOLOGIC EVENTS ON THE SITE SINCE THE INITIAL INVESTIGATION WAS PERFORMED.

TRAFFIC IMPACT ANALYSIS – A TRAFFIC IMPACT STUDY (TIS) WAS PERFORMED BY BANNER ASSOCIATES INC. IN MARCH OF 1999. THIS TIS ASSUMED THERE WOULD BE 247 DWELLING UNITS AT CARDIFF GLEN BUILD OUT AND A MIDLAND COMMERCIAL CENTER. THE COMMERCIAL CENTER WAS NOT COMPLETED. THE SUBJECT PARCELS WERE PLANNED TO INCLUDE 35 CONDOMINIUM UNITS. THE SOLSTICE TOWN HOME NEIGHBORHOOD WOULD BE REDUCED TO 29 UNITS. AN UPDATED ANALYSIS IS UNDERWAY WITH SCHMUESER, GORDON MEYER ENGINEERING.

EASEMENTS AND RIGHT-OF WAY

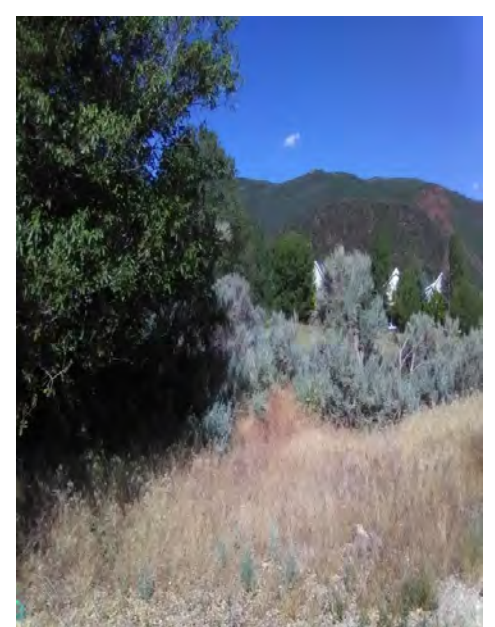
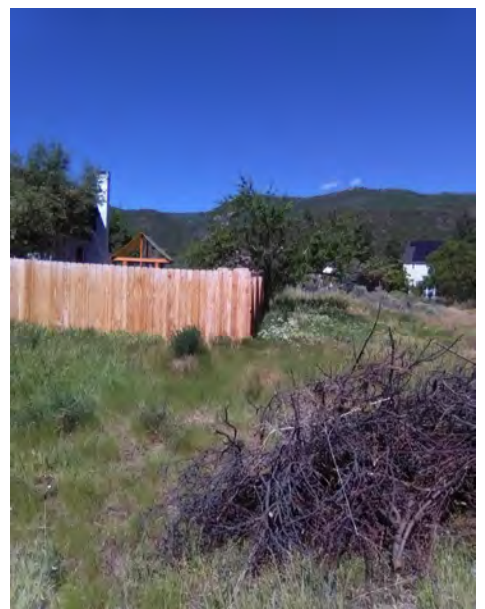
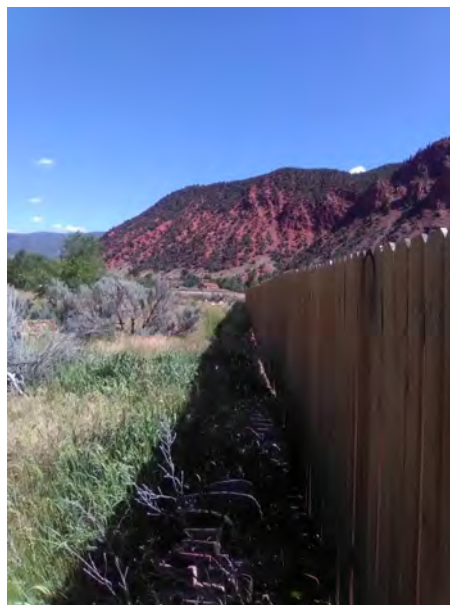
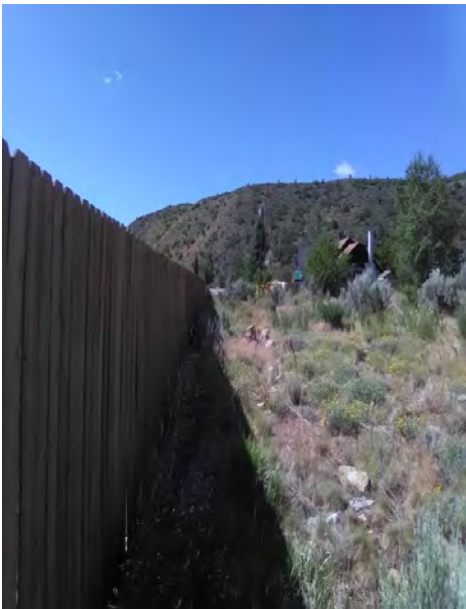
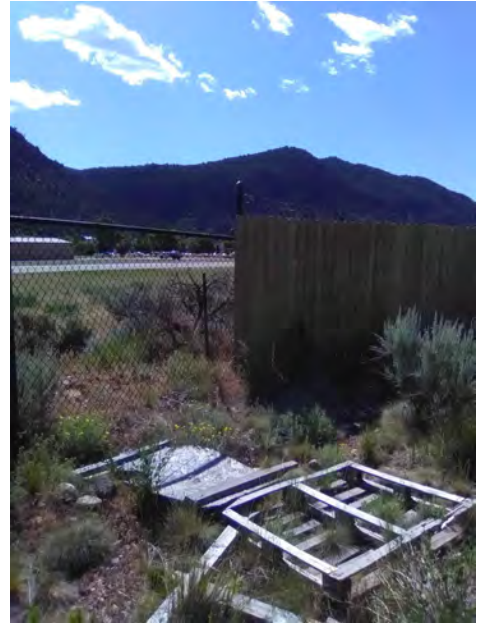
1. AS SHOWN ON THE TITLE COMMITMENT, THE EXISTING CONDITIONS MAP, SITE PLAN, SURVEY AND PLAT, THERE ARE NON-EXCLUSIVE UTILITY EASEMENTS, AND AN AVIATION AND HAZARDS EASEMENT.
2. AS SHOWN ON THE PRELIMINARY PLAT AND DETERMINED IN THE STOA GOVERNING DOCUMENTS, ARE COMMON AREAS AND LIMITED COMMON AREAS WHICH WILL BE OWNED, OPERATED, REPAIRED AND REPLACED BY THE STOA ONCE IMPROVED AND CONVEYED. THERE THE AREAS WILL BE FINALLY DEFINED AS-BUILT AND VIA THE ADMINISTRATIVE CONDOMINIUM MAPPING PROCESS.
3. AS SHOWN ON THE PRELIMINARY PLAT, THERE WILL BE A TEMPORARY CONSTRUCTION ACCESS EASEMENT, AND A PERMANENT EMERGENCY AND SERVICES ACCESS EASEMENT.
4. THE PROPOSED PROJECT IS IMMEDIATELY ADJACENT TO CITY OWNED RIGHT OF WAYS, CULVER, CRAWFORD AND STOCTON STREETS.

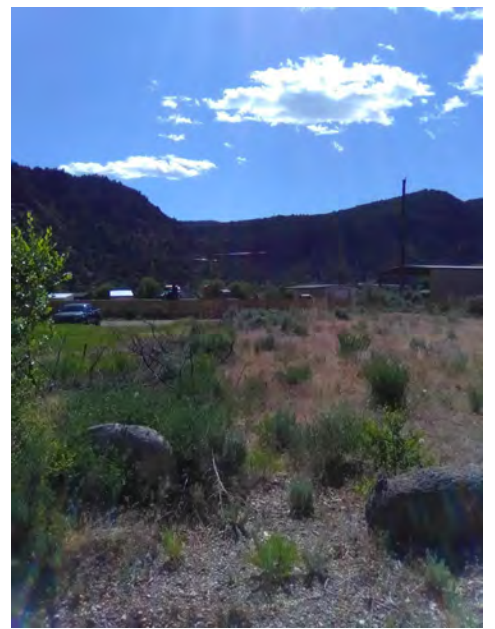
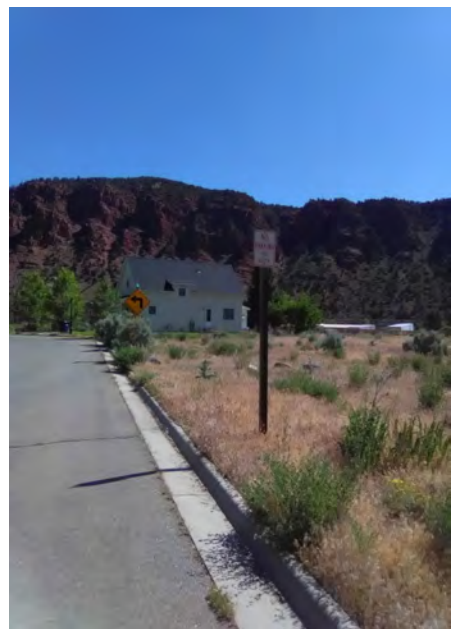
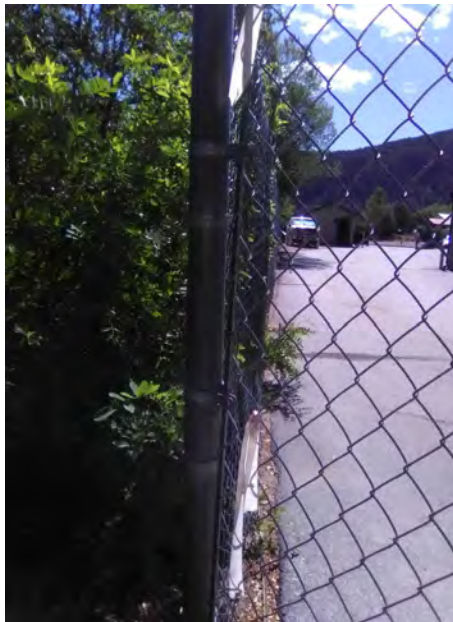
FACILITIES AND APPURTENANCES, OWNERSHIP AND MAINTENANCE

1. **POTABLE WATER AND SANITARY SEWER** – FROM THE SERVICE CONNECTION TO THE TOWNHOME UNITS WILL BE OWNED AND MAINTAINED BY THE STOA.
2. **FIRE SUPPPRESSION** – CENTRALIZED SYSTEMS AND ALARM PANEL IN EACH STRUCTURE IN RISER ROOM.
3. **RISER ROOM** – 4" DIP MAIN PLACED IN RISER ROOOM IN EACH BUILDING. SPLIT AT RISER ROOM TO SERVE EACH UNIT DOMESTIC POTABLE WATER SYSTEM AND FIRE SUPRESSION.
4. **SHALLOW/DRY UTILITIES** – SERVICE TO SITE IS EXISTING. GWS ELECTRIC, CENTURY LINK, COMCAST AND BLACK HILLLS ENERGU HAVE PROVIDED WILL SERVE DOCUMENTS, CORRESPONDANCE AND PLANS/SPECIFICATIONS. SERVICE LOCATIONS TO EACH LOCATIONNN HAD BEEN CONFIRMED.
5. **CRAWL SPACE UTILITY AND FIRE SUPPRESSION CORRIDOR** – THIS WILL BE A RESTRICTED LIMITED COMMON ELEMENT, SEE GOVERNING DOCUMENTS
6. **IRRIGATION WATER SUPPLY** – SERVICE TO AND WITHIN SPIRIT MOUNTAIN PARK AND GRAND RIVER PARK WILL BE CONVEYED TO THE CARDIFF GLEN MASTER ASSOCIATION. THE SUPPLY TO THE SOLSTICE NEIGHBORHOOD WILL BE CONVEYED TO THE STOA.
7. **INCIDENTAL AND STORMWATER FACILITIES, SYSTEMS AND APPURTENANCES** – ALL ON SITE SYSTEMS WILL BE CONVEYED TO THE STOA. ALL OFF SITE WILL FALL WITHIN CITY ROW SYSTEMS. SEE DRAINAGE PLAN AND MAINTENANCE AGREEMENT BY AND BETWEEN THE STOA AND THE CITY.
8. **ROADS AND WALKWAYS** – THE ROADS AND WALKWAYS WITHIN THE SOLSTICE NEIGHBORHOOD WILL BE PRIVATE AND CONVEYED TO THE STOA. WALKWAYS WITHIN ROW WILL BE PUBLIC AND OWNED BY THE CITY.
9. **PARK FACULTIES AND LANDSCAPE** – UPON COMPLETION THE GRAND RIVER PARK IMPROVEMENTS AND THE NEW SPIRIT MOUNTAIN PARK WILL BE DEDICATED TO AND ACCEPTED BY THE CARDIFF GLEN MASTER ASSOCIATION.
10. **SOLSTICE LANDSCAPE** – UPON COMPLETION THE SOLSTICE LANDSCAPE PACKAGE WILL BE CONVEYED TO THE STOA.

FEMA FLOODPLAIN AND PLAIN STATEMENT - THE PROPERTY DEPICTED ON THE PLAT IS INCLUDED WITHIN THE FEMA DESIGNATED FLOODPLAIN COMMUNITY MAP. ADDITIONALLY, THE PROPERTY IS LOCATED WITHIN ANY DESIGNATED FLOODWAY OR FLOODPLAIN.









CARDIFF GLEN PUD

GRAND RIVER PARK IMPROVEMENTS AND SPIRIT MOUNTAIN PARK

CONSTRUCTION OVERVIEW

Both the existing Grand River Park (GRP) and the new Spirit Mountain Park (SMP) are slated for improvements or new construction including LANDSCAPE, STREET/EARTHWORK, and STORMWATER MANAGEMENT Tasks.

Sensible sequencing is to commence staging and construction at the new SMP and then phase into the GRP improvements.

SMP is bordered on two sides by Open Space or Commercial Property, the other two sides are bordered by occupied residential improvements. The GRP is operational and is surrounded by occupied residential improvements.

There will be an ancillary Construction Access Only approach to the SMP site. The SMP site will serve as construction access, parking, staging, operations and storage for both SMP and GRP.

Qualified Contractors are requested to price both projects separately and entirely, by line item or category as lump sum, assumption allowance, unit costs or combined pricing. Whatever pricing approach is used, if other than what is shown on the spreadsheet bid forms, it needs to be clearly noted. If a category is not included in pricing, such as LANDSCAPE, it is important to note any not included items or categories specifically as not included.

Please reference the (PLANS FOR CONSTRUCTION OF) CARDIFF GLEN GRAND RIVER PARK AND LOT 95 AND PARKING IMPROVEMENTS PLAN SET DATED SEPTEMBER 1ST, 2016 in your pricing. The PLAN SET including SPECIFICATIONS is hereby attached. Please note that Lot 95, at Cardiff Glen, is where the new Spirit Mountain Park will be constructed.

Also attached are categorized line item spreadsheets for both the SMP and GRP projects. Classification and Unit Quantification have been represented by the Engineer and Architect on the spreadsheet bid forms.

The Project is anticipated to commence upon entitlements and permitting...weather depending. Site visits with prospective Contractors may be accommodated by the Project Manager. Control Survey staking will be performed by the CLIENT. The form of Contract will be provided by the CLIENT.

The CLIENT is Cardiff 96 LLC... with an address of.... The Project Manager is Ian Hause with Creative Results Consulting. Ian may be reached at 970-355-5279, or by email at creativeresultsconsulting@yahoo.com. Should you have any questions regarding what is stated above or hereby attached, please do not hesitate to contact Ian directly.

Please do not contact the CLIENT'S consulting engineers, architects or surveyors directly regarding this Project.

Thank you for your consideration of this Project.



**Land Title Guarantee Company
Customer Distribution**



PREVENT FRAUD - Please remember to call a member of our closing team when initiating a wire transfer or providing wiring instructions.

Order Number: **ABS63012932**

Date: **07/09/2018**

Property Address: **TBD, GLENWOOD SPRINGS, CO 81601**

PLEASE CONTACT YOUR CLOSER OR CLOSER'S ASSISTANT FOR WIRE TRANSFER INSTRUCTIONS

For Closing Assistance

For Title Assistance

Nicole Hall
5975 GREENWOOD PLAZA BLVD
GREENWOOD VILLAGE, CO 80111
(303) 850-4189 (Work)
nhall@ltgc.com

Buyer/Borrower

A BUYER TO BE DETERMINED

Delivered via: No Commitment Delivery

Agent for Seller

GARFIELD & HECHT
Attention: HALEY CARMER
901 GRAND AVE., SUITE 201
GLENWOOD SPRINGS, CO 81601
(970) 947-1936 (Work)
(970) 917-1937 (Work Fax)
hcarmer@garfieldhecht.com
Delivered via: Electronic Mail

Seller/Owner

CARDIFF 96 LLC

Attention: Abdi Pirzadeh

abdi@aspenbuilt.com

Delivered via: Electronic Mail



Land Title Guarantee Company
Estimate of Title Fees

Order Number: **ABS63012932** Date: **07/09/2018**
Property Address: **TBD, GLENWOOD SPRINGS, CO 81601**
Parties: **A BUYER TO BE DETERMINED**
CARDIFF 96, LLC, A COLORADO LIMITED LIABILITY COMPANY

Visit Land Title's Website at www.ltgc.com for directions to any of our offices.

Estimate of Title insurance Fees	
"TBD" Commitment	\$216.00
	Total \$216.00
If Land Title Guarantee Company will be closing this transaction, the fees listed above will be collected at closing.	
Thank you for your order!	

Note: The documents linked in this commitment should be reviewed carefully. These documents, such as covenants conditions and restrictions, may affect the title, ownership and use of the property. You may wish to engage legal assistance in order to fully understand and be aware of the implications of the effect of these documents on your property.

Chain of Title Documents:

[Garfield county recorded 06/13/2014 under reception no. 850253](#)

[Garfield county recorded 09/30/2011 under reception no. 808779](#)

[Garfield county recorded 04/20/2004 under reception no. 650501](#)

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule A

Order Number: ABS63012932

Property Address:

TBD, GLENWOOD SPRINGS, CO 81601

1. Effective Date:

06/06/2018 at 5:00 P.M.

2. Policy to be Issued and Proposed Insured:

"TBD" Commitment

\$0.00

Proposed Insured:

A BUYER TO BE DETERMINED

3. The estate or interest in the land described or referred to in this Commitment and covered herein is:

A FEE SIMPLE

4. Title to the estate or interest covered herein is at the effective date hereof vested in:

CARDIFF 96, LLC, A COLORADO LIMITED LIABILITY COMPANY

5. The Land referred to in this Commitment is described as follows:

NOTE: THE FOLLOWING LEGAL DESCRIPTION IS PRELIMINARY AND IS SUBJECT TO CHANGE UPON COMPLIANCE WITH THE REQUIREMENTS UNDER SCHEDULE B-1, HEREIN.

THE AREA DEPICTED AS:

LOTS 95 AND 96

CARDIFF GLEN P.U.D., FILING ONE

ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1999 AS RECEPTION NO. [547815](#).

EXCEPTING:

LOT 98

CARDIFF GLEN P.U.D, FILING THREE

ACCORDING TO THE PLAT THEREOF RECORDED MAY 6, 2002 AT RECEPTION NO. [602820](#) AND

DECLARATION RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [853](#)

CITY OF GLENWOOD SPRINGS

COUNTY OF GARFIELD

STATE OF COLORADO

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ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule B, Part I

(Requirements)

Order Number: ABS63012932

All of the following Requirements must be met:

This proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

Pay the agreed amount for the estate or interest to be insured.

Pay the premiums, fees, and charges for the Policy to the Company.

Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

THIS COMMITMENT IS FOR INFORMATION ONLY, AND NO POLICY WILL BE ISSUED PURSUANT HERETO.

The following will be required should the Company be requested to issue a future commitment to insure:

1. A BOUNDARY SURVEY CONTAINING A METES AND BOUNDS LEGAL DESCRIPTION OF THE PROPERTY IN SCHEDULE A MUST BE PROVIDED TO LAND TITLE GUARANTEE COMPANY.
2. A FULL COPY OF THE FULLY EXECUTED OPERATING AGREEMENT AND ANY AND ALL AMENDMENTS THERETO FOR CARDIFF 96, LLC, A COLORADO LIMITED LIABILITY COMPANY MUST BE FURNISHED TO LAND TITLE GUARANTEE COMPANY. SAID AGREEMENT MUST DISCLOSE WHO MAY CONVEY, ACQUIRE, ENCUMBER, LEASE OR OTHERWISE DEAL WITH INTERESTS IN REAL PROPERTY FOR SAID ENTITY.

NOTE: ADDITIONAL REQUIREMENTS MAY BE NECESSARY UPON REVIEW OF THIS DOCUMENTATION.

3. DULY EXECUTED AND ACKNOWLEDGED STATEMENT OF AUTHORITY SETTING FORTH THE NAME OF CARDIFF 96, LLC, A COLORADO LIMITED LIABILITY COMPANY AS A LIMITED LIABILITY COMPANY. THE STATEMENT OF AUTHORITY MUST STATE UNDER WHICH LAWS THE ENTITY WAS CREATED, THE MAILING ADDRESS OF THE ENTITY, AND THE NAME AND POSITION OF THE PERSON(S) AUTHORIZED TO EXECUTE INSTRUMENTS CONVEYING, ENCUMBERING, OR OTHERWISE AFFECTING TITLE TO REAL PROPERTY ON BEHALF OF THE ENTITY AND OTHERWISE COMPLYING WITH THE PROVISIONS OF SECTION 38-30-172, CRS.

NOTE: THE STATEMENT OF AUTHORITY MUST BE RECORDED WITH THE CLERK AND RECORDER.

4. WARRANTY DEED FROM CARDIFF 96, LLC, A COLORADO LIMITED LIABILITY COMPANY TO A BUYER TO BE DETERMINED CONVEYING SUBJECT PROPERTY.

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule B, Part II
(Exceptions)

Order Number: ABS63012932

This commitment does not republish any covenants, condition, restriction, or limitation contained in any document referred to in this commitment to the extent that the specific covenant, conditions, restriction, or limitation violates state or federal law based on race, color, religion, sex, sexual orientation, gender identity, handicap, familial status, or national origin.

1. Any facts, rights, interests, or claims thereof, not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
2. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
3. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
4. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.
5. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date of the proposed insured acquires of record for value the estate or interest or mortgage thereon covered by this Commitment.
6. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
7. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water.
8. RIGHT OF PROPRIETOR OF A VEIN OR LODGE TO EXTRACT AND REMOVE HIS ORE THEREFROM SHOULD THE SAME BE FOUND TO PENETRATE OR INTERSECT THE PREMISES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE [148](#) AND RECORDED JULY 29, 1895 IN BOOK 12 AT PAGE [375](#)
9. RIGHT OF WAY FOR DITCHES OR CANALS CONSTRUCTED BY THE AUTHORITY OF THE UNITED STATES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE [148](#) AND RECORDED JULY 29, 1895 IN BOOK 12 AT PAGE [375](#)
10. TERMS, CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAY AS CONTAINED IN AVIATION AND HAZARD EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [848](#).
11. EASEMENTS, RIGHTS OF WAY AND OTHER MATTERS AS FOUND ON THE CARDIFF GLEN PLAT RECORDED JUNE 24, 1999 AS RECEPTION NO. [547815](#) AND THE CARDIFF GLEN FILING THREE PLAT RECORDED MAY 6, 2002 AT RECEPTION NO. [602820](#).

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule B, Part II
(Exceptions)

Order Number: ABS63012932

12. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANT OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN UNLESS AND ONLY TO THE EXTENT THAT SAID COVENANT (A) IS EXEMPT UNDER CHAPTER 42, SECTION 3607 OF THE UNITED STATES CODE OR (B) RELATES TO HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PERSONS, AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [853](#) AND FIRST AMENDMENT RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE [324](#) AND SECOND AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE [238](#) AND DECLARATION RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE [330](#) AND FIRST AMENDMENT TO DECLARATION RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE [249](#), THIRD AMENDMENT RECORDED MAY 6, 2002 IN BOOK 1352 AT PAGE [527](#), FOURTH AMENDMENT RECORDED NOVEMBER 17, 2003 IN BOOK 1539 AT PAGE [355](#).
13. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS CONTAINED IN INSTRUMENT RECORDED MARCH 22, 2005, IN BOOK 1672 AT PAGE [250](#) AND AMENDMENT RECORDED MARCH 11, 2008 AT RECEPTION NO. [744368](#).
14. TERMS, CONDITIONS, AND PROVISIONS OF SUBDIVIDER'S AGREEMENT AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999, IN BOOK 1136 AT PAGE [905](#), FIRST AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1243 AT PAGE [502](#) AND AS AMENDED DECEMBER 4, 2003 AT RECEPTION NO. [642206](#) AND AS AMENDED APRIL 20, 2004 AT RECEPTION NO. [650500](#) AND AS AMENDED AUGUST 3, 2004 AT RECEPTION NO. [657172](#) AND AS AMENDED SEPTEMBER 22, 2005 IN BOOK 1723 AT PAGE [412](#) AND AS AMENDED FEBRUARY 3, 2017 AT RECEPTION NO. [888526](#).
15. TERMS, CONDITIONS AND PROVISIONS OF WATER FACILITIES EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [826](#) AND COST SHARING AGREEMENT RECORDED SEPTEMBER 8, 1999 IN BOOK 1149 AT PAGE [529](#).
16. TERMS, CONDITIONS AND PROVISIONS OF UTILITY EASEMENT AGREEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [837](#).
17. TERMS, CONDITIONS AND PROVISIONS OF COST SHARING AGREEMENT RECORDED SEPTEMBER 09, 1999 IN BOOK 1149 AT PAGE [529](#).
18. TERMS, CONDITIONS AND PROVISIONS OF NON-EXCLUSIVE UTILITY EASEMENT RECORDED OCTOBER 30, 2000 IN BOOK 1214 AT PAGE [794](#).
19. TERMS, CONDITIONS, PROVISIONS, BURDENS AND OBLIGATIONS AS SET FORTH IN JOINT USE AND COST SHARING AGREEMENT RECORDED APRIL 20, 2004 UNDER RECEPTION NO. [650496](#) AND FIRST AMENDMENT RECORDED DECEMBER 22, 2016 AT RECEPTION NO. [886890](#).
20. TERMS, CONDITIONS, PROVISIONS, BURDENS, OBLIGATIONS AND EASEMENTS AS SET FORTH AND GRANTED IN EASEMENT DEED RECORDED AUGUST 28, 2014 UNDER RECEPTION NO. [853036](#).



LAND TITLE GUARANTEE COMPANY DISCLOSURE STATEMENTS

Note: Pursuant to CRS 10-11-122, notice is hereby given that:

- (A) The Subject real property may be located in a special taxing district.
- (B) A certificate of taxes due listing each taxing jurisdiction will be obtained from the county treasurer of the county in which the real property is located or that county treasurer's authorized agent unless the proposed insured provides written instructions to the contrary. (for an Owner's Policy of Title Insurance pertaining to a sale of residential real property).
- (C) The information regarding special districts and the boundaries of such districts may be obtained from the Board of County Commissioners, the County Clerk and Recorder, or the County Assessor.

Note: Effective September 1, 1997, CRS 30-10-406 requires that all documents received for recording or filing in the clerk and recorder's office shall contain a top margin of at least one inch and a left, right and bottom margin of at least one half of an inch. The clerk and recorder may refuse to record or file any document that does not conform, except that, the requirement for the top margin shall not apply to documents using forms on which space is provided for recording or filing information at the top margin of the document.

Note: Colorado Division of Insurance Regulations 8-1-2 requires that "Every title entity shall be responsible for all matters which appear of record prior to the time of recording whenever the title entity conducts the closing and is responsible for recording or filing of legal documents resulting from the transaction which was closed". Provided that Land Title Guarantee Company conducts the closing of the insured transaction and is responsible for recording the legal documents from the transaction, exception number 5 will not appear on the Owner's Title Policy and the Lenders Policy when issued.

Note: Affirmative mechanic's lien protection for the Owner may be available (typically by deletion of Exception no. 4 of Schedule B, Section 2 of the Commitment from the Owner's Policy to be issued) upon compliance with the following conditions:

- (A) The land described in Schedule A of this commitment must be a single family residence which includes a condominium or townhouse unit.
- (B) No labor or materials have been furnished by mechanics or material-men for purposes of construction on the land described in Schedule A of this Commitment within the past 6 months.
- (C) The Company must receive an appropriate affidavit indemnifying the Company against un-filed mechanic's and material-men's liens.
- (D) The Company must receive payment of the appropriate premium.
- (E) If there has been construction, improvements or major repairs undertaken on the property to be purchased within six months prior to the Date of Commitment, the requirements to obtain coverage for unrecorded liens will include: disclosure of certain construction information; financial information as to the seller, the builder and or the contractor; payment of the appropriate premium fully executed Indemnity Agreements satisfactory to the company, and, any additional requirements as may be necessary after an examination of the aforesaid information by the Company.

No coverage will be given under any circumstances for labor or material for which the insured has contracted for or agreed to pay.

Note: Pursuant to CRS 10-11-123, notice is hereby given:

This notice applies to owner's policy commitments disclosing that a mineral estate has been severed from the surface estate, in Schedule B-2.

- (A) That there is recorded evidence that a mineral estate has been severed, leased, or otherwise conveyed from the surface estate and that there is substantial likelihood that a third party holds some or all interest in oil, gas, other minerals, or geothermal energy in the property; and
- (B) That such mineral estate may include the right to enter and use the property without the surface owner's permission.

Note: Pursuant to CRS 10-1-128(6)(a), It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance, and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policyholder or claimant for the purpose of defrauding or attempting to defraud the policyholder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

Note: Pursuant to Colorado Division of Insurance Regulations 8-1-3, notice is hereby given of the availability of a closing protection letter for the lender, purchaser, lessee or seller in connection with this transaction.



**JOINT NOTICE OF PRIVACY POLICY OF
LAND TITLE GUARANTEE COMPANY,
LAND TITLE GUARANTEE COMPANY OF SUMMIT COUNTY
LAND TITLE INSURANCE CORPORATION AND
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY**

This Statement is provided to you as a customer of Land Title Guarantee Company and Meridian Land Title, LLC, as agents for Land Title Insurance Corporation and Old Republic National Title Insurance Company.

We want you to know that we recognize and respect your privacy expectations and the requirements of federal and state privacy laws. Information security is one of our highest priorities. We recognize that maintaining your trust and confidence is the bedrock of our business. We maintain and regularly review internal and external safeguards against unauthorized access to non-public personal information ("Personal Information").

In the course of our business, we may collect Personal Information about you from:

- applications or other forms we receive from you, including communications sent through TMX, our web-based transaction management system;
 - your transactions with, or from the services being performed by us, our affiliates, or others;
 - a consumer reporting agency, if such information is provided to us in connection with your transaction;
- and
- The public records maintained by governmental entities that we either obtain directly from those entities, or from our affiliates and non-affiliates.

Our policies regarding the protection of the confidentiality and security of your Personal Information are as follows:

- We restrict access to all Personal Information about you to those employees who need to know that information in order to provide products and services to you.
- We maintain physical, electronic and procedural safeguards that comply with federal standards to protect your Personal Information from unauthorized access or intrusion.
- Employees who violate our strict policies and procedures regarding privacy are subject to disciplinary action.
- We regularly assess security standards and procedures to protect against unauthorized access to Personal Information.

WE DO NOT DISCLOSE ANY PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE THAT IS NOT PERMITTED BY LAW.

Consistent with applicable privacy laws, there are some situations in which Personal Information may be disclosed. We may disclose your Personal Information when you direct or give us permission; when we are required by law to do so, for example, if we are served a subpoena; or when we suspect fraudulent or criminal activities. We also may disclose your Personal Information when otherwise permitted by applicable privacy laws such as, for example, when disclosure is needed to enforce our rights arising out of any agreement, transaction or relationship with you.

Our policy regarding dispute resolution is as follows: Any controversy or claim arising out of or relating to our privacy policy, or the breach thereof, shall be settled by arbitration in accordance with the rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.



Commitment For Title Insurance

Issued by Old Republic National Title Insurance Corporation

NOTICE

IMPORTANT—READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACTIONAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON. .

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I—Requirements; Schedule B, Part II—Exceptions; and the Commitment Conditions, Old Republic National Title Insurance Company, a Minnesota corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Policy Amount and the name of the Proposed Insured. If all of the Schedule B, Part I—Requirements have not been met within 6 months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

COMMITMENT CONDITIONS

1. DEFINITIONS

- (a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.
- (b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
- (c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.
- (d) "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
- (e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
- (f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.
- (g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.
- (h) "Title": The estate or interest described in Schedule A.

2. If all of the Schedule B, Part I—Requirements have not been met within the time period specified in the Commitment to Issue Policy, Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:

- (a) the Notice;
- (b) the Commitment to Issue Policy;
- (c) the Commitment Conditions;
- (d) Schedule A;
- (e) Schedule B, Part I—Requirements; and
- (f) Schedule B, Part II—Exceptions; and
- (g) a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY

- (a) The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
 - i. comply with the Schedule B, Part I—Requirements;
 - ii. eliminate, with the Company's written consent, any Schedule B, Part II—Exceptions; or
 - iii. acquire the Title or create the Mortgage covered by this Commitment.
- (b) The Company shall not be liable under Commitment Condition 5(a) if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
- (c) The Company will only have liability under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
- (d) The Company's liability shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.

- (e) The Company shall not be liable for the content of the Transaction Identification Data, if any.
- (f) In no event shall the Company be obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I—Requirements have been met to the satisfaction of the Company.
- (g) In any event, the Company's liability is limited by the terms and provisions of the Policy.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

- (a) Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.
- (b) Any claim must be based in contract and must be restricted solely to the terms and provisions of this Commitment.
- (c) Until the Policy is issued, this Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.
- (d) The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.
- (e) Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.
- (f) When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT HAS BEEN ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

9. ARBITRATION

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Policy Amount is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at <http://www.alta.org/arbitration>.

IN WITNESS WHEREOF, Land Title Insurance Corporation has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A to be valid when countersigned by a validating officer or other authorized signatory.

Issued by:
Land Title Guarantee
Company
3033 East First Avenue Suite
600
Denver, Colorado 80206
303-321-1880



President



Old Republic National Title Insurance Company, a Stock
Company
400 Second Avenue South
Minneapolis, Minnesota 55401
(612)371-1111



Mark Bilbrey, President



Rande Yeager, Secretary

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Land Title Insurance Corporation. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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Jason Cox

Utility Construction Planner
Colorado Gas
Jason.cox@blackhillscorp.com

Black Hills Energy
0096 County Road 160
Glenwood Springs, Co.
81601

September 14, 2017

Re: Solstice Townhomes

To Whom It May Concern:

This letter will confirm that Black Hills Energy will provide Natural Gas Distribution service to the development commonly known as Solstice Townhomes. Black Hills Energy will install a distribution system capable of serving the demand of the development that lies within the BHE certificated service territory.

This service will be subject to Black Hills Energy tariffs filed with the Colorado Public Utilities Commission and the Black Hills Energy Gas Network Main Extension Policy.

If you have any questions please feel free to contact me.

Sincerely,

Jason Cox
Utility Construction Planner
Colorado Gas
Jason.cox@blackhillscorp.com
Cell: 970-309-2432



MINUTES
City of Glenwood Springs
Planning and Zoning Commission
Regular Meeting
November 27, 2018
Council Chambers, First Floor, City Hall
101 W. 8th Street
6:00PM

1. Roll Call Meeting called to order at 6:02 PM

Present at roll call were Commissioners: Marco Dehm, Ingrid Wussow, George Shaver, Kathryn Grosscup, and Tim Malloy

Absent: Collin Wilhelm, Amber Wissing and Sumner Schachter

Also present were: Jenn Ooton, Director/Asst. City Manager; Gretchen Ricehill, Assistant Director Anna S. Itenberg, City Attorney's Office Trent Hyatt, Senior Planner

2. Receipt of minutes of the October 23, 2018 regular meeting.

MOTION: Moved by Commissioner Malloy, seconded by Commissioner Wussow, to accept the minutes of October 23, 2018 regular meeting as written. Motion carried by voice vote. Commissioners Grosscup and Shaver abstained from voting as they were not present at the October meeting.

3. Comments from citizens appearing for items not on the agenda. No one appeared.

New Items

4. 15-18 – Consideration of a Rezoning/to PUD (amendment of an existing PUD), a Major Site/Architectural Plan Review, and Preliminary Plat

Applicant: Cardiff 96, LLC

Owner: Cardiff 96, LLC

Location: Lot 95 and Lot 96 Cardiff Glen PUD (PIN: 2185-272-09-027)

Zone: R/3 – PUD Multi-family Residential

Jenn Ooton recused herself as she was personally noticed about the hearing.

Trent Hyatt provided a Powerpoint presentation summarizing the project in accordance with the staff report.

The project requires

- An amendment of the existing planned unit development related to front and side yard setbacks; roadway, sidewalk and planting strip widths; dwelling unit size; and source of irrigation;
- Major Site/Architectural Plan review for the construction of 29 multi-family residential townhouse units in six buildings; and,
- Preliminary plat for the condominiumization of the townhouses and for creation of a Tract J for Spirit Mountain Park.

Mr. Hyatt summarized lot sizes, zoning and adjacent land uses. He also provided background information regarding the development of the Cardiff Glen planned unit development. He pointed out that the applicant also submitted Construction Plans to be reviewed concurrently with this application. The plans include a number of details related final grading, drainage, lighting and landscaping that are not required for this application. The Construction Plan review/approval are subject to approval of this application as well as any conditions attached thereto.

Mr. Hyatt provided the following detail regarding each action item:

PUD Amendments -

- Owner is requesting a 10-foot front and side yard setback for buildings 1, 2, 5 and 6. A 10-foot setback is consistent with many of the other lots in Cardiff Glen;
- Ripple Lane does not meet the minimum street width of 22 feet per the Cardiff PUD standards. Ripple Lane is a private, one-way roadway. Owner is providing a one-side, four-foot wide sidewalk without a planting strip. A five-foot wide sidewalk with planting strip and street trees is required.
- PUD requires mixed unit types and sizes which likely applies to the entire PUD however PUD text is unclear in this regard. Owner is providing one, two and three-bedroom units in sizes between 440 and 1,250 square feet.
- PUD requires use of raw water supply for irrigation. This is problematic due to city's ability to provide raw water service.

Mr. Hyatt reviewed the approval criteria for rezoning/amendments to the Cardiff Glen PUD.

Major Site/Architectural Plan Review –

- The owner proposes developing 21 units on Lot 95 and 56 units on Lot 96, or 87 units total;
- Design incorporates many architectural features outlined in the Cardiff PUD and covenants such as gable roofs with shed dormers, steep and moderately sloped roofs with overhanging eaves, windows facing the street;
- The project includes improvements to the existing Grand River Park, which was approved in a 2015 amendment to the PUD, and the creation of a new Spirit Mountain Park located on Lot 95.

Mr. Hyatt reviewed the approval criteria for Major Site/Architectural plans and noted that there are a number of revisions required prior to the issuance of a development permit. Reviewing agency comments are recommended as conditions of approval.

Preliminary Plat –

- The owner proposes creating six building areas and to create a new Lot 95 which includes adding a Tract J for Spirit Mountain Park. The 1995-approved 6th Amendment to the Cardiff Subdivision Improvement Agreement requires the

owner of Lot 95 to transfer Spirit Mountain Park improvements to the master homeowners' associations prior to the issuance of the building permit.

- The owner proposes to condominiumize the townhouse units. A Final Plat will be recorded upon the completion of each building.

Mr. Hyatt reviewed the approval criteria for preliminary plats.

Mr. Hyatt summarized how the project complied to the Comprehensive Plan-

- The multi-family use of Lots 95 and 96 do not conform to the future land use map. However, the map was not created on a parcel-by-parcel basis and many of the city's PUDs which allow multi-family development are similarly mapped. The project is in compliance with the Cardiff Glen PUD which was approved prior to the adoption of the 2011 Comprehensive Plan.
- The project encourages economic development; preserves small town character; provides convenient transportation;
- The project is an infill development;
- It provides housing opportunities and addresses social diversity; and
- It preserves natural resources.

Mr. Hyatt summarized comments received from the Engineering & Water/Wastewater departments. He noted the detailed, specific nature of the comments which were due to the owner's concurrent submission of Construction Plans. Comments were also received from Pat Collins and the Cardiff Glen 1 and Master Board of Directors with regards to parking, access and snow storage, orientation of the buildings and overall project design.

Mr. Hyatt concluded by noting that staff recommended approval of Actions 1 and 3, The Rezoning/Amendment and Preliminary Plat, and approval of action 2, the Site/Architectural Plan with conditions. Findings and conditions are found on pages 11 and 12 of the staff report.

Questions of Staff:

Commissioners discussed the following with Mr. Hyatt -
Commissioner Malloy:

- Clarified that these vacant lots are the last to be developed.
- Preliminary plat does not show access to parking for the park. Drake Place will be part of an easement for the townhomes and the park.
- The townhouse units will not be part of the city's deed restriction/affordable rental housing program.
- Clarified that the front setback is from Culver Circle, the primary public street.
- The rezoning approval criteria seems to imply that all of the criteria need to be met but, in this case, there are some criteria that are not applicable because this is not a rezoning but rather an amendment of the PUD zone district requirements.
- Discussed the public right-of-way to the south of Lots 95 and 96 and comments from Emergency Services regarding the emergency egress.
- Four units on Lot 95 are height limited due to proximity to the airport. That same restriction does not apply to buildings on Lot 96. There is an aviation easement on Lot 95 but not on Lot 96.
- Amendments are consistent with the Comprehensive Plan and other goals and plans of the City.

- The phasing plan is identified on the cover sheet. The applicant will start with infrastructure development and improvements to the park. Building 1 & 2 will be constructed in phase 2; buildings 3 & 6 in phase 3; buildings 4 & 5 in phase 3.
- The landscaping amendment relates to the use of potable water rather than raw water.

Commissioner Grosscup:

- The first phase of work includes work on the central park. The scope of work was described in the staff report packet. The amendment to the park plan occurred in 2015 and was recorded following approval by the city.
- The letter from the HOA regarding this application was recently added to the Commission's packet of material.
- The new internal roads in the development will be private. The design does not adhere to the Engineering Standards relative to curb/gutter, sidewalks with planting strip, slope, etc. However, Engineering Department has accepted the preliminary design.
- The PUD requires diversity in terms of a variety of unit types and sizes. This application requests an amendment to apply this diversity provision to the number of bedrooms.

Commissioner Wussow:

- Requested clarification on the diversity of the housing type requirement. The PUD was developed in 1999, it did not specify where it wanted to see the development of specific unit sizes and types. The types of units proposed in this development are a response to the market.
- This neighborhood has existing HOAs. This development will create a third.

Commissioner Malloy:

- The HOA board letter commented about on-site. There will be 12 spaces of public or community parking on Lot 96 associated with Spirit Mountain Park; and 6 guest spaces on Lot 95.
- The alleyway access is characteristic of the Cardiff development but under today's standards it likely would be problematic for Emergency Services due to size and maneuverability of their equipment.

Commissioner Shaver:

- The temporary access to Cardiff Road could be permanent access for residents. It will not be gated but may be chained to discourage use by anyone other than emergency services.
- The ADUs do not count towards the overall neighborhood housing. This development cannot have ADUs because by Code, ADUs are only associated with single family, detached uses.

Commissioner Wussow:

- The major/ site architectural plan review submission does not require concurrent submission of construction plans. The Commission received more detailed plans than is required under the new Code. The comments generally relate to the construction details.

Commissioner Grosscup:

- The front doors on each building are facing the parking area rather than the street. This is different than what you see in the neighborhood but the proposed orientation is not necessarily prohibited by the PUD.

Commissioner Malloy:

- Ripple Lane is looped. Were cul de sacs and different building orientations considered? Staff has been working with the applicant on various iterations of the site plan since May. A site plan with cul de sacs was not presented as an option.

Applicant Presentation

Ian Hause, 20 Clearwater Rd, Carbondale, CO

Mr. Hause provided a Powerpoint presentation summarizing the intent and background of the development; and provided information about its owners, managers, and development team. Mr. Hause discussed the following:

- Phasing of project and process of construction;
- Certification and acceptance of Spirit Mountain Park, and transfer to the Master HOA;
- Creation and development of the Lot 95 and 96 Solstice Townhome HOA and its relationship to the Master HOA;
- Price points of the townhome units in the lower to upper \$400,000s.

Mr. Hause provided details of the previously approved Grand River Park improvement plans; discussed the inexact language in the Cardiff Glen PUD regarding setbacks; landscaping plans including number and species of trees; and provided a brief summary of the neighborhood meeting.

Questions of the Applicant

The Commissioners discussed the following with Mr. Hause:

Commissioner Malloy:

- The landscape plan was prepared by the project architect and someone from Carbondale who selected appropriate plant species for this area.
- The park design includes active and passive uses including a grassy area, horseshoe pits, a gazebo and walkway.
- The proposed development is located along the roadway behind Lot 95 & 96. There is an apparent lack of landscaping along the east side of the property, the airport side of the property, except for existing sagebrush. The development is trying not to use a significant amount of water due to storage issues in the existing Cardiff water tank. Concern was expressed regarding screening the airport use.
- Discussed the orientation of buildings 5, 6 and 1 and consideration in the planning process of construction of a cul de sac and thru road rather than emergency access. The site plan generally grew out of prior agreements and approvals, accommodation of storm drainage on site, existing easement and existing access points, avigation easements, and other site constraints.
- Adding landscaping along Culver to soften views to backs of buildings and along the east side of the park.

Commissioner Wussow:

- Discussed the continuity of this development with the existing community and the proposed architectural style, understanding that there has been a decade between the two. The proposed development will protect and enhance the property values of the community.
- Noted that the proposed building colors are darker and the architectural style more contemporary than what currently is found in the neighborhood. Designers and owner believe that the architecture, landscaping and park improvements are

consistent with the vision of the Planned Unit Development. It offers a nice transition from the existing development.

Commissioner Grosscup:

- Discussed the overall timeframe of development. The project will be completed by the 4th quarter of 2021, or roughly 36 months. The park will be completed by summer 2019.
- The project narrative discusses accessibility features in some of the units. Accessible units are in Building 1. The building is two level with the primary living located on the main floor.

Commissioner Shaver:

- Parking is a big concern in this neighborhood. Clarified that parking for Spirit Mountain Park will have some restrictions for example no boats, recreational vehicles and no overnight. Additional on-street parking will be created along Stockton Road but not along Culver Circle.
- Discussed current use of lots for parking and process of notifying owners.

Commissioner Dehm opened the public hearing: 7:38PM

Public Comment:

Eric Mazur, 1547 Crawford Way

- Design does not match the neighborhood;
- The building fronts should have porches that front onto the public street;
- Concerned about evacuation in case of fire;
- The project does not public transportation goals;
- The use of native landscaping has been tried in Grand River Park and it has failed;
- There should not be another HOA. Development of another HOA.

Ann Stewart 1726 Stockton Rd

- When is South Bridge going to be completed? This needs to be thought about before we develop additional homes. Midland is maxed. There is no other way out of the neighborhood.
- Loves the Victorian style house. The proposed development does not come close to that look; the dark color is too dark.
- Sunlight Bridge / 27th St Bridge will be under construction about the same time that the development will be under construction as will Midland Avenue.
- Expressed concerns about the parking issue, which is huge. Parking may not be adequate for what is being proposed.

Rob Gavrell, attorney for the Cardiff Glen Master Assn.

Showed documents to the Commission via the overhead camera.

- He believed that the proposal does not comply with the 2015 PUD amendment or the subdivision improvement agreement (SIA). Illustrated the existing style of housing in the Cardiff neighborhood. The amendment calls for front porches; uninterrupted sidewalks; homes facing the street; light colors; gabled roofs- characteristics that even apply to townhouses.
- Mr. Gavrell read from the PUD document. That document mandates front porches, garages facing alleys.
- The covenants provide an intention that development conforms to the neotraditional style.

- Complemented the developer in working with the HOAs regarding Grand River Park. The 2016 SIA requires that the developer build lot 95 based on the plans that were attached to the SIA as exhibit B. The exhibit shows buildings fronting Culver Circle and the back buildings facing a sidewalk which wraps around to the east.

Commissioner Malloy requested to ask Mr. Gavrell questions. Anna Itenberg, City Attorney's office clarified that the Commission should not be asking questions of the public. Mr. Gavrell proceeded by addressing questions that the Commission brought up in previous discussions with staff and the applicant: He addressed –

- Front versus backyard setbacks;
- The buildings overwhelming Crawford;
- Concerns with PUD standards applying to all of the development.

Amy Murphy, 1631 Winter's Lane

- Showed an image of one original advertisement of a Victorian style residence on the overhead camera;
- Every time a variance is granted the neighborhood loses. We lost open space; the community center; the business center; the number of parking spaces.
- The parking problem is huge. Issues come up daily. It is an undue burden on the neighborhood.
- The PUD calls for front porches and sidewalks. She expressed concern about safety. The project is too dense. Cannot deal with another parking situation. Tandem spaces do not work. They need to provide parking if we are not getting the community center. Consider the human factor and those that have already invested in the city and this area.

Julie Stetnauski, 1654 CR 154 but own two townhomes in the neighborhood. The look of these buildings is more like what is being developed in the Meadows. That is not the architecture that belongs in Cardiff Glen. Does not agree with the color; or the height variance. Parking is an issue. Colors make a huge difference in a development. Asked that the development be consistent with the neighborhood. Agrees with the other comments. Put front porches where they belong, maintain the height restriction,

Mary Copeland, 1687 Crawford Way.

The applicant showed images of cars parked on the lots. What are the people supposed to do and where are they supposed to park when the developer takes away the spaces? It will just create more issues.

Mike Alsdorf, 1131 Cooper, owner of the Airport Mini-storage

- Believes that these buildings look better than the previous proposal.
- Expressed concerns about the proposed retention/detention pond in the corner of the property. Concerned about how that will affect his property.
- Discussed construction access through "Cardiff Rd". He indicated that the road is an issue because it is substandard.
- Requested that parking not be allowed on the emergency egress. People will be parking along Darrow Rd and shifting an existing problem eastward.

Closed Public meeting 8:09 PM

Commissioner Dehm invited the applicant to respond to public comments. Mr. Hause discussed the following:

- The PUD stipulates that a new association be created for these lots;

- The PUD allows for 40 foot tall buildings and these are 38 feet tall;
- The architecture is attractive, the massing is substantially less than what could be allowed.
- The project is dealing with stormwater on site.
- Access easement will be for emergency services.
- Fire evacuation is difficult. The project is infill development which is where it needs to occur as opposed to in the county rural areas.
- Uncertain about RFTA's plans. When South Bridge is constructed, RFTA may consider expanding their services to this area.
- Density is less than what was originally approved.
- Regarding parking on site, people are parking where there are no trespassing signs. The intention is to get the owners to remove their cars on good terms. They will be notified ahead of time.
- Regarding the PUD, the owners and development team has read and re-read the PUD document. They believe that they understand the intent.
- There is a water line stubbed to the mini-storage property. There is no existing easement but the developer/owner will be creating one to address that line.

Additional Questions of Staff and Applicant

The Commission discussed the following with Mr. Hause and Mr. Hyatt:

Commissioner Malloy:

- The Attorney for the Master HOA talked about PUD guidelines and covenants who administers the covenants? The Master Association addresses parks and rights-of-way.
- Does the HOA have a design review process? There is design review process but the covenants and design review process does not apply to Lots 95 & 96.
- Confirmed that developers conducted neighborhood meetings.
- Discussed the project meeting the parking requirement and height standard.

Commissioner Grosscup

- The site plan shown by Gavrell shows additional parking. Mr. Hyatt explained that the plan was a concept that was included in Ordinance 20, approved in 2015. From that concept plan, an actual improvement plan was developed and formalized.

Abdi Pirzadeh, 110 Spur Drive and owner Lot 95 and 96:

- Clarified that the concept plan of the Grand River park improvements was not accepted by the HOA. The plan that was included in the SIA amendment is what was accepted and approved, and what is being developed.
- Mr. Pirzadeh indicated that he was receptive making some design changes and using lighter colors but reminded the Commission that the parcels are designed as high density; these parcels are not subject to the covenants and therefore are not obliged to create Victorian design. He is okay with changing colors, toning down the dark colors, but he likes the new modern look.
- Regarding parking, this project inherited the Cardiff Glen parking problem. This development cannot solve the neighborhood parking problems.
- Regarding trees, he would like to plant more but water department asked to minimize use of water and to use drought tolerant species;
- He is open to adding more parking along Culver but it may cause setback issues;
- He was also receptive to adding a sidewalk behind the buildings as shown in Mr. Gavrell's plans but stated that it was a sidewalk to nowhere.

Commissioner Malloy:

- Addressed to Mr. Hyatt - this seems to be a case of conflicting exhibits. Mr. Hyatt indicated that exhibit A is an exhibit to Ordinance 20, it is a concept plan. At the time there were three options considered. The SIA Amendment actually approved Grand River construction plans. The final approved design is based on the concepts included in the Ordinance. Site plans for Lot 96- parking and building orientation - were not included in plans shown in the SIA amendment.
- Ordinance 20 only really addressed improvements to Spirit Mountain Park, Grand River Park and open space requirements.

Commissioner Dehm asked for motions regarding Action Item #1

Action Item 1: Rezoning (amendment) to PUD – to allow for amendments to the existing Cardiff Glen PUD related to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size, and irrigation source.

Commissioner Malloy moved to approve Action item 1 with the findings found in the staff report except for the following:

- Finding #2 was amended to read: "The amendment is consistent with the approval criteria for rezoning"
- Findings #3 and #7 have been stricken.

Second by Commissioner Shaver

Discussion:

Commissioner Grosscup:

- Reminded the Commission that the owner indicated he would look at adding parking along Culver Circle. That is now part of the record.

Commissioner Malloy:

- Troubled by fact that variances are being requested and that there was no consideration of realigning roads and for the orientation of buildings 5, 6, and 1. Does not believe that there was an effort to reorient the buildings and roadways.

Commissioner Wussow:

- Questioned if it would be possible based on alignment of existing utilities and other site conditions.

Commissioner Malloy: recognized that the Commission did not have adequate information to make that determination.

•

Commissioner Shaver: as a stand alone project, this development is attractive.

Commissioner Wussow: the existing PUD is starting to show its age. She would like to see a smoother transition to the existing neighborhood.

- Commissioner Dehm: the parking issue relates to the original development. It is not entirely fair to have the last development solve the parking problem.
- Malloy pointed out that the development meets the parking requirement.
- Commissioner Dehm preferred use of lighter colors, the density appears to be fine.

Motion approved unanimously.

Action item 2: Major Site/Architectural Plan Review – to allow for the construction of 29 multifamily residential townhome units in six buildings.

Commissioner Malloy moved to approve Action item 2 with the findings and conditions found in the staff report and with the following additional conditions-

1. Landscaping shall be increased on the east side of Culver Circle shall be increased to provide screening along the backs of Buildings 4, 5 and 1; and, additional landscaping shall be provided along the east property boundary of Spirit Mountain Park and parcel 6 to help screen the airport from both units and to enhance the feeling of the park;
2. Applicant shall return Cardiff Road to the same or similar condition prior to construction;
3. Require that ten percent, f the total number of units in Building 1, or 4 units, are ADA-compatible.

Second by Commissioner Shaver.

Commissioners Shaver and Malloy discussed the landscaping requirement. Clarifying that what is meant by landscaping is not turf grass but rather an addition of trees and shrubs.

Commissioner Grosscup: Asked if the Commission wanted to address building color in these conditions.

The Commission decided not to address color.

Motion approved unanimously.

Action item 3: Preliminary plat – to allow for the condominiumization of 29 multi-family residential townhome units in six buildings and the creation of Tract J for Spirit Mountain Park.

Commissioner Malloy moved to approve Action item 3 with the findings 1 through 7 as found in the staff report except for the following changes to findings 2 and 3:

2. Will comply with the applicable zoning district standards as revised by this PUD amendment;
3. Will comply with the use, dimensional, design, and development standards in this PUD as hereby amended.

Commissioners clarified that Council would be considering all three of the action items.

Seconded by Commissioner Shaver.

Motion approved unanimously

Jenn Ooton returned to the meeting.

1. Director Comments

Jenn Ooton announced an open house for vacation rentals in January. Time is to be determined. There is a 4-month moratorium on processing applications.

The city is working with an artist to design a sculpture on the north landing. A charrette will be held December 5 at the Community Center.

2. Commissioner Comments

Commissioner Wussow reported that she attended a land law class in Denver on November 8 and 9. She has all of the presentation which she will send to the Commission. One of the big take-aways is the importance of the dialogue between commissioners and questions to the applicant. She recommended adding a paragraph to the staff reports indicating that applicants properly followed notification procedures.

Commissioner Shaver: asked about how staff determines its recommendations. Individually staff prepares reports and crafts conditions but, staff reports are reviewed by many staff members prior to finalization. Jenn Ooton pointed out that she and Gretchen Ricehill confer with regard to code interpretations. Staff works closely with the applicant during all stages of the application process.

3. Adjournment

ORDINANCE NO. 20

Series of 2015

**AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, AMENDING THE CARDIFF GLEN PLANNED UNIT
DEVELOPMENT TO ELIMINATE THE REQUIREMENT TO
CONSTRUCT A COMMUNITY CENTER REFERRED TO AS THE
“ROUNDHOUSE”, MODIFY OPEN SPACE REQUIREMENTS, AND
REQUIRE IMPROVEMENTS IN GRAND RIVER PARK.**

WHEREAS, the Glenwood Springs City Council approved, in Ordinance No. 3, Series of 1999, a rezoning of a 21.75 acre parcel from R/4 to Planned Unit Development, to be known as Cardiff Glen P.U.D.; and

WHEREAS, two of the requirements of the approved Cardiff Glen P.U.D. were construction of a roundhouse community center (the “Roundhouse”) and the required open space areas on Lots 95 and 96; and

WHEREAS, the developers of the Cardiff Glen P.U.D. and other circumstances have substantially changed since the initial approval of the P.U.D, and the current developer of Lots 95 and 96 has requested that the requirement for the Roundhouse be eliminated, that alternative improvements be made in Grand River Park, and has also requested a modification of the open space requirements on Lots 95 and 96; and

WHEREAS, the City’s Planning and Zoning Commission, at its July 28, 2015 meeting, conducted a public hearing and recommended amending the Cardiff Glen P.U.D. by eliminating the Roundhouse and in lieu thereof require certain improvements in Grand River Park, and modifying the common and active open space requirements on Lots 95 and 96; and

WHEREAS, City Council considered the Planning and Zoning Commission’s recommendations at its regular meeting on August 20, 2015 and affirmed the findings of the Planning and Zoning Commission and eliminated the Roundhouse and in lieu thereof require certain improvements in Grand River Park, and modifying the common and active open space requirements on Lots 95 and 96; and

WHEREAS, City Council found that the proposed amendments are consistent with the City’s Comprehensive Plan, other adopted City plans, the Municipal Code, and the City’s goals and policies; and

WHEREAS, the Glenwood Springs Municipal Code requires that an ordinance be enacted to effectuate the amendments as granted.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, ORDAINS THAT:

Section 1. The recitals above are hereby adopted as findings.

Section 2. The Cardiff Glen P.U.D. is hereby amended subject to the following contingencies, which have been agreed to by the developer:

1. The active open space and common open space areas and improvements on Lots 95, 96, and in Grand River Park shall be as presented in Exhibits A and B, attached hereto and incorporated herein.
2. Maximum number of units on Lot 95 shall be limited to four (4) and maximum number of units on Lot 96 shall be limited to twenty-five (25).
3. Completion of active open space improvements per Exhibits A and B shall occur prior to issuance of any Certificate of Occupancy on Lots 95 or 96.
4. The amendment of the PUD as presented in Exhibits A and B in lieu of the elimination of the Roundhouse and changes in common and active open space on Lots 95 and 96 is contingent upon the submittal of an agreement between all the homeowners associations and owners of Lots 95 and 96 regarding shared maintenance of improvements no later than February 1, 2016. In the event no agreement is provided by this date, the Cardiff Glen PUD is amended to eliminate the roundhouse requirement but shall retain the original requirements as contained in Ordinance 3, Series of 1999, for common open space and active open space on Lots 95 and 96.
5. Full details on all proposed open space improvements shall be submitted for the review and approval of City staff prior to February 1, 2016 i.e. utility plans, landscape plans, furniture specifications, pavement/sidewalk improvements, architectural plans and materials for gazebo, number of picnic tables, grills, etc.
6. Upon City approval of proposed open space plans, an engineer's estimate for all private improvements shall be provided with proposed method of security. The proposed form of security shall be subject to the approval of the City Attorney.
7. Evidence of legal authorization from the Cardiff Glen Master Association, or some other legally binding agreement between the homeowners associations, as approved by the City's legal counsel, will be required for construction of improvements in Grand River Park, as well as agreement to acquire ownership and maintenance of alternative improvements.
8. If any improvements on Lots 95 or 96 are to be active open space improvements for all of the Cardiff Glen residents, the area where these improvements are

located should be designated as a separate tract for transfer of ownership of common area to the Cardiff Glen Master Association. This can be achieved via a minor subdivision, or some other format, i.e. agreement.

9. No Certificates of Occupancy shall be issued on Lots 95 and 96 until all plans and materials for private improvements have been reviewed and approved by City staff, security is provided per approved engineer's estimate, method of securing private alternative improvements is approved by the City Attorney, and all alternative open space improvements are constructed. An amendment to the Cardiff Glen Subdivision Improvement Agreement shall be recorded to memorialize the requirements for private improvements prior to the construction of such improvements.

Section 3. The City Clerk is hereby directed to file for recording one (1) certified copy of this ordinance with the Garfield County Clerk and Recorder.

Section 4. Any and all ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict only.

INTRODUCED, READ ON FIRST READING, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY THIS 3rd DAY OF September, 2015.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Catherine Mythen
Catherine Mythen, City Clerk



Michael Gamba Mayor

INTRODUCED, READ ON SECOND READING, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND PUBLICATION, THIS 17th DAY OF September, 2015.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Catherine Mythen
Catherine Mythen, City Clerk



Michael Gamba Mayor

Exhibit A

Common and Active Open Space Areas

Lot 95 – Common Open Space to be 19,246 sq. ft.

Active Open Space to be 17,302 sq. ft.

Lot 96 – Common Open Space to be 21,210 sq. ft.

Active Open Space to be 7,000 sq. ft.

Active Open Space Improvements Lot 95 and Grand River Park

Lot 95 - Improvements:

- Playground
- (3) Horseshoe Pits
- (1) Sand Volleyball Court
- (1) 10'x10' Gazebo with Picnic Table
- (4) On Street Parking Spaces
- (14) Off Street Community Parking Spaces
- Landscaping
- Hydroseeding
- Irrigation
- Concrete Sidewalks (2,200 SF)

Grand River Park - Improvements:

- (1) 20'x35' Pavilion w/ Picnic Tables & BBQ Grill
- (1) 16'x16' Pavilion w/ Picnic Tables & BBQ Grill
- (6) Park Benches
- Relocated Playground
- Concrete Sidewalk
- Crushed Granite Paths
- Cobble Planting Beds
- (4) On Street Parking Spaces
- Parking Removal (Existing diagonal parking spaces along the park perimeter to be adjusted to eliminate tandem parking.
- Landscaping
- Hydroseeding
- Irrigation



EXHIBIT B

SIXTH AMENDMENT TO
CARDIFF GLEN SUBDIVISION IMPROVEMENTS AGREEMENT

This Sixth Amendment to the Cardiff Glen Subdivision Improvements Agreement ("Sixth Amendment") is entered into as of February 1, 2016, by and between CARDIFF 96, LLC, a Colorado limited liability company ("Developer") and the CITY OF GLENWOOD SPRINGS, COLORADO ("City").

A. The City and Developer are parties to that certain Cardiff Glen Subdivision Improvements Agreement dated June 22, 1999 and recorded June 24, 1999, Book 1136 and Page 905, and Reception No. 547817, in the records of the Clerk and Recorder of Garfield County, Colorado ("Original Subdivision Agreement"). The Original Subdivision Agreement was amended by the First Amendment to Cardiff Glen Subdivision Improvements Agreement dated April 5, 2001 and recorded April 6, 2001, Book 1243 at Page 502, and Reception No. 578838, in the records of the Clerk and Recorder of Garfield County, Colorado ("First Amendment"), further amended by the Second Amendment to Cardiff Glen Subdivision Improvements Agreement recorded December 4, 2003, Book 1544 at Page 507, and Reception No. 642296, in the records of the Clerk and Recorder of Garfield County, Colorado ("Second Amendment"), further amended by the Third Amendment to Cardiff Glen Subdivision Improvements Agreement recorded April 20, 2004, Book 1579 at Page 462, and Reception No. 650500, in the records of the Clerk and Recorder of Garfield County, Colorado ("Third Amendment"), further amended by the Fourth Amendment to the Cardiff Glen Subdivision Improvements Agreement recorded August 3, 2004, Book 1610 at Page 415, and Reception No. 657172, in the records of the Clerk and Recorder of Garfield County, Colorado ("Fourth Amendment"), and further amended by the Fifth Amendment to the Cardiff Glen Subdivision Improvements Agreement recorded September 2, 2005, Book 1723 at Page 412, and Reception No. 681592, in the records of the Clerk and Recorder of Garfield County, Colorado ("Fifth Amendment"). The Original Subdivision Agreement, as amended by the First Amendment, Second Amendment, Third Amendment, Fourth Amendment and Fifth Amendment, may also be referred to collectively as the "SIA".

B. On September 3, 2015, the City passed Ordinance No. 20 Series of 2015 (the "Ordinance") amending the Cardiff Glen Planned Unit Development. Among other things, the Ordinance described circumstances and conditions whereby the Developer would be required to construct certain improvements in the Planned Unit Development (the "Improvements") The Ordinance is incorporated herein by this reference.

C. Developer and the City now desire to further amend the SIA as described in this Sixth Amendment.

NOW THEREFORE, in consideration of the covenants, terms and conditions herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the SIA is amended as follows:

1. SIDEWALK AND PARKING IMPROVEMENTS. Developer shall construct and complete all improvements shown, depicted and described on the Plans for Construction of

Cardiff Glen Grand River Park and Lot 95 Sidewalk and Parking Improvements dated September 1, 2016 attached hereto and incorporated by reference as Exhibit A.

2. LANDSCAPE IMPROVEMENTS. Developer shall construct and complete all improvements shown, depicted and described on the Cardiff Glen Grand River Park Landscape Plan dated April 19, 2016 attached hereto and incorporated by reference as Exhibit B.

3. OPEN SPACE IMPROVEMENTS. Developer shall construct and complete all improvements shown, depicted and described on the plan for Cardiff Glen Open Space Improvements attached hereto and incorporated by reference as Exhibit C.

4. COST AND COMPLETION OF IMPROVEMENTS. Improvements shall be constructed and paid for by the Developer in accordance with all relevant provisions of the Glenwood Springs Municipal Code, accompanying policies and Plans as depicted in Exhibits A, B, and C. Upon Developer's completion of Improvements, Developer's engineer shall certify in writing to the City that the Improvements have been completed in conformance with the Plans, and upon receipt the City will provide a copy of the certification to the appropriate Homeowner Association(s) in the Cardiff Glen Planned Unit Development, who shall have ten (10) business days thereafter to provide any comments to the City. The City shall inspect the improvements and determine their conformity or lack thereof to the Plans and Specifications, taking into account any comments received from the Association(s). Within twenty (20) business days after receipt of the Developer's certification, the City shall either approve the Improvements or send written notice requiring the Developer to make the necessary corrections to bring the Improvements into conformity to the Plans. If the City fails to respond within said time frame, the improvements shall be deemed approved. Once the Improvements are approved by the City, the Developer shall convey title to the Improvements to the appropriate Homeowner Association(s). Developer shall at his own expense have as-built drawings prepared by a professional engineer in conformance with, and in a format as required by, the Municipal Code.

5. SECURITY FOR COMPLETION OF IMPROVEMENTS. The Developer shall complete the Improvements prior to issuance of a building permit for the construction of any building in Lot 95 or Lot 96. If Developer requires a building permit for a building in either of those Lots prior to the completion of the improvements, Developer shall provide security to the City for the completion of the Improvements in a form that is acceptable to the City in accordance with the Municipal Code in the amount of the Improvements still to be completed. Exhibit D attached hereto and incorporated by reference shows the engineering cost estimates for the Improvements.

6. OWNERSHIP AND MAINTENANCE. Cardiff Glen Master Association, Cardiff Glen Residences Homeowners Association, Studio 3 Land Company, LLC and Village Homes of Colorado Inc. entered in to a Joint Use and Cost Sharing Agreement regarding certain ownership, maintenance and cost sharing of the improvements within the Cardiff Glen P.U.D., recorded April 20, 2004, as Reception No. 650496 (the "JUCSA"). On April 19, 2016, Cardiff Glen Master Association, Cardiff Glen Residences Homeowners Association, Cardiff Glen II Owners Association, Inc. and Cardiff 96, LLC entered in to a First Amendment to Joint Use and Cost Sharing Agreement regarding the Ordinance and the Improvements described herein,

recorded December 22, 2016, as Reception No. 886890. Ownership of the Improvements and cost and maintenance obligations responsibilities for the Improvements once completed shall be in compliance with the JUCSA, as amended.

7. COUNTERPARTS. This Sixth Amendment may be executed in one or more counterparts which, when taken together, shall constitute but one and the same agreement.

8. MODIFICATION. Except as expressly modified herein no other terms and conditions of the SIA are intended to be affected by this Sixth Amendment.

9. AUTHORITY. Each person signing this agreement represents and warrants that said person is fully authorized to enter into and execute this Sixth Amendment and to bind the party it represents to the terms and conditions hereof.

IN WITNESS WHEREOF, the parties have signed this Sixth Amendment to be effective upon the date on which the last of the parties signs below.

CITY OF GLENWOOD SPRINGS, COLORADO

By: [Signature]
Michael Gamba, Mayor

Attest:

By: Catherine Mythen Fletcher
Catherine Mythen, City Clerk

CARDIFF 96, LLC

By: [Signature]
Eric Fisher, Manager

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

The foregoing instrument was acknowledged before me this 1st day of February, 2016 by Michael Gamba, Mayor of the City of Glenwood Springs, Colorado.

WITNESS my hand and official seal.

My commission expires: 2/27/2020

MARY LOU HAFLINGER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID #20044007023
My Commission Expires February 27, 2020

[Signature]
Notary Public

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)



Reception#: 888526
02/03/2017 10:40:52 AM Jean Alberico
4 of 32 Rec Fee:\$168.00 Doc Fee:0.00 GARFIELD COUNTY CO

The foregoing instrument was acknowledged before me this 17 day of Jan, 2018 by Eric Fisher as Manager of Cardiff 96, LLC, a Colorado limited liability company.

WITNESS my hand and official seal.

My commission expires: 1/21/18


Notary Public





ASPEN BUILT HOMES

PLANS FOR
CONSTRUCTION
OF

CARDIFF GLEN GRAND RIVER PARK AND LOT 95 SIDEWALK AND PARKING IMPROVEMENTS

SEPTEMBER 1, 2016

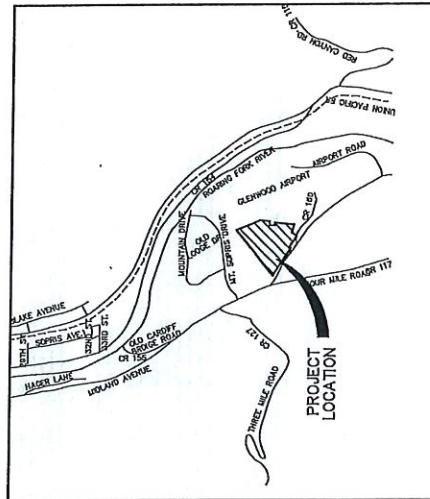
NO.

TITLE

C1
C2
C3
C4
C5
C6
C7
C8
C9
C10

COVER SHEET
GENERAL NOTES

GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (20 SCALE)
GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (SOUTH PORTION 10 SCALE)
GRAND RIVER PARK GRADING DRAINAGE & EROSION CONTROL PLAN (NORTH PORTION 10 SCALE)
LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (20 SCALE)
LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (SOUTH PORTION 10 SCALE)
LOT 95 GRADING DRAINAGE & EROSION CONTROL PLAN (NORTH PORTION 10 SCALE)
SIDEWALK AND PARKING ACCESS/LOT PROFILES
TYPICAL SECTIONS & DRAINAGE AND EROSION CONTROL DETAILS



VICINITY MAP

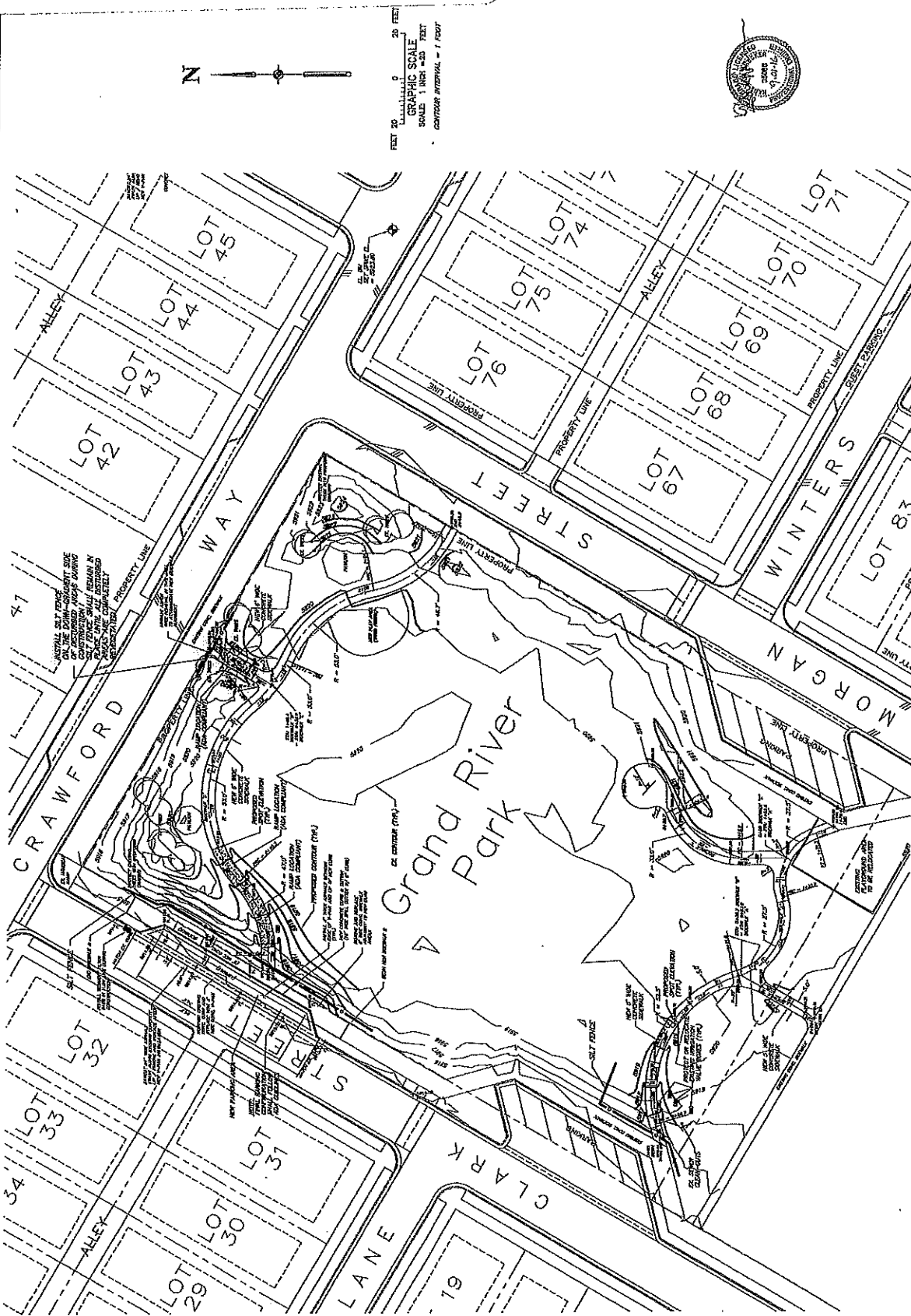


PINNACLE DESIGN CONSULTING GROUP, INC.

CONSULTING ENGINEERS • 805 BUCK POINT ROAD
CARBONDALE, CO • (970) 963-2170

JOB NO. 9016.06

EXHIBIT A

[illegible]

GRAPHIC SCALE
SCALE: 1 INCH = 10 FEET
CONTOUR INTERVAL = 1 FOOT

NORTH ARROW

CALIFORNIA SEAL

Site Plan Details:

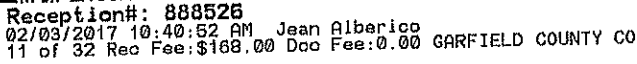
- SILT FENCE**: Located along the bottom edge.
- PARKING**: Two designated areas, one near the bottom left and another near the top right.
- NEW 5' WIDE CONCRETE SIDEWALK**: Multiple locations indicated throughout the plan.
- EXISTING CONC. SIDEWALK**: Several sections shown.
- PROPOSED SPOT ELEVATION (TYP.)**: Indicated near the center.
- PROTECT OR RELOCATE EXISTING IRRIGATION VALVE BOXES (TYP.)**: Note near the bottom center.
- ELEVATIONS**: Numerous spot elevations such as 5919, 5920, 5921, 5922, 5923, etc.
- CURVES**: Radii like R=33.0', R=27.5', R=27.3', and PRC values like PRC=14.35.7.
- STATIONING**: Various station numbers along the paths.
- PROPERTY LINE**: Dashed lines indicating boundaries.
- EXISTING PLAYGROUND AREA TO BE RELOCATED**: Labeled on the right side.
- EX SENSER CLEAN-OUT'S**: Located near the bottom left.

[illegible]

FEET 10 0 10 FEET
 GRAPHIC SCALE
 SCALE: 1 INCH = 10 FEET
 CONTOUR INTERVAL = 1 FOOT

[illegible]

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Reception#: 888526
02/03/2017 10:40:52 AM Jean Alberico
11 of 32 Rec Fee:\$168.00 Doc Fee:0.00 GARFIELD COUNTY CO

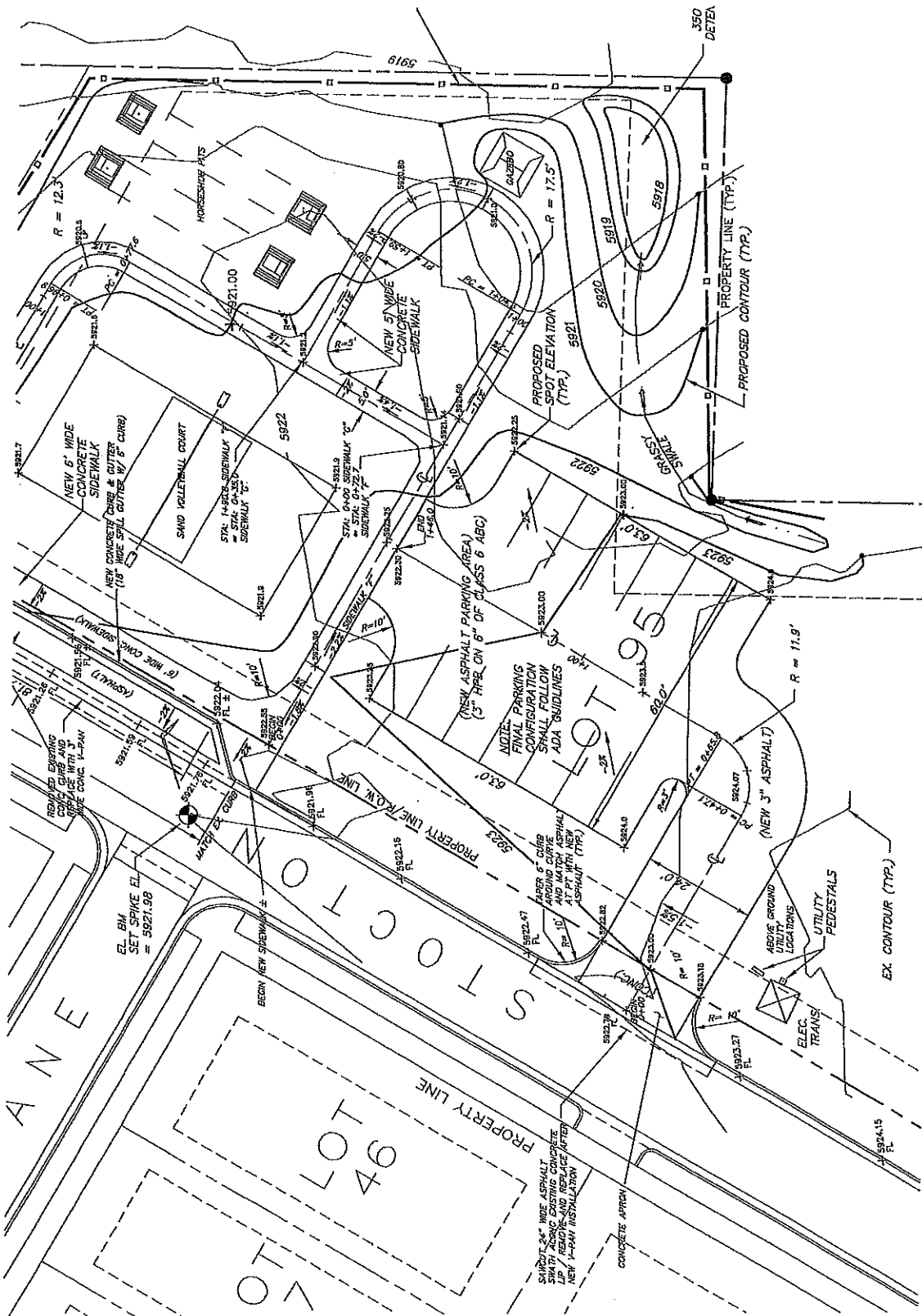
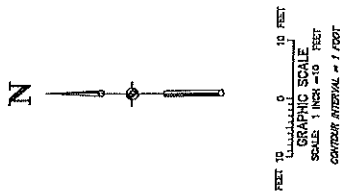
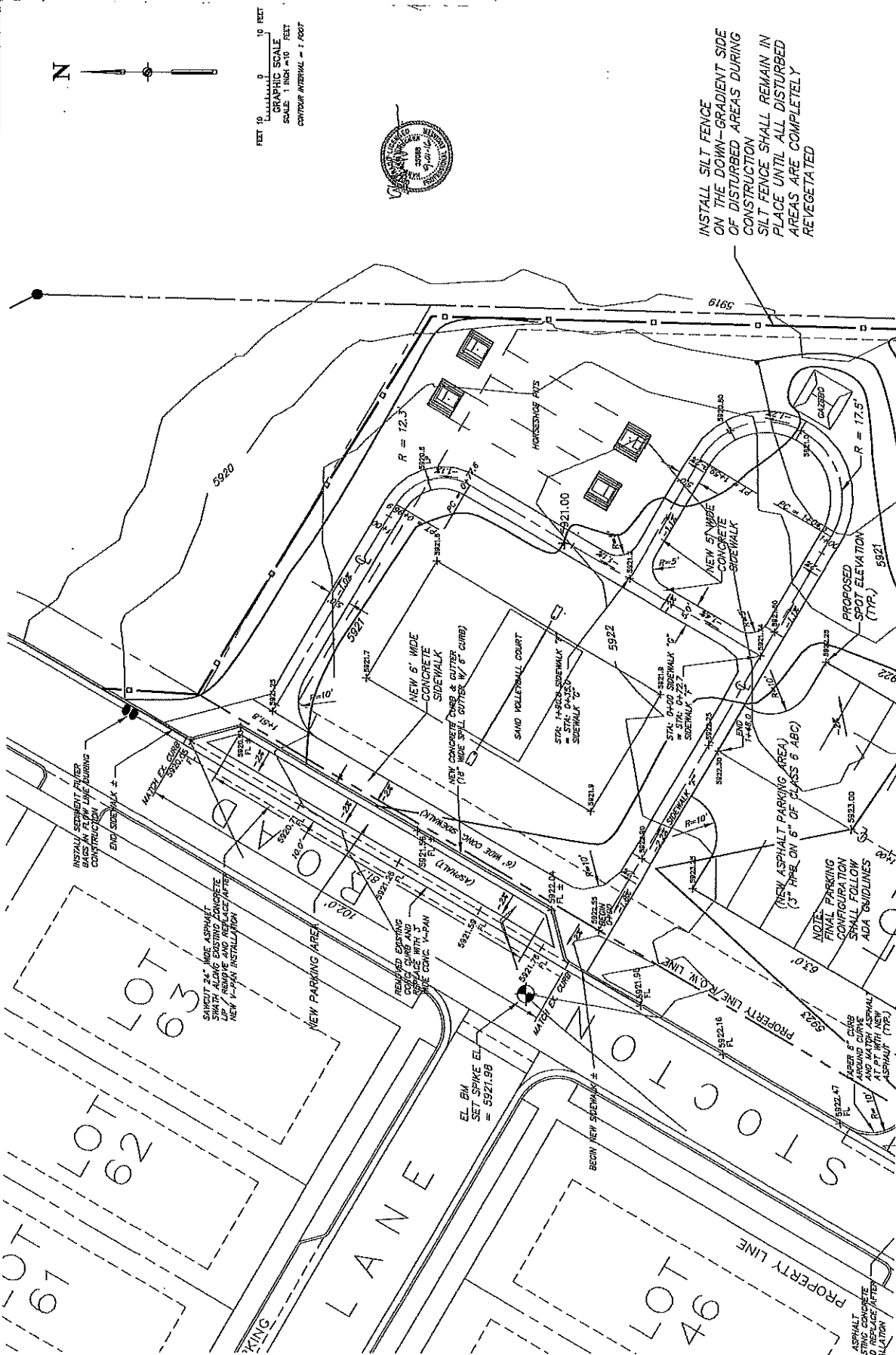
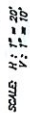
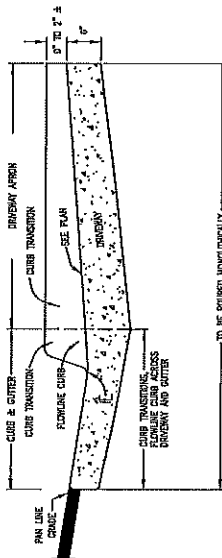
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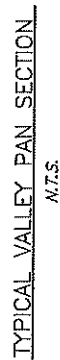
EXHIBIT A.

[illegible]

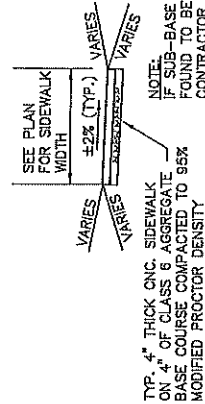
Packet Page 422



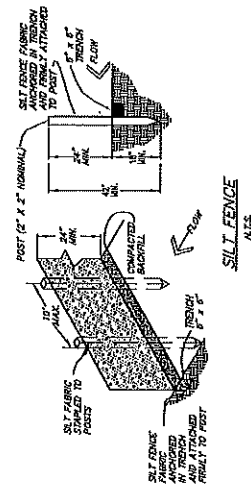
CONSTRUCTION OF CONCRETE GUTTERS AT INTERSECTION



ACCESS DRIVE CURB-CUT SECTION
N.T.S. CLASS 6" AGGREGATE
BASE COURSE COMPACTED TO
95% OF MODIFIED PROCTOR
DENSITY



TOP 4" THICK CONC. SIDEWALK
ON 6" CLASS 6 AGGREGATE
BASE COURSE COMPACTED TO 95%
MODIFIED PROCTOR DENSITY



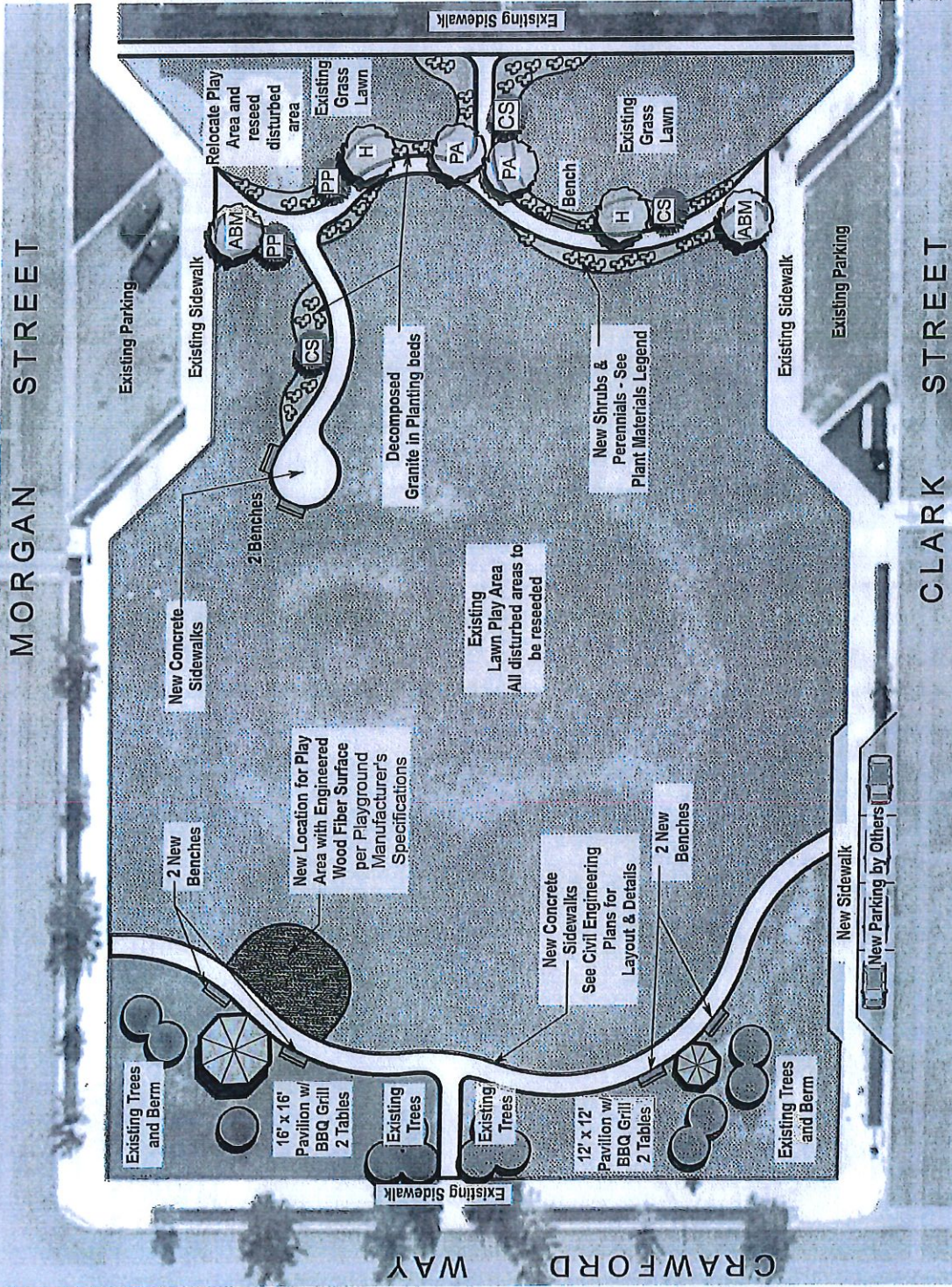
① — GUTTER CROSS SLOPES SHALL BE 0.04 FT/FT WHEN DRAINING AWAY FROM CURB AND 0.05 FT/FT WHEN DRAINING TOWARD CURB.

LEGEND FOR RADII
A = 1/8" TO 1/4"
B = 1"
C = 1 1/2"
D = 1 1/2" TO 2"

ORDER # _____ H.E.B. _____	ORDER # _____ H.E.B. _____	Pinnacle Design Consulting Group, Inc. Consulting Engineers • 606 N. 1st Street Chandler, AZ 85226 • 602-962-1070	PROJECT # _____ DATE _____ FROM _____	PAPER: 1 DATE: 7-27-18 2 7-28-18 3 8-12-18 4 8-01-18	REASON: 1 REASON: 2 COMMENTS: 1 COMMENTS: 2 COMMENTS: 3 COMMENTS: 4	BY: H.E.B. H.E.B. H.E.B. H.E.B. H.E.B.	ASPEN, COLORADO ASPEN BUILT HOMES CARDIFF GLEN GRAND RIVER PARK AND LOT 95 TYPICAL SECTIONS AND DETAILS	SCD: H.E.B. DATE: 8-14-18 C10
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MORGAN STREET

CLARK STREET



Plant Materials Legend

Qty	Size	Common Name	Botanical Name
2	ABM	Autumn Blaze Maple	Acer x freemantli
2	PA	Autumn Purple Ash	Fraxinus americana 'Autumn Purple'
2	H	Stedmanster Honeylocust	Gleditsia triacanthos Shadomaster
2	CS	10' H Colorado Spruce	Picea pungens
2	PP	10' H Ponderosa Pine	Pinus ponderosa
9	#5	Nearly Wild Rose	Rosa x 'Nearly Wild'
9	#5	Isanti Dogwood	Comus sericea 'Isanti'
9	#5	Blue Mist Shrub	Caryopteris x davidsonis 'Dark Knight'
9	#5	Heavy Metal Shrub	Pericoma virginicum 'Heavy Metal'
12	#1	Blue Avena Grass	Hedera helix 'Goldrum'
12	#1	Black Eyed Susan	Rubus idaeus 'Goldrum'
12	#1	'Yellow' Yarrow	Adonis vernalis
12	#1	Blue Chipping Phlox	Phlox subulata 'Emerald Cushion'
12	#1	Walker's Low Juniper	Nepeta x Walker's Low
6	#1	Russian Sage	Perovskia alticola
12	#1	Daylily	Hemerocallis hybrids
12	#1	Conflower Purple Magnolia	Echinacea purpurea 'Magnus'

Reseed all disturbed lawn areas with Rivenell's Bluegrass Blend. Seeding Rate: SLbs per 1,000 sq.ft.

Notes:

1. Decomposed Granite, tan in color, to be spread in two (2) two inch (2") lifts. Wet and tamp each lift to form a uniform, smooth surface with a cross slope of 2%, compact each lift. Upon completion of the final lift, fill any depressions, holes or divots and tamp again. See Sheet L3 for additional specifications.
2. Warranty plants and trees for one year after final acceptance. Replace dead or dying materials not in vigorous, thriving condition as soon as weather permits. See Sheet L3 for additional specifications.
3. Determine locations of underground utilities and perform work in a manner which will avoid possible damage.
4. Plants shall be specimen quality, typical of their species or variety. See Sheet L3 for additional specifications.
5. Plant trees and shrubs in pits per specifications on Sheet L3, backfill with a mix of 2 parts topsoil, 1 part compost, and 1 part sand.
6. See Civil Engineering Plans for layout and detail of new sidewalks and new parking area.



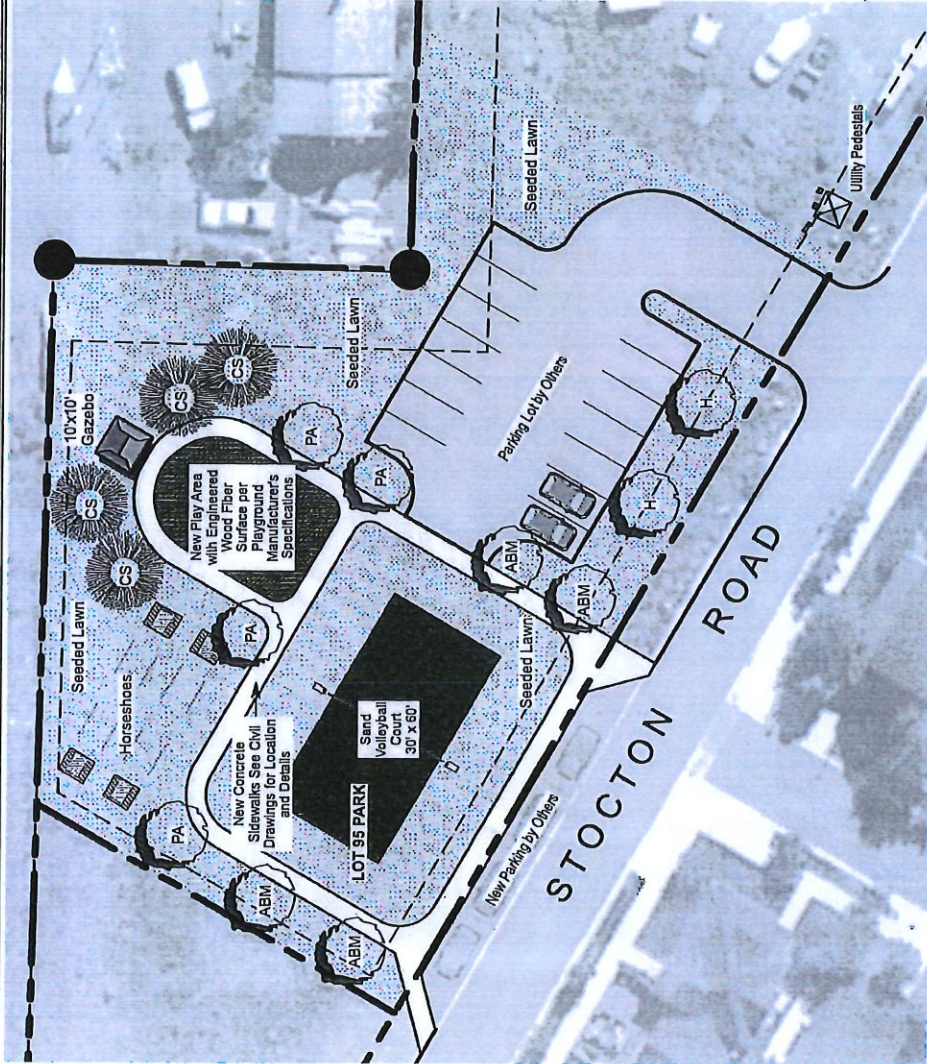
7. Specifications and installation details of new benches, pavilions, BBQ grills, tables and play area to be provided by others.

NO.	Revisions	By	Date	Appr'd	Date	By	Date
1	Initial Design Preparation						
2	Final Design Preparation						
3	Final Design Preparation						
4	Final Design Preparation						
5	Final Design Preparation						
6	Final Design Preparation						
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98	Final Design Preparation						
99	Final Design Preparation						
100	Final Design Preparation						

LANDSTUDIO LLC
 325 New York Ave
 Suite 200
 Denver, CO 80202
 (303) 733-1111
 info@landstudio.com
 www.landstudio.com

Revisions									
NO.	Description	By	Date	Appr'd	Date	By	Date	Digital Drawing Signature	
1	Unapproved Plotting for Review	DJP	4/14/18			Don	4/14/18		
2	Unapproved Plotting Started Drawing	DJP	4/14/18			Don			
3	Unapproved Plotting Started Drawing	DJP	7/24/18			Approved			
4						Client Approved			

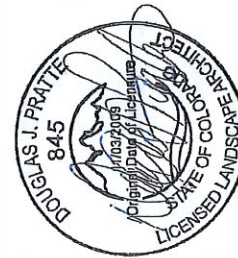
EXHIBIT B



Plant Materials Legend:

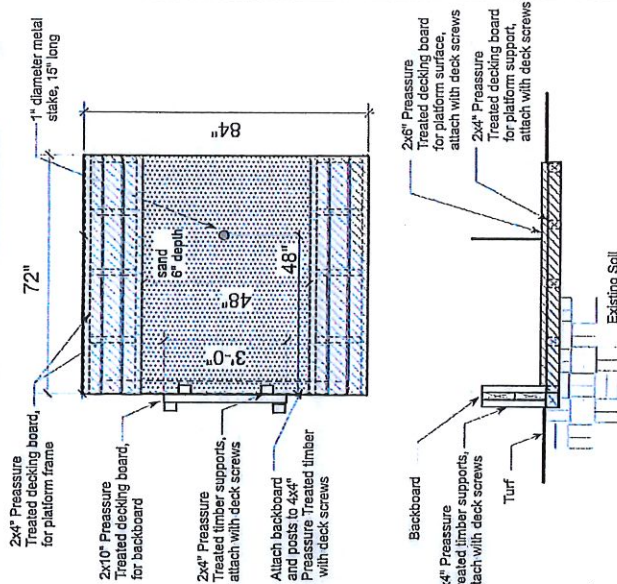
Plant materials Legend		
Qty	size	Common Name Botanical Name
4	4 BM	Acer x freemanii
4	4 PA	Autumn Blaze Maple Fraxinus americana 'Autumn Purple'
2	2 H	Autumn Purple Ash Gleditsia triacanthos Shademaster
4	4 CS	Shademaster Honeylocust Picea pungens 10' ht. Colorado Spruce

Seed all lawn areas with Rivendell's Bluegrass Blend. Seeding Rate: 5Lbs per 1,000 sq.ft.



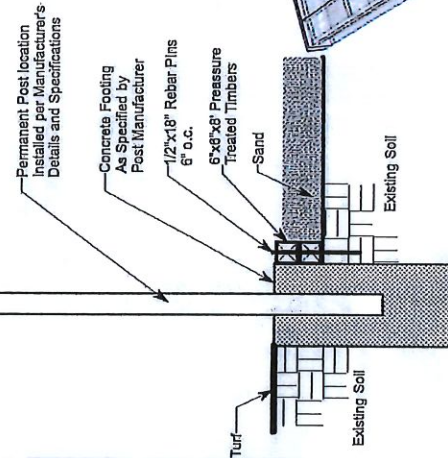
Notes:

1. Warranty plants and trees for one year after final acceptance. Replants dead or dying materials not in vigorous, thriving condition as soon as weather permits. See Sheet L3 for additional specifications.
2. Determine locations of underground utilities and perform work in a manner which will avoid possible damage.
3. Plants shall be specimen quality, typical of their species or variety. See Sheet L# for additional specifications
4. Plant trees and shrubs in pits per Specifications on Sheet L3, backfill with a mix of 2 parts topsoil, 1 part compost, and 1 part sand.
5. Seed shall be hydraulically applied and followed by application of hydraulically applied mulch and shall be secured in place with a hydraulically applied tackifier. See Sheet L3 for specifications.
6. Specifications and installation details of new benches, pavilions, BBQ grills, tables and play area to be provided by others.



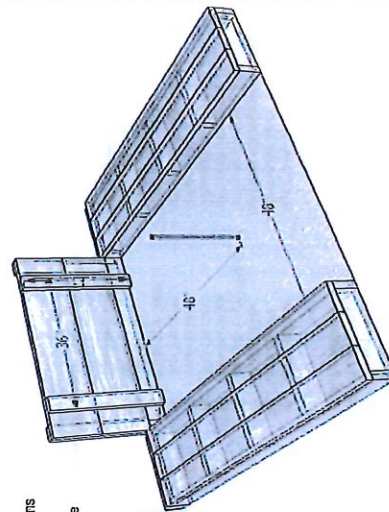
Horseshoe Pit Detail

no scale



Volleyball Court Detail

no scale



Rendite										Original Drafts Preparation			
No.	Description	BY	Date	Approved	Date	BY	Date	Drawn	Drawn				
(A)	Investigate Plan Draft for Budget	DJP	14/11/15			DJP		Drawn					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Checked					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Approved					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Drawn					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Checked					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Drawn					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Checked					
(A)	Investigate Plan Sample Drawing	DJP	14/11/15			DJP		Approved					



OWNER	Cardiff 96, LLC PO Box 3531 Basalt, Colorado 81621	SUBMITTAL
PROJECT	Cardiff Glen Lot 95 Deck	L2

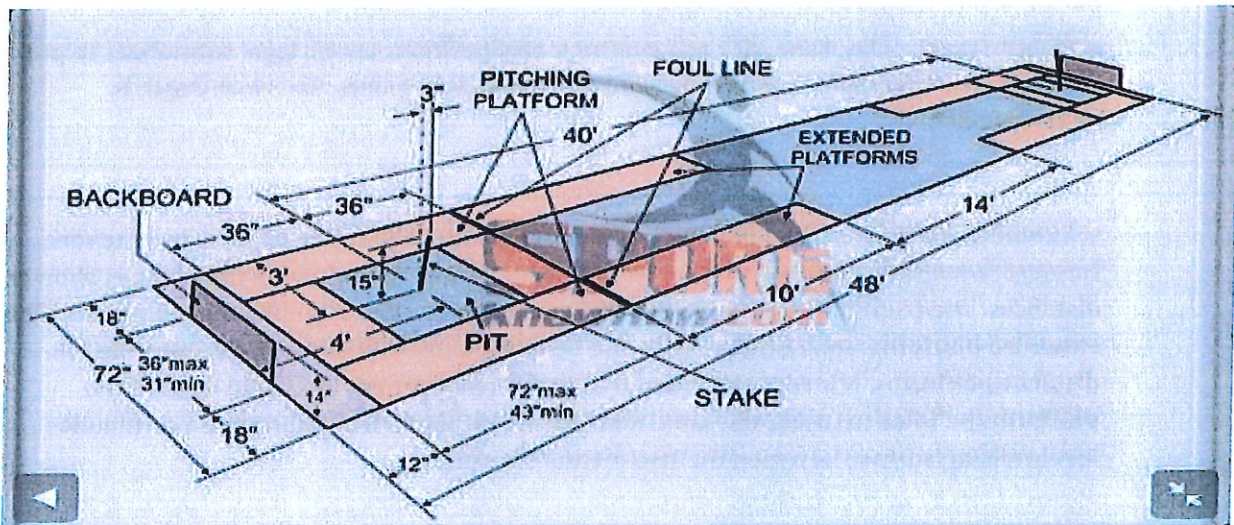
Reception#: 888526

Reception #: 000320
02/03/2017 10:40:52 AM Jean Alberico
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Cardiff Glen Open Space Improvements

1 Horse Shoe pits



Horse shoes and stake provided by other

EXHIBIT C



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1. **Dimensions** - A horseshoe court shall be a level rectangular area 6 ft wide and a minimum of 46 ft long. A north-south setting is recommended for outdoor courts to minimize the effects of the sun.

2. **Pitcher's Box** - The pitcher's box is the square 6 ft by 6 ft area at each end of the court. It is composed of 2 parts - 1) the pit, and 2) the pitching platforms.

a. **PIT** - The pit is a rectangular area filled with the substance onto which the shoes are pitched. Its maximum length (in the direction in which the shoes are pitched) is 72 inches and its minimum length is 43 inches. Its maximum width is 36 inches and its minimum width is 31 inches. The pit must be centered in the pitcher's box. If the pit is less than the maximum dimensions, the extra space shall be filled with the same material of which the platforms are made, or some other material different than the pit substance, and shall be level with the pit and platforms.

b. **Pitching Platforms** - The pitching platforms flank the pit to its left and right sides and are parallel to each other. They shall be level with each other and to the top of the pit. They shall be 18 to 20-1/2 inches wide (depending upon the width of the pit) and shall be a minimum of 6 ft. long.

3. **Stakes** - The stake is the target at which the shoe is pitched. Each stake shall be centered between the platforms with a minimum of 21 inches from the stake to the front and back of the pit. On regulation courts the stakes are 40 ft. apart. This is measured from the front of each stake level with the pitching platform. Stakes shall be 1 inch in diameter and may be made of cold-rolled steel, mild iron, soft metal or synthetic material. Each stake shall be no shorter than 14 and no higher than 15 inches above pit level and they shall both have an approximate 3 inch lean toward each other.

4. **Pit Substance** - Clay, sand, dirt and synthetic compositions are all legal substances to put in the pit. The minimum depth of the substance shall be 4 inches. An 8 inch depth is recommended.

5. **Extended Platforms** - The pitching platforms on either side of the pit shall be extended forward (toward the opposite pit) an additional 10 feet to accommodate pitching at shorter distances. The front of the extended platforms shall be 27 feet from the opposite stake. The extended platforms shall be level with and be of the same width and material as the full-distance platforms. It is recommended that the 14 feet between the front ends of the platforms be filled in (using the same material as the platforms) to provide a continuous level walking surface between the two pitcher's boxes.

EXHIBIT C



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6. Backboards & Protective Barrier

a. Backboards - Every pit should have a backboard. It should be at least 4 feet behind the stake, be at least 1 foot high and extend the width of the pit. For spectator visibility, a mesh netting or chain link material is recommended. If of solid material, it should be a color that will provide a contrasting background so as to keep the stake visible for the contestants.

b. Protective Barrier - All court complexes shall be surrounded by a protective barrier. The barrier should be at least 8 feet behind the stake. A chain link type fence at least 4 feet high is recommended.

7. Foul Lines - Foul lines shall be defined by lines extending across the front of the full-distance and extended platforms. This places them perpendicular to an imaginary line between stakes at 37 and 27 ft. respectively from the front of the opposite stakes. (Measured at the level of the pitching platform).

2 Volley Ball Court

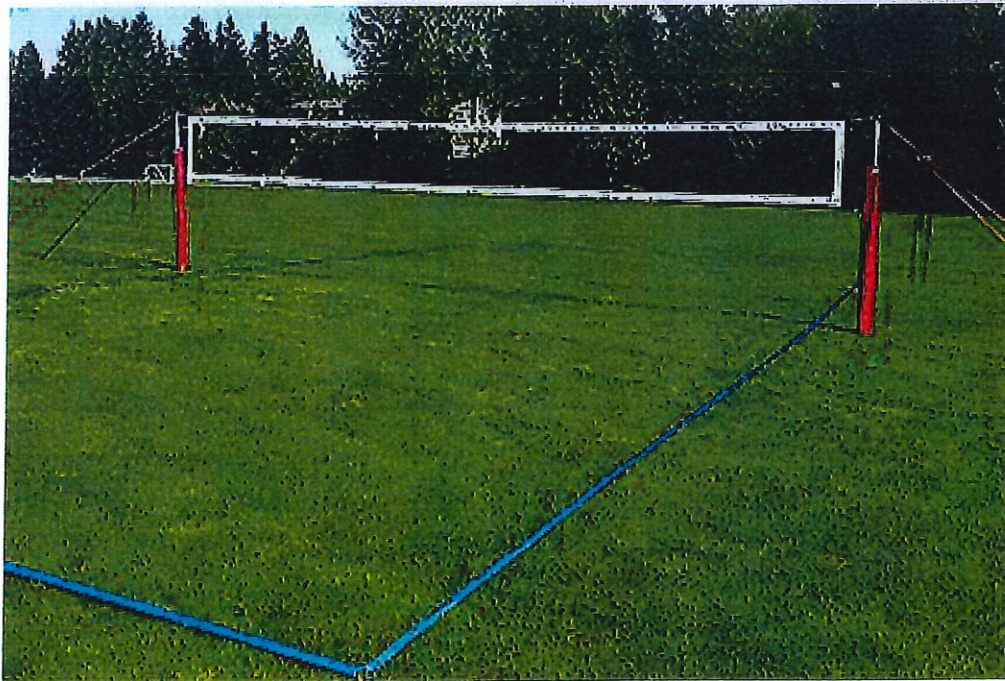
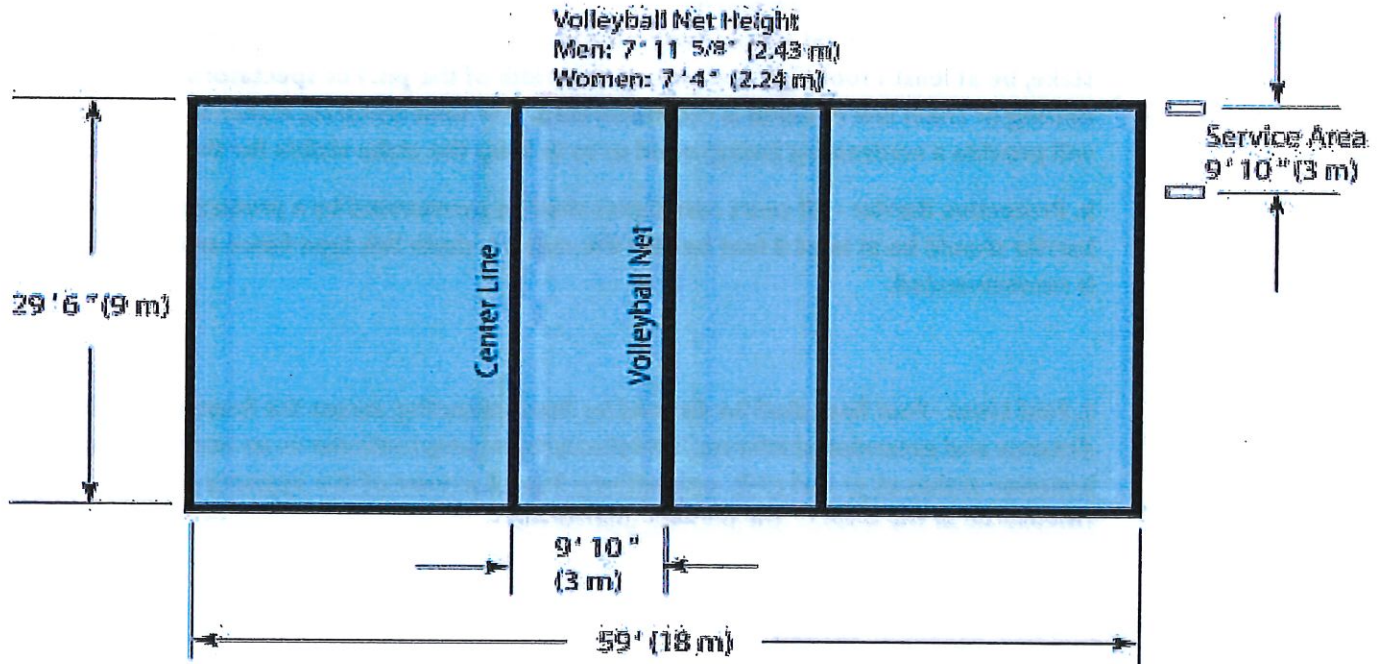


EXHIBIT C



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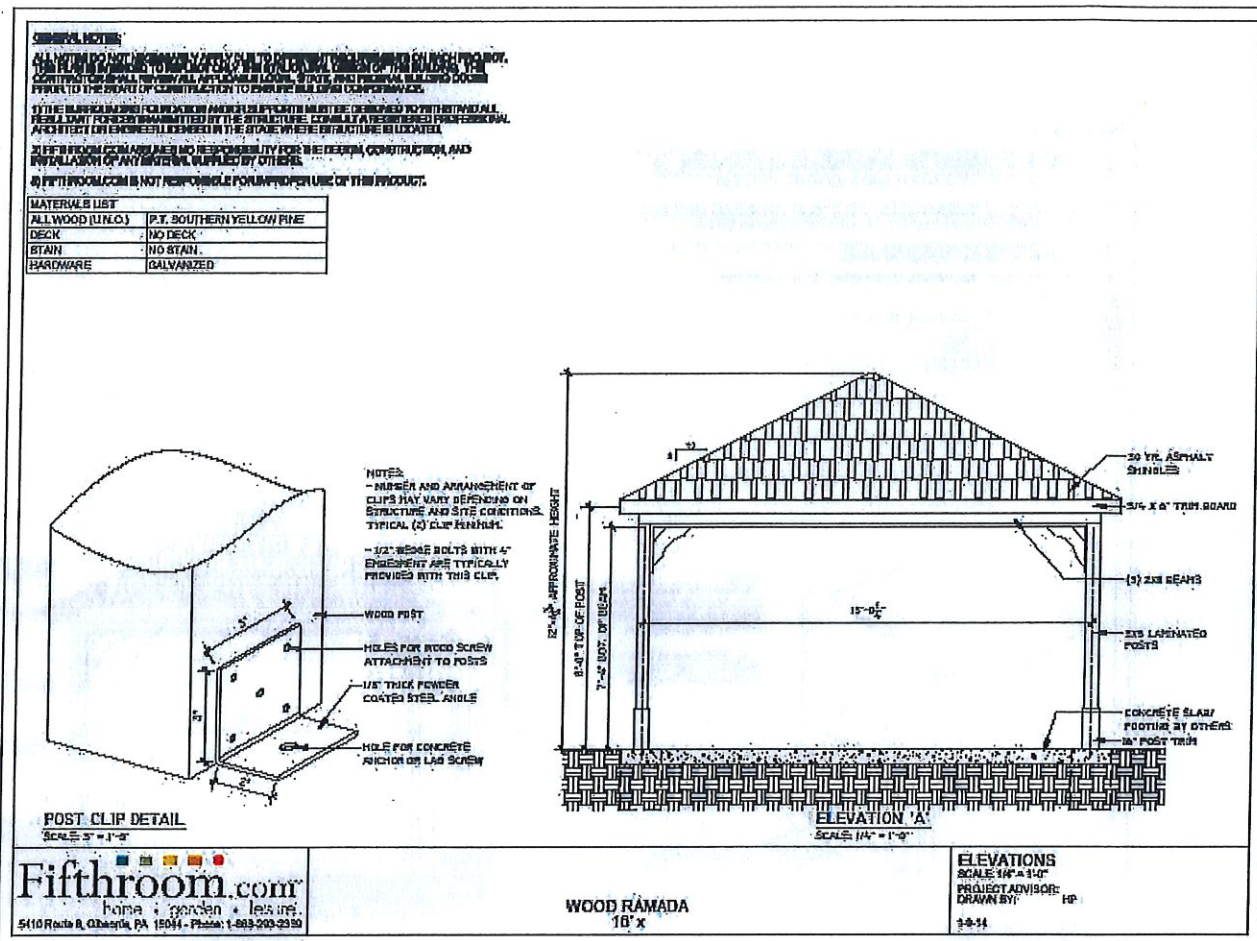
Volley ball, net and poles provided by others

EXHIBIT C



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3 Pavilion design 16X16



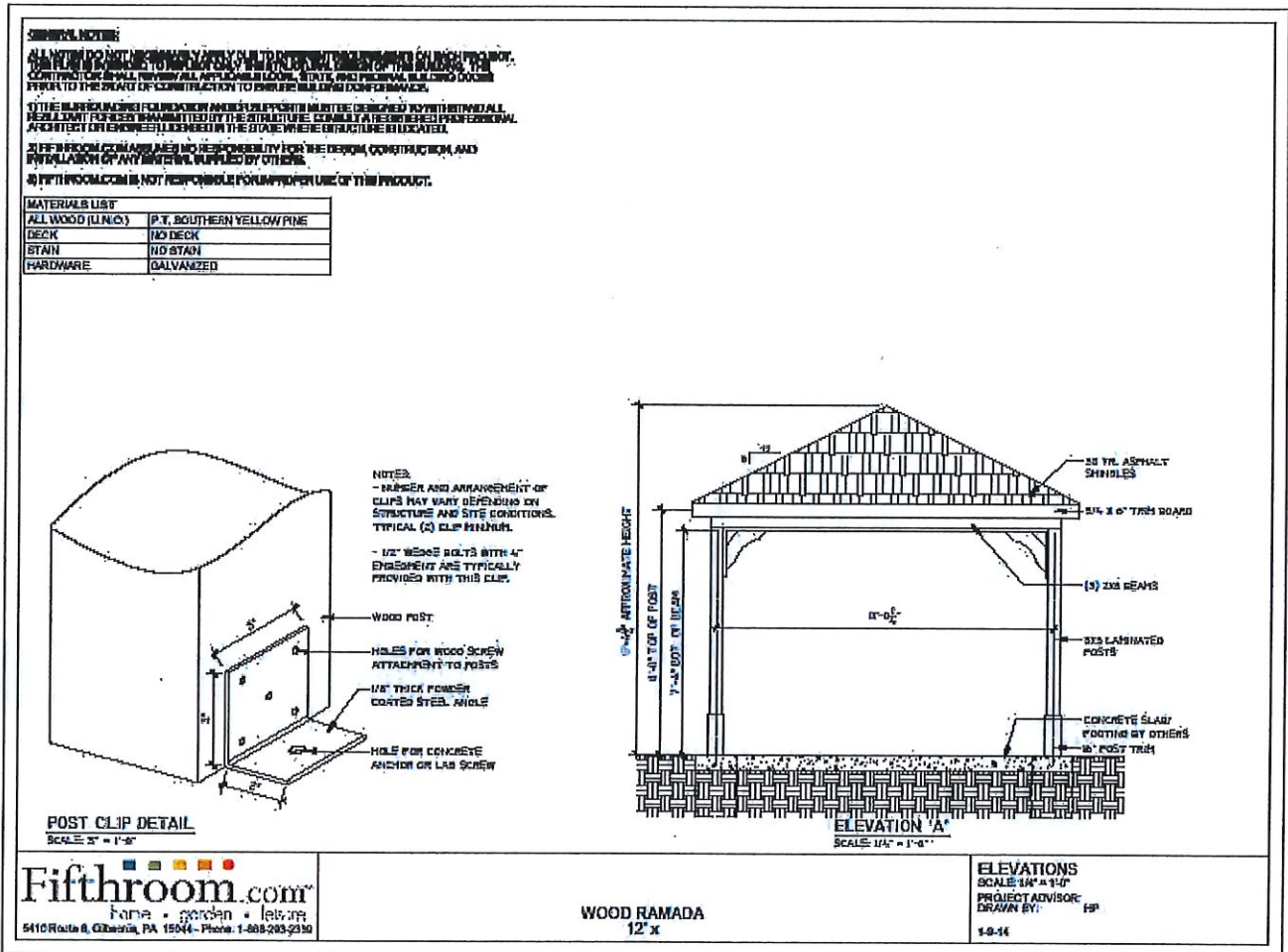
Printed plans available upon request

EXHIBIT C



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4 Pavilion design 12X12



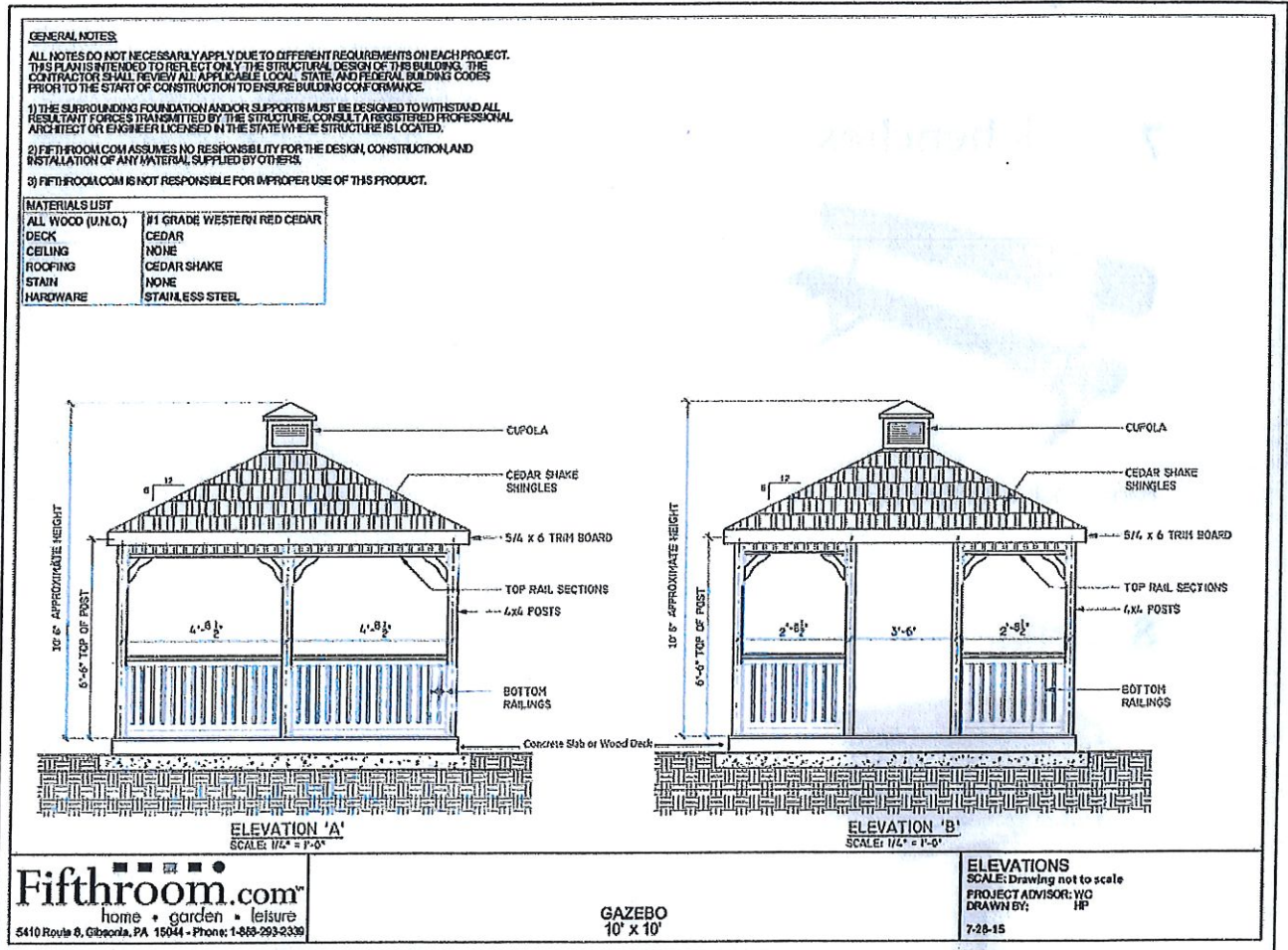
Printed plans available upon request

EXHIBIT C



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5 Gazebo design



Printed plans available upon request

EXHIBIT C



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6 Picnic tables



7 Park benches



Park bench with back rest

8 Grills



Charcoal grill will be permanently secured to concrete slab



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GENERAL NOTES:

ALL NOTES DO NOT NECESSARILY APPLY DUE TO DIFFERENT REQUIREMENTS ON EACH PROJECT. THIS PLAN IS INTENDED TO REFLECT ONLY THE STRUCTURAL DESIGN OF THIS BUILDING. THE CONTRACTOR SHALL REVIEW ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES PRIOR TO THE START OF CONSTRUCTION TO ENSURE BUILDING CONFORMANCE.

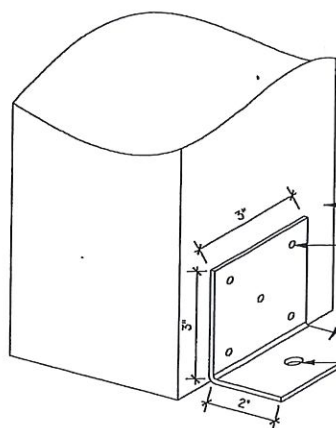
1) THE SURROUNDING FOUNDATION AND/OR SUPPORTS MUST BE DESIGNED TO WITHSTAND ALL RESULTANT FORCES TRANSMITTED BY THE STRUCTURE. CONSULT A REGISTERED PROFESSIONAL ARCHITECT OR ENGINEER LICENSED IN THE STATE WHERE STRUCTURE IS LOCATED.

2) FIFTHROOM.COM ASSUMES NO RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, AND INSTALLATION OF ANY MATERIAL SUPPLIED BY OTHERS.

3) FIFTHROOM.COM IS NOT RESPONSIBLE FOR IMPROPER USE OF THIS PRODUCT.

MATERIALS LIST

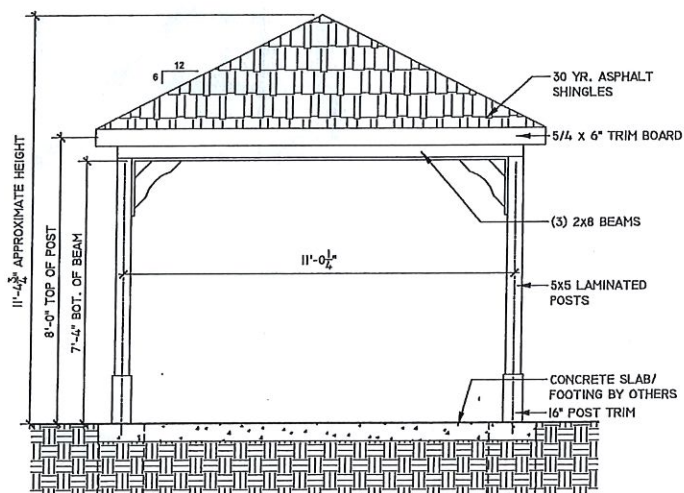
ALL WOOD (U.N.O.)	P.T. SOUTHERN YELLOW PINE
DECK	NO DECK
STAIN	NO STAIN
HARDWARE	GALVANIZED



NOTES:
- NUMBER AND ARRANGEMENT OF CLIPS MAY VARY DEPENDING ON STRUCTURE AND SITE CONDITIONS. TYPICAL (2) CLIP MINIMUM.

- 1/2" WEDGE BOLTS WITH 4" EMBEDMENT ARE TYPICALLY PROVIDED WITH THIS CLIP.

POST CLIP DETAIL
SCALE: 3" = 1'-0"



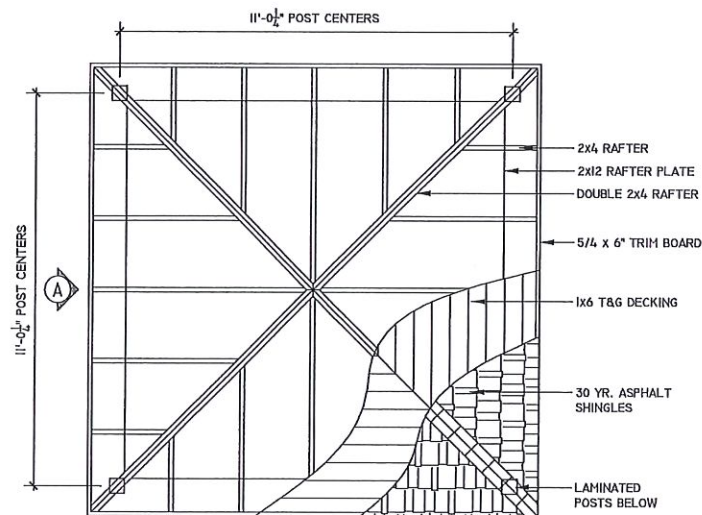
ELEVATION 'A'
SCALE: 1/4" = 1'-0"

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home • garden • leisure
5410 Route 8, Gibsonia, PA 15044 - Phone: 1-888-293-2339

WOOD RAMADA
12' x

ELEVATIONS
SCALE: 1/4" = 1'-0"
PROJECT ADVISOR:
DRAWN BY: HP
1-9-14

EXHIBIT C



ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"



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02/03/2017 10:40:52 AM Jean Alberico
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EXHIBIT C

GENERAL NOTES:

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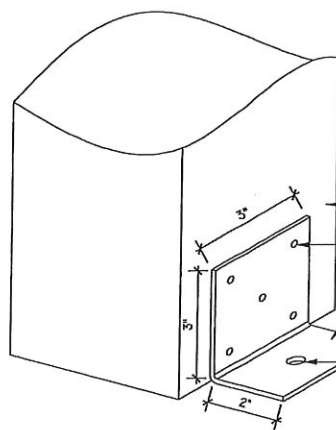
1) THE SURROUNDING FOUNDATION AND/OR SUPPORTS MUST BE DESIGNED TO WITHSTAND ALL RESULTANT FORCES TRANSMITTED BY THE STRUCTURE. CONSULT A REGISTERED PROFESSIONAL ARCHITECT OR ENGINEER LICENSED IN THE STATE WHERE STRUCTURE IS LOCATED.

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3) FIFTHROOM.COM IS NOT RESPONSIBLE FOR IMPROPER USE OF THIS PRODUCT.

MATERIALS LIST

ALL WOOD (U.N.O.)	P.T. SOUTHERN YELLOW PINE
DECK	NO DECK
STAIN	NO STAIN
HARDWARE	GALVANIZED

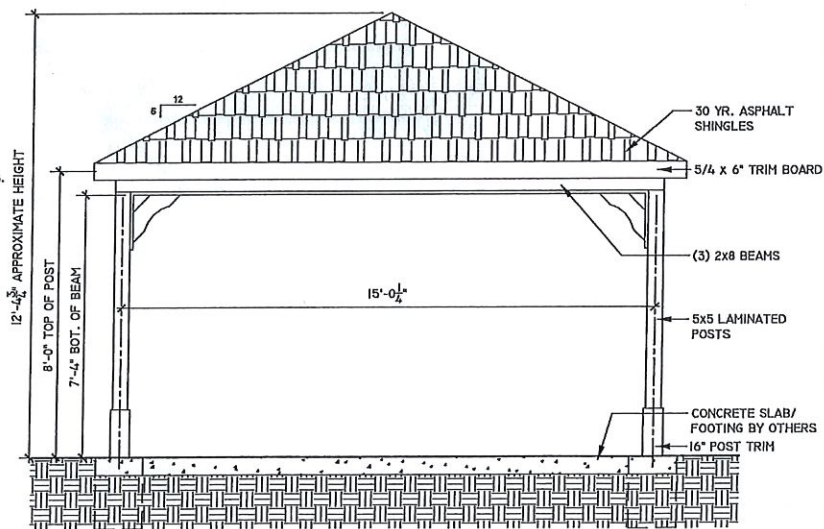


POST CLIP DETAIL

SCALE: 3" = 1'-0"

NOTES:
- NUMBER AND ARRANGEMENT OF CLIPS MAY VARY DEPENDING ON STRUCTURE AND SITE CONDITIONS. TYPICAL (2) CLIP MINIMUM.

- 1/2" WEDGE BOLTS WITH 4" EMBEDMENT ARE TYPICALLY PROVIDED WITH THIS CLIP.



ELEVATION 'A'

SCALE: 1/4" = 1'-0"

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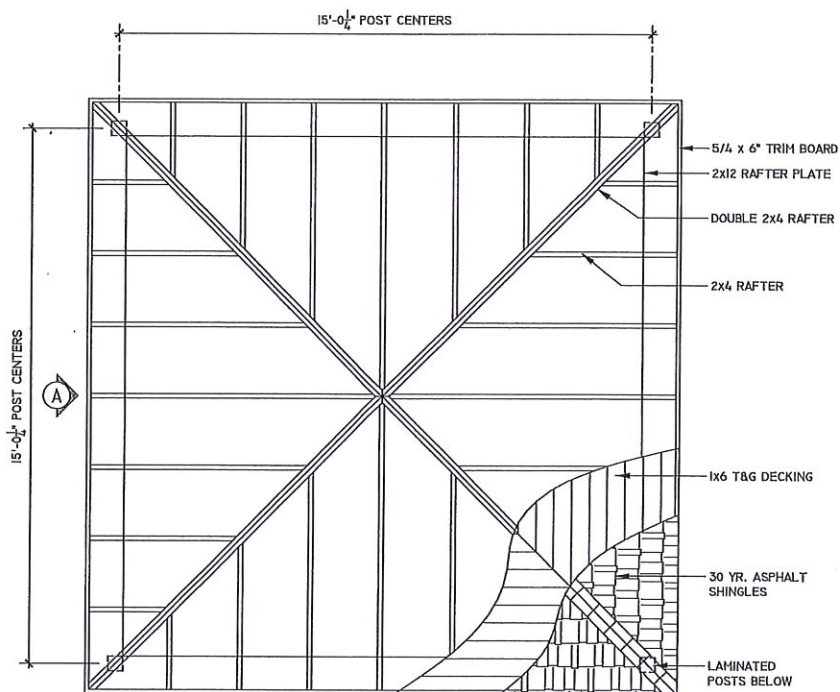
WOOD RAMADA
16' X

ELEVATIONS
SCALE: 1/4" = 1'-0"
PROJECT ADVISOR: HP
DRAWN BY:
1-9-14



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ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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WOOD RAMADA
16' x 16'

PLAN
SCALE: 1/4" = 1'-0"
PROJECT ADVISOR:
DRAWN BY: HP
1-9-14

EXHIBIT D

Page 1



744 Horizon Ct, Suite 110, Grand Junction, CO 81506
970.241.4722, info@rccwest.com

Opinion of Probable Cost for Construction

DEVELOPMENT NAME: Lot 95 and Grand River Park, Cardiff Glen P.U.D. 31-Aug-2016

Item #	Item Description	Unit	Quantity	Unit	Extended
--------	------------------	------	----------	------	----------

Lot 95

LANDSCAPE (Provided by Landscape Architect & Fifthroom.com)

1	New Coniferous/Deciduous Trees	EA	14	\$ 500.00	\$ 7,000.00
2	10' x 10' Treated Pine Rectangular Gazebo	EA	1	\$ 5,938.00	\$ 5,938.00
3	Horseshoe Pit Area	SF	1344	\$ 2.00	\$ 2,688.00
4	Volleyball Area	SF	1344	\$ 4.00	\$ 5,376.00
5	Play Area	SF	1741	\$ 1.25	\$ 2,176.25
6	Seeded Areas	SF	1061	\$ 0.75	\$ 795.75
7	Irrigation for grass areas/Lot 95	SF	16658	\$ 1.00	\$ 16,658.00

Subtotal Landscape

\$ 40,632.00

STREETS/EARTHWORK

1	Clearing and Grubbing (Retain Top soil)	LS	1	\$ 2,000.00	\$ 2,000.00
2	Mobilization	LS	1	\$ 2,000.00	\$ 2,000.00
3	Excavation Unadjusted	CY	500	\$ 11.00	\$ 5,500.00
4	Embankment Unadjusted	CY	500	\$ 6.00	\$ 3,000.00
5	4" AC	CY	573	\$ 24.00	\$ 13,752.00
6	6" ABC (cgs, sw)	CY	51	\$ 40.00	\$ 2,040.00
7	8" ABC (Roadway)	CY	129	\$ 38.00	\$ 4,902.00
8	2' C & G	LF	130	\$ 12.00	\$ 1,560.00
9	5' Sidewalk (4" Thickness)	SY	210	\$ 35.00	\$ 7,350.00
10	6' Sidewalk (4" Thickness)	SY	71	\$ 50.00	\$ 3,550.00
11	Striping/Handicap Symbol Paint	GAL	1	\$ 25.00	\$ 25.00
12	Sign - Reserved Handicap Parking (R7-8)	EA	2	\$ 12.00	\$ 24.00
13	Sign - Tenant Parking Only	EA	1	\$ 12.00	\$ 12.00

Subtotal Streets and Earthwork

\$ 45,715.00

Stormwater Management

1	Silt Fence	LF	364	\$ 1.50	\$ 546.00
2	Sediment Filter Bags	EA	2	\$ 7.00	\$ 14.00
3	Vehicle Tracking Control	EA	1	\$ 1,500.00	\$ 1,500.00
4	Concrete Washout	EA	1	\$ 1,100.00	\$ 1,100.00
5	Erosion Control Blanket	SY	500	\$ 5.00	\$ 2,500.00
6	Seeding/Mulch	CF	110	\$ 4.00	\$ 440.00

Subtotal Stormwater Management

\$ 6,100.00

Lot 95 Total

\$ 92,447.00

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EXHIBIT D



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Page 2

DEVELOPMENT NAME: Lot 95 and Grand River Park, Cardiff Glen P.U.D.						31-Aug-2016
Item #	Item Description	Unit	Quantity	Unit		Extended
Grand River Park						
LANDSCAPE (Provided by Landscape Architect & Fifthroom.com)						
1.	New Shrubs	EA	123	\$	45.00	\$ 5,535.00
2	12' x 12' Treated Pine Ramada Gazebo	EA	1	\$	6,358.00	\$ 6,358.00
3	16' x 16' Treated Pine Ramada Gazebo	EA	1	\$	9,818.00	\$ 9,818.00
4	Flipback Rotating Park Grill	EA	2	\$	299.00	\$ 598.00
5	8" Metal Picnic Table	EA	4	\$	959.00	\$ 3,836.00
6	8' Metal Garden Bench w/Back	EA	3	\$	559.00	\$ 1,677.00
7	8" Metal Garden Bench	EA	4	\$	359.00	\$ 1,436.00
8	Crushed gravel planting bed	SF	240	\$	12.00	\$ 2,880.00
9	New Coniferous/Deciduous Trees	EA	11	\$	500.00	\$ 5,500.00
10	Seeded Areas	SF	7150	\$	0.35	\$ 2,502.50
11	New sod at parking areas	SF	1680	\$	0.75	\$ 1,260.00
Subtotal Landscape						\$ 41,400.50
STREETS/EARTHWORK						
1	Clearing and Grubbing (Retain Top soil)	LS	1	\$	3,000.00	\$ 3,000.00
2	Mobilization	LS	1	\$	3,000.00	\$ 3,000.00
3	Excavation Unadjusted	CY	500	\$	11.00	\$ 5,500.00
4	Embankment Unadjusted	CY	500	\$	6.00	\$ 3,000.00
5	4" AC	CY	15	\$	24.00	\$ 360.00
6	6" ABC (cgs, sw)	CY	75	\$	40.00	\$ 3,000.00
7	8" ABC (Roadway)	CY	30	\$	38.00	\$ 1,140.00
8	2' C & G	LF	250	\$	12.00	\$ 3,000.00
9	5' Sidewalk (4" Thickness)	SY	205	\$	35.00	\$ 7,175.00
10	6' Sidewalk (4" Thickness)(Reinforced)	SY	187	\$	70.00	\$ 13,090.00
11	ADA Ramp	SY	27	\$	305.00	\$ 8,235.00
12	Striping Paint	GAL	0.5	\$	25.00	\$ 12.50
13	Sign - Tenant Parking Only	EA	2	\$	12.00	\$ 24.00
REMOVALS AND RESETTling						
1	Remove Sidewalk, Curb & Gutter	SF	480	\$	1.00	\$ 480.00
Subtotal Streets/Earthwork & Removals						\$ 51,016.50
Stormwater Management						
1	Silt Fence	LF	235	\$	1.50	\$ 352.50
2	Sediment Filter Bags	EA	2	\$	7.00	\$ 14.00
3	Vehicle Tracking Control	EA	2	\$	1,500.00	\$ 3,000.00
4	Concrete Washout	EA	1	\$	1,100.00	\$ 1,100.00
5	Erosion Control Blanket	SY	535	\$	5.00	\$ 2,675.00
6	Seeding/Mulch	CF	715	\$	4.00	\$ 2,860.00
Subtotal Stormwater Management						\$ 10,001.50
Grand River Park Total						\$ 102,418.50

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EXHIBIT D

Page 3



744 Horizon Ct, Suite 110, Grand Junction, CO 81506
970.241.4722, info@rcwest.com

DEVELOPMENT NAME: Lot 95 and Grand River Park, Cardiff Glen P.U.D.					31-Aug-2016
Item #	Item Description	Unit	Quantity	Unit	Extended
MISCELLANEOUS					
Plan Preparation (For Both Sites)					
1	Stormwater Management Plan	LS	1	\$ 960.00	\$ 960.00
2	Signage & Striping Plan	LS	1	\$ 695.00	\$ 695.00
3	Traffic Control	LS	1	\$ 11,000.00	\$ 11,000.00
Miscellaneous Total					\$ 12,655.00
1	Total Improvement Costs			\$	207,520.50

NOTES

1. All prices shall be for items complete in place and accepted.
2. All pipe prices shall include excavation, pipe, bedding, backfill, and compaction.
3. Water main shall include pipe, excavation, bedding, backfill, bends, and appurtenances not itemized elsewhere.
4. All concrete items shall include Aggregate Base Course where required by the drawings.
5. Fill in the pipe type for irrigation pipe and sleeves.
6. Reconditioning shall be calculated to at least 6" outside of back of walk on both sides.
7. Units can be changed if desired, simply annotate what is used.
8. Additional lines or items may be added as needed.



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Glenwood Springs
Community Development Dept
101 W 8th St
Glenwood Springs CO 81601

ORDINANCE NO. 3

Series of 1999

**AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, REZONING A 21.75 ACRE PARCEL ON COUNTY ROAD
116 IN THE CITY OF GLENWOOD SPRINGS FROM R/4
RESIDENTIAL TRANSITIONAL TO PLANNED UNIT
DEVELOPMENT(PUD), KNOWN AS CARDIFF GLEN.**

WHEREAS, the City's Planning and Zoning Commission, at its December 15, 1998 meeting, recommended approval of a rezoning of a 21.75 acre parcel on County Road 116 in the City of Glenwood Springs; and

WHEREAS, City Council considered the recommendation at its regular meeting on January 7, 1999, and affirmed the findings of the Planning and Zoning Commission and granted the rezoning; and

WHEREAS, City Council found that the proposed rezoning is consistent with City goals, policies, and plans; and

WHEREAS, Section 070.040.060.B.4 of the Glenwood Springs Municipal Code requires that an ordinance be enacted to effectuate the rezoning, as granted.

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. The 21.75 acre parcel on County Road 119, also known as Cardiff Glen and described in the metes and bounds description attached hereto as Exhibit "A", is hereby rezoned from R/4 Residential Transitional to Planned Unit Development (PUD), in accordance with the plan attached hereto for all purposes as Exhibit "B".

Section 2. The rezoning is subject to the following contingencies, which have been agreed to by the developer of the parcel:

1. A development plan shall be submitted to the City within six (6) months of the effective date of this ordinance.
2. Any development shall comply with the Federal Airspace Regulations Part 77 and shall execute and record an aviation easement, approved by the City, prior to the recordation of any subdivision plans or occupancy of any residences on the parcel.
3. A minimum of 20% deed restricted affordable housing shall be provided subject to the City's sponsoring applicable grant applications, subsidies or impact fee waivers for the project. All such subsidies will be applied by the developer, dollar for dollar, to the

reduction of the sale or rental price of the unit; and all units receiving a minimum qualifying subsidy of at least 10% of the projected base price of a "studio 3", as defined in Exhibit "B", shall have an occupancy and resale deed restriction filed on the property. If possible, persons employed within the City limits or with the school district shall be given priority in acquiring housing within the development.

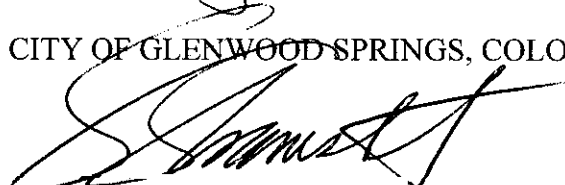
4. The developer of the parcel shall provide \$6,250.00 for the coke oven preservation grant prior to the issuance of a development permit.

5. The developer shall provide funds, or other adequate security approved by the City, for the construction of a ballfield at Summerville Park, as shown in Exhibit "B", prior to the approval of a subdivision plat. The cost of the field shall be mutually agreed upon by the City and the developer.

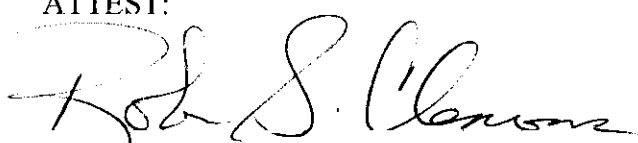
Section 3. This ordinance shall be automatically repealed on August 15, 1999, if Paragraph 1 of Section 2 above has not been complied with as set out therein.

INTRODUCED, READ AND PASSED ON FIRST READING, ORDERED
PUBLISHED IN FULL THIS 21st DAY OF JANUARY, 1999.

CITY OF GLENWOOD SPRINGS, COLORADO

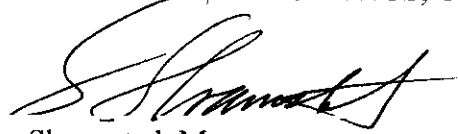

Sam Skramstad, Mayor

ATTEST:

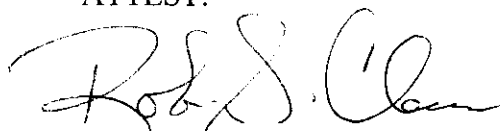

Robin S. Clemons, City Clerk

INTRODUCED, READ ON SECOND READING, APPROVED, AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE
OF SECOND PUBLICATION THIS 3RD DAY OF FEBRUARY, 1999.

CITY OF GLENWOOD SPRINGS, COLORADO


Sam Skramstad, Mayor

ATTEST:

A handwritten signature in black ink, appearing to read "Robin S. Clemons". The signature is fluid and cursive, with the first name "Robin" and last name "Clemons" clearly distinguishable.

Robin S. Clemons, City Clerk

(870) 945-1004
FAX (870) 945-5948



116 West 6th, Suite 200
Glenwood Springs, CO 81601

R/4 ZONE LEGAL DESCRIPTION

A parcel of land located in the south one half of Section 22 and the north one half of Section 27, Township 6 South, Range 89 West of the Sixth Principal Meridian, Garfield County, Colorado. Said parcel is more particularly described as follows, to wit:

Beginning at the northwest corner of the Glenwood Springs Municipal Airport from which a witness corner set for the north one quarter corner of Section 27, said township and range bears S 21°48'12" W 134.23 feet distant; thence along the boundary of said airport parcel South 26 degrees 56 minutes 00 seconds East (S 26°56'00" E) 588.93 feet to a point on the centerline of a 45.00 foot right of way as shown on the Hughes Addition to Cardiff; thence South 01 degrees 22 minutes 11 seconds West (S 01°22'11" W), a distance of 226.36 feet along said centerline; thence North 88 degrees 37 minutes 49 seconds West (N 88°37'49" W), a distance of 88.50 feet to the northwest corner of Lot 12, Block 4, Hughes Addition to the Town site of Cardiff; thence South 01 degree 22 minutes 11 seconds West (S 01°22'11" W) 120.00 feet along the westerly line of Lot 12 and its extension to the center of Third Street as shown on said Hughes Addition; thence South 88 degrees 37 minutes 49 seconds East (S 88°37'49" E) 66.00 feet along said centerline to the easterly line of the northeast quarter of the northwest quarter of Section 27; thence South 01 degrees 22 minutes 11 seconds West (S 01°22'11" W) 445.00 feet along said westerly line; thence North 80 degrees 54 minutes 48 seconds West (N 80°54'48" W) 184.84 feet; thence South 32 degrees 46 minutes 00 seconds West (S 32°46'00" W) 127.27 feet to a fence line marking the northerly right of way of a County road; thence North 69 degrees 17 minutes 37 seconds West (N 69°17'37" W) 6.97 feet along said fence line; thence North 71 degrees 51 minutes 52 seconds West (N 71°51'52" W) 40.39 feet along said fence line to the intersection with the northerly right of way of Midland Avenue; thence along said northerly right of way the following four (4) courses:

- 1) North 59 degrees 54 minutes 30 seconds West (N 59°54'30" W), a distance of 258.59 feet; thence
- 2) South 30 degrees 05 minutes 30 seconds West (S 30°05'30" W), a distance of 50.00 feet; thence
- 3) North 59 degrees 53 minutes 57 seconds West (N 59°53'57" W), a distance of 660.69 feet; thence
- 4) North 67 degrees 23 minutes 29 seconds West (N 67°23'29" W), a distance of 97.55 feet; thence

North 46 degrees 46 minutes 52 seconds East (N 46°46'52" E) 1346.68 feet to the point of beginning; and containing 21.785 acres.

debtiled94084.rev
08/24/98

EXHIBIT

A

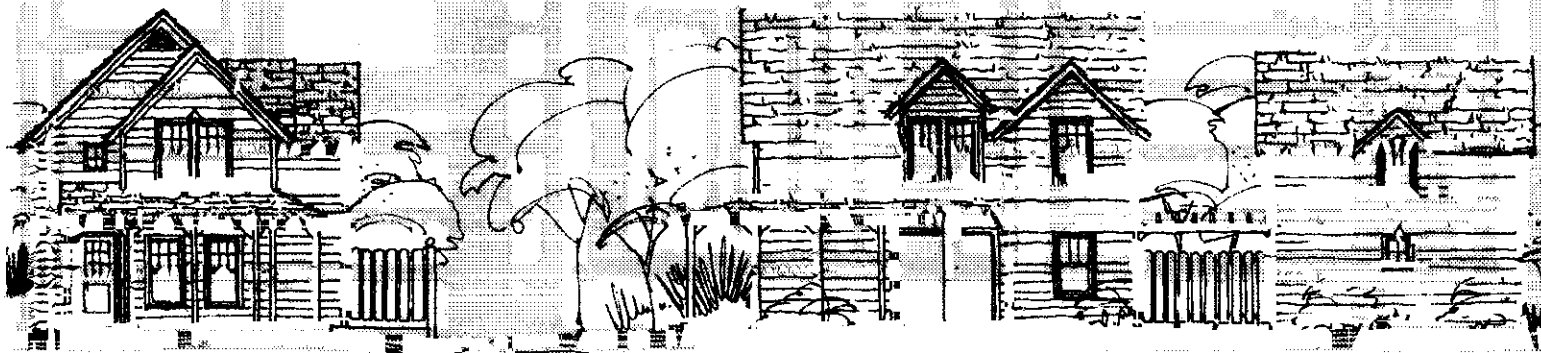
EXH B

Cardiff

To ORDIN. #3
SERIES OF 1999

Glenwood Springs, Colorado

PUD ZONING APPLICATION



Studio 8 Land Company, LLC

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

PUD Zoning Application

Revised December 10, 1998

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CARDIFF GLEN PLANNED UNIT DEVELOPMENT

A. INTRODUCTION

This application submitted by Studio 3 Land Company, LLC (herein after referred to as the Applicant), requests approval of the Cardiff Glen PUD Zone District. All relevant provisions of the City of Glenwood Springs, Title 070, Subdivision, Development and Use of Land with respect to PUD review requirements are included with this application.

The Cardiff Glen PUD is a 21.785 acre residential development created specifically to meet the residential and recreational needs of the Glenwood Springs community - from a variety of housing choices at affordable prices to parks, community center, and a small locally owned commercial center. The site is roughly bordered by Sopris Elementary School, Airport Road (County Road 116) and the Glenwood Springs Airport. The design will reflect both community and public input and honor the idea of a quiet, safe neighborhood. The Cardiff Glen Neighborhood PUD will emphasize a substantial amount of open space, interconnected pedestrian and biking trails, a street system making it possible for children to play ball and bike

without worry. Central to the PUD will be The Midland Commercial Center located adjacent to a wonderful playground/park, Grand River Park, - a place to meet, catch up with the neighbors and visit amenities such as a small grocery store, coffee shop/deli, and day care center - all within walking distance from anyplace in the Cardiff Glen community.

B. EXISTING CONDITIONS

1. Project Location

The 21.785 acre site is roughly triangular in shape and is located southeast of Sopris Elementary School, northeast of Airport Road (County Road 116), and west of the Glenwood Springs Airport.

2. Current Zoning

R/4 Residential Transitional

3. Existing Uses

Open fields recently used for grazing.

4. Site Access

Access to the site is from Airport Road (County Road 116).

5. Utilities

Water and sewer (City of Glenwood Springs), gas(KN Energy), electric(City of Glenwood Springs), telephone(US West) and cable(TCI Cable) utilities are located at or near the northwest corner of the property in the County Road 116 right of way.

6. Topography

The property is relatively flat with a slope of about 2% to the northwest.

7. Geology

A Soils and Foundation Investigation report dated February 8, 1995 was prepared for the Roaring Fork School District RE-1 on the adjoining Sopris Elementary School property. A copy of the report prepared by CTL/Thompson is attached for reference.

8. Vegetation

Native grasses and weeds.

C. PUD DESCRIPTION AND ISSUE RESOLUTIONS

1. Comprehensive Plan Context

The Cardiff Glen Neighborhood PUD is designed along the principals of the *traditional neighborhood* of the past, including historic downtown Glenwood Springs and the old Cardiff subdivision of the late 1800's, with a balanced mix of residences, shops, workplaces and recreation within the neighborhood. The integration of multiple land uses allows residents to meet more of their daily needs through shorter trips.

a) The City should maintain a compact urban form.

Cardiff Glen is located on a 21.785 acre parcel within the Glenwood Springs city limits on land that is zoned R/4 Residential Transitional. The property is roughly bounded by County Road 116, the RE-1 school property, the Glenwood Springs Airport and County residential properties. Glenwood Park subdivision is the closest residential development just westerly of the school. **Cardiff Glen**, is therefore, by location, an extension of the city residential area in South Glenwood Springs and will conform to this policy.

b) *The City should be a place where people are able to live, work, play and raise a family.*

Our concept for **Cardiff Glen** is just that: a mixed-use residential development featuring both rental and sale, single and multi-family dwellings. The Midland Commercial Center will offer services from a “corner grocery” and coffee shop to a day nursery facility and doctor or dentist. The center is within easy walking or biking distance from wherever you live in the **Cardiff Glen** neighborhood as well as Glenwood Park. Just next door to the commercial area is The Roundhouse, a community center where daytime, after-school and evening activities can engage young children, teenagers and grown ups. The Roundhouse overlooks Grand River Park. As it adjoins the commercial center with the natural flow of people, Grand River Park becomes a perfect spot for spontaneous get-togethers whether it’s touch football games or just sharing a sandwich with a friend under a tree. There is also land dedicated to the City for recreational use, like the ball field at Summerville Park, where kids can play and parents-cum-coaches can cheer them on.

The development is designed as a neighborhood that retains the character of old Glenwood Springs with 22-foot wide streets, alleys and housing that features “street friendly” yards, porches and

landscaping. The intent is to construct the dwellings so they are affordable to the working residents of the City who presently are priced out of the market.

c) The City should protect its scenic vistas, rivers, steep hillsides and ridges.

The site for **Cardiff Glen** is relatively flat with several large tree clusters and is well removed from the river. The structures proposed will be residential in nature and within the city height limits. The entrance to the neighborhood from County Road 116 will be along Grand River Park, the neighborhood park that is an open space seldom found in the City, and will present a tree-lined vista to the north. The new dedicated recreation area, Summerville Park, at the northerly end of the property, will provide a continuation of the city recreation area at the school. It also creates a wide, open space vista from east to west, essentially from Glenwood to Old Cardiff and beyond.

d) The City should provide adequate public recreation facilities within the city.

Cardiff Glen will dedicate Summerville Park to the City.

Summerville Park, at the northern end of the property, is 1.84 acres in area. In Summerville Park, we will provide funds for the construction of a children's ball field and we will construct 10 park-user parking spaces, landscaping and a 3-rail split rail fence along the runway area to restrict pedestrian access to the airport facilities.

Grand River Park is at the southerly entrance to the neighborhood and is 1.51 acres in area. A neighborhood center facility, The Roundhouse, will be constructed on this site and will be owned and maintained by the **Cardiff Glen** Homeowners Association.

We will also dedicate to open space a 30-foot wide trail easement from Summerville Park to The Midland Commercial Center that totals 0.23 acres. We will construct a walking path, a 3-rail split rail fence, landscaping and a stream. This area will be dedicated to and maintained by The Cardiff Glen Homeowners Association.

A 15-foot wide trail easement along County Road 116, 0.37 acres in area, and a 20-foot foot wide easement from County Road 116 to Summerville Park, 0.45 acres, will be dedicated to and maintained by the City. We will provide a 3-rail split rail fence and landscaping

in this area.

It should be noted that we have had discussions with the Mayor, City Manager and Planning Director about creating a jointly owned and operated irrigation system, utilizing the City's water rights from the river, to irrigate the school property and City recreation areas, parts of Glenwood Park and **Cardiff Glen**.

e) The City should maintain a distinct urban edge.

Cardiff Glen will establish this edge by defining the urban neighborhood character in what exists now as a more rural feeling in the South Glenwood city limit. The easterly and southerly property lines are now the Glenwood city limits

f) The City should maintain neighborhoods that are walkable and talkable.

The "neo-traditional" concept for **Cardiff Glen** is based upon the lot-and-block plan found in most older portions of our cities today. The houses and multi-family dwellings will face tree-lined streets with sidewalks wide enough for kids on their bikes, parents (and or kids) carrying groceries, or just strolling. All of the houses will have front

porches and lawns creating an informal, accessible, neighborly atmosphere conducive to impromptu coffee breaks, a simple exchange about the weather or an upcoming school activity. All garages are located on the alleys, with the exception of twelve perimeter lots, which removes driveways and impersonal garage doors from the streetscape. Central to the idea of a neighborhood, as mentioned above, will be walkable access to the Midland Commercial Center, The Roundhouse Neighborhood Center and Grand River Park. Walking paths will trace the southern and western perimeters as well as a 30-foot trail easement from Summerville Park to Grand River Park and will connect the inner neighborhood with the school and City park areas, as well as the extended City bike trail to be located along County Road 116.

g) The City should encourage a balance between jobs and housing for local workers.

According to the Housing for Tomorrow Commission, within the Glenwood Springs Zip Code area today, there are an estimated 10,000 jobs, yet within that code, there are only about 5000 local residents. There are several reasons for this condition: Glenwood has one of the lowest, if not the lowest vacancy rate in the State; there have been no attainable housing developments created within

the City in recent times and few affordable rental units are available.

Cardiff Glen was conceived not only as an attempt to create a new neighborhood within the City, but to address this unhealthy imbalance that exists because people can not afford to live where they work. In addition to dealing with this serious issue, that over time, is the prime cause of the erosion and ultimate extinction of the feeling of belonging to and caring about the community, **Cardiff Glen** proposes additional features that are missing in most of the new housing developments built today:

- a sense of place
- a neighborhood with a sense of style
- attractive, friendly tree-lined streets
- a neighborhood park
- walking paths
- the corner grocery, coffee shop, day nursery, doctor or dentist
- a new city park for a ball field
- neighborhood community center

Cardiff Glen will have 91 single family lots with a variety of 2, 3 and 4 bedroom homes, nice yards, garages and parking primarily on

alleys instead of the street, and up to 30 ADUs. There will be 126 multi-family residences, some for sale, and others for rent. The small neighborhood commercial area will have studio, 1 and 2 bedroom apartments on the upper levels overlooking Grand River Park, the neighborhood park. The houses and apartments will be priced to be very attractive and attainable for people who work in Glenwood.

We feel this is the type of environment where almost anyone would want to live, not to mention the bonus of saving hours a month commuting. This is our goal. So how does the City encourage housing for its own workers? Motivation to do so stems from the simple and clear understanding of the needs of the working residents. The City has to offer incentives to developers to do these kinds of projects. We would suggest that the City has the power to provide significant assistance to a project such as **Cardiff Glen** through waiving of certain impact fees, participation in grant funding requests, and continuing with the much appreciated, accelerated approval process.

For our part, efforts are underway to secure every reasonable subsidy from various state housing grants to allow a neighborhood that encompasses a variety of income levels in a mix of rental and

sale dwellings. In order to maintain “affordability”, we would like to see major employers have first right-of-refusal for single and multi-family units that, by deed-restriction, would maintain protection from high appreciation rates in the valley. Employees of the public school district, the hospital, the city, the college are just a few that could benefit from this concept. It is not a community unless people can afford to live and participate in the activities that define their community. As the police chief put it: “If we get into a situation of commuter cops, we will lose a great bit of our ability to be part of the community.”

h) The City should preserve a balance between developed areas and dedicated open lands.

Cardiff Glen will provide the open space and dedicated park area described herein under the P.U.D. requirements that will comply with this policy.

i) The City should require adequate infrastructure concurrent with development.

The existing infrastructure in the South Glenwood area has problems which will be corrected by **Cardiff Glen**.

1) The water pressure deficiency will be improved through the construction of a new, 500,000 gallon water tank to be located on Glenwood Land Company property on the south side of County Road 116.

2) Sewer tap fees will be paid in advance to correct sewer line deterioration in the Midland Avenue area.

3) All on-site infrastructure will be constructed according to present utility requirements.

j) The City should encourage a balance among household sizes, income and ages.

Cardiff Glen is designed as a complete neighborhood, an area of many elements, not just one housing type. We are proposing 91 two, three and four bedroom, single family dwellings ranging in size from 800 sq. ft. to 1600 sq. ft. (measured as interior net livable area and excludes basement and garage space). We are requesting approval of up to 30 Accessory Dwelling Units (A.D.U.) that could be built above garages which, if built, would be approximately 320 sq. ft to 420 sq. ft studio type dwellings.

A variety of 126 multi-family dwellings ranging from 440 sq. ft. studios, 880 sq. ft one bedrooms, 800-1100-1200 sq. ft. two bedrooms and 1250 sq. ft. three bedrooms (measured as interior net livable area and excludes basement and garage space), will be provided; fourteen of these units will be above The Midland Commercial Center shops.

Each phase of the development will contain a variety of the unit types and sizes offering cost, life-styles and size options throughout the project. We therefore anticipate that from the beginning, **Cardiff Glen** will reflect the diversity existing in Glenwood Springs.

k) The City should encourage a variety of housing types, sizes and costs within each neighborhood. Neighborhoods are defined as areas with unique characteristics such as architecture or geography, walkable in extent and characterized by social interaction amongst residents.

Cardiff Glen is designed to secure this variety. We are offering a broad spectrum of housing types, ranging from below-median income rental to market-rate single family detached sale homes. In addition, we are requesting approval of up to thirty Accessory

Dwelling Units (A.D.U.) to be included as part of the PUD application. The A.D.U. is an idea that has proven successful in other communities by supplying another level of housing opportunity and potential income for the owners.

Cardiff Glen is conceived as a genuine neighborhood defined by a grid pattern of streets and alleys. The applicant intends to build all of the structures and by doing so, will control the architectural character throughout the neighborhood. A system of pedestrian paths will be developed, in addition to the sidewalks, that will connect the perimeter to various adjacent properties such as Sopris Elementary School, the City recreation area at the school and the future extension of the Midland Bike trail. The path system will allow residents to walk to Summerville Park, the Midland Commercial Center, Grand River Park and The Roundhouse from any location within the neighborhood. All of these features will promote the pride of place and a sense of belonging so necessary to the well-being of any successful neighborhood. The Homeowners Association Covenants will insure that the standards we set are maintained.

1) The City should reduce traffic congestion.

The Midland Commercial Center, a neighborhood-scale commercial area, is easily accessible by bike or on foot from any residential location in **Cardiff Glen**. This easy access would therefore eliminate a certain amount of car traffic for taking care of the necessities. The center could include a small “corner grocery store”, a day-nursery, a coffee shop, a doctor or dentist, and The Roundhouse, a community activity center. We have connected the neighborhood to Sopris Elementary School which would allow children to walk or bike to school, instead of taking the bus or being dropped off by their parents. We anticipate 300-400 children in **Cardiff Glen** and assuming that about half would be in elementary school we could anticipate a significant reduction in school traffic alone. We are hoping that the City will consider an extension to the existing bus service to **Cardiff Glen** to promote public transport and greatly reduce the car traffic. We would encourage the use of trolley sized buses that could stop at the Midland Commercial Center on a regular basis for the residents to commute to town. We would be happy to “create” a bus stop to fit the character of **Cardiff Glen**.

2. Density/Zoning

A density of 10-12 units per gross acre with residential lots and blocks limited in size will provide greater affordability and encourage pedestrian activity. A variety of housing will be provided, including detached single family residential, duplex, townhomes, condominiums and apartments. With a variety of housing types, the needs of varied age and income groups are more easily accommodated within the PUD and a greater diversity of residents is encouraged.

Individual zone districts have been created for the single family, multi-family and commercial/residential.

See Section D. Zoning Standards for R/2-PUD, R/3-PUD and C/3-PUD zoning requirements.

3. Small Lot

The fabric of the neighborhood is made up of homes built on narrow 33 foot(min.) wide by 91.5 foot long lots (3020 s.f.). Houses with modest front yards face the street with garages located at the rear of each house, on alleys, with the exception of twelve single family lots that will have driveways accessed from the street. This arrangement, for the majority of the PUD, results in uninterrupted sidewalks and

makes the front entry and porch of each house the prominent feature - not the garage doors. On the lots that have street access, garages will be set back from the principal structures a minimum of 10 feet. Accessory dwelling units over detached garages can be used for home offices, apartments, a teenager's private space, or for care for an elderly parent.

4. Commercial

The commercial zone joins with the Roundhouse community center and Grand River Park to form Old Town Square at the heart of the neighborhood and serve as the focal point and landmark for the PUD. The community center will serve as the neighborhood gathering center as well as the for central mail pick-up. Locally owned commercial uses are planned to provide conveniences and amenities that will add to the quality of life in the PUD and surrounding neighborhoods in south Glenwood. A small grocery, coffee shop/cafe, day nursery center, and professional offices are located within short walking distance to every resident. Convenient pedestrian access to the Old Town Square will decrease the reliance on the automobile and reduce the traffic normally produced by typical residential developments.

5. Streets

The Cardiff Neighborhood PUD has a rectilinear pattern of streets and alleys designed to keep through-traffic off local neighborhood streets. Neighborhood streets are designed to provide equability for pedestrian comfort and automobile movement. Slowing the automobile and increasing pedestrian activity encourages the casual meetings that form the bonds of community. The local streets will be 22 feet, curb-to curb, and the collector streets will be 24 feet, curb-to-curb, a design that ensures slower traffic and safer pedestrian activity. With the exception of twelve perimeter lots, garage access will be from the alleys only, again, a design to reduce the impact of traffic.

6. Streetscape

Streets and streetscapes serve multiple purposes in the Cardiff Glen PUD including movement of automobile traffic and transit vehicles, pedestrian and bicycle pathways, areas of public interaction and areas for placement of street trees and landscaping. Streets are designed to balance the needs of all users and streetscape design is critical to this balance. The streetscape consists of at least four essential elements, including the paved section of the street, a planting strip for street trees, sidewalk and adjacent buildings. Pavement widths are reduced to 22 feet curb face to curb face on

the secondary streets and 24 feet curb face to curb face on the main collector streets to slow traffic. The network of interconnected streets and alleys disperses traffic and promotes efficient movement for all modes of transportation. Pedestrian activity is encouraged by providing uninterrupted sidewalks and appealing streetscape. Neighborliness is encouraged by placing houses with front porches and modest front yards close to sidewalks.

7. Parking

All off-street residential and commercial parking will follow and in fact exceed, the requirements of Article 070.050 with the exception of prohibiting recreational vehicle parking on-site. All single family detached, duplex residential units will be provided 2 parking spaces. Multi family units will be provided 2 spaces per units plus 1 guest space for every five units. Parking for residential units above the commercial will be provided at a rate of 1 space per studio unit, 1 space per one-bedroom unit and 2 spaces per two bedroom unit. Commercial parking will follow the Glenwood Springs Land Use Code Article 070.050.060.D.11. Guest parking has been dispersed throughout the neighborhood. Additional spaces above what is required for the commercial center have been located at Grand River Park. Small parking lots have been included at Summerville Park and at additional areas of open space where it is envisioned that

there will be a need. Within the residential blocks, guest spaces have been added parallel with the streets. These spaces will measure 8 feet by 25 feet. They will be recessed off the street by four and one half feet (the dimension of the planting strip) and will leave in excess of 18 feet of clear driving land. This has been reviewed with the fire marshal and approved. It is important to note that this reduced dimension only happens at the location of the guest parking which usually accommodates three cars and the balance of the road is 22 feet in width. Seasonal and recreational vehicles will not be allowed to park in the PUD and must be stored off-site.

Although our goal is to comply with the requirements of the underlying zoning, it should be understood that all commercial activity shall be designed to meet the needs of Cardiff Glen, and as such will not draw substantial non-neighborhood traffic. It is the applicant's belief that the parking provided within the Cardiff Glen PUD, while meeting the requirements of the underlying zoning will substantially exceed the practical requirements of this pedestrian neighborhood. This parking has been located on the 24 foot wide main collector street and has been designed as angle parking. Its full dimension has been accommodated in addition to extra space so

cars can back out of spaces without entering the main collector street.

8. Dedicated Parkland and Common Open Space

Formal and informal open space is located throughout the PUD.

The design of the neighborhood gives priority to public space. These spaces enhance community activity, identity and civic pride. The neighborhood plan creates a hierarchy of useful public spaces: a formal Old Town Square, Midland Commercial Center adjacent to Grand River Park connected by a pedestrian walk with a narrow stream to Summerville Park at the north end of the property.

Pedestrian and recreational trails connect ponds and a perimeter greenbelt with scattered parks and playgrounds. The entire PUD is interconnected by neighborhood sidewalks, and a greenbelt which promote walking, encourage informal meetings, and provide safe pedestrian and bicycle access to other open spaces or to destinations such as Sopris Elementary School, Glenwood Park PUD, Cardiff and adjacent playgrounds.

Dedicated Parkland: Summerville park will be dedicated to the City of Glenwood Springs as partial credit towards parkland dedication. Additionally, Studio 3 Land Company will commit to providing the funds necessary to construct a ball field on that park

at the time that the town constructs the ball fields at Sopris Elementary School.

Completing the required parkland dedication will be the west and south perimeter trails. This will bring the total dedicated parkland to 2.67 acres while 2.54 are required.

Common Open Space: The other large park, Grand River Park will be held as common open space by the Cardiff Glen Homeowners Association. This park will be left open so structured and unstructured activities can take place. This is envisioned as a park at which youth soccer can take place, as an example, as well as such passive activities as picnics or just tossing a baseball.

Each multi family parcel will be required to provide a minimum amount of open space (see zoning regulations for each multi family parcel's specific requirement) as well as a specific minimum amount of active open space. Within the active open space of each multi family parcel will be "tot lots" with play structures such as Timberform. These active areas in conjunction with the unstructured open space requirements for the multi family parcels will provide much needed area for multi family residents.

The combination of the common open space that has been identified as active, including Grand River Park, the multi family specific requirements for active open space and the interior trails, provides 4.43 acres of active open space. As this exceeds 50% of the code requirement for open space, this Planned Unit Development qualifies for a 50% reduction in dedicated parkland. The attached Parkland and Open Space Data provides the specific quantities required of this project by code and the quantities being provided. In each case, this development not only exceeds the code requirements, but has included those requirements into the zoning regulations.

Table 1
Park Land & Open Space Data

Park Land

	<u>Acreage</u>
Summerville Park	1.96
Tracts F-I	<u>0.82</u>
Total	2.78 acres
 Park Land Required	 2.54 acres
Total	0.24 acres over requirement
 Coke Oven Grant - \$6,250.00	
Equivalent acreage	0.09 acres

Open Space

	<u>Acreage</u>
Grand River Park*	1.51 acres
Tracts B-D*	0.27
SF Lots	2.53
MF Lots*	1.95
Planting Strips	0.70
Miscellaneous*	<u>0.26</u>
Total	7.22 acres
 Open Space Required	 5.45 acres
Total	1.77 acres over requirement

***Active Recreation Development to meet 50% Requirement**

	<u>Acreage</u>
Grand River Park	1.51 acres
Tracts B-D	0.27
MF Lots @ 33% of Open Space	0.64
Miscellaneous(school access trail)	<u>0.03</u>
Total	2.45 acres
 Active Space Required	 2.54 acres
Total	0.09 acres under requirement

Management/Maintenance and Ownership of Common Facilities: The proposal for **Cardiff Glen** includes the following:

- a) All streets and sidewalks and rights-of-way will be dedicated to and maintained by the City.
- b) All alleys will be owned and maintained by The Cardiff Glen Homeowners Association.
- c) Summerville Park, and the 15-foot wide trail easements along County Road 116, and a 20-foot wide trail easement from County Road 116 north to Summerville Park, will be dedicated to and maintained by the City.
- d) All common open space and trails within will be deeded to and maintained by The Homeowners Association.
- e) All trails, with the exception of the City Bike Trail along County Road 116 and the trail from County Road 116 to Summerville Park, will be owned and maintained by The Cardiff Glen Homeowners Association.
- f) The neighborhood recreation facility, The Roundhouse, will be deeded to and maintained by The Homeowners Association.

The following conditions will apply:

- a) Common open space shall be deeded to the **Cardiff Glen** Homeowners Association which shall be established before any

residences are sold and membership shall be mandatory for each single family residence, for each multi-family residence as well as the neighborhood commercial units.

- b) Open space restrictions shall be permanent.
- c) The Homeowners Association shall be responsible for utilities, maintenance, liability insurance and taxes on open space and recreational facilities, as well as their share of the proposed river water irrigation system.
- d) The Homeowner's Association shall have the power to levy assessments which can become liens on individual properties for the purpose of financing the operation and maintaining common facilities.
- e) In the event that the organization established to own and maintain common open space, recreational areas or commonly owned facilities or any successor organization, shall at any time fail to maintain such areas or facilities in reasonable order and condition in accordance with the approved P.U.D. plan, the City may take action as provided by C.R.S. 24-67-101 et. seq. as amended.

f) Park land dedication is to be based on the code requirements ratio of 0.007 acres per resident of the proposed development and is computed as follows:

- 1) 3.5 residents per single family dwelling.
 $3.5 \times 30 \text{ A.D.U.} + 91 \text{ single family dwellings} \times 0.007 = 2.964 \text{ ac.}$
- 2) 2.5 residents per multi-family dwellings.
 $2.5 \times 126 \text{ MF dwellings} \times 0.007 = 2.21 \text{ ac.}$
- 3) Commercial at 8% of the total gross area:
 $7200 \text{ sq. ft.} \times 8\% = 0.013 \text{ ac.}$

The total computed above is 5.19 acres. We propose that half of this park land dedication, 2.59 ac., be waived as allowed in section 070.030.140B in consideration of construction of a children's ball field in Summerville Park and The Roundhouse, a neighborhood community center, in Grand River Park.

It is anticipated that the open spaces will be developed on a proportional basis in each of the development's phasing. The Midland Commercial Center will be completed in the final phase of construction. The Roundhouse, the neighborhood recreational facility, would be constructed in the final housing phase. Studio 3 Land Company will furnish the funds necessary to construct the

new ball field for use by the City when the school property recreation area is developed.

9. Pedestrian Improvements

All residential streets have been designed with 5 feet wide sidewalks set 5 feet off the pavement edge. The sidewalks that border the main collector roads will be widened to 8 feet on the commercial side.

The walkway that connects Grand River Park to Summerville Park will be 8 feet wide and will be owned and maintained by The Cardiff Glen Homeowners Association. This walk will maintain its elevation as it crosses the roads and the roads will ramp up to the walk elevation. This will provide a hierarchical advantage to the walkway system.

A trail system within 15 foot wide and 20 foot wide easements will border the site to the south and west respectively, and provide access around the site. This will be a softer surface trail (not concrete) consisting of either asphalt, recycled asphalt or crusher fines and will be approximately 5 feet in width. These easements will be dedicated to and maintained by the City.

10. Landscaping

School Access/Security: The current plan provides easements for pedestrian access at west end of Crawford Way. This will allow pedestrian access from the school to the project site. Studio 3 will work with the School District to establish the actual physical link so that unregulated access is prevented. The easements will simply allow us to carry out any future plan for an access link.

Perimeter Landscaping: The existing adjacent uses to the Cardiff Glen property are primarily residential in the Cardiff area and are as such compatible. However, to minimize the impact to these land owners, moderate levels of landscape screening will be provided. The Applicant has met with all adjacent property owners and developed an acceptable approach to providing visual impact mitigation and security. The same method of mitigation will be employed for the Sopris Elementary School, the Airport and the two adjacent private properties currently owned by Fred Weber and Mike Alsdorf. This will consist of natural clumps of spruce and/or pinon and aspen trees as well as native shrubs such as serviceberry, potentilla and scrub oak. A three rail, split rail fence will also be constructed to secure adjacent properties. In the case of the School, the fence will be augmented with a wire mesh inside the rail fence.

The intent of the landscaping is not to make Cardiff Glen disappear behind a wall of plant material but instead to soften the architectural impact of the new residences as well as provide the required levels of security.

Native plant material in natural clumps will be used (as opposed to lining aspen trees up on 30 foot centers). The levels of landscaping will, again, not be such as to make an attempt to make the development disappear, but instead soften the visual impact of the architecture. Grasses will be native seed mixes to minimize water consumption as well as provide a more natural appearance to the perimeter. This will only be varied in specific park areas. As an example, the main entry area to the neighborhood will be a manicured fescue lawn.

The Cardiff Glen PUD will incorporate several different hierarchies in landscape. Grand River Park will be designed to provide passive recreation space. This area will be landscaped with drought tolerant turf grass and native landscape plants such as cottonwoods and dogwoods along the ponds and streams, and aspen, spruce and crab apple as well as native shrubs throughout the areas. The stream walkways will receive cottonwood trees, dogwood and alder shrubs as well as a hard surface path.

The streetscape is one of the more important elements of the proposed development. All streets will be landscaped with street trees planted within the landscape area between the sidewalk and the road. Trees will be maple, planted approximately 30 feet on center and the ground will be seeded with a drought tolerant turf mix.

All residential units will be landscaped by the developer with a "starter" landscape. This will provide underground irrigation, sod and seed, trees and shrubs. By providing this level of landscaping for all units, residents are assured that the neighborhood will be finished and attractive. Obviously, adding to the landscape will be encouraged.

In an effort to conserve water consumption, all landscape areas will receive permanent underground irrigation systems. Additionally and most importantly, all plant material will be native and to the extent possible, drought tolerant.

11. Phasing Plan

The specific project phasing will be dictated by a market study currently being prepared and may be adjusted during construction by market pressures. However, at this time we can predict the conceptual construction phasing with some degree of accuracy. The primary area of variability will be in the quantity and price of units produced within any given year. With regard to infrastructure and parks/open space, the current phasing plan represents a fair degree of accuracy. This phasing plan describes each year of construction. The date at which construction starts cannot yet be determined as it is dependent on receiving approvals.

TABLE 2
Preliminary Phasing Plan

Phase 1 Duration – 1 year		
•	Infrastructure	Water and sewer line extensions to property line, Water and sewer main trunk lines within development, Front, Darrow, Teeters and Fanning Roads
•	Units	Approximately 50 units within Fanning and Teeters
•	Parks	Tot lot at MF – 1 Grade and seed Grand River Park Airport buffer and security fencing
Phase 2 Duration - 1 year		
•	Infrastructure	Crawford, Buffam, Breen, Shepards, Stockton Road Water and sewer within roads
•	Units	Approximately 50 Parks Tot lots at MF – 2, 3 and
Phase 3 Duration – 1 year		
•	Infrastructure	Newkirk Place, Winters Lane Water and sewer within roads
•	Units	Approximately 50
•	Parks	Tot lot at MF – 5 Final landscape at Grand River Park
Phase 4 Duration – 1 year		
•	Infrastructure	Culver Circle Water and sewer within road
•	Units	Approximately 50
•	Parks	Tot lot at MF – 6
Phase 5 Duration – 1 year		
•	Infrastructure	Complete
•	Units	Commercial center and residential units above, community center

Summerville Park will be developed in conjunction with the schedule for development of the School's ball fields. Studio 3 Land Company will commit funds by letter of credit, bond or cash to the City of Glenwood Springs prior to issuance of first building permit for Cardiff Glen.

12. Wildlife

Andrew Antipas Ecological & Environmental Consulting, LLC has prepared a wildlife evaluation for the Cardiff Glen site based upon Division of Wildlife information (Attached herein). This study concludes that the proposed development will not have a significant impact on wildlife. Additionally, it is the preference of the DOW to see infill development in existing developed areas, such as Cardiff, rather than the type of sprawl currently being developed in the Roaring Fork Valley with the development of ranches. Infill projects do not fragment habitat as sprawl does.

13. Irrigation

Irrigation will not employ domestic potable water but instead utilize raw water. In a joint effort with the City of Glenwood Springs, raw water will be pumped from the Roaring Fork River to storage ponds

on site, which will in turn provide pressurized water supply via a separate main line system to all residences. This system will be available to the School District and the City for future use.

14. Utilities

The respective utility companies have been contacted and have the ability and capacity to serve the proposed PUD, with the exception of water. The City of Glenwood Springs has agreed that treated water will be provided to the PUD upon construction of adequate water storage by the applicant on an adjacent hillside site. The new water storage facility, while a requirement for the Cardiff Neighborhood PUD will provide substantial benefit by means of increased water storage for the existing surrounding neighborhoods. The water main extension required of the Cardiff Neighborhood PUD will allow the City to provide improved water service to Cardiff residents currently serviced by the existing 2 inch line.

The applicant understands that there are currently identified off-site water and sewer service constraints. As such, the applicant agrees to work with the City towards an equitable solution to the upgrade of these systems.

15. Affordability

It is the intent of the applicant to provide both for-sale and rental housing that will be affordable to not only median income Glenwood employees, but employees that earn above and below the median income mark.

As the project is currently proposed, no deed restrictions will be placed on any real estate without subsidy. However, for any unit that receives a minimum 10% qualifying subsidy, a perpetual deed restriction will be placed upon that unit limiting its resale appreciation to CPI or 3%. The types of subsidy currently being pursued by Studio 3 are low and moderate income tax credit financing for the rental units, Community Development Block Grants (CDBG), energy assistance grants and, potentially, cash in lieu for affordable housing funds channeled from other local developments through the Housing Commission. Any subsidy dollar shall reduce the price of the subsidized unit by one dollar. The purpose of the proposed sales prices in this document is only to provide a baseline from which subsidies can be applied.

16. Airport Compatibility

The primary components of airport/residential compatibility are (a) noise (b) air space protection and (c) security.

a) **Cardiff Glen** has commissioned a noise impact assessment from Engineering Dynamics of Denver (see attached report dated October 26, 1998). The study shows that we have a very quiet airport with noise levels in the “normal conversation” level, and will therefore not require mitigation. However, the building mass of the multi-family buildings adjacent to the runway will further buffer the small level of noise significantly for the interior site buildings. Take-off noise occurs well down the runway and far enough from **Cardiff Glen** to not be objectionable.

b) We have designed the northerly area layout in an effort to address the 7:1 slope clearance advisory (see attached plan). The multi-family buildings adjacent to the runway are intended to be rental units, and while the noise study indicates levels well below the maximum recommended, residency in these units would not be affected by negative influences on ownership. All deeds for the development will contain language that the owner acknowledge the

existence of the airport.

A recent telephone conversation with Mr. Allan Wichmann, with the FAA District office in Denver, disclosed that the FAA has no control over this airport and that the 7:1 clear zone is not an FAA requirement, but simply a recommendation for safety purposes. He stated that the existing airport facilities penetrate the zone. The PUD zoning will provide for compliance with the FAR Part 77. (See attached zoning descriptions)

We request that the developer retain the right to increase the height of improvements and structures in the 7:1 clear zone if the airport is ever relocated and that this provision be included in the P.U.D. approval.

17. Miscellaneous Commitments

a) Studio 3 land Company has committed to deed-restrict a minimum of 20% of the proposed housing inventory conditional upon the City of Glenwood Springs sponsoring grant applications for the project. At a preliminary level at the Planning and Zoning Commission, the City has committed to sponsoring grant applications for the project. This will provide nearly 50 units to which a deed restriction will be applied. Studio 3 will generate an

Occupancy and Resale Deed Restriction for approval by the City of Glenwood Springs. This will be in the form of a Master Deed Restriction. Each individual purchaser of a deed restricted property will be required to sign a Memorandum of Acceptance that will then be attached to the Master Deed Restriction and recorded with the deed at the initial purchase. Studio 3 will act as real estate broker for the initial sales to ensure that the deed restrictions are filed. All future re-sales will be the responsibility of the City of Glenwood Springs or its assignee.

The level of subsidy that will be required to generate 20% of the Cardiff Glen units to be deed restricted must be negotiated between Studio 3 and the City of Glenwood Springs. This commitment will culminate in a contract between Studio 3 and the City of Glenwood Springs and be included in the Subdivision Improvements Agreement. The level of subsidy required to result in a unit's deed restriction will be established as a per unit minimum, but no less than 10% of the Studio 3 Baseline Price. This minimum level of subsidy shall be established by reviewing the current "unrestricted" sale or rental price of a unit against the sale or rental price at which a purchaser is willing to accept a deed restriction. As an example, if two identical units are priced at \$150,000.00 and one is unrestricted while one has an Occupancy and Resale Deed

Restriction, the deed restricted unit will have no market appeal. The point at which that unit becomes acceptable to a purchaser as a deed restricted unit will establish the minimum level of subsidy required to deed restrict that specific unit.

The project as proposed offers an incentive to the City and the Housing Commission to be involved in securing subsidies as this will result in the perpetual deed restriction of units. In all likelihood, the level of subsidized units (and subsequently deed restricted units) will substantially exceed the 20% mark. All subsidies will be pursued by Studio 3 and thus eliminate the manpower requirements for the City of Glenwood Springs. The City will however, need to participate as a conduit, via its signature, to secure some or all of the pursued subsidies. Other levels of subsidy may come directly from the City such as fee waivers. In either scenario, these subsidies will be applied dollar for dollar to unit sales prices.

The proposed unit prices are presented as a baseline for the application of subsidy dollars only. This price structure is presented in 1998/99 dollars and will be adjusted according to local inflation. The specifics of how many units receive subsidy and as such, a deed restriction, will depend on the nature and the amount

of the subsidy.

It is the goal of Studio 3 to continue to work with the City, the State and the Housing Commission, as we have done to date, to create units that fall into a price or rental structure that is not currently available in Glenwood Springs or the surrounding area. All work done to date on this development, from the design of the lotting plan, to the architecture, to the financing, has been done with the singular purpose of creating affordable housing. As a result, at this time, with no subsidy, more than 85% of the project falls within the definition of affordable as stated by the Housing for Tomorrow Commission and the City of Glenwood Springs.

In summary, the affordable housing components of the Cardiff Glen development are as follows;

- Current projected pricing for the Cardiff Glen units provide for more than 85% of the project to fall within the City's definition of "affordable" (based on the 80% to 150% median income presented by the Housing for Tomorrow Commission),
- Studio 3 will pursue, with the cooperation of the City of Glenwood Springs, subsidies for application to Cardiff Glen,

- All subsidy money will be applied, dollar for dollar, to the reduction of sale/rental prices of units,
- All units that receive a minimum qualifying subsidy of at least 10% of the projected Studio 3 baseline price will have an Occupancy and Resale Deed Restriction filed on the property.

Housing Data Table

	A	B	C	D	E	F	G	H	I
	Assumed		Studio 3	Min.	% of	80% Med.		Target	
Unit Type	Unit Household	No. of	Baseline	Annual	Med.	Income	Monthly	Affordable	Difference
	Size	Units	Price	Income	Income	See Table Below	Income	Price	
Studio/C	440	4	\$85,000	\$25,526	85%	\$24,150	\$2,013	\$80,420	\$4,581
1-BR MF/C	880	4	\$120,000	\$38,038	104%	\$27,800	\$2,317	\$92,574	\$27,426
2-BR MF/C	1,200	8	\$135,000	\$40,541	104%	\$31,050	\$2,588	\$103,397	\$31,604
2-BR MF	800	31	\$125,000	\$37,538	97%	\$31,050	\$2,588	\$103,397	\$21,604
2-BR MF	1,100	31	\$150,000	\$45,045	104%	\$34,550	\$2,879	\$115,052	\$34,949
3-BR MF	1,250	50	\$175,000	\$52,553	122%	\$34,550	\$2,879	\$115,052	\$59,949
3-BR SF	1,350	60	\$215,000	\$64,565					
4-BR SF	1,600	31	\$230,000	\$69,069					
TOTAL		217			103% Average				

- A Used to determine the affordable income level. Assumption is based upon Unit Size.
 B Units proposed to be built by Studio 3.
 C Studio 3 baseline sales price before any subsidy.
 D Minimum income required for baseline priced unit.
 E Baseline price as a percentage of Area Median Income for corresponding household size.
 F 80% of Area Median Income.
 G Monthly Income at 80% of Area Median Income.
 H Affordable housing price for 80% of Area Median Income.
 I Difference between Studio 3 baseline price and Affordable Housing price.

1998 Garfield County Household Income Data

		Household Size							
		1	2	3	4	5	6	7	8
Median Income	100%	\$30,200	\$34,750	\$38,800	\$43,200	\$48,800	\$50,050	\$53,500	\$57,000
Moderate Income	80%	\$24,150	\$27,800	\$31,050	\$34,550	\$37,300	\$40,050	\$42,800	\$45,600
Low Income	60%	\$18,100	\$20,700	\$23,300	\$25,900	\$27,950	\$30,000	\$32,100	\$34,150
Very Low Income	50%	\$15,100	\$17,250	\$19,400	\$21,600	\$23,300	\$25,050	\$26,750	\$28,500
Extremely Low Income	30%	\$9,050	\$10,350	\$11,650	\$12,950	\$13,950	\$15,000	\$16,050	\$17,050

b) Studio 3 Land Company has committed to provide six thousand, two hundred and fifty dollars (\$6,250.00) towards the preservation of the coke ovens located on County Road 116. This money will be provided to the Historical Society.

c) Studio 3 Land company has committed to improve County Road 116 from the intersection of Four Mile Road to the eastern most PUD intersection (Darrow Street). These improvements will include widening the asphalt platform, widened shoulders, drainage improvements and the trail adjacent to the road.

d) As previously stated, Studio 3 Land company has committed to provide funding for the construction of the ball field at Summerville Park; while this is not required, the project otherwise meets it's for open space and parkland. Funding for this ball field will be provided directly to the City of Glenwood Springs.

e) We agree to Mr. Gambrel's comments regarding transformer and water locations, equipment and labor costs and roadway conditions. There will be street lights in the development. We will meet with Mr. Gambrel to discuss what type of fixture would be acceptable. We will also meet with him to discuss the issue of our share of the cost to upgrade and bury the main overhead line on Country Road 116.

f). We will construct a 3-rail split-rail fence along the common airport property line that will limit pedestrian access to the airport, as approved by the Airport Committee. The fence will be maintained by the City of Glenwood Springs.

D. ZONING STANDARDS

**CARDIFF GLEN
PLANNED UNIT DEVELOPMENT**

ZONING STANDARDS

R/2 – PUD

Single Family Residential

I. Uses

A. Permitted Uses:

1. Single-family Dwelling
2. Two-family Dwelling (duplex)
4. Accessory Dwelling Unit (ADU)
5. Open Space/Parks
6. Pedestrian and bicycle trails
7. Minor Home Occupation as defined under Section 070.010.010 "Home Occupation".

II. Minimum Lot Sizes

A. Residential

1. Single Family Dwelling 3,000 Square feet
2. Two-family Dwelling(duplex) 6,000 Square feet
(Two lots combined)

III. Off-Street Parking

A. Residential

1. Single Family Dwelling 2/unit
2. Two-family Dwelling(duplex) 2/half duplex
3. ADU 1/unit
4. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Setbacks

A. Residential

1. Single Family Dwelling
 - Front Yard 10 feet
 - Rear Yard 10.5 feet
 - Side Yard 3 ft.min./ 10 feet total
10 feet on street side
 - Side Yard (Corner lots) 10 feet on street side, 5'
on common lot side
2. Two-family Dwelling(duplex)
 - Front Yard 10 feet
 - Rear Yard 10.5 feet
 - Side Yard 0 feet at common wall/ 10
feet total
 - Side Yard (Corner lots) 10 feet on street side, 5'
on common lot side
3. Combined or zero lot-line garages or outbuildings permitted where
two adjacent property owners agree in writing.

V. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

A. Residential

1. Single Family Dwelling 30 feet
2. Two-family Dwelling(duplex) 30 feet
3. 77 "Objects Affecting Navigable Airspace", whichever is
more restrictive.

VI. Maximum Floor Area

- A. Residential 1 square foot of gross
building area per 1
square foot of lot area
(1:1)
- B. Accessory Dwelling Unit 300 s.f. min., 500 s.f.
max. excluding garage
space.

C. Maximum Lot Coverage

60% of lot area as defined by Section 070.010.010 "Lot Coverage".

D. Exclusions

In accordance with Section 070.010.101 "Floor Area".

VII. Maximum Density

14 dwelling units per acre

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

ZONING STANDARDS

R/3 – PUD

Multi-family Residential

I. Uses

A. Permitted Uses:

1. Single family dwelling
2. Two-family dwelling
3. Multi-family dwelling
4. Open Space/Parks
5. Pedestrian and bicycle trails
6. Minor Home Occupation

II. Minimum Lot Size

6,000 Square feet

III. Off-Street Parking

A. Residential

1. Multi-family Dwelling 2/unit
1 guest space per 5 units
2. Single Family Dwelling 2/unit
3. Two-family Dwelling(duplex) 2/half duplex
4. ADU 1/unit
5. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Open Space Requirements per Multi-family Parcel

- A. Common Open Space. Each multi-family parcel shall be required to provide the following quantities of *common open space* in accordance with Section 070.010.010 "Common Open Space".

Lot 92	17,587 s.f.
Lot 93	3,002 s.f.
Lot 94	2,644 s.f.
Lot 95	26,216 s.f.
Lot 96	35,351 s.f.

- B. Active Open Space. Each multi-family parcel shall be required to provide the following quantities of useable *active open space* within and inclusive of the Common Open Space Requirements of Paragraph A. above in accordance with Section 070.070.030.B.

Lot 92	5,804 s.f.
Lot 93	991 s.f.
Lot 94	873 s.f.
Lot 95	8,651 s.f.
Lot 96	11,666 s.f.

V. Setbacks

A. Residential

1. Multi-family Attached

Front Yard	20 feet
Rear Yard	10 feet
Side Yard	10 feet per building 15 feet on street side
2. Single Family Dwelling

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	3 ft.min./ 10 feet total 10 feet on street side
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side
3. Two-family Dwelling(duplex)

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	0 feet at common wall/ 10 feet total
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side

VI. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

- A. Residential
 - 1. Single Family Dwelling 30 feet
 - 2. Two-family Dwelling(duplex) 30 feet
 - 3. Lots 92, 93 & 96 40 feet
 - 4. Lots 94 & 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace", whichever is more restrictive.

VII. Maximum Floor Area

- A. Residential 1 square foot of gross building area per 1 square foot of lot area (1:1)
- B. Open Space Refer to Paragraph IV above for Open Space Requirements

VIII. Maximum Density 35 Units per gross acre

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

ZONING STANDARDS C/3 – PUD Commercial / Residential

I. Uses

A. Permitted Uses:

1. Multi-family Dwelling
2. Open Space/Parks
3. Pedestrian and bicycle trails
4. Minor Home Occupation
5. Commercial
 - a. Day Nursery
 - b. Food and beverage service (25 seat maximum)
 - c. Professional office
 - d. Grocery
 - e. Personal service establishment as follows: barber shop or beauty shop, laundromat or laundry serving individuals, shoe repair shop, tailor shop and other similar services.

Commercial uses shall be located on the first floor only with the exception of professional office which can be located on the second floor. All commercial buildings shall have residential uses on the second and or third floor where applicable.

6. Schools
7. Transit Facility
8. Indoor Commercial Recreation Use

II. Minimum Lot Size

10,000 Square feet

IV. Off-Street Parking

- A. Commercial per Article 070.050.060.D.11.
- B. Multi-family above Commercial
 - 1 per studio unit
 - 1 per 1-bedroom unit
 - 2 per 2-bedroom unit
 - 1 guest space per 5 units
- C. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Setbacks

- A. Commercial / Residential
 - Front Yard 5 feet
 - Rear Yard 5 feet
 - Side Yard 5 feet

V. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

- A. Commercial / Residential 40 feet

VI. Maximum Floor Area

- A. Commercial / Residential
 - 1 square foot of gross building area per 1 square foot of lot area (1:1)

E. Exhibits

1. Soils & Foundation Investigation
2. Airport Noise Assessment
3. Wildlife Considerations
4. Summary of Development Standards/Home-owners Covenants

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

Summary of Development Standards/Homeowners Covenants

All buildings in Cardiff Glen will be required to be varied and articulated to provide visual interest for pedestrians. A combination of the following identifying features are encouraged:

- Combinations of smaller masses, two story with one story elements.
- Gabled and/or hipped roofs with cross gables, gabled inset or hipped dormers.
- Moderate to steep roof pitches with overhanging eaves.
- Front entry and windows facing the street.
- Partial, full width or wrapped one story front porches.
- Focal windows, bay windows, door and window surrounds of human scale.
- Balconies, stoops, covered walkways, raised dooryards.
- Uniform setbacks from street for all single family areas.
- Minimum of two parking spaces for single family dwellings with alley access

Primary Building on Single Family Lots

- The minimum dwelling size shall be 800 s.f.
- The maximum dwelling size shall be 3000 s.f.
- The primary residence must orient toward the street.
- Entry walks shall be constructed of concrete, pavers or natural stone.
- Entry elevation must be approximately at street level unless terrain requires changes.

Homeowners Covenants

The Cardiff Glen Subdivision is a mix of single family, multi-family and neighborhood commercial areas and each will have their own protective covenants and by-laws. The following highlights will be helpful in understanding how Cardiff Glen functions. The Executive Board of the Association will manage the affairs of the Homeowners Association. The Covenants are written to protect the Homeowners and to insure the quality of the subdivision. Rules will be developed for maintenance, use, occupancy, leasing, landscaping, light, noise, signs, and other activities. All construction within the development, with the exception of parkland dedicated to the City, is subject to review and approval by the Development Review Committee, including primary buildings, outbuildings, fences and walls, landscaping, driveways and parking. All construction must be in conformance with the Development Standards and all standards of the City of Glenwood Springs Municipal Zoning, and Building Codes.

Accessory Dwelling Units

The developer will designate lots that will be permitted to construct ADU's. ADU's will be over the garage or attached to the primary residence. Maximum area shall be 440 s.f. Either the residence or ADU must be owner-occupied by either the owner, his relative, employee of Glenwood Springs, or the entire property may be rented as a single unit with a minimum rental period of nine months.

Permitted Roofs and Gutters

- Pitches of 8:12 or greater for all gabled or hipped roofs on primary single family, multi-family and commercial buildings.
- Shed roofs with 4:12 minimum to 8:12 maximum pitch used as porch coverings or building appendages.
- Flat roofs permitted only if not visible from street.
- Symmetrical front or cross gables; side gables only with additional dormers.
- Symmetrical front or cross hipped roofs.
- Gabled, hipped, inset or similar dormers.
- Overhangs a minimum of 6".
- Skylights, vent stacks, solar panels not visible from the street.
- Roofs with wood shingles, composition shingles, sheet metal or corrugated panels in dark earth-tone colors, non-reflective.

Yard Requirements - Single Family

- Front yard setback - 10 ft.
- Side yard setback -10 ft total.
- Side yard setback for corner lots –10 ft. on street side, 5 feet on common lot side.
- Rear yard setback in alley - 10'-6'
- Combined or zero lot-line garages or outbuildings permitted where two adjacent property owners agree in writing.

Basements

- Allowed in single family, multi-family and commercial areas, subject to site specific soil analysis.

Landscaping

- Treated City water not permitted for irrigation.
- Lot owners to maintain the landscape strip in front of their property.
- No identical houses are allowed to be built without two dissimilar houses between in the same block or facing the same street.

Permitted Mass and Scale

- Primary building mass or approximately 800 s.f. minimum to approximately 1200-1700 s.f. maximum.
- Larger projects divided into building masses with transitions.
- Building entrances similar in scale to those seen in traditional neighborhoods.

Permitted Exterior Materials

- Horizontal or vertical board siding, wood shingles, corrugated metal.
- Stone or brick veneer.
- Stucco or other synthetic stucco-type materials where material occupies less than 60% of total exterior surface.

Building Requirements

- Maximum building height:

Single family	30 ft.
Multi-family	40 ft.
Commercial/MF	40 ft.
- Maximum number of stories:

Single family	2-1/2
Multi-family	3
Commercial/MF	3
- Maximum floor area ratio 1:1
- Minimum landscaped open space 20%
- Minimum parking for single family 2 cars
- Parking required at alley access only where lots abut an alley.

Allocated Interest

The proportionate share of common expense liability and votes allocated one per single family or neighborhood commercial homesite and one and one-half per each duplex homesite.

Assessments

Are based upon an annual budget of common expenses in accordance with the allocated interest of each owner.

Common Expenses

Includes maintenance and repair of the irrigation system, ditches and ponds, fencing, management and administration of the HOA, costs of Development Review Committee, insurance, alley maintenance and repair, open-space trail

easements, neighborhood center facility, and any other expenses incurred by the Association.

Easements

All restrictions for the fences, irrigation system, ditches, ponds, alleys, rights-of-way, trails, parks and emergency services will be established and detailed in the final plat.

Irrigation

All exterior water must be with the irrigation system owned and operated by the HOA. The irrigation system will use water rights owned by the City of Glenwood Springs. Use will be restricted.

Lease Restrictions

All leases must be in writing and are subject to all rules of the HOA.

Neighborhood Commercial/Home Occupancy

The Midland Commercial Center is designed for a combination of residential use with retail commercial, offices or personal service use and will be subject to all rules of the HOA.

Parking Restrictions

All access to parking in the single family lots (except Lots 1-10, 90 & 91, and multi-family Lots 93 & 94) must be through the alley. All single family lots will have a minimum of two on-site parking spaces.

No resident parking will be allowed on the subdivision streets.

No recreational vehicles or boats will be allowed in Cardiff Glen.

On-street parking will be allowed only in designated areas and will be limited to 72 hours.

No overnight parking will be allowed at Summerville Park or Grand River Park.

Community Center

Ownership, maintenance, taxes and insurance shall be the sole responsibility of the *master* Cardiff Glen Homeowners Association.

engineering dynamics

October 26, 1998

Mr. John Baker
Studio 3 Land Co.
1001 Grand Ave.
Glenwood Springs, Colorado 80601

FAX PAGE 1 OF 4
1-970-928-9709

Voice: 1-970-928-9704

RE: QUOTE FOR AIRCRAFT NOISE ASSESSMENT
GLENWOOD AIRPORT RESIDENTIAL PROJECT

Dear Mr. Baker:

Engineering Dynamics, Inc. has completed an Airport noise impact assessment for the proposed Park East PUD and the Cardiff Neighborhood PUD, located on the East and West sides of the Glenwood Springs Airport.

1.0 Background

The proposed residential developments are directly East and West of the Glenwood Springs Airport.

1.1 Measurement Locations

One 24-hour A-weighted statistical noise measurement was performed at two locations on the property. The measurement locations were;

Measurement Location 1 - Park East PUD 200' from the Northeast corner of the Airport property, on the Airport property line.

Measurement Location 2 - Park East PUD 1000' from the Northeast corner of the Airport property, on the Airport property line.

Measurement Location 3 - Cardiff PUD, 500' from the Northwest corner of the Airport property, on the Airport property line.

1.2 Measurement Dates

Measurements were made at all three sites from 9pm Thursday October 15, 1998 to 9am Monday October 19, 1998. The DNL data is reported for Friday, Saturday and Sunday October 16, 17 and 18, since 24-hours of hourly Leq data was obtained for these three days.

2.0 Applicable Standards

Department of Housing and Urban Development U.S. Department of Housing and Urban Affairs (HUD) defines acceptability of land used for residential development to be Normally Acceptable when the measured DNL < 65 dB(A). Residential areas with an Day-Night Level (DNL) < 65 dB(A) comply with the Normally Acceptable Criteria for residential development, areas that have DNLs ≥ 65 and ≤ 75 dB(A) are considered Normally Unacceptable, and areas that have DNLs ≥ 75 dB(A) are considered Unacceptable.

3925 south kalamath street
englewood, colorado 80110
(303) 761-4367 • fax (303) 761-4379

Mr. Baker
October 26, 1998
Page 2 of 4

The FAA uses the DNL 65 dB(A) Normally Acceptable Limit, to apply to residential developments. Residential developments that are within the DNL 65 contour are unacceptable. Residential developments between the DNL 60 and 65 dB(A) contours are acceptable, but with more robust construction to mitigate exterior aircraft noise.

NOTE: During a sample period the Sound Pressure Level (SPL) or noise level fluctuates up and down, if we were to perform an energy average of the fluctuating levels throughout the sample period (i.e. find the area under the curve). The Energy Equivalent Level (Leq) is simply equal to the constant noise level, over the same time period, that would have the same area under the curve. The DNL is the logarithmic average of the daytime (7am to 10pm) and the nighttime (10pm to 7am) Leq's, with a ten dB(A) penalty added to the nighttime Leq.

3.0 Typical Noise Levels

Table 3.1 lists instantaneous A-weighted Sound Pressure Levels (SPLs)/noise levels of some typical events.

Table 3.1: A-weighted SPLs of Typical Events/Activities

Event or Activity	dB(A)
Threshold of Hearing	0
Inside Recording Studio	15
Quiet Rural Night	30
Soft Whisper at 6' and Quiet Suburban Night	35
Rustle of Leaves at 6'	40
Quiet Urban Daytime	50
Normal Conversation at 3'	60
Vacuum Cleaner at 10'	70
Crowded Restaurant and Noisy Urban Daytime	75
Lawn Mower at 3'	85
Nightclub	100

NOTE: For the average human an increase of the measured noise level of 10 dB is 'Subjectively Perceived' as being twice as loud or half as loud for a 10 dB decrease. The decibel change at which the average human will indicate that the noise is just perceptibly louder or perceptibly quieter is 3 dB.

4.0 Measured Data

4.1 DNL and Hourly Leq Data

Results of the 72-hour A-weighted Leq and DNL noise measurements are shown in Tables 4.1. Inspection of the data in Table 1 shows the following:

engineering
dynamics

Mr. Baker
October 26, 1998
Page 3 of 4

- a. The average DNL at any of the three sites is less than 60 dB(A).
- b. The DNL 60 and 65 noise contours are located on airport property and do not extend into the proposed residential areas.
- c. Based on the results of 'a' and 'b' both residential areas fall within the HUD Normally Acceptable Limits.

4.2 Background Noise Levels

Background noise levels across both sites are in the range of 45 to 50 dB(A) during the daytime hours and 32 to 38 dB(A) during the nighttime hours.

4.3 Impact from S.H. 82 Traffic Noise

During the measurement period observation of background noise sources in the area of the proposed developments showed that the dominant source was vehicle traffic on S.H. 82.

Typical automobile traffic noise levels for the Park East PUD range from 45 to 50 dB(A), with truck noise levels peaking from 60 to 75 dB(A).

Typical automobile traffic noise levels for the Cardiff Neighborhood PUD range from 42 to 47 dB(A), with truck noise levels peaking from 60 to 70 dB(A).

5.0 Conclusions

Based on results of Section 4.0 the proposed residential developments, Park East and Cardiff Neighborhood PUDs are not within the DNL 60 or 65 Noise Contours around the Glenwood Springs Airport.

NOTE: It is not uncommon in Eastern and Western states of the U.S. to have residential developments built right up to the property line of a small airport, such as the Glenwood Springs Airport. This is not a typical occurrence in Colorado because the population is not as high as in other parts of the U.S.

If you have any questions, please contact me at our Englewood office.

Sincerely,

ENGINEERING DYNAMICS, INC.



Stuart D. McGregor
Vice President

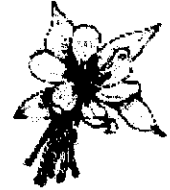
engineering
dynamics

Mr. Baker
October 26, 1998
Page 4 of 4

Table 4.1: A-weighted Hourly Leg and 24-hour ONL Data

Time	Site 1			Site 2			Site 3		
	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3
0	40.6	43.2	42.9	41.1	43.6	43.0	39.0	41.9	41.2
1	41.2	42.7	43.1	42.1	42.9	43.4	39.4	41.5	41.6
2	41.0	41.0	41.1	41.3	41.8	41.8	39.4	39.6	39.9
3	42.9	41.6	40.8	43.6	42.5	41.5	41.1	40.0	39.7
4	44.0	44.4	39.7	44.5	44.5	41.2	42.5	43.3	38.1
5	50.8	45.8	43.2	50.1	46.1	43.6	48.9	44.4	41.3
6	57.5	47.8	44.1	55.5	47.6	44.6	56.0	46.2	42.7
7	57.3	50.5	55.2	59.9	50.6	53.9	55.6	45.7	53.6
8	61.1	51.6	55.4	67.9	52.3	54.0	59.9	50.3	53.4
9	54.9	60.2	63.6	60.2	56.0	64.8	53.6	59.1	61.9
10	67.5	55.8	60.9	61.5	53.9	68.3	65.5	54.0	59.1
11	55.3	55.3	55.5	63.2	54.1	56.0	53.6	54.0	53.9
12	52.8	53.4	60.4	52.1	57.1	58.2	51.7	51.9	58.8
13	53.7	63.1	56.0	56.7	64.3	56.1	52.1	61.7	54.2
14	53.7	56.1	59.0	52.9	56.9	59.9	52.4	55.1	57.9
15	54.4	53.5	58.4	53.2	52.2	57.7	52.6	51.9	57.3
16	54.4	52.6	55.8	53.8	50.6	53.9	52.7	51.5	53.8
17	55.3	51.9	56.5	54.8	51.6	57.0	53.3	50.2	55.0
18	53.4	52.3	56.4	53.1	52.0	55.7	51.6	51.1	54.9
19	52.2	50.6	49.9	52.2	50.9	50.1	50.2	49.3	43.4
20	50.3	49.7	48.1	49.7	50.0	48.2	48.4	47.8	47.0
21	49.4	47.6	47.7	49.4	47.6	48.3	47.7	46.6	46.2
22	48.7	46.8	45.9	49.1	46.9	46.1	46.8	45.2	44.9
23	46.5	45.2	43.1	46.3	45.1	43.4	45.3	43.8	41.3
ONL	59.0	55.5	56.5	59.4	55.5	58.4	57.3	54.1	55.0

Andrew Antipas Ecological & Environmental Consulting, LLC



11/20/98

Tom Stevens
Stevens Group
580 Main St.
Carbondale, CO 81623

Reference: Cardiff Glen
Wildlife Considerations

Dear Mr. Stevens,

Based on the condition of the site, adjacent land uses, and city zoning it is my opinion that the proposed subdivision will not significantly impact wildlife resources. On November 13, 1998 I visited the Cardiff Glen site in order to inspect the existing habitat and adjacent land uses. I also reviewed the Colorado Division of Wildlife's database through a search I requested from the Garfield County Planning Department's GIS coordinator.

The following letter describes the results of my site observations and review of the CO Division of Wildlife mapping for the subject property. Also enclosed is a project location map and two site photographs, which should orient the reader and give them a sense of the sites characteristics.

Property Description

The 22 acre parcel is bordered by the Glenwood Airport to the northeast, the Sopris Elementary School to the west, and sparsely developed steep terrain to the south. Vegetation on the site is dominated by big sagebrush and a mixture of grasses.

A portion of the site appears to have been disturbed in the past as if it might have been graded at one point and used as a parking or storage area. It appears that there is gravel (road base?) distributed on the site. However, the size of the sagebrush indicate that the area has been undisturbed for a number of years.

Recent mule deer sign was observed on site in the form of fresh hoof prints and scat. The deer may access the Roaring Fork River through the site. Plus, there is suitable vegetation on site for the deer to eat. The sagebrush plant community is also a good indicator that the site does not hold snow very long in the winter, which would make it good winter habitat. However, there is not a lot of cover for big game.

The site is surrounded on three sides with human development, and it is my understanding that the Federal Aviation Administration (FAA) has regulations regarding wildlife activities near airports. Encouraging wildlife activity near the runway is a safety hazard and should be discouraged.

Colorado Division of Wildlife Mapping

Colorado Division of Wildlife mapping indicated that the subject property consisted of winter range and overall range for mule deer. Plus, the project area falls within bald eagle winter range and black bear overall range.

The CO Division of Wildlife defines Winter Range as "that part of the overall range of a species where 90 percent of the individuals are located during the average five winters out of ten from the first heavy snowfall to spring green-up, or during a site specific period of winter as defined for each Data Analysis Unit (DAU)."

The CO Division of Wildlife also lists a disclaimer for their wildlife maps. The disclaimer reads as follows: "Care should be taken in interpreting these maps. The activity areas portrayed here are a graphic representations of phenomena that are difficult to reduce to two dimensions. Animal distribution is fluid, animal populations are dynamic, and either may vary considerably from what is shown here."

Conclusions

The study area does fit the typical description for mule deer winter range. However, based on adjacent land use, some of which strongly conflict with wildlife activity, the development of this site will not significantly impact wildlife habitat.

Even though the area is mapped as bald eagle winter range the site is well off the Roaring Fork River and there are no suitable roost sites available, which is likely due to the airport maintaining a clear zone at the ends of the runways. Many of the western slope mountain communities fall within black bear habitat. The bears are our neighbors and new residents need to be educated to discourage bears from visiting neighborhoods. Usually garbage attracts the animals, so homeowners need to be encouraged to store trash out of harms way.

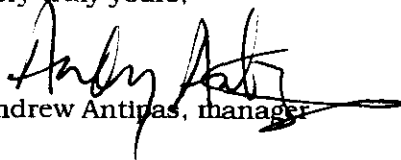
Developing this site within the Glenwood Springs city limits is an opportunity to reduce suburban sprawl. In addition, this site is filling the gaps between existing development, which is significantly better from a wildlife perspective than developing rural sites. Given the presence of the airport, elementary school, and established subdivision this site is in keeping with surrounding land use.

However, the term "urban" is relative to the type of city we are talking about. Large quantities of public land are located in close proximity to our western slope communities. Clearly, deer frequent the study area, and if there are deer you can certainly expect a variety of other wild animals in the area like coyote, fox, raccoons, bear, and skunk.

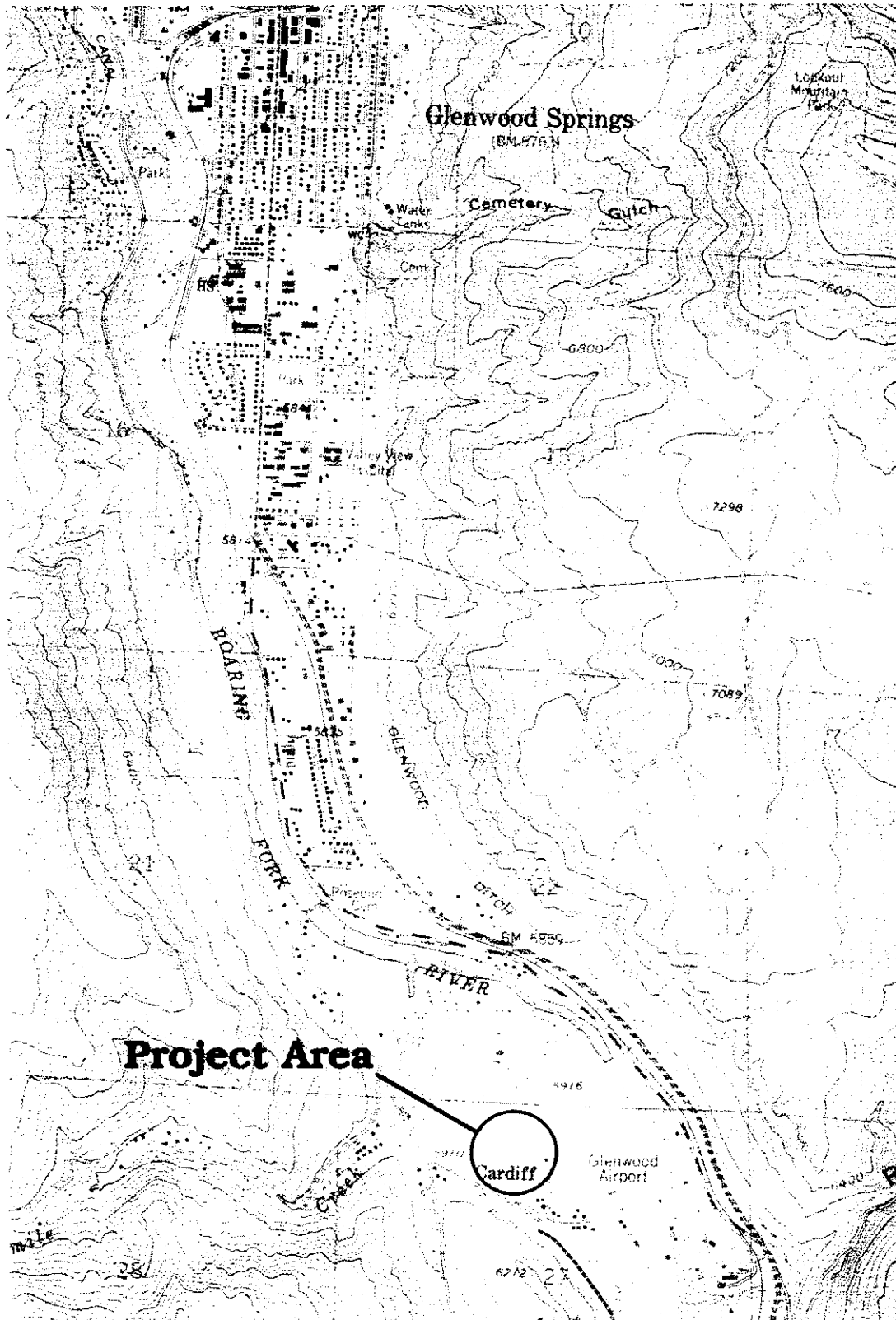
Therefore, home owners need to be educated so they are sensitive to wildlife concerns. Trash should be stored in such a way in order to eliminate the temptation to bears, raccoons, and skunks. Dogs and cats should be kenneled and not allowed to roam. Dogs and cats can have a significant impact of wildlife especially in the winter. The homeowners association should consider instituting regulations which recognize wildlife issues that are part-and-parcel with living on the western slope.

If I can provide any additional information, or answer any questions you might have, please do not hesitate to call. Thank you for the opportunity to serve you.

Very truly yours,


Andrew Antipas, manager

PROJECT LOCATION MAP



VSGS Glenwood Springs Quadrangle
Photorevised 1987
Scale: 1" = 2,000'

FIGURE 1



Photo 1. Cardiff Glen Site. Looking northwest

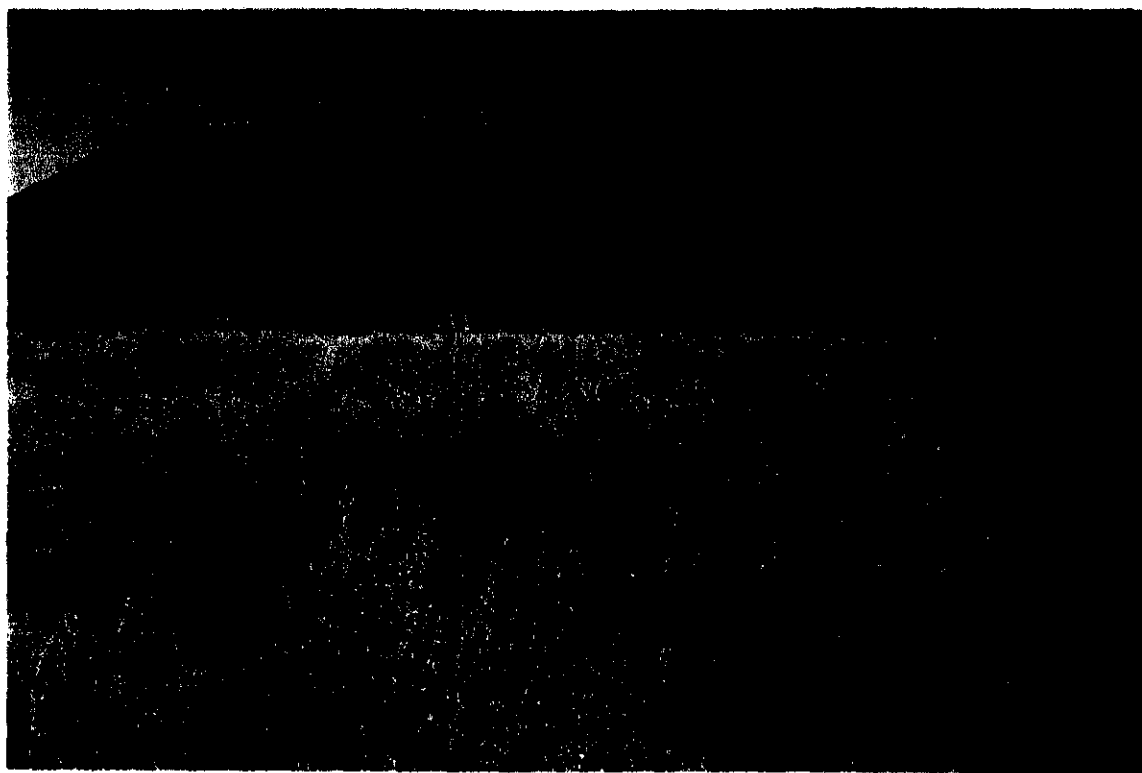


Photo 2. Gardiff Glen Site. Looking north.

Garfield County Planning Department GIS Resources:

Colorado Division of Wildlife WRIS Data Checklist for: Park East,

Cardiff site, Andy Antipas. - Rob Hykys 11-16-98

Rob Hykys, GIS Analyst, garcopin@rof.net 970-945-8212, FAX: 970-945-7785 6/17/98 10:39 AM

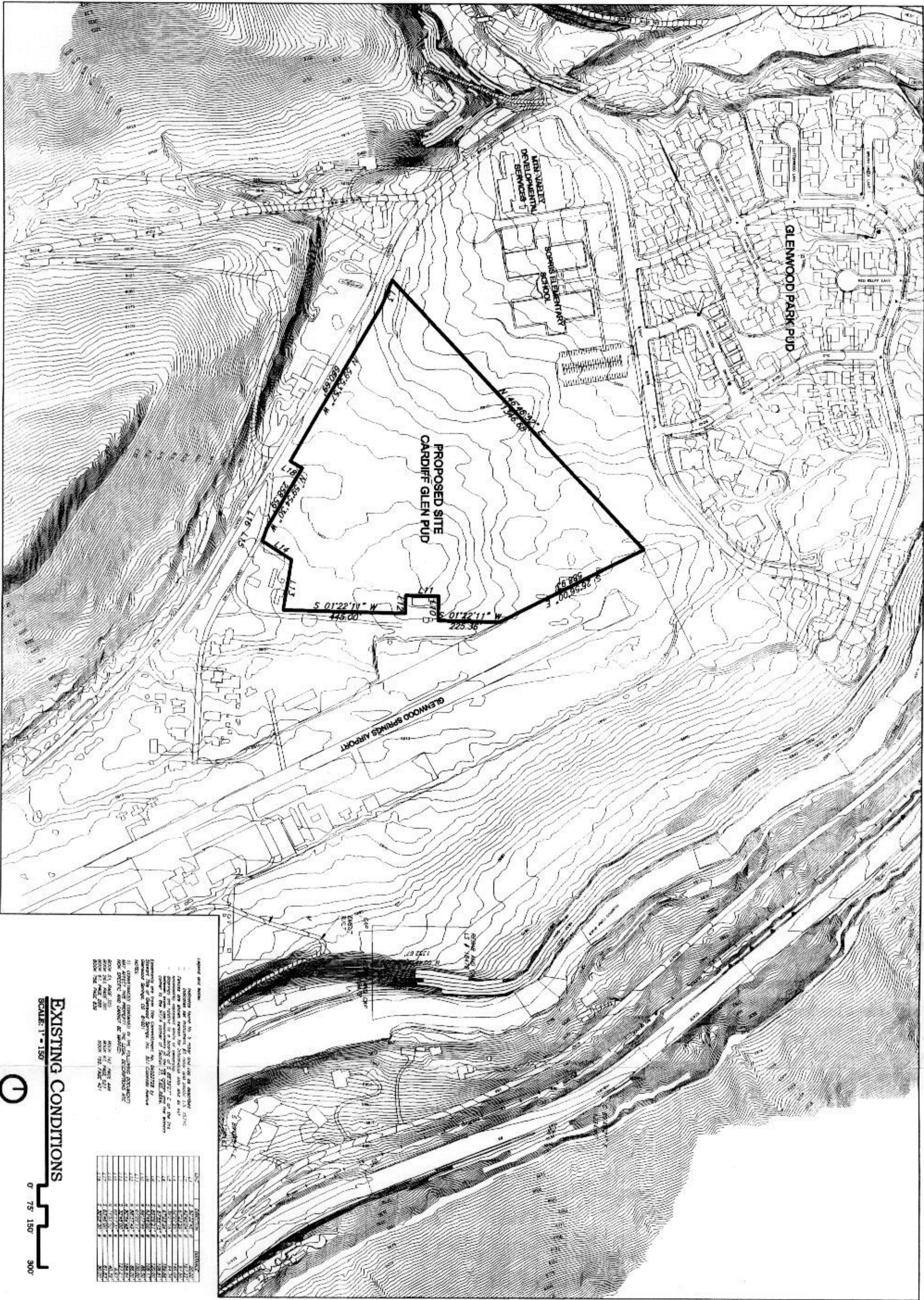
Note: For interpretation of this data, contact Division of Wildlife, Grand Junction, Pam Schnurr, Wildlife Biologist at 970-297-1192.

Wildlife habitat lies:

	Entirely in Area	Partly in Area	Within 1 Mile	Out of Area
Bald Eagle Active Nest Site	✓	—	—	✓
Bald Eagle Winter Range	✓	—	—	—
Black Bear Overall Range	—	—	—	—
Black Bear Human Conflict	—	—	—	—
Black Bear Fall Concentration Area	—	—	—	—
Black Bear Summer Concentration Area	—	—	—	—
Bighorn Migration Patterns	—	—	—	—
Bighorn Overall Range	—	—	—	—
Bighorn Winter Range	—	—	—	—
Bighorn Winter Concentration Area	—	—	—	—
Bighorn Summer Range	—	—	—	—
Bighorn Production Area	—	—	—	—
Boreal Toad	—	—	—	—
Canada Goose Brood Concentration Area	—	—	—	—
Canada Goose Feeding Area	—	—	—	—
Canada Goose Production Area	—	—	—	—
Canada Goose Wintering Area	—	—	—	—
Canada Goose Winter Concentration Area	—	—	—	—
Chukar	—	—	—	—
Colo River Cuthroat Trout	—	—	—	—
Elk Migration Corridors	—	—	—	—
Elk Winter Range	—	—	—	—
Elk Winter Concentration Area	—	—	—	—
Elk Severe Winter Range	—	—	—	—
Elk Overall Range	—	—	—	—
Elk Summer Range	—	—	—	—
Elk Summer Concentration Area	—	—	—	—
Elk Production Area	—	—	—	—
Golden Eagle Nest Site	—	—	—	—
Golden Eagle Nest Unknown Status	—	—	—	—
Great Blue Heron Nesting Area	—	—	—	—
Kitfox Potential Habitat	—	—	—	—
Kitfox Field Sightings	—	—	—	—
Lynx	—	—	—	—
Mule Deer Migration Patterns	—	—	—	—
Mule Deer Winter Range	✓	—	—	—
Mule Deer Winter Concentration Area	—	—	—	—
Mule Deer Severe Winter Range	—	—	—	—
Mule Deer Overall Range	✓	—	—	—
Mule Deer Summer Range	—	—	—	—
Mule Deer Resident Population Area	—	—	—	—
Mule Deer Highway Crossing	—	—	—	—
Native Fish - MUD, WHITEFISH, MOTTED SCUPIN, FLANNELMOUTH SUCKER, BLUE-HEAD SUCKER	—	—	—	—
Osprey Active Nest Site	—	—	—	—

Wildlife habitat lies:

	Entirely in Area	Partly in Area	Within 1 Mile	Out of Area
Peregrine Falcon Active Nest	—	—	—	✓
Peregrine Falcon Nesting Area	—	—	—	✓
Peregrine Falcon Migratory Hunting Habitat	—	—	—	✓
Pronghorn Antelope Overall Range	—	—	—	✓
Pronghorn Antelope Winter Range	—	—	—	✓
Pronghorn Antelope Winter Concentration Area	—	—	—	✓
Ptarmigan Potential Habitat	—	—	—	✓
Raptors - GOLDEN EAGLE, LONG EARED OWL	—	—	✓	✓
Razorback Sucker	—	—	—	✓
River Otter Overall Range	—	—	✓	✓
Sage Grouse Brood Area	—	—	—	✓
Sage Grouse Overall Range	—	—	—	✓
Sage Grouse Production Area	—	—	—	✓
Sage Grouse Winter Area	—	—	—	✓
Wild Turkey Overall Range	—	—	✓	✓
Wild Turkey Production Area	—	—	—	✓
Wild Turkey Winter Range	—	—	—	✓
Wild Turkey Winter Concentration Area	—	—	—	✓
Wild Turkey Roosting Sites	—	—	—	✓
Willow Flycatcher Potential Significant Habitat	—	—	—	✓
Wolverine Possible Sighting	—	—	—	✓



Legend and Notes:

- 1. Contour lines are shown at 10-foot intervals.
- 2. Elevation is shown in feet above sea level.
- 3. The map is based on a survey of the area.
- 4. The map is not to be used for any other purpose.
- 5. The map is not to be used for any other purpose.

Symbol	Description
1	Contour lines
2	Elevation
3	Proposed site
4	Existing site
5	Proposed road
6	Existing road
7	Proposed building
8	Existing building
9	Proposed parking
10	Existing parking
11	Proposed utility
12	Existing utility
13	Proposed fence
14	Existing fence
15	Proposed wall
16	Existing wall
17	Proposed gate
18	Existing gate
19	Proposed sign
20	Existing sign

EXISTING CONDITIONS

SCALE: 1" = 150'



①

CARDIFF GLEN
PLANNED UNIT DEVELOPMENT
Glenwood Springs, Colorado

Studio 3
LAND COMPANY, LLC
3001 Grand Avenue, Suite 211, Glenwood Springs, Colorado 81601 970.838.8282 970.838.8241 fax
400 Lake Street, Suite 206, Glenwood, Colorado 81503 970.838.8717 970.838.8707 fax
7200 1st Avenue, Suite 100, Glenwood, Colorado 81518 970.838.8232 970.838.8200 fax

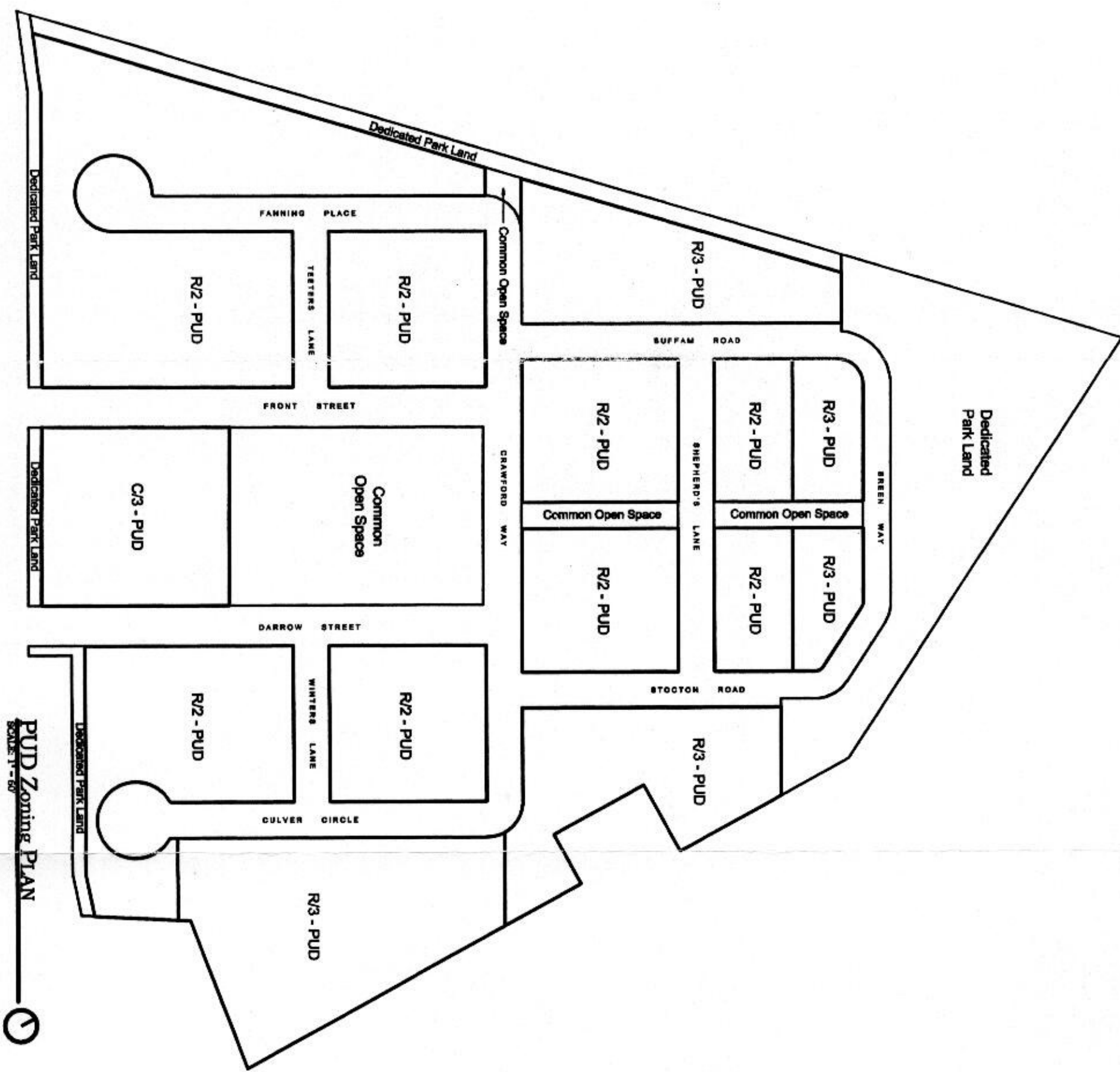
REVISIONS

JOB NUMBER 9803
DATE 12-10-98
DRAWN BY JTB
CHECKED BY

SHEET NUMBER

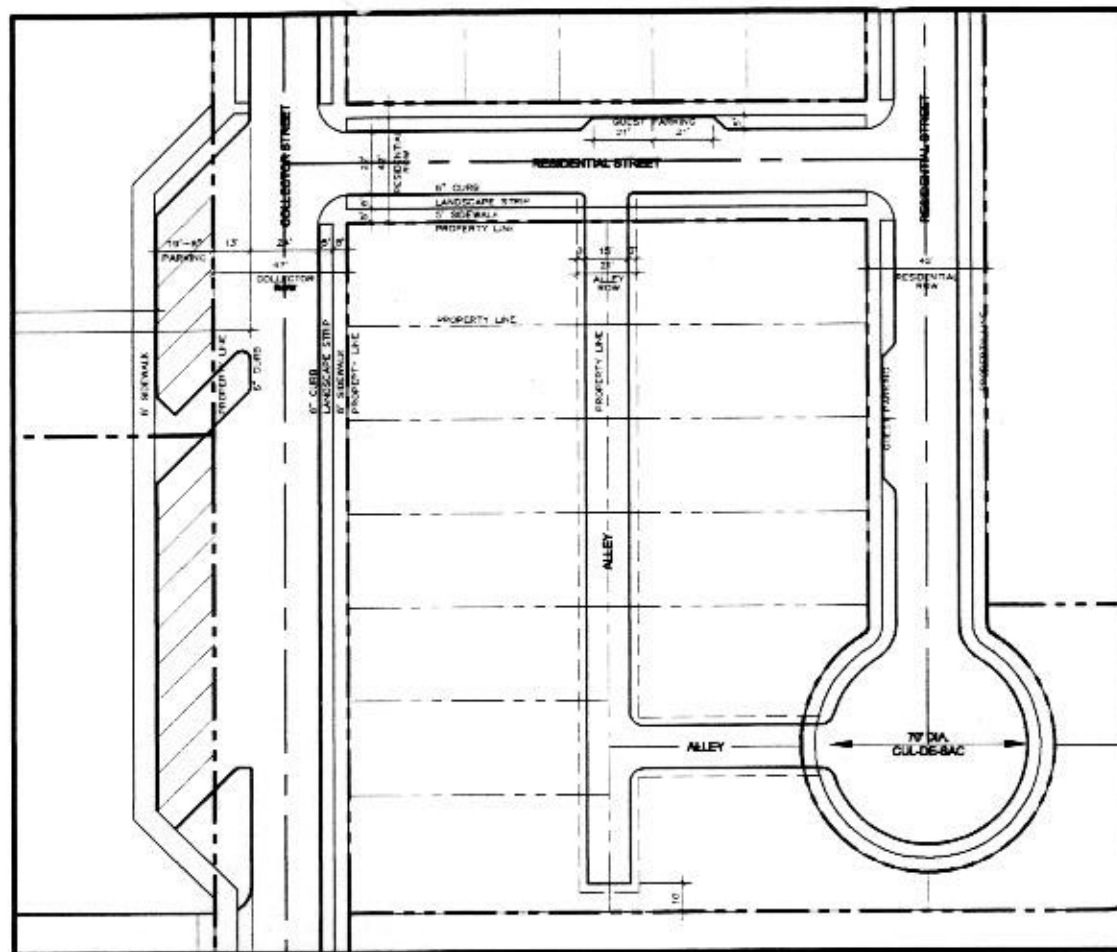
1

OF 5 SHEETS

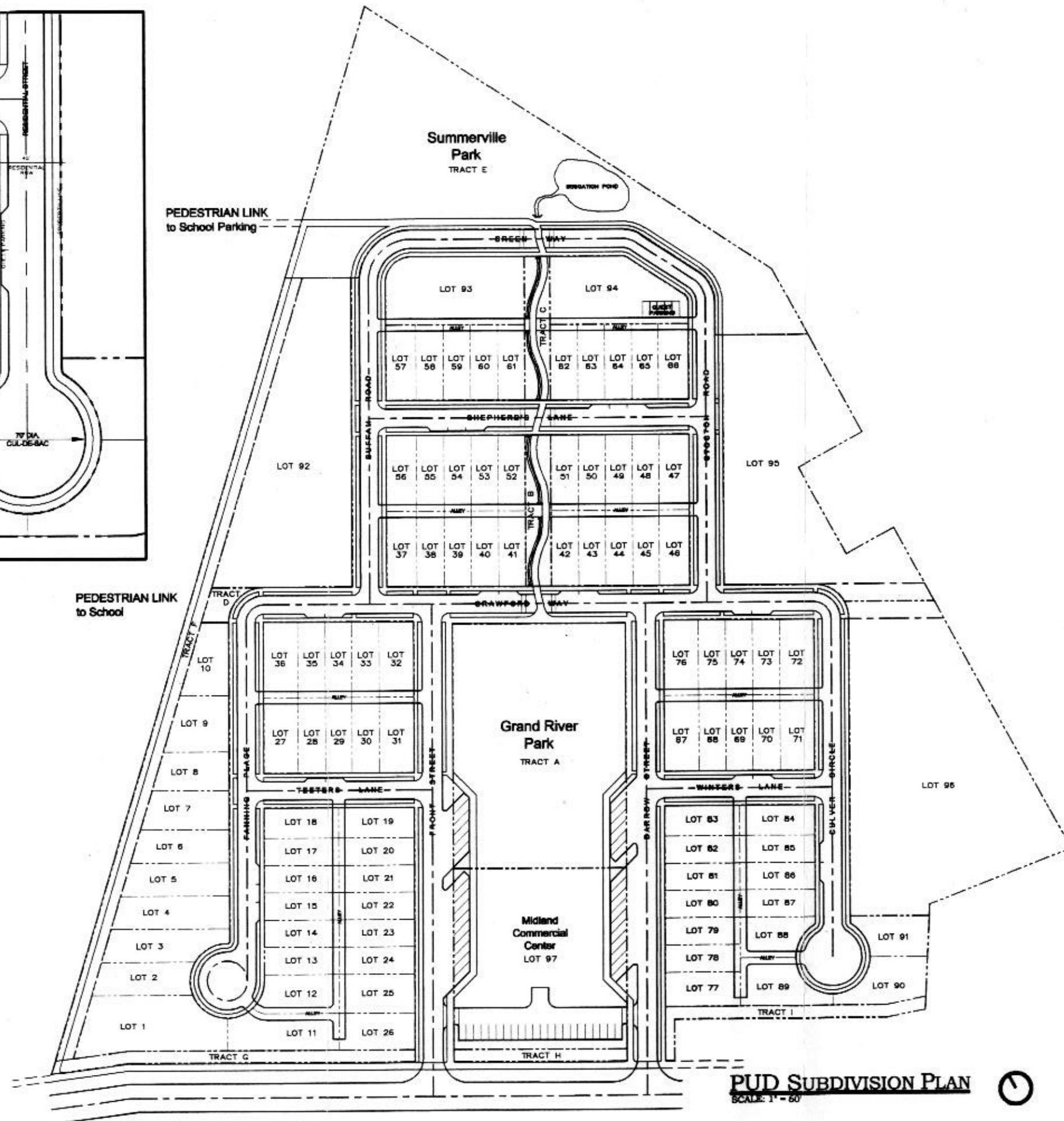


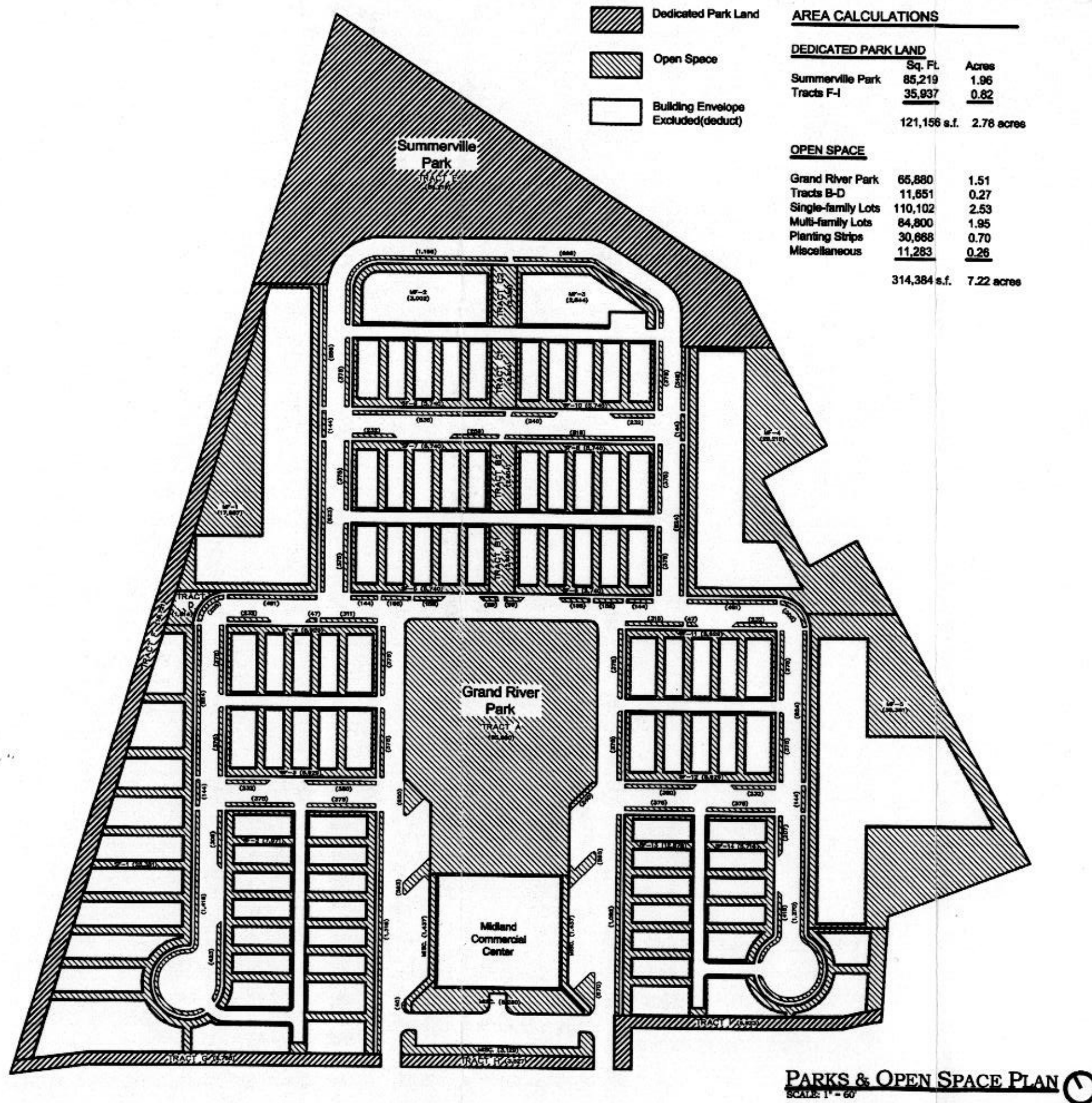
PUD Zoning Plan
SCALE 1" = 60'
⑦

SHEET NUMBER 3 OF 5 SHEETS	JOB NUMBER 9803 DATE 12-10-98 DRAWN BY JEB CHECKED BY	REVISIONS	CARDIFF GLEN PLANNED UNIT DEVELOPMENT Glenwood Springs, Colorado	Studio 3 LAND COMPANY, LLC 5001 Grand Avenue, Suite 300, Glenwood Springs, Colorado 81601 (970) 268-2222 (970) 268-2241 fax 200 Main Street, Suite 200, Glenwood Springs, Colorado 81601 (970) 268-2211 (970) 268-2212 fax 1200 1/2 Ave. Avenue, Aspen, Colorado 81611 (970) 926-1200 (970) 926-1201 fax
	JOB NUMBER 9803 DATE 12-10-98 DRAWN BY JEB CHECKED BY	REVISIONS	CARDIFF GLEN PLANNED UNIT DEVELOPMENT Glenwood Springs, Colorado	Studio 3 LAND COMPANY, LLC 5001 Grand Avenue, Suite 300, Glenwood Springs, Colorado 81601 (970) 268-2222 (970) 268-2241 fax 200 Main Street, Suite 200, Glenwood Springs, Colorado 81601 (970) 268-2211 (970) 268-2212 fax 1200 1/2 Ave. Avenue, Aspen, Colorado 81611 (970) 926-1200 (970) 926-1201 fax



LOT DATA





CARDIFF GLEN PLANNED UNIT DEVELOPMENT

ZONING STANDARDS

R/3 – PUD

Multi-family Residential

I. Uses

A. Permitted Uses:

1. Single family dwelling
2. Two-family dwelling
3. Multi-family dwelling
4. Open Space/Parks
5. Pedestrian and bicycle trails
6. Minor Home Occupation

II. Minimum Lot Size

6,000 Square feet

III. Off-Street Parking

A. Residential

1. Multi-family Dwelling 2/unit
1 guest space per 5 units
2. Single Family Dwelling 2/unit
3. Two-family Dwelling(duplex) 2/half duplex
4. ADU 1/unit
5. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Open Space Requirements per Multi-family Parcel

- A. Common Open Space. Each multi-family parcel shall be required to provide the following quantities of *common open space* in accordance with Section 070.010.010 "Common Open Space".

Lot 92	17,587 s.f.
Lot 93	3,002 s.f.
Lot 94	2,644 s.f.
Lot 95	26,216 s.f.
Lot 96	35,351 s.f.

- B. Active Open Space. Each multi-family parcel shall be required to provide the following quantities of useable *active open space* within and inclusive of the Common Open Space Requirements of Paragraph A. above in accordance with Section 070.070.030.B.

Lot 92	5,804 s.f.
Lot 93	991 s.f.
Lot 94	873 s.f.
Lot 95	8,651 s.f.
Lot 96	11,666 s.f.

V. Setbacks

A. Residential

1. Multi-family Attached

Front Yard	20 feet
Rear Yard	10 feet
Side Yard	10 feet per building 15 feet on street side
2. Single Family Dwelling

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	3 ft.min./ 10 feet total 10 feet on street side
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side
3. Two-family Dwelling(duplex)

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	0 feet at common wall/ 10 feet total
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side

VI. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

- A. Residential
 - 1. Single Family Dwelling 30 feet
 - 2. Two-family Dwelling(duplex) 30 feet
 - 3. Lots 92, 93 & 96 40 feet
 - 4. Lots 94 & 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace", whichever is more restrictive.

VII. Maximum Floor Area

- A. Residential 1 square foot of gross building area per 1 square foot of lot area (1:1)
- B. Open Space Refer to Paragraph IV above for Open Space Requirements

VIII. Maximum Density 35 Units per gross acre

**SOLSTICE TOWNHOMES
LOT 95 & LOT 96 CARDIFF GLEN P.U.D.
PRELIMINARY ENGINEER'S OPINION OF PROBABLE COST
FOR PUBLIC IMPROVEMENTS**

MATERIAL QUANTITIES & COSTS

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	SUB-TOTAL
Sidewalk along Culver to Stocton to Crawford				
Mobilization	1	LS	\$2,000.00	\$2,000.00
Clearing and Grubbing	3450	SF	\$1.25	\$4,312.50
Storm Water Management Plan	1	LS	\$1,600.00	\$1,600.00
Geotechnical Testing	1	LS	\$600.00	\$600.00
Unclassified Excavation	180	CY	\$32.00	\$5,760.00
5' Sidewalk (4" thickness)	2725	SF	\$8.00	\$21,800.00
5' Sidewalk (6" thickness)	540	SF	\$10.00	\$5,400.00
ADA Ramp	340	SF	\$20.00	\$6,800.00
Sidewalk along east property line of Lot 96				
Mobilization	1	LS	\$750.00	\$750.00
Clearing and Grubbing	2670	SF	\$1.25	\$3,337.50
Storm Water Management Plan	1	LS	\$1,600.00	\$1,600.00
Geotechnical Testing	1	LS	\$600.00	\$600.00
Unclassified Excavation	200	CY	\$32.00	\$6,400.00
5' Sidewalk (4" thickness)	1910	SF	\$8.00	\$15,280.00
5' Sidewalk (6" thickness)	285	SF	\$10.00	\$2,850.00
ADA Ramp	80	SF	\$20.00	\$1,600.00
Fire Hydrant on Lot 96				
Fire Hydrant Assembly w/ 22' of 6" CL 52 D.I.P	1	LS	\$7,800.00	<u>\$7,800.00</u>
Total Cost				\$88,490.00

**#15-18 – Solstice Townhomes (Lot 95 and Lot 96 Cardiff Glen Planned Unit Development),
Rezoning to PUD (amendment to existing PUD), Major Site/Architectural Plan Review,
and Preliminary Plat.**

Community Development Review Comments/List of Necessary Revisions

Cover Sheet

-As previously request, please identify public improvements in the public facilities statement provided such as public sidewalks, utilities, and/or anything being dedicated to the public (i.e parking along Stockton Road, etc.).

Project Summary Table (and related questions)

-As previously requested, please call out the required number of parking spaces as 64.
-Please call out the maximum/minimum/required numbers for various features such as height (for both R/3 PUD and the airport), parking, etc. in addition to the proposed numbers provided.
-As previously requested, please call out the required amount of active open space (outlined below) the amount provided onsite.
-As previously requested, please call out and depict the actual active open space amenities proposed for lot 96 (a dog walk/path has been mentioned in past) that equal the required 7,000 square feet.

Common and Active Open Space Areas

Lot 95 – Common Open Space to be 19,246 sq. ft.
Active Open Space to be 17,302 sq. ft.

Lot 96 – Common Open Space to be 21,210 sq. ft.
Active Open Space to be 7,000 sq. ft.

-As previously requested, please call out snow storage for Lot 95. You can supplement this with a removal/storage contract from an outside company if desired). Please clarify.

Preliminary Plat

-Please revise the note regarding the widths of streets to specify “existing” streets.

Site Plan

-As previously requested, please revise the dashed setbacks line adjacent to building 1 to depict 15 feet as is required by the R/3 PUD. Also, please call out the proposed setback for each building to the nearest adjacent property boundary.
-As previously requested, please revise the location of building 1 to meet the required/requested setbacks.
-As previously requested, please depict and label sight triangles at all street and driveway/street intersections.
-It appears the sidewalk along Culver Circle does not connect to the intersection of Ripple Lane (ingress) therewith. Please clarify/revise as previously requested.
-The sidewalk alignment along Ripple Lane between buildings 2 and 3 may create a potential hazard for pedestrians as vehicle maneuver in/out of building 2. Please clarify/revise.

-The four on-street spaces proposed along Stockton Road adjacent to Spirit Mountain Park does not seem to be to scale. Additionally, a sidewalk is not provided to the northern end of the property. Please clarify/revise.

-Is there an easement associated with the water line depicted at the southernmost property line? Please clarify/depict its width as previously requested.

Architectural Plans

-As previously requested, please depict and call out exterior lighting for building 3.

-As previously requested, please call out the pitch of the gables/crickets on various sheets.

-The floor plan for building 3 depicts the water/fire connections incorrectly as “laundry”. Please revise.

-On all elevations, should beams be located along the end of elevated porches/decks on end units? Please clarify/revise.

Landscape Plan

-As previously requested, please provide information regarding the amount of seed per acre and total quantity for all areas of proposed revegetation.

-As previously requested, please provide a separate symbol for each different plant species.

-As previously requested, please depict and label sight triangles at all street and driveway/street intersections.

-Please correct the number of shrubs table provided to accurately represent plantings depicted.

Engineering Department	Date: November 12, 2018
Jessica Bowser Asst. City Engineer	To: Tent Hyatt, Senior Planner
	Re: Solstice Townhomes Construction Document 2 nd Review

Please see the following comments from Engineering for Review of the Solstice Townhomes Construction Documents.

1. Engineering 2nd Review: Resolved.
2. Engineering 2nd Review: Resolved.
 - a. Engineering 2nd Review: Resolved.
 - b. Engineering 2nd Review: Resolved.
 - c. Engineering 2nd Review: Resolved.
 - d. Engineering 2nd Review: Resolved.
 - e. Engineering 2nd Review: Resolved.
3. The drainage report is not stamped. Include the affirmation in the stormwater section of the engineering standards and stamp the report as it is final. Please also review the requirement of Chapter 4 and verify that all items listed under the report section are included.
Response from developer: Stamped Final Drainage Report - included in 10/22/18 Submittal. All applicable items found in Engineering Standards, Chapter 4, have been included and addressed.

Engineering 2nd Review: Almost resolved. Please move the affirmation and stamp to the front of the document.

- a. Engineering 2nd Review: Resolved.
- b. The drainage report assumes a C value based on the development type for basins B-1 and B-2. Those assumed C values for land use are only to be used when estimating regional detention for PUD's. Actual impervious areas should be calculated at the time of development using the actual impervious proposed. Any increase in the allowed impervious for the regional detention (or retention in this scenario) per the original report should be detained within the lot. Additionally, the report uses a composite C value of 0.543 for all of Basin B. This is the C value used to calculate the allowable runoff from Basin B to the retention area. Please provide a calculated C value and determine if runoff has increased from the assumptions included in the previous report. If the total discharges from the site are higher, then additional detention on site will be required.
Response from developer: Drainage Report and C Values – The revised drainage report now reflects proposed impervious areas. Since the proposed “Q” values are less than in the Banner Associates Drainage report, we discussed that no additional detention would be required except on the east side of Lot 96. There is no overflow assumption(detention) in the design. Any additional site observations and reporting can be provided in the development phase of the project. Ian Hause observed site percolation and performance of existing drainage appurtenances every three days during 12 consecutive days of measurable rainfall in October 2018 at Cardiff Glen. Soils percolated, and facilities performed.

Engineering 2nd Review: The C values provided do not reflect the soil type. Refer to USDCM for the Soil Type B. With the corrected C values and the % impervious provided in the report, some basins do increase on what was assumed in the original report. Additionally, the basins are not labeled accurately in the report. There are two "Lot 96 East Basins".

New Comments:

Verify the impervious/Previous areas in the new development. it appears that what is labeled in the plans does not match the report in some places.

After further review of the Banner (March 1, 1999) report, a verification of the drainage that is assumed to go to the detention in Grand River Park should be evaluated. The areas provided on the original report were not hatched or demarcated with the location of assumed uses. The soil type also was not considered when the composite "c" value was calculated.

- c. Indicate where water quality is provided on site.

Response from developer: Water Quality on site will placed and managed as shown on the EROSION CONTROL/CMP PLAN. Also, as per the CDPHE Permit and Exhibits (pending) and on-site compliant and Best Management Practices. Water Quality will be provided via the on-site detention areas.

Engineering 2nd Review: Permanent water quality is required on site. I think that it is mostly met by the existing regional detention, grassy swales, and sand filter basin, but please indicate so as required by the COGS Engineering Standards section 4 that discussed WQCV and the criterion.

- d. Engineering 2nd Review: Resolved.

- e. Engineering 2nd Review: A basin was delineated. This was resolved.

4. The plans are deficient in many areas. Please refer to the engineering standards for addition guidance. Below is a basic summary of major missing items, but is not all inclusive and doesn't guarantee constructability of the site:

- a. All Sheets:

- i. Legend

Response from developer: Legend – Completed, as applicable or otherwise noted.

Engineering 2nd Review: Not addressed, but items are identified in a better manner.

- ii. Page numbers

Response from developer: Page numbers - Completed and shown.

Engineering 2nd Review: Some pages are numbered, but the plan set does not have a consistent numbering that is cohesive.

- iii. Engineering 2nd Review: Resolved.

- iv. Engineering 2nd Review: Resolved.

- v. Engineering 2nd Review: Resolved.

- b. Cover Sheet:

Response from developer: Cover Sheet Notes – See revised Cover Sheet

i. Engineering 2nd Review: Resolved.

ii. Benchmark

Engineering 2nd Review: Not addressed.

iii. New Comment: The Index does not match the plan set I was provided. Landscaping plans were included after the architectural plans.

c. Missing an existing conditions/demolition sheet

Response from developer: Existing Conditions/Demolition Plan - sheet included in submittal.

Engineering 2nd Review: A survey is included. The survey (existing conditions) does not indicate any existing curb and cutter, driveway cuts, etc, as well as any removals necessary for the improvements proposed. Item such as tree removal and asphalt overcut for the installation of curb cuts and utility trenches should be considered in the demolition plan.

d. Site Plan:

Response from developer: Site Plan – See revised Site Plan

i. Engineering 2nd Review: Resolved.

ii. Engineering 2nd Review: Resolved.

iii. This plan doesn't seem to match other plans (i.e. sidewalk locations, ADA ramps, etc.)

Engineering 2nd Review: Not resolved. Architectural plans do not represent some of the improvements shown on the Civil Plans accurately.

iv. Engineering 2nd Review: Resolved.

v. Engineering 2nd Review: Resolved.

vi. Engineering 2nd Review: Resolved.

vii. Stationing of the proposed road

Engineering 2nd Review: Not resolved.

viii. Engineering 2nd Review: Resolved.

ix. Parking dimensions

Engineering 2nd Review: Not resolved.

x. Engineering 2nd Review: Resolved.

xi. Label basis of bearings

Engineering 2nd Review: Not resolved.

xii. Engineering 2nd Review: Resolved.

xiii. Reference details

Engineering 2nd Review: Not resolved.

1. Curb and Gutter

2. Typical sections
3. Driveway Pans/Cuts
4. ADA Ramps

New Comment: correct the detail or add additional detail for the Ramp on the corner of Stockton Road and Cardinal Way.

e. Landscaping Plan:

Response from developer: Landscaping Plan – See Revised Landscape Plan

- i. Engineering 2nd Review: Resolved.
- ii. Engineering 2nd Review: Resolved.
- iii. Engineering 2nd Review: Resolved.

f. Lot 95 Grading and Drainage Plan:

- i. Engineering 2nd Review: Resolved.

- ii. Contour lines do not tie into existing.

Response from developer: Existing contour lines do not tie to proposed contour lines – These have been tied into existing contours as suggested. All of Lot 95 will be disturbed and graded. Please refer to proposed contours on both plans. For example, Solstice shows a 5924 as the next finished grade up from the 5923 shown on Tract J.

Engineering 2nd Review: Not resolved. Contour lines just end in many locations. They should tie into the existing contours to give clear direction to the contractor, especially when paving geometrics or spot elevations are not provided for the full site.

- iii. Contour lines are not accurate if there is curb and gutter on the lot. It is difficult to know since a legend isn't provided.

Response from developer: Curb and Gutter is not planned or shown and therefore not in a reference legend.

Engineering 2nd Review: Not resolved. There is existing curb and gutter and the existing contours do not seem to indicate as such.

- ~~iv. What is the Proposed Dry Detention Basin? Where is it referenced in the Drainage Report? How is it sized?~~

Response from developer: Proposed Dry Retention Basin – This is referenced above and is shown on both the Park Plan and the Civil Plan. It is approximately 330 CF. This accommodates minor drainage from the Solstice portion of the site. Actual perc rates are accelerated from park design assumptions.

Engineering 2nd Review: Resolved, but this item was removed from the plans.

- v. Engineering 2nd Review: Resolved.
- vi. Engineering 2nd Review: Resolved.

- vii. ADA ramps should have details.

Response from developer: ADA Ramp Details – See Sheet C-18

Engineering 2nd Review: Not resolved. The ramp at the corner of Stockton Road and Cardinal Way does not have an associated ramp. If the full radius is depressed, detectable warnings should be included for the full radius.

viii. Sidewalk should have details.

Response from developer: Sidewalk Details – Sidewalk details have been provided.

Engineering 2nd Review: Not resolved. Sidewalk details for the sidewalk in COGS ROW is not provided or referenced to the City standards.

ix. Engineering 2nd Review: Resolved.

x. Engineering 2nd Review: Resolved.

g. Utility Plan and Profile:

i. Engineering 2nd Review: Resolved.

ii. Engineering 2nd Review: Resolved.

1. It appears that additional utility easements will be required

Response from developer: None.

Engineering 2nd Review: Not resolved. See Public Works comments about the documentation/wording of proposed easements below:

- A blanket easement for “utility maintenance” is not acceptable for City Maintenance. The City doesn’t want an easement to all utilities. If a blanket easement is provided to the City, specify that it is for access to maintain hydrants only. The City will not maintain the water or sewer within this site.
- The hydrants should have an easement designated to the City for 7.5’ in all directions (15’x15’ centered on the hydrant).

iii. Engineering 2nd Review: Resolved.

iv. Engineering 2nd Review: Resolved.

h. Lot 96 Grading and Drainage Plan:

i. Engineering 2nd Review: Resolved.

ii. Contour lines do not tie into existing.

Response from developer: Contour lines tie into existing in the locations discussed. The entire site is disturbed and either drains to Culver and those existing elevations or to the constructed retention basin.

Engineering 2nd Review: Not resolved. Contour lines just end in many locations. They should tie into the existing contours to give clear direction to the contractor, especially when paving geometrics or spot elevations are not provided for the full site.

iii. Contour lines are not accurate if there is curb and gutter on the lot. It is difficult to know since a legend isn’t provided.

Response from developer: There is a legend shown and no curb and gutter on Lot 96 property.

Engineering 2nd Review: There is existing curb and gutter. The existing contours don't seem to indicate as such.

- iv. Engineering 2nd Review: Resolved.
 - 1. Engineering 2nd Review: Resolved.
 - 2. Engineering 2nd Review: Resolved.
- v. "The limit of disturbance of Lot 95 will be the entire lot"

This does not indicate the location of the limits, or boundary to the limits. I believe this should read: "The limits of disturbance of Lot 95 shall be the lot boundary."

However, lot 96 doesn't have a boundary to the limits of disturbance, just a line at the edge of the property. This is unclear.

Response from developer: Sheet C10, dashed line will be removed, and note "The Limits of Disturbance shall be the Lot Boundary" will be added. This will also be reflected in the SWDP App and Cert from the CDPHE. Hans we need this revised sheet by Friday morning at 8 am.

Engineering 2nd Review: Not resolved.

- vi. Engineering 2nd Review: Resolved.
- vii. ADA ramps should have details.

Response from developer: Same revision as referenced in Item f.

Engineering 2nd Review: Not resolved. The detail does not match the ramps indicated at the intersections of Ripple Lane.

- viii. Sidewalk should have details.

Response from developer: Same revisions as referenced in Item f.

Engineering 2nd Review: Not resolved. Sidewalk details for the sidewalk in COGS ROW is not provided or referenced to the City standards.

- ix. Engineering 2nd Review: Resolved.
- i. Typical Cross Sections:
 - i. The typical sections don't seem to match what is on the plans as shouldering is not indicated. There are no references to these typical sections on the plans as well.

Response from developer: Typical sections have been corrected and are now referenced.
 - Engineering 2nd Review: Not resolved. The cross sections are not referenced on either the site plan or the grading plan.
- j. Utility Details:
 - i. Engineering 2nd Review: Resolved.
- k. Erosion Control Plan:
 - i. Engineering 2nd Review: Resolved.
 - ii. Engineering 2nd Review: Resolved.

5. Define any proposed easements on the plans.

Response from developer: Shown and described on applicable sheets, in the Governing Documents, or by specific Easement Agreements either already of recorded or to be recorded sequentially upon approval.

Engineering 2nd Review: Not resolved. See Public Works Comments.

- 6. Engineering 2nd Review: Resolved.
- 7. Engineering 2nd Review: Resolved.

New Comments:

- 8. All construction and design must comply with the City of Glenwood Springs Engineering Standards.
- 9. Sheet C12 has a detail showing 4" HBP adjacent to the Valley pan. Another detail shows 3" HBP. Please verify and revise as necessary.
- 10. Sewer Services should have tracer wire per COGS Standards.
- 11. Sewer Services should include a double cleanout.

GENERAL NOTES SEWER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.

GLENWOOD WATER AND SANITATION 945-7685
GLENWOOD ELECTRIC DEPARTMENT 945-6672
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 1-800-922-1987

2. A MINIMUM OF TEN (10) FEET SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. SEWER LINE SHALL BE ENCASED ACCORDING TO THE STANDARD DETAIL (SEE SEWER DETAILS SHEET). IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF GLENWOOD RULES AND REGULATIONS.
4. ALL ENDS OF SEWER SERVICE LINES AND FUTURE STUBS SHALL BE MARKED WITH A METAL FENCE POST, PAINTED GREEN FOR SEWER. *Ends shall be plugged.*
5. CONTRACTOR TO EXCAVATE ALL CONNECTION LOCATIONS TO EXISTING SEWER LINE. CONTRACTOR SHALL VERIFY THE INVERT ELEVATION AND LOCATION AND REPORT TO ENGINEER. GRADES WILL BE ADJUSTED IN THE FIELD IF NECESSARY.
6. SEWER PIPE SHALL BE SDR 35 PVC.
7. SEWER SERVICE SIZES SHALL BE 4" UNLESS OTHERWISE NOTED.
8. SEWER SERVICES SHALL BE CONSTRUCTED AT A MINIMUM 2% GRADE FROM SEWER MAIN TO TERMINATION POINT.
9. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERRUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. AREA. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. INSTALLATION OF SEWER LINES THAT CROSS WATER LINES SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD SPRINGS STANDARDS AND SPECIFICATIONS AND THE COLORADO DEPARTMENT OF HEALTH.
12. CONTRACTOR SHALL PROVIDE A COMPREHENSIVE LIST OF MATERIALS AND MANUFACTURERS TO THE CITY OF GLENWOOD SPRINGS WATER AND SANITATION DEPARTMENT PRIOR TO ORDERING MATERIALS.
13. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
14. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND SEWER INFRASTRUCTURE.
15. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL SEWER LINE INFRASTRUCTURE ON LOTS 95 & 96.

GENERAL NOTES WATER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.

GLENWOOD WATER AND WASTEWATER 384-6344
GLENWOOD ELECTRIC DEPARTMENT 945-5521
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 811

2. A MINIMUM OF TEN (10) FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL WATER MAINS SHALL BE INSTALLED WITH A 5'-6" MINIMUM DEPTH OF COVER. SHOULD CONFLICTS ARISE BETWEEN EXISTING UNDERGROUND UTILITIES, THE PROPOSED WATER MAIN DEPTH MAY BE VARIED PROVIDED THE MINIMUM COVER DEPTH IS MAINTAINED.
4. ALL MAIN LINE AND HYDRANT VALVES BOXES LOCATED IN THE ASPHALT SHALL BE ADJUSTED TO 1/4 INCH BELOW FINISHED GRADE ELEVATIONS.
5. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD RULES AND REGULATIONS.
6. MAXIMUM DEFLECTION PER JOINT IS 10" PER JOINT OR $R = 380'$ FOR 6" & 8" DIP. *prefer to use fittings instead of large deflections*
7. WHERE A WATERLINE CROSSES BENEATH A STORM DRAINAGE CONDUIT AND ACTUAL EARTH COVER IS REDUCED TO LESS THAN 5', INSULATION WILL BE REQUIRED TO A DISTANCE 10' EITHER SIDE OF THE WATERLINE PER DETAIL. *storm line crossing*
8. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERRUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. *staying not to occur in public Row*
10. THE LOCATION OF UNDERGROUND PIPING MAY BE FIELD MODIFIED TO SOME EXTENT TO SUIT FIELD CONDITIONS. *upon city of Glenwood Springs approval or service provider approval*
11. THE CONTRACTOR SHALL AVOID CROSS-CONNECTIONS BETWEEN POTABLE WATER SYSTEM AND OUTSIDE IRRIGATION SYSTEM.
12. ALL MAINLINE VALVES, SERVICE VALVES AND TEES SHALL BE TYPE MJ X MJ. FIRE HYDRANT ASSEMBLIES SHALL INCLUDE AN MJ X SWIVEL TEE AND AN MJ X MJ GATE VALVE.
13. MEGALUG JOINT RESTRAINT WILL BE MANDATORY ON ALL VALVES, BENDS AND FITTINGS. *in addition to a check*
14. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
15. NEW POTABLE WATER MAINS REQUIRE STERILIZATION, PRESSURE TESTING, AND A SUCCESSFUL BACTERIOLOGICAL TEST, PRIOR TO BEING PLACED INTO SERVICE.
16. POLYWRAP SHALL BE INSTALLED WITH ALL UNDERGROUND DUCTILE IRON PIPING.
17. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND WATER INFRASTRUCTURE.
18. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL WATER LINE INFRASTRUCTURE ON LOTS 95 & 96. *to whom will the easements be dedicated?*

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM
CITY OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

SCALE: N.T.S. JOB NO: 2018.15 DATE: 10-22-18
SHEET NO: C2

PINNACLE DESIGN CONSULTING GROUP, INC.

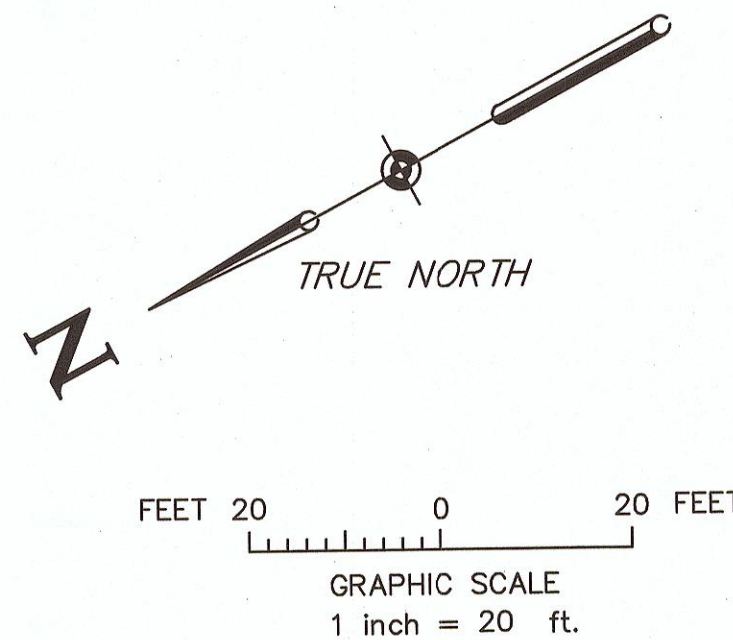
CONSULTING ENGINEERS • 0805 BUCK POINT ROAD
CARBONDALE, CO 81623 • (970) 963-2170
pinnacle.design@sopris.net

REVISION	DATE	DESCRIPTION	BY	CHK'D

SOLSTICE

GLENWOOD SPRINGS, COLORADO

CARDIFF GLEN SUBDIVISION - LOTS 95 AND 96
GENERAL SEWER AND WATER NOTES



NOTE: THE DEVELOPED RUNOFF COEFFICIENT OF ~~0.50~~ IS LESS THAN IN THE BANNER ASSOCIATES INC. ORIGINAL DRAINAGE STUDY FOR CARDIFF GLEN FOR LOT 95.

SUMMARY RUNOFF
"LOT 95 BASIN"

AREA = 39,398 SF
AREA = 0.904 AC
58% IMPERVIOUS
C-DEVELOPED = ~~0.50~~
 $Q_{hist} = 0.77$ CFS
 $Q_{dev} = 1.61$ CFS
SHEET FLOW

$Q_{hist} = 0.77$ CFS
 $Q_{dev} = 1.61$ CFS
MAX. SHEET FLOW
FROM SITE

NOTE:

THE LOT 95 WEST BASIN, WITH THE EXCEPTION OF TWO SMALL SWALES EAST OF BUILDING #1, AND SHEET FLOW CONDITIONS AND FLOWS TOWARDS STOCKTON ROAD OR CRAWFORD WAY (SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FLOW DIRECTION ARROWS).

GENERAL NOTES DRAINAGE BASIN:

1. SINCE THE DEVELOPED RUNOFF COEFFICIENT OF 0.50 IS LESS THAN THE RUNOFF COEFFICIENT OF 0.60 THAT BANNER ASSOCIATES, INC. ASSUMED IN THEIR DRAINAGE REPORT FOR CARDIFF GLEN, NO ADDITIONAL DETENTION IS REQUIRED.
2. DRAINAGE FROM THE RESIDENTIAL PORTION OF LOT 95 IS TRIBUTARY TO THE ADJACENT ROADWAYS AND PARKING AREA AND IS SHEET FLOW IN NATURE RATHER THAN CONCENTRATED.
3. SEE GRADING AND DRAINAGE PLAN FOR LOT 95 FOR DRAINAGE DIRECTION FLOW ARROWS.



+ 5923.80
PK NAIL, AN
PROJECT EL
BENCHMARK

SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

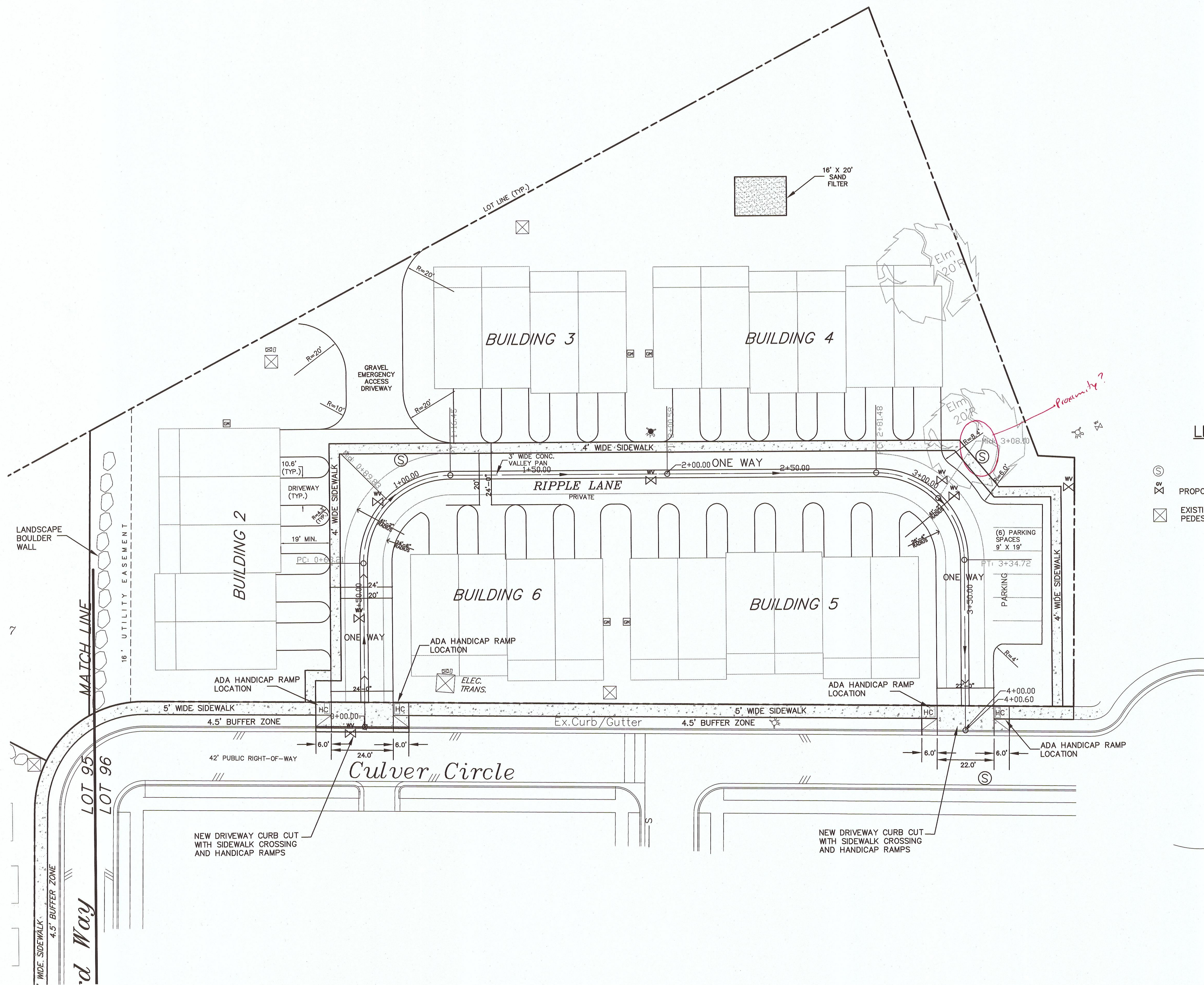
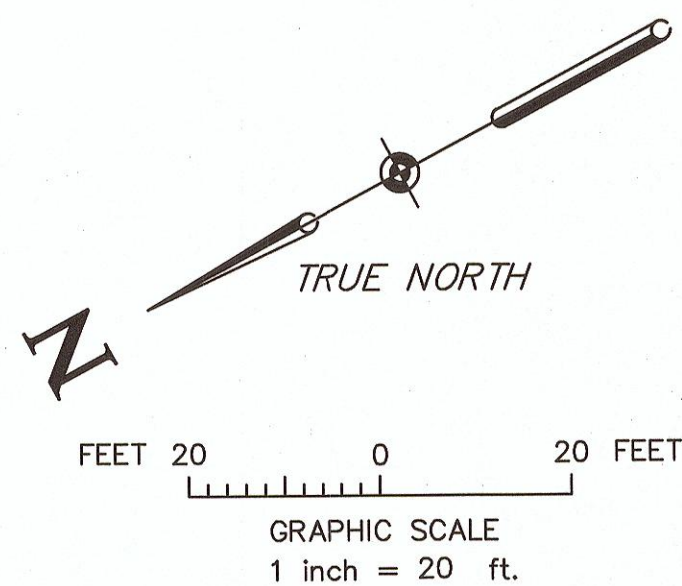
TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

DATE OF PREPARATION: 10-22-18

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____	DATE: _____ FOR _____	<u>PINNACLE DESIGN CONSULTING GROUP, INC.</u> CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacle.design@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHK'D	SOLSTICE	GLENWOOD SPRINGS, COLORADO	SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.										CARDIFF GLEN SUBDIVISION – LOT 95 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN	SHEET NO: C8		



LEGEND

- PROPOSED GATE VALVE
- EXISTING/PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE PEDESTAL LOCATION



PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
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pinnacle设计@soprils.net

REVISION	DATE	DESCRIPTION	BY	CH'D

SOLSTICE	GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES SITE PLAN	

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO: C9		

November 18, 2018

City of Glenwood Springs
Planning and Zoning Commission
101 W. 8th Street
Glenwood Springs, CO 81601

Re: Solstice Park Comments For Public Hearing 11/27/18

Dear Members,

I am Patrick C. Collins. My wife and I reside at 4259 Clark Street in the existing Cardiff Glenn PUD. I ask that these comments are entered in for the Public Hearing on the proposed Solstice Park project planning for Lots 95 and 96 in the Cardiff Glenn PUD.

I would ask the Planning Commission to continue the Public Hearing until the developer has addressed the four issues outlined below and re-noticed the hearing with amendments to surveys and documents for staff review.

- 1) **Grossly Inadequate Parking** – The applicant proposes 29 townhomes. 25 of these are three story four bedroom units. Only two parking spaces are provided for each of these. One inside the one car garage and one spot in front of the garage door. The fourth bedroom is a stand alone/rental unit at garage level and will most certainly generate an additional third, or perhaps fourth vehicle. There are simply no places to park these additional vehicles over two per unit. On a nightly basis Cardiff Glenn is currently generating 20-30 vehicles it cannot accommodate. They are overflowing onto our planned new park areas, and into the Sopris Elementary and LDS Church parking areas. Please do not make this problem worse for us and our neighbors. The current two story Cardiff Townhomes development is made up of 2 bedrooms with 2 parking spaces for each. This is working for them. It demonstrates the appropriate density now needed for parcels 95 and 96 by both parking needed and existing two story heights in the Cardiff Glenn neighborhood.
- 2) **Inadequate Vehicle Access** – As planned currently there is only one direct route into and out of the site. The access is through existing low density family homes and will necessitate that each trip make 3 to 4 90 degree turns (Morgan, Winters, and Culver Streets) just to get inside the dedicated Solstice site. Currently the plans call for a temporary construction access off of County Road 160 on the south side of Parcel 96. The relief sought is to make this second access permanent. This will guarantee plowed and clear emergency access to Solstice and provide relief to existing residents from the additional higher density sought by Solstice.
- 3) **No Snow Storage or Plow Accomodation** – The current plan shows no areas within the parcel that can accept and store snow plowing and accumulation. The only place to move snow will be into the few guest parking spaces or into the emergency easement. If this easement is kept open permanently it will secure open access at all times and provide another relief area for snow removal off site.
- 4) **No Reconstruction of Tandem Parking Areas on Clark and Morgan Streets Demonstrated** – The developer has represented that the reconstruction of tandem parking areas on Clark and

Morgan Streets will take place to reduce these down to single spaces, and then to add additional parking spots along these streets. The current plan shows the new spots, but does not contain plans to remediate the problematic tandem spots and the long term parking issues those areas are causing. The developer will need to assure these off site improvements as part of the park plans already in process.

We thank you for your time and consideration of the items above, and again we ask that the public hearing be continued until the developer can address these items.

Sincerely,

Patrick C. Collins

Water/Wastewater (W/WW) Department Comments

Date: 11/9/2018
Planning Item: 15-18, Solstice Townhomes
Applicant: Cardiff 96 LLC/Abdi Pirzadeh
Owner: Cardiff 96 LLC/Abdi Pirzadeh
Location: 1304 Grand Avenue
Zone: R-3 PUD Multi-family Residential
Parcel: 2185-272-09-027

The following are W/WW Department comments based on a review of the utility plan set dated 10/22/18 and the department review meeting that was held on 10/29/18.

In addition to the comments previously submitted (dated 9/27/18), the W/WW department offers the following comments:

- Specific technical/design comments regarding the plans are provided in the attached redlines/mark-ups.
- The plan set did not include plans showing how the proposed irrigation systems will be connected to the City's dedicated irrigation mains. This is a requirement of the PUD. We understand that connections will be made to the existing Cardiff Glen PUD's private irrigation system, however please provide a plan to the City for review and comment. In addition, legal agreements shall be in place defining operations, maintenance, and financial responsibilities of the irrigation systems by the various HOAs.
- Likewise, the plan set included plans for the proposed Spirit Mountain Park construction and improvements. However, the irrigation plan provided in the set did not indicate how water service will be provided. Please provide plans to the City for review and comment.
- The plan set did not include plans for proposed improvements to the existing Grand River Park.
- We understand the fire sprinkler system(s) are required within the development. The plans correctly note that all water services used for fire protection must be designed and tested in accordance with NFPA 24. The contractor shall be responsible for completing the attached "Contractor's Material and Testing Certificate for Underground Piping" prior to issuance of a Certificate of Occupancy.

- The water and sewer mains and services within the development will be private. Legal agreements shall be in place defining operations, maintenance, and financial responsibilities.

W/WW Department Contact Information:

- o Horacio Diaz – 379-1974 (Sewer Services & Taps)
- o Mike Hoffman – 989-3902 (Water Services & Taps, Cross Connections, Water Meter Inspections)
- o Brad Zachman – 384-6388 (General Information)
- o Utility Billing – 384-6400 (Account setup; Water Meter Purchase)
- o Community Development Department – 384-6411 (Improvements Fees)

Attachments:

- o Scan of utility plan redlines/mark-ups
- o Copy of W/WW Department Comments dated 9/27/18
- o Contractor's Material and Testing Certificate for Underground Piping

BUILDING 1:
FOOTPRINT AREA: 4,036.00 SF
STORIES: 2
UNITS: 4
INDIVIDUAL UNIT SF: 1,788.00 SF
1 CAR GARAGE 238.00 SF

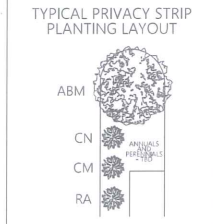
BUILDING 2:
FOOTPRINT AREA: 3,633.00 SF
STORIES: 3
UNITS: 5
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 3:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 4:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 5:
FOOTPRINT AREA: 4,361.00 SF
STORIES: 3
UNITS: 6
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF

BUILDING 6:
FOOTPRINT AREA: 2,905.00 SF
STORIES: 3
UNITS: 4
INDIVIDUAL UNIT SF: 1,676.00 SF
1 CAR GARAGE 297.00 SF



Existing Site Condition Notes

Existing and Proposed topography shown on grading plan.

There are no identified geological formations, water courses, or water bodies.

Existing and proposed utility locations and easement shown on utility plan.

Trash collection will be by unit and managed by STOA.

There are no proposed lightpoles - existing lightpoles are shown on existing conditions map.

Existing tree to be retained - noted on Landscape plan.

Cluster mailboxes may be located with existing CG mailboxes, per the GWS postmaster. Final location to be confirmed.

Total Project sf:	
Lot 95 (not included):	15,450 sf
Lot 96:	69,816 sf
Total	85,266 sf
Building footprint sf:	
Lot 95 -	4,036 sf
Lot 96 -	18,165 sf
	22,201 sf
Impervious s.f. (driveway / sidewalks / individual unit patios)	
Lot 95 -	6,181 sf
Lot 96 -	22,307 sf
	28,488 sf
Open space:	
85,266 - 22,201 - 28,488 =	34,577 sf
Landscape areas:	
LA 1: 11,550 sf - 33% of total open space	
LA 2: 20,055 sf - 57% of total open space	
LA 3: 3,460 sf - 10 % of total open space	

Western Trails Native Grass Seed mix
Sheep Fescue
Perennial Rye Grass
Buffalo Grass
Western Wheatgrass
Little Bluestem grass

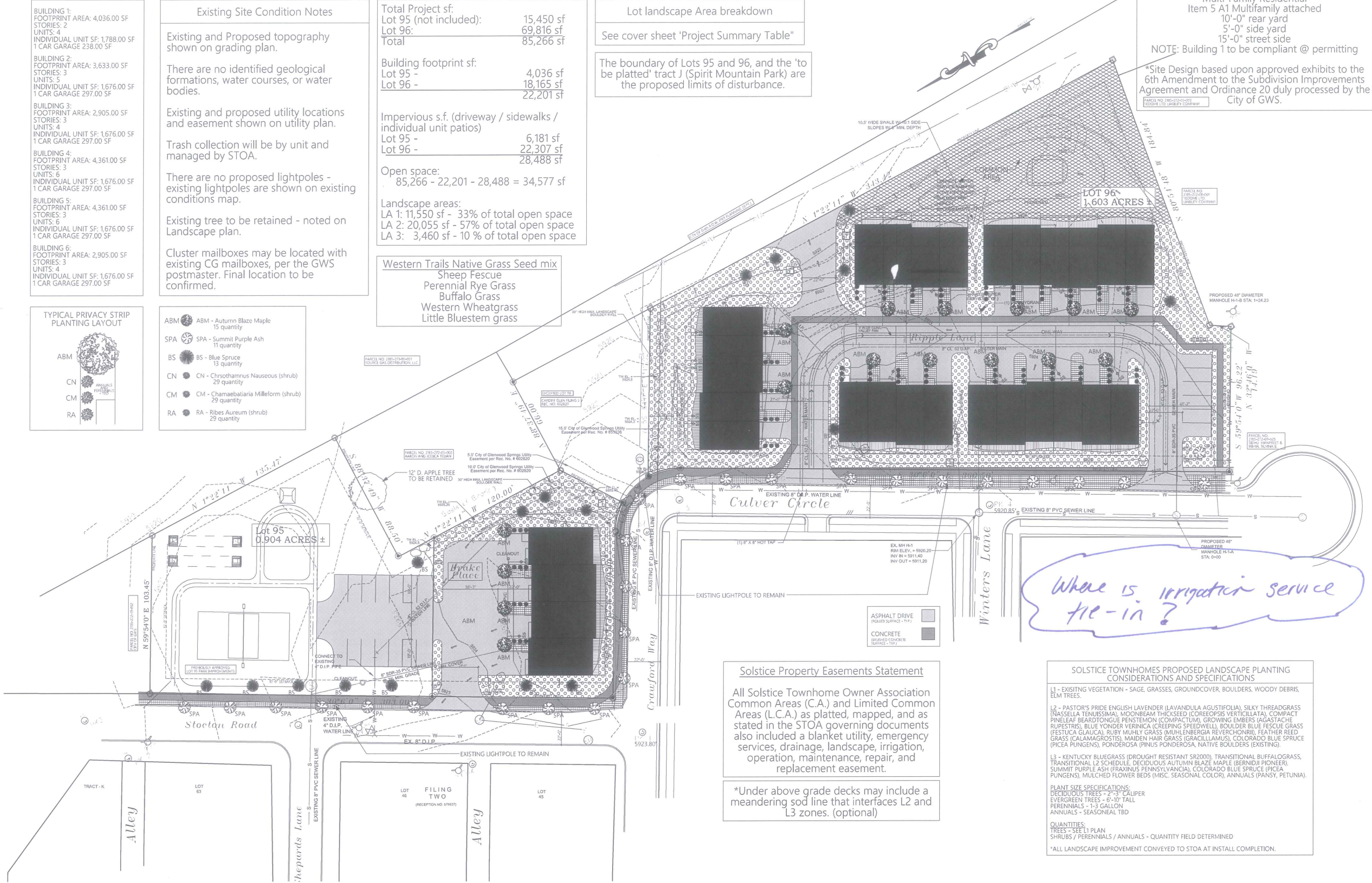
Lot landscape Area breakdown

See cover sheet 'Project Summary Table'

The boundary of Lots 95 and 96, and the 'to be platted' tract J (Spirit Mountain Park) are the proposed limits of disturbance.

10'-0" SIDE / REAR SETBACK PER CARDIFF GLEN P.U.D.
ZONING STANDARDS R/3-PUD
Multi-Family Residential
Item 5 A1 Multifamily attached
10'-0" rear yard
5'-0" side yard
15'-0" street side
NOTE: Building 1 to be compliant @ permitting

*Site Design based upon approved exhibits to the 6th Amendment to the Subdivision Improvements Agreement and Ordinance 20 duly processed by the City of GWS.



Solstice Property Easements Statement

All Solstice Townhome Owner Association Common Areas (C.A.) and Limited Common Areas (L.C.A.) as platted, mapped, and as stated in the STOA governing documents also included a blanket utility, emergency services, drainage, landscape, irrigation, operation, maintenance, repair, and replacement easement.

*Under above grade decks may include a meandering sod line that interfaces L2 and L3 zones. (optional)

SOLSTICE TOWNHOMES PROPOSED LANDSCAPE PLANTING CONSIDERATIONS AND SPECIFICATIONS

L1 - EXISTING VEGETATION - SAGE, GRASSES, GROUND COVER, BOULDERS, WOODY DEBRIS, ELM TREES.

L2 - PASTOR'S PRIDE ENGLISH LAVENDER (LAVANDULA AGUSTIFOLIA), SILKY THREADGRASS (TRASELLA TENUISSIMA), MOONBEAM THICKSEED (COREOPSIS VERTICILLATA), COMPACT PINELAF BEARDTONGUE PENSTEMON (COMPACTUM), GROWING EMBERS (AGASTACHE RUPESTRIS), BLUE YONDER VERINICA (CREEPING SPEEDWELL), BOULDER BLUE FESCUE GRASS (FESTUCA GLAUCA), RUBY MUHLY GRASS (MUHLBERGIA REVERCHONII), FEATHER REED GRASS (CALAMAGROSTIS), WILDEN HAIR GRASS (GRACILLAMUS), COLORADO BLUE SPRUCE (PICEA PUNGENS), PONDEROSA (PINUS PONDEROSA), NATIVE BOULDERS (EXISTING).

L3 - KENTUCKY BLUEGRASS (DROUGHT RESISTANT SR2000), TRANSITIONAL BLUFFALOGRASS, TRANSITIONAL L2 SCHEDULE, DECIDUOUS AUTUMN BLAZE MAPLE (BERNIDJI PIONEER), SUMMIT PURPLE ASH (FRAXINUS PENNSYLVANICA), COLORADO BLUE SPRUCE (PICEA PUNGENS), MULCHED FLOWER BEDS (MISC. SEASONAL COLOR), ANNUALS (PANSY, PETUNIA).

PLANT SIZE SPECIFICATIONS:
DECIDUOUS TREES - 2"-3" CALIPER
EVERGREEN TREES - 6'-10" TALL
PERENNIALS - 1-3 GALLON
ANNUALS - SEASONAL TBD

QUANTITIES:
TREES - SEE L1 PLAN
SHRUBS / PERENNIALS / ANNUALS - QUANTITY FIELD DETERMINED

*ALL LANDSCAPE IMPROVEMENT CONVEYED TO STOA AT INSTALL COMPLETION.

SURVEYOR
Dave Nicholson
Divide Creek Surveyors, Inc.
(970) 355-9306

STRUCTURAL
Colorado Structural, Inc.
Mike Arbaney P.E.
tel: (970)-349-5922
fax: (970)-349-5926
mike@coloradostructural.com

CIVIL
Pinnacle Design Consulting Group, Inc.
Hans Brucker, PE
805 Buck Point Road
Carbondale, Co 81623
970-618-4427 cell
970-963-2170 office

PLANNING
Creative Results Consulting
Ian K. Hause - Principal
creativeresultsconsulting@yahoo.com
970-355-5279

ARCHITECT
hingeARCHITECTS, Ltd.
Kurt Carruth
812 grand avenue, suite 201
glenwood springs, co. 81601
p. 970-309-4432
kurt@hinge-architects.com

CONTRACTOR
TBD

OWNER
CARDIFF 96, LLC
110 Spur Drive
glenwood springs, co. 81601
c: 970-618-3555
e: abh68@gmail.com



Solstice Townhomes
Cardiff Glen Filing #8, Lots 95 & 96 Cardiff Glen PUD
Glenwood Springs, CO. 81615

DRAWING ISSUE
Development Plan Review set
10-17-18

Project designed and drawn to adhere to the 2015 IRC.

Landscape Plan
L1
Scale: 1" = 30'-0"

GENERAL NOTES SEWER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTURAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.
- GLENWOOD WATER AND SANITATION 945-7685
GLENWOOD ELECTRIC DEPARTMENT 945-6672
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 1-800-922-1987
2. A MINIMUM OF TEN (10) FEET SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. SEWER LINE SHALL BE ENCASED ACCORDING TO THE STANDARD DETAIL (SEE SEWER DETAILS SHEET). IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF GLENWOOD RULES AND REGULATIONS.
4. ALL ENDS OF SEWER SERVICE LINES AND FUTURE STUBS SHALL BE MARKED WITH A METAL FENCE POST, PAINTED GREEN FOR SEWER.
5. CONTRACTOR TO EXCAVATE ALL CONNECTION LOCATIONS TO EXISTING SEWER LINE. CONTRACTOR SHALL VERIFY THE INVERT ELEVATION AND LOCATION AND REPORT TO ENGINEER. GRADES WILL BE ADJUSTED IN THE FIELD IF NECESSARY.
6. SEWER PIPE SHALL BE SDR 35 PVC.
7. SEWER SERVICE SIZES SHALL BE 4" UNLESS OTHERWISE NOTED.
8. SEWER SERVICES SHALL BE CONSTRUCTED AT A MINIMUM 2% GRADE FROM SEWER MAIN TO TERMINATION POINT.
9. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERRUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. AREA. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. AY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. INSTALLATION OF SEWER LINES THAT CROSS WATER LINES SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD SPRINGS STANDARDS AND SPECIFICATIONS AND THE COLORADO DEPARTMENT OF HEALTH.
12. CONTRACTOR SHALL PROVIDE A COMPREHENSIVE LIST OF MATERIALS AND MANUFACTURERS TO THE CITY OF GLENWOOD SPRINGS WATER AND SANITATION DEPARTMENT PRIOR TO ORDERING MATERIALS.
13. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
14. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND SEWER INFRASTRUCTURE.
15. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL SEWER LINE INFRASTRUCTURE ON LOTS 95 & 96.

GENERAL NOTES WATER:

1. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN PLOTTED BASED ON A COMBINATION OF UTILITY MAPS AND FIELD SURVEY. IN SOME INSTANCES THESE UTILITIES, AS SHOWN, MAY NOT REPRESENT ACTURAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR FIELD UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION.
- GLENWOOD WATER AND WASTEWATER 384-6344
GLENWOOD ELECTRIC DEPARTMENT 945-5521
UTILITY NOTIFICATION CENTER OF COLORADO (UNC) 811
2. A MINIMUM OF TEN (10) FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES (EDGE TO EDGE). IF THIS IS NOT FEASIBLE, SEPARATION BETWEEN WATER AND SEWER LINES SHALL BE EIGHTEEN (18) INCHES BETWEEN THE CROWN OF THE SEWER LINE AND THE INVERT OF THE WATER LINE. IN ALL CASES, INSTALLATION OF WATER AND SEWER LINES SHALL CONFORM TO COLORADO DEPARTMENT OF HEALTH STANDARDS AND SPECIFICATIONS.
3. ALL WATER MAINS SHALL BE INSTALLED WITH A 5'-6" MINIMUM DEPTH OF COVER. SHOULD CONFLICTS ARISE BETEEN EXISTING UNDERGROUND UTILITIES, THE PROPOSED WATER MAIN DEPTH MAY BE VARIED PROVIDED THE MINIMUM COVER DEPTH IS MAINTAINED.
4. ALL MAIN LINE AND HYDRANT VALVES BOXES LOCATED IN THE ASPHALT SHALL BE ADJUSTED TO 1/4 INCH BELOW FINISHED GRADE ELEVATIONS.
5. ALL SEWER LINE AND WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GLENWOOD RULES AND REGULATIONS.
6. MAXIMUM DEFLECTION PER JOINT IS 10" PER JOINT OR $R = 380'$ FOR 6" & 8" DIP.
7. WHERE A WATERLINE CROSSES BENEATH A STORM DRAINAGE CONDUIT AND ACTUAL EARTH COVER IS REDUCED TO LESS THAN 5', INSULATION WILL BE REQUIRED TO A DISTANCE 10' EITHER SIDE OF THE WATERLINE PER DETAIL.
8. ALL EXISTING UTILITY SERVICE SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT CONSTRUCTION OF THE PROJECT UNLESS PRIOR PERMISSION IS OBTAINED FROM UTILITY SERVICE PROVIDER. EXCEPT AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS, ANY INTERRUPTIONS AND/OR DAMAGE CAUSED TO EXISTING UTILITY FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. CONTRACTOR SHALL LIMIT THE CONSTRUCTION OPERATION TO THE PUBLIC R.O.W. OR CARDIFF GLEN P.U.D. ANY CONSTRUCTION ACTIVITIES OUTSIDE SAID PROPERTY SHALL REQUIRE PRIOR APPROVAL BY ENGINEER. AY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE SAID PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE LOCATION OF UNDERGROUND PIPING MAY BE FIELD MODIFIED TO SOME EXTENT TO SUIT FIELD CONDITIONS.
11. THE CONTRACTOR SHALL AVOID CROSS-CONNECTIONS BETWEEN POTABLE WATER SYSTEM AND OUTSIDE IRRIGATION SYSTEM.
12. ALL MAINLINE VALVES, SERVICE VALVES AND TEES SHALL BE TYPE MJ X MJ. FIRE HYDRANT ASSEMBLIES SHALL INCLUDE AN MJ X SWIVEL TEE AND AN MJ X MJ GATE VALVE.
13. MEGALUG JOINT RESTRAINT WILL BE MANDATORY ON ALL VALVES, BENDS AND FITTINGS.
14. EXCAVATIONS ON PRIVATE PROPERTY SHALL COMPLY WITH THE UNIFORM PLUMBING CODE.
15. NEW POTABLE WATER MAINS REQUIRE STERILIZATION, PRESSURE TESTING, AND A SUCCESSFUL BACTERIOLOGICAL TEST, PRIOR TO BEING PLACED INTO SERVICE.
16. POLYWRAP SHALL BE INSTALLED WITH ALL UNDERGROUND DUCTILE IRON PIPING.
17. TRACER WIRE AND UTILITY WARNING TAPE SHALL BE INSTALLED WITH ALL UNDERGROUND WATER INFRASTRUCTURE.
18. BLANKET UTILITY EASEMENTS ARE BEING PROVIDED FOR ALL WATER LINE INFRASTRUCTURE ON LOTS 95 & 96.



SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

} must meet City Requirements

Please Add note re: Fire ~~sewer~~ service and/or combined fire service will require testing per NFPA 24. Contact City water and/or fire depts for add'l info.

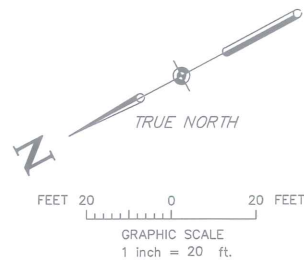
PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.		REVIEWED BY: _____		PINNACLE DESIGN CONSULTING GROUP, INC. CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 pinnacleesign@sopris.net	REVISION	DATE	DESCRIPTION	BY	CHKD	SOLSTICE GLENWOOD SPRINGS, COLORADO	SCALE: N.T.S.	JOB NO: 2018.15	DATE: 10-22-18
CHECKED BY: H.E.B.		DATE: _____ FOR _____											

CARDIFF GLEN SUBDIVISION - LOTS 95 AND 96
GENERAL SEWER AND WATER NOTES

SHEET NO: C2



provide detail of service inside bldg.
(Backflow device, meter, PRV, etc)

? need to verify
this stub out.

Note (typ) - All thrust blocks + pipe installation
must be designed and constructed per
NFPA 24.

may want to consider
adding a valve here
so you can pressure
test against. ~~the~~

provide detail of
sewer tap. must be
cut-in factory mfg 8x8x6

This is the public/private
demarcation point

did not see profile view of this
crossing. Must meet CDPHE Separation
Requirements

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____
CHECKED BY: H.E.B.	DATE: _____ FOR _____

PINNACLE DESIGN CONSULTING GROUP, INC.

CONSULTING ENGINEERS • 0805 BUCK POINT ROAD
CARBONDALE, CO 81623 • (970) 963-2170
pinnacle@cdpr.net

REVISION	DATE	DESCRIPTION	BY	CHKD

SOLSTICE	GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION - LOT 95 SOLSTICE TOWNHOMES SANITARY SEWER & WATER PLAN	

DATE OF PREPARATION: 10-22-18

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
--------------------	--------------------	-------------------

SHEET NO:
C5

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621
MANAGER: ABDI, PIRZADEH
(970) 618-3555



LEGEND	
---	EXISTING WATER LINE AS DESCRIBED
---	PROPOSED WATER LINE AS DESCRIBED
---	PROPOSED SDR-6 PVC SEWER LINE AS DESCRIBED
---	NEW 4" SDR-26 PVC SANITARY SEWER SERVICE
---	NEW SHARED SEWER SERVICE
---	EXISTING GATE VALVE
---	PROPOSED FIRE HYDRANT ASSEMBLY
---	PROPOSED GATE VALVE
---	PROPOSED CLEAN-OUT
---	WATER BEND AND THRUST BLOCK AS DESCRIBED

GENERAL NOTES WATER:

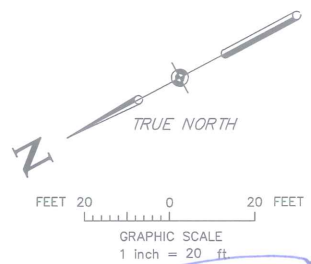
- SEE SHEET C2 FOR GENERAL WATER AND SEWER NOTES AS THEY RELATE TO CONSTRUCTION OF THIS PROJECT.
- A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 95.
- SEE SANITARY SEWER AND WATER DETAILS ON SHEET C19, C20, AND C21.

LEGEND

- S --- S --- EXISTING WATER LINE AS DESCRIBED
- W --- PROPOSED WATER LINE AS DESCRIBED
- PROPOSED SDR-6 PVC SEWER LINE AS DESCRIBED
- NEW 4" SDR-26 PVC SANITARY SEWER SERVICE
- NEW SHARED SEWER SERVICE
- EXISTING GATE VALVE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED CLEAN-OUT
- WATER BEND AND THRUST BLOCK AS DESCRIBED

GENERAL NOTES WATER:

- SEE SHEET C2 FOR GENERAL WATER AND SEWER NOTES AS THEY RELATE TO CONSTRUCTION OF THIS PROJECT.
- A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 96.
- SEE SANITARY SEWER AND WATER DETAILS ON SHEET C19, C20, AND C21.



Need to show irrigation taps

? need to field verify if this exists

private manhole

see note below re: hot tap

contractor will need to provide bypass pumping or some alternate method to bypass flow during installation of this manhole.

Hot tap is acceptable but a cut-in tee may also be considered and would be preferred by City so long as the service interruption is short.

This description is a little unclear. The existing water tee shall be removed at main and replaced w/ small 8" DIP pup + solid sleeve (MJ)

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

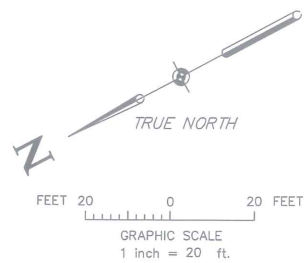
DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY:
CHECKED BY: H.E.B.	DATE: _____ FOR _____

PINNACLE DESIGN CONSULTING GROUP, INC.
CONSULTING ENGINEERS • 0805 BUCK POINT ROAD
CARBONDALE, CO 81623 • (970) 963-2170
pinnacle@psr.net

REVISION	DATE	DESCRIPTION	BY	CHKD

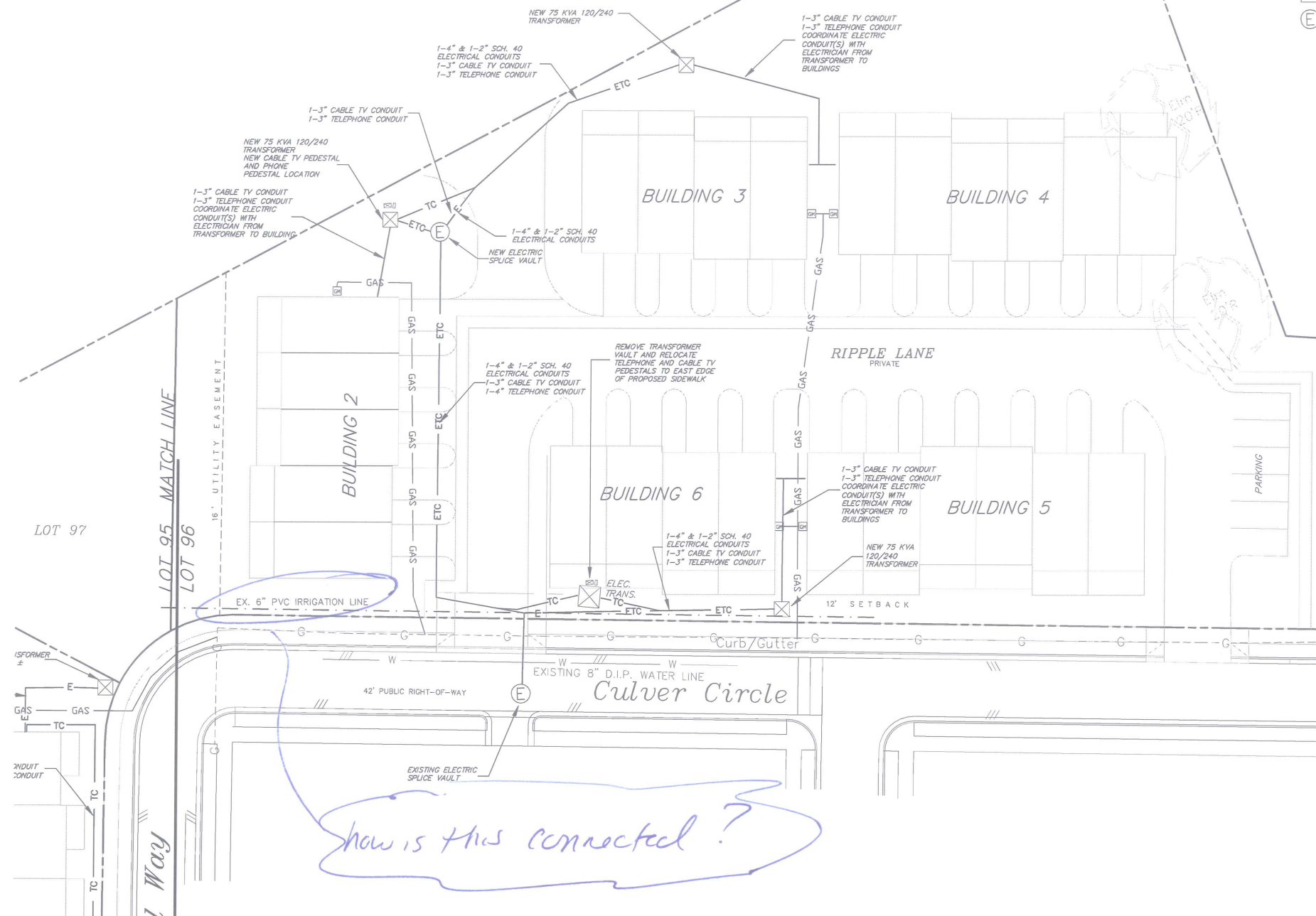
SOLSTICE
GLENWOOD SPRINGS, COLORADO
CARDIFF GLEN SUBDIVISION - LOT 96
SOLSTICE TOWNHOMES
SANITARY SEWER & WATER PLAN

SCALE: 1" = 20'	JOB NO: 2018.15	DATE: 10-22-18
SHEET NO: C11		



LEGEND

- GAS — PROPOSED NATURAL GAS
- ETC — PROPOSED ELECTRIC, TELEPHONE, AND CABLE TV LINE
- ⊠ PROPOSED ELECTRIC TRANSFORMER AND CABLE TV/PHONE PEDESTAL LOCATION
- GM PROPOSED GAS METER LOCATION
- E ELECTRIC VAULT AS DESCRIBED



GENERAL NOTES SHALLOW UTILITIES:

1. A BLANKET EASEMENT BEYOND THE BUILDING FOOTPRINT, WILL BE GRANTED FOR ACCESS AND MAINTENANCE OF ALL UTILITIES ON LOT 95.
2. FINAL GAS LINE SIZING SHALL BE BASED ON BTU LOADING CALCULATIONS FOR THE BUILDINGS.
3. GAS LINE SHALL HAVE A MINIMUM COVER OF 30" AND BE BEDDED IN SAND.
4. SEE ELECTRIC DETAILS ON SHEET C22.



OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

PARCEL NO. 2185-272-09-027
SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM

TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.		Pinnacle Design Consulting Group, Inc. CONSULTING ENGINEERS • 0805 BUCK POINT ROAD CARBONDALE, CO 81623 • (970) 963-2170 apinnacleesign@sopris.net	REVISION		DATE	DESCRIPTION	BY	CHKD	SOLSTICE		DATE OF PREPARATION: 10-22-18		
CHECKED BY: H.E.B.									GLENWOOD SPRINGS, COLORADO		SCALE: 1" = 20'	JOB NO: 2018.15	
									CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES SHALLOW UTILITIES PLAN		DATE: 10-22-18	SHEET NO: C13	

Contractor's Material and Test Certificate for Underground Piping			
PROCEDURE Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.			
Property name		Date	
Property address			
Plans	Accepted by approving authorities (names)		
	Address		
	Installation conforms to accepted plans ☐ Yes ☐ No		
	Equipment used is approved ☐ Yes ☐ No		
Instructions	If no, state deviations		
	Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? ☐ Yes ☐ No		
	If no, explain		
	Have copies of appropriate instructions and care and maintenance charts been left on premises? ☐ Yes ☐ No		
If no, explain			
Location		Supplies buildings	
Underground pipes and joints	Pipe types and class		Type joint
	Pipe conforms to _____ standard ☐ Yes ☐ No		
	Fittings conform to _____ standard ☐ Yes ☐ No		
	If no, explain		
Joints needing anchorage clamped, strapped, or blocked in accordance with _____ standard ☐ Yes ☐ No			
If no, explain			
Test description		Flushing: Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at one of the flow rates as specified in 10.10.2.1.3. Hydrostatic: All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at 200 psi (13.8 bar) or 50 psi (3.5 bar) in excess of the system working pressure, whichever is greater, and shall maintain that pressure ± 5 psi (0.35 bar) for 2 hours. Hydrostatic Testing Allowance: Where additional water is added to the system to maintain the test pressures required by 10.10.2.2.1, the amount of water shall be measured and shall not exceed the limits of the following equation (for metric equation, see 10.10.2.2.6): $L = \frac{SD\sqrt{P}}{148,000}$ L = testing allowance (makeup water), in gallons per hour S = length of pipe tested, in feet D = nominal diameter of the pipe, in inches P = average test pressure during the hydrostatic test, in pounds per square inch (gauge)	
Flushing tests	New underground piping flushed according to _____ standard by (company) ☐ Yes ☐ No		
	If no, explain		
	How flushing flow was obtained		Through what type opening
	☐ Public water ☐ Tank or reservoir ☐ Fire pump		☐ Hydrant butt ☐ Open pipe
Lead-ins flushed according to _____ standard by (company) ☐ Yes ☐ No			
If no, explain			
How flushing flow was obtained		Through what type opening	
☐ Public water ☐ Tank or reservoir ☐ Fire pump		☐ Y connection to flange ☐ Open pipe and spigot	

FIGURE 10.10.1 Sample of Contractor's Material and Test Certificate for Underground Piping.

Hydrostatic test	All new underground piping hydrostatically tested at _____ psi for _____ hours		Joints covered ☐ Yes ☐ No	
Leakage test	Total amount of leakage measured _____ gallons _____ hours			
	Allowable leakage _____ gallons _____ hours			
Forward flow test of backflow preventer	Forward flow test performed in accordance with 10.10.2.5.2: ☐ Yes ☐ No			
Hydrants	Number installed	Type and make	All operate satisfactorily ☐ Yes ☐ No	
Control valves	Water control valves left wide open If no, state reason		☐ Yes ☐ No	
	Hose threads of fire department connections and hydrants interchangeable with those of fire department answering alarm		☐ Yes ☐ No	
Remarks	Date left in service			
Signatures	Name of installing contractor			
	Tests witnessed by			
	For property owner (signed)	Title	Date	
	For installing contractor (signed)	Title	Date	
Additional explanation and notes				
© 2012 National Fire Protection Association NFPA 24 (p. 2 of 2)				

FIGURE 10.10.1 Continued

Water/Wastewater (W/WW) Department Comments

Date: 9/27/2018
Planning Item: 15-18, Solstice Townhomes
Applicant: Cardiff 96 LLC/Abdi Pirzadeh
Owner: Cardiff 96 LLC/Abdi Pirzadeh
Location: 1304 Grand Avenue
Zone: R-3 PUD Multi-family Residential
Parcel: 2185-272-09-027

The following are W/WW Department comments based on a review of the utility plans dated 8/24/2018 that were included in the application package. A department planning meeting has not been held for this project.

Project Understanding

- This application is for construction of townhomes on Lots 95 and 96 in the Cardiff Glen PUD. In addition, the first phase of the project includes construction of a new park (Spirit Mountain Park) and improvements to an existing park (Grand River Park).

W/WW Department Comments

- The plan set did not include water and sewer utility plans for Lot 95. Please provide a plan to the City for review and comment.
- The plan set did not include plans for connection to the City's dedicated irrigation system. This is a requirement of the PUD. Please provide a plan to the City for review and comment.
- The plan set did not include plans for the noted park construction and improvements (Phase 1). The W/WW department needs to review and approve water and sewer service plans for the parks. Please provide plans to the City for review and comment.
- The existing water infrastructure installed within the south side of the City is not well-positioned to support additional water demands. Existing demands exceed the City's production capabilities during the peak irrigation season. No- or low-water use landscaping shall be used for this project. At a minimum, outdoor irrigation systems shall be installed in accordance with the Cardiff Glen PUD application documents that states "*...all landscape areas will receive permanent underground irrigations systems. Additionally and most importantly, all plant material will be native and to the extent possible, drought tolerant*"(page 34 of Cardiff Glen PUD Zoning Application).

- It is unclear whether water service will be requested for fire sprinkler system(s) within the development. Please consult with the City Fire Department for requirements. If fire sprinkler service is required, please submit a revised utility plan showing the fire system taps. Note that all water services used for fire protection must be designed and tested in accordance with NFPA 24. Be aware that the installation and test requirements of NFPA 24 are more generally more stringent than the AWWA standards followed for dedicated potable waterlines.
- Tracer wire and utility warning tape shall be installed with all underground water and sewer infrastructure.
- All public water and sewer infrastructure must meet the requirements of the City's engineering standards. The current version can be found at the following link: <http://cogs.us/EngineeringStandards>.
- Specific comments regarding water /sewer utilities for Lot 96 are listed below:
 1. The water mains installed within the development will be private. The public/private demarcation point will be the new 8" isolation valves located at the mainline tap location(s). The demarcation points for water and sewer services need to be shown on the plans and referenced in the development agreement.
 2. The sewer mains installed within the development will be private. The public/private demarcation point will be: 1) the new sewer manhole located in Culver Circle) and 2) the service tap in the sewer main that runs on the north side of the lot. The demarcation points for water and sewer services need to be shown on the plans and referenced in the development agreement.
 3. The City will accept ownership and O&M responsibilities for the new fire hydrant(s) installed as part of this project. However, the hydrants must meet City specifications. The public/private demarcation point for fire hydrants is the hydrant lead valve. The owner shall provide the City with utility easements for the hydrants in accordance with Section 3.4 of the City's engineering standards.
 4. The City will accept ownership and O&M responsibilities for the new sewer manhole that will be installed in Culver Circle. However, the new manhole must meet City specifications. The base shall be pre-cast. A poured-in-place base will not be accepted.
 5. The proposed water main shown on the plans is 6" diameter. The City's minimum water main size is 8" diameter. Although the new main will be private, it shall be upsized to 8" since it will supply a City-owned fire hydrant.

6. Water/sewer main alignments and crossings must meet the separation requirements defined in the City's rules and regulations and the CDPHE Design Criteria for water and sewer systems. When vertical and/or horizontal separation requirements are not met, encasement in a pipe sleeve is the preferred encasement approach (vs. concrete encasement).
7. It does not appear that the existing water and sewer stub-outs for this property will be utilized. If the existing service stub outs are not used, they must each be abandoned at the main. Service abandonment requirements are defined in the City's engineering standards.
8. The patio area for Building 3 is within the utility easement (as shown on sheet C6) and should be re-redesigned/relocated.

Water Meter Installation and Cross-connection Control Requirements

- As a standard requirement for all permit/variance applications, this project requires that a connection/backflow prevention hazard survey be completed (by the City) before a certificate of occupancy will be issued. A City-approved cross-connection/ backflow device must be installed on water service lines if a hazard exists. At the customer's request, W/WW Department staff will perform an initial Cross Connection Hazard Survey and provided preliminary recommendations during the planning phases of the project. Upon completion of the project, a follow-up inspection of the property is required (per State law) to ensure that acceptable backflow devices have been properly installed and tested. We recommend that you contact the W/WW department to discuss specific requirements as soon as possible to avoid unforeseen installation issues during the construction phase.

Please note that backflow prevention devices cannot be installed below grade per International Plumbing Code (IPC). In addition, certain backflow prevention devices require drainage requirements. We encourage the customer to consider these requirements and address them during the design phase of the project.

- As a standard requirement for all permit/variance applications, a water meter inspection must be performed by City staff before a certificate of occupancy will be issued. We recommend that you contact the W/WW department to discuss specific requirements as soon as possible to avoid an unforeseen installation issues.

Please note that water meters must be installed in a location that can be accessed by the City for inspection and future maintenance. Please refer to the attached schematic for meter installation instructions, including additional requirements for isolation valves, pressure reducing valves, and cross-connection devices. Note that if the water system

pressure exceeds 80 psi, a pressure reducing valve must be installed downstream of the water meter.

W/WW Department Contact Information:

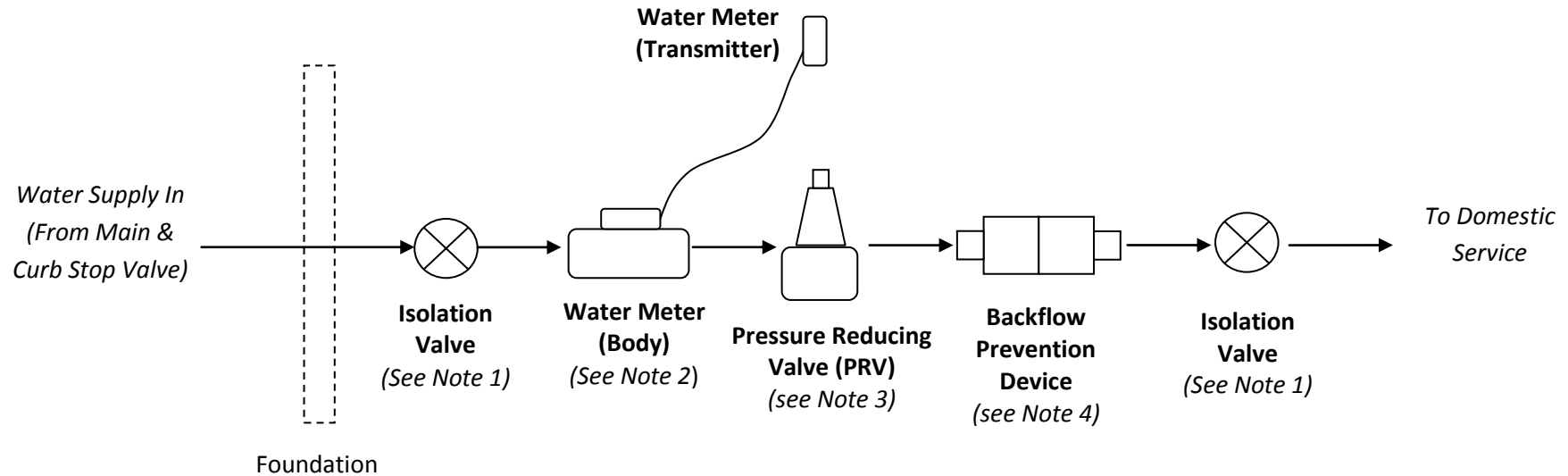
- Horacio Diaz – 379-1974 (Sewer Services & Taps)
- Mike Hoffman – 989-3902 (Water Services & Taps, Cross Connections, Water Meter Inspections)
- Brad Zachman – 384-6388 (General Information)
- Utility Billing – 384-6400 (Account setup; Water Meter Purchase)
- Community Development Department – 384-6411 (Improvements Fees)

Attachments:

- Water Meter Installation Schematic

Water Meter Installation Schematic

Glenwood Springs Water Department



Notes:

1. It is strongly recommended that isolation valves be installed at the locations shown. These valves allow for the water supply to be shut off during repairs or for replacement of the water meter equipment.
2. To assure accurate measurements, water meters must be installed per manufacturer's specific instructions. Contact the City's Water Department for a copy of these instructions or if you have any questions regarding the installation requirements.
3. A pressure reducing valve (PRV) regulates incoming pressure from the main. A PRV is recommended for all installations, but is required for all services that are fed off of water mains with static water pressure of 80 psi or greater. Contact the water department (**384-6344 or 989-3902**) for more information regarding the static water main pressure that serves your property.
4. A backflow prevention device protects the City's water supply from contamination or pollution due to backflow conditions. Please contact the City's cross connection technicians (**384-6345**) to discuss specific backflow prevention requirements and installation procedures.
5. Requests for water meters can be initiated by contacting the City's Utility Billing Office (**384-6400**). Once payment is made, water meters can be picked up from the Water Department at 401 7th St. (**384-6344 or 989-3902**).
6. Contact the Water Department to schedule a final inspection of the meter (**384-6344 or 989-3902**) and the backflow device (**384-6345**).

Updated June 2016

November 18, 2018

City of Glenwood Springs
Planning and Zoning Commission
101 W. 8th Street
Glenwood Springs, CO 81601

Re: Solstice Park Comments For Public Hearing 11/27/18

Dear Members,

I am Patrick C. Collins. My wife and I reside at 4259 Clark Street in the existing Cardiff Glenn PUD. I ask that these comments are entered in for the Public Hearing on the proposed Solstice Park project planning for Lots 95 and 96 in the Cardiff Glenn PUD.

I would ask the Planning Commission to continue the Public Hearing until the developer has addressed the four issues outlined below and re-noticed the hearing with amendments to surveys and documents for staff review.

- 1) **Grossly Inadequate Parking** – The applicant proposes 29 townhomes. 25 of these are three story four bedroom units. Only two parking spaces are provided for each of these. One inside the one car garage and one spot in front of the garage door. The fourth bedroom is a stand alone/rental unit at garage level and will most certainly generate an additional third, or perhaps fourth vehicle. There are simply no places to park these additional vehicles over two per unit. On a nightly basis Cardiff Glenn is currently generating 20-30 vehicles it cannot accommodate. They are overflowing onto our planned new park areas, and into the Sopris Elementary and LDS Church parking areas. Please do not make this problem worse for us and our neighbors. The current two story Cardiff Townhomes development is made up of 2 bedrooms with 2 parking spaces for each. This is working for them. It demonstrates the appropriate density now needed for parcels 95 and 96 by both parking needed and existing two story heights in the Cardiff Glenn neighborhood.
- 2) **Inadequate Vehicle Access** – As planned currently there is only one direct route into and out of the site. The access is through existing low density family homes and will necessitate that each trip make 3 to 4 90 degree turns (Morgan, Winters, and Culver Streets) just to get inside the dedicated Solstice site. Currently the plans call for a temporary construction access off of County Road 160 on the south side of Parcel 96. The relief sought is to make this second access permanent. This will guarantee plowed and clear emergency access to Solstice and provide relief to existing residents from the additional higher density sought by Solstice.
- 3) **No Snow Storage or Plow Accomodation** – The current plan shows no areas within the parcel that can accept and store snow plowing and accumulation. The only place to move snow will be into the few guest parking spaces or into the emergency easement. If this easement is kept open permanently it will secure open access at all times and provide another relief area for snow removal off site.
- 4) **No Reconstruction of Tandem Parking Areas on Clark and Morgan Streets Demonstrated** – The developer has represented that the reconstruction of tandem parking areas on Clark and

Morgan Streets will take place to reduce these down to single spaces, and then to add additional parking spots along these streets. The current plan shows the new spots, but does not contain plans to remediate the problematic tandem spots and the long term parking issues those areas are causing. The developer will need to assure these off site improvements as part of the park plans already in process.

We thank you for your time and consideration of the items above, and again we ask that the public hearing be continued until the developer can address these items.

Sincerely,

Patrick C. Collins

PLEASE ATTEND A CRITICALLY
IMPORTANT P&Z MEETING REGARDING
THE DEVELOPEMNT OF LOTS 95 & 96:

Dear Cardiff Glen Community Members,

This coming Tuesday, November 27 at 6:00 at City Hall, the Planning and Zoning Commission will be presented with the application to develop Lots 95 & 96 therefore completing the Cardiff Glen PUD.

You can find the entire application on the City of GWS' website and view print outs of the design plans at the display near the mailboxes. As the Cardiff Glen I Board of Directors, we have raised concerns including the orientation of the entire project on Lot 95. The PUD states that all dwellings must have a street facing front door with covered porches and a yard area. Those of you on Culver Circle will be looking at the back of a two or three story building. To add to our ongoing parking problem, they have provided no off street parking outside of the 12 spots near the new Spirit Mountain Park to be built on Lot 95. The townhomes have one designated parking spot in the driveway and one in the garage. We all know how that is going to go! They are proposing architectural features that are not compatible with the PUD nor the overall design of both Cardiff I and II including wire on their second story decks. There is very little creativity and variation, as outlined in the PUD, in the overall look and feel of this application.

We all knew that these two lots were eventually going to be completed, but it is our hope that the developers will go back to the drawing board, fulfill the requirements set forth in the PUD, and give us a completed neighborhood that looks and feels compatible with what has already been built.

We need a powerful community presence AT THIS MEETING. Please come protect your investment and the character of our neighborhood by letting your voice be heard!

Sincerely,

The Cardiff Glen I and Master Board of Directors

Robert C. Gavrell
Office (970) 945-6546
rgavrell@balcombgreen.com

December 21, 2018

Trent Hyatt
Senior Planner
City of Glenwood Springs

Via Email only: trent.hyatt@cogs.us

Re: Application of Cardiff 96, LLC to Amend the Cardiff Glen PUD, etc. relating to "Solstice"

PUBLIC COMMENT FROM THE CARDIFF GLEN MASTER ASSOCIATION

Dear Trent,

My law firm represents the Cardiff Glen Master Association, a homeowners association which manages approximately half of the existing units of the Cardiff Glen PUD, and which owns and manages many of the PUD's amenities, including Grand River Park (the "Association"). Please accept this public comment in opposition to the above-described PUD amendment / development application of Cardiff 96, LLC (the "Developer") relating to the development of lots 95 and 96 of the Cardiff Glen PUD (the "Application").

The Application's design for Lots 95 and 96 does not follow the Original PUD.

The original PUD for Cardiff Glen was enacted in 1999 (the "Original PUD"). The active ordinance (ord. 03-99), adopted and incorporated the entire narrative application submitted by the developer as the legally effective terms of the Original PUD. Though unusual, these narrative descriptions are binding, being incorporated and enacted into law through the ordinance. See C.R.S. § 24-67-106 (a provision of a development plan "shall run in favor of the . . . municipality and shall be enforceable at law or in equity by the municipality).).

The Original PUD, through its active ordinance, requires certain design elements and features to be incorporated into all construction in the development, as follows:

"houses and multi-family dwellings will face tree-lined streets with sidewalks" ORD. 03-99, Ex. B, pp. 10 & 11 (emphasis added).

"All of the houses will have front porches and lawns creating an informal, accessible, neighborly atmosphere conducive to impromptu coffee breaks, a simple exchange about the weather or an upcoming school activity." ORD. 03-99, Ex. B, pp. 10 & 11 (emphasis added).

"22-foot wide streets, alleys and housing that features "street friendly" yards, porches and landscaping." ORD. 03-99, Ex. B, pp. 7 & 8 (emphasis added).

"Streets are designed to balance the needs of all users and streetscape design is critical to this balance. The streetscape consists of at least four essential elements, including the paved section of the street, a planting strip for street trees, sidewalk and adjacent buildings. ... Pedestrian activity is encouraged by providing uninterrupted sidewalks and appealing streetscape. Neighborliness is encouraged by placing houses with front porches and modest front yards close to sidewalks." ORD. 03-99, Ex. B, pp. 21 & 22 (emphasis added).

"The streetscape is one of the more important elements of the proposed development." ORD. 03-99, Ex. B, p. 34.

"Permitted Mass and Scale

- Primary building mass or approximately 800 s.f. minimum to approximately 1200-1700 s.f. maximum.
- Larger projects divided into building masses with transitions.
- Building entrances similar in scale to those seen in traditional neighborhoods."

ORD. 03-99, Ex. B, pp. 52-53.

The Developer's Application seeks to vary from these existing PUD requirements without reason or cause. All the existing residents of Cardiff Glen purchased their homes and residences in reliance that the PUD would continue to develop along these design guidelines, which are all mandated by the Original PUD. All homes and residences in the entire PUD currently face the streetscape, which presents an unbroken connective tissue for the entire neighborhood. All homes have street-facing entrances, with covered porches, and all homes that have garages are in the rear of the homes, facing the alleys, except for those expressly exempted in the PUD.

In this Application, the Developer has submitted a proposal that breaks up this streetscape vision. For the last two lots of the PUD, this Developer inexplicably has designed residences that face away from the streetscape, rather than toward it, placing their rear facades facing their neighbors – the complete opposite of "building entrances similar in scale to those seen in traditional neighborhoods." For Lot 96, the Application requests approval for an exclusive, encircled separate subdivision where all the units face a common strip of asphalt, rather than the surrounding neighborhood. In place of traditional front porches and modest front yards close to the sidewalks, this proposal eliminates all front porches and all front yards, destroying the "streetscape" that the existing PUD declared was one of the most important elements of the PUD. All the proposed homes place their front entrances next to and facing the same direction as the garage doors, unlike most all other residences in the PUD. The large buildings called for on Lot 96 have no effective transitions, in contravention to the Original PUD's requirement that "larger projects divided into building masses with transitions."

The Association requests that the current Application not be approved until and unless the Developer redesigns the buildings proposed for Lots 95 and 96 to face the existing streetscape, so as to positively interact with the existing development, in keeping with the twenty years' old vision for Cardiff Glen that all previous development has been required to follow.

The Application's proposals do not follow the Amended PUD.

The PUD was amended once, in 2015 (Ord. 20-15) (the "PUD Amendment" or "the Ordinance"). The PUD Amendment did not affect or modify any of the design elements and features expressly required by the Original PUD; instead, the PUD Amendment narrowly removed a single PUD requirement for the construction of a community center (called the "Roundhouse") which the Original PUD had required to be constructed in Grand River Park by whomever performed the final development on Lots 95 and 96.

This Developer worked in close collaboration with the Association to pass the PUD Amendment, and its terms were the subject of close negotiation. The PUD Amendment provided simply as follows:

The active open space and common open space areas and improvements on Lots 95, 96, and in Grand River Park shall be as presented in Exhibits A and B, attached hereto and incorporated herein.

ORD. 20-15. § 2 ¶ 1 (emphasis added). Exhibits A & B are highly specific as to not only the common areas of Lots 95 and 96, but also as to the improvements depicted and described on those two exhibits. The use of the words "shall be as presented" indicate that their depictions and descriptions are binding, mandatory aspects of the PUD, as amended.

Exhibit A to ord. 20-15 requires that Lot 96 will be developed to have 21,210 sq. ft. of "Common Open Space" and 7,000 sq. ft. of "Active Open Space." The Application submitted by the developer eliminates all active open space on Lot 96 completely, and seems to provide for much less common open space than 21,210 sq. ft.

Exhibit B shows the agreed-upon open space areas and improvements in vivid, full-color detail. Exhibit B confirms that the negotiated PUD Amendment requires a "Play Area" be built in the southern corner, described as an "Active Open Space within Common Open Space." Exhibit B also indicates Lot 96 will be developed to have greater than 2,200 sq. ft of concrete sidewalks, as part of a common open space that surrounds the perimeter of the Lot. Exhibit B also confirms the Developer promised six (6) on-street parking spaces along Culver Circle.

The Developer's Application, by contrast, contains none of these things. The "Play Area" required by the PUD Amendment is eliminated, replaced by retention pond. There is no surrounding common open space, 2,200 sq. ft of concrete sidewalks have vanished, and all the street parking along Culver Circle has disappeared.

As for the improvements, themselves, the Application not only proposes buildings that reject the design requirements imposed by the Original PUD, its proposals also are contradictory to the promises made to the Association and the City when the PUD Amendment was negotiated and approved in 2015. On Exhibit B, all buildings depicted show street-facing entryways and porches, with garages in the rear, matching the design requirements of the Original PUD, and in keeping with all the other development that has occurred at Cardiff Glen over the last two decades.

The buildings shown on the Application flatly contradict their depiction in Exhibit B, eliminating front facing porches, and placing all the front doors and garages adjacent to one another, facing a common asphalt strip. This not only defies the Original PUD, it is a complete reversal of what was depicted in, agreed to, and required by the 2015 PUD Amendment.

The PUD Amendment requires that the “improvements” on “Lots 95 [&] 96” “shall be as presented in exhibits A & B.” The Application ignores that requirement. Instead, the Developer proposes a development which will destroy the common “streetscape” vision described by the Original PUD and visually memorialized in the PUD Amendment.

The Association opposes the Application until it is modified (1) to restore the “Play Area” and six (6) on-street parking spaces shown on ord. 20-15 Exhibit B, and (2) so that all the proposed buildings facing Crawford Way and Culver Circle are redesigned to have front porches facing those streets, consistent with the requirements of the original PUD and as the Developer drew them on Exhibit B to ord. 20-15.

The Application, if approved, would violate the contractual agreement between the Developer and the Association, leading to litigation between the Association and the Developer.

The Association owns a variety of common open spaces in the PUD, including the centrally located Grand River Park (the “Park”). The Park is where the Roundhouse was supposed to have been built. The PUD Amendment removed the Roundhouse requirement, in exchange for the Developer’s promise to make other improvements to the Park, and to build “[t]he active open space and common open space areas and improvements on Lots 95, 96 ... as presented in Exhibits A and B.” See ORD. 20-15 § 2 ¶ 1.

The Association is but one of three homeowners associations in the Cardiff Glen PUD. These three associations share the costs and responsibility for maintaining the Park and other shared open spaces through an agreement called the “Joint Use and Cost Sharing Agreement (“JUCS Agreement”). The JUCS Agreement was originally entered into in 2004.

The PUD Amendment required the Developer to join into the JUCS Agreement as a condition of its approval. See ORD. 20-15 § 2 ¶ 4. The Developer did, in fact, enter into the agreement through a “First Amendment” to the JUCS Agreement on February 1, 2016 (the “First Amendment”). A copy of the First Amendment is attached.

The agreements reached by the Association and Developer in the First Amendment are entirely based upon the Developer's representations depicted in the attachments to Ord. 20-15. The First Amendment begins by reciting that:

... Ordinance No. 20, Series of 2015 (Ordinance No. 20") ... amended the zoning of the PUD to modify certain obligations relating to the development of the PUD, including Lots 95 and 96, and said Ordinance included conditions relating to agreements among the Parties hereto relating to construction and maintenance of certain open space improvements, which conditions this Agreement is intended to fulfill.

FIRST AMENDMENT, Recitals, p. 1 (emphasis added). This Recital was incorporated into the body of the agreement, as an "affirmative and material representation and acknowledgment." FIRST AMENDMENT ¶ 1.

All the Association's obligations under the First Amendment are contingent upon the Developer constructing improvements "consistent with the requirements described in the Ordinance No. 20." FIRST AMENDMENT ¶ 2. Because the PUD Amendment did not modify the design requirements of the Original PUD in any respect, the Association takes the position that those design elements were incorporated into and a material part of the PUD Amendment, making any design proposal in contravention to those elements a violation of the Developer's promises made in the First Amendment.

The Application submitted by the Developer to the City is not consistent with these requirements, all as outlined above. Because of that, if the City should approve the Application as it is presented, the Association may take the position that it is released from its obligations under the First Amendment. The Association may refuse to authorize the Developer to build any improvements on Association property, and it may refuse to take ownership of or responsibility for any improvements constructed by the Developer on Lots 95 and 96 upon their completion.

If this should happen, the Developer would be unable to complete the improvements required by the PUD Amendment. The Developer would then be unable to secure certificates of occupancy to any units he constructs. *See* ORD. 20-15 § 2 ¶ 9 ("No certificates of Occupancy shall be issued on Lots 95 and 96 until... all alternate open space improvements are constructed."). This will likely lead to litigation between the Association and the Developer.

For this reason, also, the Association requests that the City not approve the Application, but require the Developer to stand by his promises made in, memorialized by the required by the language of Ordinance 20-15, and its incorporated Exhibits A & B.

Sincerely,



Robert C. Gavrell

cc: client
David McConaughy (via email only)
Karl Hanlon (via email only)

ORDINANCE NO. 3

Series of 1999

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, REZONING A 21.75 ACRE PARCEL ON COUNTY ROAD 116 IN THE CITY OF GLENWOOD SPRINGS FROM R/4 RESIDENTIAL TRANSITIONAL TO PLANNED UNIT DEVELOPMENT(PUD), KNOWN AS CARDIFF GLEN.

WHEREAS, the City's Planning and Zoning Commission, at its December 15, 1998 meeting, recommended approval of a rezoning of a 21.75 acre parcel on County Road 116 in the City of Glenwood Springs; and

WHEREAS, City Council considered the recommendation at its regular meeting on January 7, 1999, and affirmed the findings of the Planning and Zoning Commission and granted the rezoning; and

WHEREAS, City Council found that the proposed rezoning is consistent with City goals, policies, and plans; and

WHEREAS, Section 070.040.060.B.4 of the Glenwood Springs Municipal Code requires that an ordinance be enacted to effectuate the rezoning, as granted.

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. The 21.75 acre parcel on County Road 119, also known as Cardiff Glen and described in the metes and bounds description attached hereto as Exhibit "A", is hereby rezoned from R/4 Residential Transitional to Planned Unit Development (PUD), in accordance with the plan attached hereto for all purposes as Exhibit "B".

Section 2. The rezoning is subject to the following contingencies, which have been agreed to by the developer of the parcel:

1. A development plan shall be submitted to the City within six (6) months of the effective date of this ordinance.
2. Any development shall comply with the Federal Airspace Regulations Part 77 and shall execute and record an aviation easement, approved by the City, prior to the recordation of any subdivision plans or occupancy of any residences on the parcel.
3. A minimum of 20% deed restricted affordable housing shall be provided subject to the City's sponsoring applicable grant applications, subsidies or impact fee waivers for the project. All such subsidies will be applied by the developer, dollar for dollar, to the

reduction of the sale or rental price of the unit; and all units receiving a minimum qualifying subsidy of at least 10% of the projected base price of a "studio 3", as defined in Exhibit "B", shall have an occupancy and resale deed restriction filed on the property. If possible, persons employed within the City limits or with the school district shall be given priority in acquiring housing within the development.

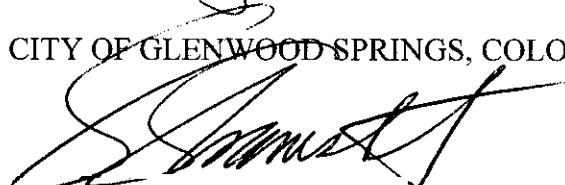
4. The developer of the parcel shall provide \$6,250.00 for the coke oven preservation grant prior to the issuance of a development permit.

5. The developer shall provide funds, or other adequate security approved by the City, for the construction of a ballfield at Summerville Park, as shown in Exhibit "B", prior to the approval of a subdivision plat. The cost of the field shall be mutually agreed upon by the City and the developer.

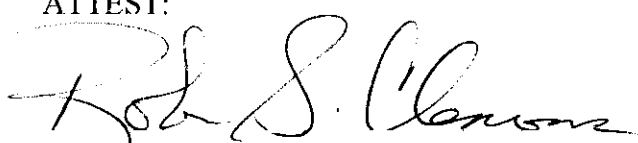
Section 3. This ordinance shall be automatically repealed on August 15, 1999, if Paragraph 1 of Section 2 above has not been complied with as set out therein.

INTRODUCED, READ AND PASSED ON FIRST READING, ORDERED
PUBLISHED IN FULL THIS 21st DAY OF JANUARY, 1999.

CITY OF GLENWOOD SPRINGS, COLORADO

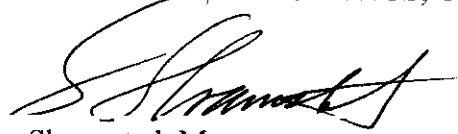

Sam Skramstad, Mayor

ATTEST:

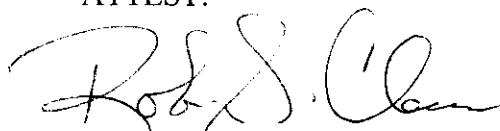

Robin S. Clemons, City Clerk

INTRODUCED, READ ON SECOND READING, APPROVED, AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE
OF SECOND PUBLICATION THIS 3RD DAY OF FEBRUARY, 1999.

CITY OF GLENWOOD SPRINGS, COLORADO


Sam Skramstad, Mayor

ATTEST:

A handwritten signature in black ink, appearing to read "Robin S. Clemons". The signature is fluid and cursive, with the first name "Robin" and last name "Clemons" clearly distinguishable.

Robin S. Clemons, City Clerk

(870) 945-1004
FAX (870) 945-5948



116 West 6th, Suite 200
Glenwood Springs, CO 81601

**R/4 ZONE
LEGAL DESCRIPTION**

A parcel of land located in the south one half of Section 22 and the north one half of Section 27, Township 6 South, Range 89 West of the Sixth Principal Meridian, Garfield County, Colorado. Said parcel is more particularly described as follows, to wit:

Beginning at the northwest corner of the Glenwood Springs Municipal Airport from which a witness corner set for the north one quarter corner of Section 27, said township and range bears S 21°48'12" W 134.23 feet distant; thence along the boundary of said airport parcel South 26 degrees 56 minutes 00 seconds East (S 26°56'00" E) 588.93 feet to a point on the centerline of a 45.00 foot right of way as shown on the Hughes Addition to Cardiff; thence South 01 degrees 22 minutes 11 seconds West (S 01°22'11" W), a distance of 226.36 feet along said centerline; thence North 88 degrees 37 minutes 49 seconds West (N 88°37'49" W), a distance of 88.50 feet to the northwest corner of Lot 12, Block 4, Hughes Addition to the Town site of Cardiff; thence South 01 degree 22 minutes 11 seconds West (S 01°22'11" W) 120.00 feet along the westerly line of Lot 12 and its extension to the center of Third Street as shown on said Hughes Addition; thence South 88 degrees 37 minutes 49 seconds East (S 88°37'49" E) 66.00 feet along said centerline to the easterly line of the northeast quarter of the northwest quarter of Section 27; thence South 01 degrees 22 minutes 11 seconds West (S 01°22'11" W) 445.00 feet along said westerly line; thence North 80 degrees 54 minutes 48 seconds West (N 80°54'48" W) 184.84 feet; thence South 32 degrees 46 minutes 00 seconds West (S 32°46'00" W) 127.27 feet to a fence line marking the northerly right of way of a County road; thence North 69 degrees 17 minutes 37 seconds West (N 69°17'37" W) 6.97 feet along said fence line; thence North 71 degrees 51 minutes 52 seconds West (N 71°51'52" W) 40.39 feet along said fence line to the intersection with the northerly right of way of Midland Avenue; thence along said northerly right of way the following four (4) courses:

- 1) North 59 degrees 54 minutes 30 seconds West (N 59°54'30" W), a distance of 258.59 feet; thence
- 2) South 30 degrees 05 minutes 30 seconds West (S 30°05'30" W), a distance of 50.00 feet; thence
- 3) North 59 degrees 53 minutes 57 seconds West (N 59°53'57" W), a distance of 660.69 feet; thence
- 4) North 67 degrees 23 minutes 29 seconds West (N 67°23'29" W), a distance of 97.55 feet; thence

North 46 degrees 46 minutes 52 seconds East (N 46°46'52" E) 1346.68 feet to the point of beginning; and containing 21.785 acres.

debtiled94084.rev
08/24/98

EXHIBIT

A

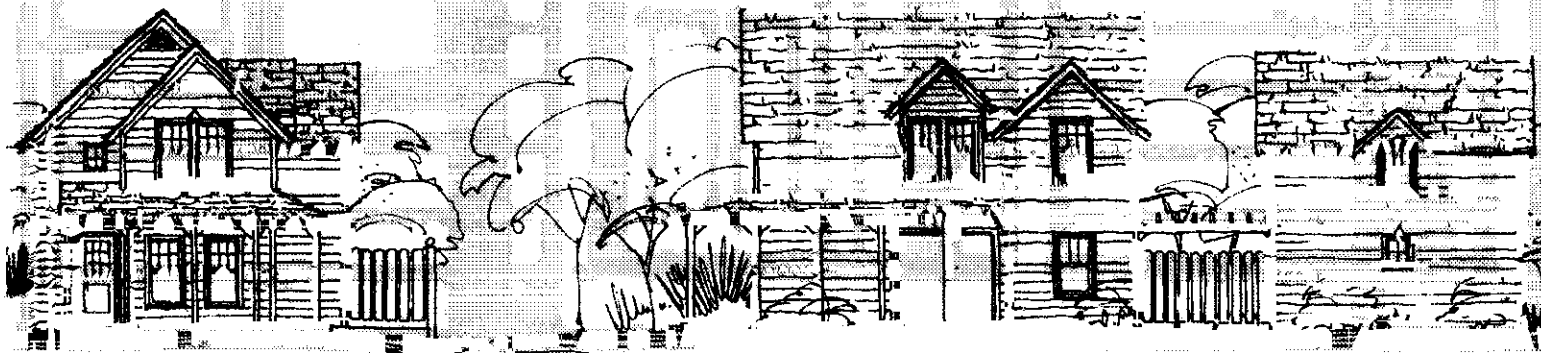
EXH B

Cardiff

To ORDIN. #3
SERIES OF 1999

Glenwood Springs, Colorado

PUD ZONING APPLICATION



Studio 8 Land Company, LLC

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

PUD Zoning Application

Revised December 10, 1998

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CARDIFF GLEN PLANNED UNIT DEVELOPMENT

A. INTRODUCTION

This application submitted by Studio 3 Land Company, LLC (herein after referred to as the Applicant), requests approval of the Cardiff Glen PUD Zone District. All relevant provisions of the City of Glenwood Springs, Title 070, Subdivision, Development and Use of Land with respect to PUD review requirements are included with this application.

The Cardiff Glen PUD is a 21.785 acre residential development created specifically to meet the residential and recreational needs of the Glenwood Springs community - from a variety of housing choices at affordable prices to parks, community center, and a small locally owned commercial center. The site is roughly bordered by Sopris Elementary School, Airport Road (County Road 116) and the Glenwood Springs Airport. The design will reflect both community and public input and honor the idea of a quiet, safe neighborhood. The Cardiff Glen Neighborhood PUD will emphasize a substantial amount of open space, interconnected pedestrian and biking trails, a street system making it possible for children to play ball and bike

without worry. Central to the PUD will be The Midland Commercial Center located adjacent to a wonderful playground/park, Grand River Park, - a place to meet, catch up with the neighbors and visit amenities such as a small grocery store, coffee shop/deli, and day care center - all within walking distance from anyplace in the Cardiff Glen community.

B. EXISTING CONDITIONS

1. Project Location

The 21.785 acre site is roughly triangular in shape and is located southeast of Sopris Elementary School, northeast of Airport Road (County Road 116), and west of the Glenwood Springs Airport.

2. Current Zoning

R/4 Residential Transitional

3. Existing Uses

Open fields recently used for grazing.

4. Site Access

Access to the site is from Airport Road (County Road 116).

5. Utilities

Water and sewer (City of Glenwood Springs), gas(KN Energy), electric(City of Glenwood Springs), telephone(US West) and cable(TCI Cable) utilities are located at or near the northwest corner of the property in the County Road 116 right of way.

6. Topography

The property is relatively flat with a slope of about 2% to the northwest.

7. Geology

A Soils and Foundation Investigation report dated February 8, 1995 was prepared for the Roaring Fork School District RE-1 on the adjoining Sopris Elementary School property. A copy of the report prepared by CTL/Thompson is attached for reference.

8. Vegetation

Native grasses and weeds.

C. PUD DESCRIPTION AND ISSUE RESOLUTIONS

1. Comprehensive Plan Context

The Cardiff Glen Neighborhood PUD is designed along the principals of the *traditional neighborhood* of the past, including historic downtown Glenwood Springs and the old Cardiff subdivision of the late 1800's, with a balanced mix of residences, shops, workplaces and recreation within the neighborhood. The integration of multiple land uses allows residents to meet more of their daily needs through shorter trips.

a) The City should maintain a compact urban form.

Cardiff Glen is located on a 21.785 acre parcel within the Glenwood Springs city limits on land that is zoned R/4 Residential Transitional. The property is roughly bounded by County Road 116, the RE-1 school property, the Glenwood Springs Airport and County residential properties. Glenwood Park subdivision is the closest residential development just westerly of the school. **Cardiff Glen**, is therefore, by location, an extension of the city residential area in South Glenwood Springs and will conform to this policy.

b) The City should be a place where people are able to live, work, play and raise a family.

Our concept for **Cardiff Glen** is just that: a mixed-use residential development featuring both rental and sale, single and multi-family dwellings. The Midland Commercial Center will offer services from a “corner grocery” and coffee shop to a day nursery facility and doctor or dentist. The center is within easy walking or biking distance from wherever you live in the **Cardiff Glen** neighborhood as well as Glenwood Park. Just next door to the commercial area is The Roundhouse, a community center where daytime, after-school and evening activities can engage young children, teenagers and grown ups. The Roundhouse overlooks Grand River Park. As it adjoins the commercial center with the natural flow of people, Grand River Park becomes a perfect spot for spontaneous get-togethers whether it’s touch football games or just sharing a sandwich with a friend under a tree. There is also land dedicated to the City for recreational use, like the ball field at Summerville Park, where kids can play and parents-cum-coaches can cheer them on.

The development is designed as a neighborhood that retains the character of old Glenwood Springs with 22-foot wide streets, alleys and housing that features “street friendly” yards, porches and

landscaping. The intent is to construct the dwellings so they are affordable to the working residents of the City who presently are priced out of the market.

c) The City should protect its scenic vistas, rivers, steep hillsides and ridges.

The site for **Cardiff Glen** is relatively flat with several large tree clusters and is well removed from the river. The structures proposed will be residential in nature and within the city height limits. The entrance to the neighborhood from County Road 116 will be along Grand River Park, the neighborhood park that is an open space seldom found in the City, and will present a tree-lined vista to the north. The new dedicated recreation area, Summerville Park, at the northerly end of the property, will provide a continuation of the city recreation area at the school. It also creates a wide, open space vista from east to west, essentially from Glenwood to Old Cardiff and beyond.

d) The City should provide adequate public recreation facilities within the city.

Cardiff Glen will dedicate Summerville Park to the City.

Summerville Park, at the northern end of the property, is 1.84 acres in area. In Summerville Park, we will provide funds for the construction of a children's ball field and we will construct 10 park-user parking spaces, landscaping and a 3-rail split rail fence along the runway area to restrict pedestrian access to the airport facilities.

Grand River Park is at the southerly entrance to the neighborhood and is 1.51 acres in area. A neighborhood center facility, The Roundhouse, will be constructed on this site and will be owned and maintained by the **Cardiff Glen** Homeowners Association.

We will also dedicate to open space a 30-foot wide trail easement from Summerville Park to The Midland Commercial Center that totals 0.23 acres. We will construct a walking path, a 3-rail split rail fence, landscaping and a stream. This area will be dedicated to and maintained by The Cardiff Glen Homeowners Association.

A 15-foot wide trail easement along County Road 116, 0.37 acres in area, and a 20-foot foot wide easement from County Road 116 to Summerville Park, 0.45 acres, will be dedicated to and maintained by the City. We will provide a 3-rail split rail fence and landscaping

in this area.

It should be noted that we have had discussions with the Mayor, City Manager and Planning Director about creating a jointly owned and operated irrigation system, utilizing the City's water rights from the river, to irrigate the school property and City recreation areas, parts of Glenwood Park and **Cardiff Glen**.

e) The City should maintain a distinct urban edge.

Cardiff Glen will establish this edge by defining the urban neighborhood character in what exists now as a more rural feeling in the South Glenwood city limit. The easterly and southerly property lines are now the Glenwood city limits

f) The City should maintain neighborhoods that are walkable and talkable.

The "neo-traditional" concept for **Cardiff Glen** is based upon the lot-and-block plan found in most older portions of our cities today. The houses and multi-family dwellings will face tree-lined streets with sidewalks wide enough for kids on their bikes, parents (and or kids) carrying groceries, or just strolling. All of the houses will have front

porches and lawns creating an informal, accessible, neighborly atmosphere conducive to impromptu coffee breaks, a simple exchange about the weather or an upcoming school activity. All garages are located on the alleys, with the exception of twelve perimeter lots, which removes driveways and impersonal garage doors from the streetscape. Central to the idea of a neighborhood, as mentioned above, will be walkable access to the Midland Commercial Center, The Roundhouse Neighborhood Center and Grand River Park. Walking paths will trace the southern and western perimeters as well as a 30-foot trail easement from Summerville Park to Grand River Park and will connect the inner neighborhood with the school and City park areas, as well as the extended City bike trail to be located along County Road 116.

g) The City should encourage a balance between jobs and housing for local workers.

According to the Housing for Tomorrow Commission, within the Glenwood Springs Zip Code area today, there are an estimated 10,000 jobs, yet within that code, there are only about 5000 local residents. There are several reasons for this condition: Glenwood has one of the lowest, if not the lowest vacancy rate in the State; there have been no attainable housing developments created within

the City in recent times and few affordable rental units are available.

Cardiff Glen was conceived not only as an attempt to create a new neighborhood within the City, but to address this unhealthy imbalance that exists because people can not afford to live where they work. In addition to dealing with this serious issue, that over time, is the prime cause of the erosion and ultimate extinction of the feeling of belonging to and caring about the community, **Cardiff Glen** proposes additional features that are missing in most of the new housing developments built today:

- a sense of place
- a neighborhood with a sense of style
- attractive, friendly tree-lined streets
- a neighborhood park
- walking paths
- the corner grocery, coffee shop, day nursery, doctor or dentist
- a new city park for a ball field
- neighborhood community center

Cardiff Glen will have 91 single family lots with a variety of 2, 3 and 4 bedroom homes, nice yards, garages and parking primarily on

alleys instead of the street, and up to 30 ADUs. There will be 126 multi-family residences, some for sale, and others for rent. The small neighborhood commercial area will have studio, 1 and 2 bedroom apartments on the upper levels overlooking Grand River Park, the neighborhood park. The houses and apartments will be priced to be very attractive and attainable for people who work in Glenwood.

We feel this is the type of environment where almost anyone would want to live, not to mention the bonus of saving hours a month commuting. This is our goal. So how does the City encourage housing for its own workers? Motivation to do so stems from the simple and clear understanding of the needs of the working residents. The City has to offer incentives to developers to do these kinds of projects. We would suggest that the City has the power to provide significant assistance to a project such as **Cardiff Glen** through waiving of certain impact fees, participation in grant funding requests, and continuing with the much appreciated, accelerated approval process.

For our part, efforts are underway to secure every reasonable subsidy from various state housing grants to allow a neighborhood that encompasses a variety of income levels in a mix of rental and

sale dwellings. In order to maintain “affordability”, we would like to see major employers have first right-of -refusal for single and multi-family units that, by deed-restriction, would maintain protection from high appreciation rates in the valley. Employees of the public school district, the hospital, the city, the college are just a few that could benefit from this concept. It is not a community unless people can afford to live and participate in the activities that define their community. As the police chief put it: “If we get into a situation of commuter cops, we will lose a great bit of our ability to be part of the community.”

h) The City should preserve a balance between developed areas and dedicated open lands.

Cardiff Glen will provide the open space and dedicated park area described herein under the P.U.D. requirements that will comply with this policy.

i) The City should require adequate infrastructure concurrent with development.

The existing infrastructure in the South Glenwood area has problems which will be corrected by **Cardiff Glen**.

1) The water pressure deficiency will be improved through the construction of a new, 500,000 gallon water tank to be located on Glenwood Land Company property on the south side of County Road 116.

2) Sewer tap fees will be paid in advance to correct sewer line deterioration in the Midland Avenue area.

3) All on-site infrastructure will be constructed according to present utility requirements.

j) The City should encourage a balance among household sizes, income and ages.

Cardiff Glen is designed as a complete neighborhood, an area of many elements, not just one housing type. We are proposing 91 two, three and four bedroom, single family dwellings ranging in size from 800 sq. ft. to 1600 sq. ft. (measured as interior net livable area and excludes basement and garage space). We are requesting approval of up to 30 Accessory Dwelling Units (A.D.U.) that could be built above garages which, if built, would be approximately 320 sq. ft to 420 sq. ft studio type dwellings.

A variety of 126 multi-family dwellings ranging from 440 sq. ft. studios, 880 sq. ft one bedrooms, 800-1100-1200 sq. ft. two bedrooms and 1250 sq. ft. three bedrooms (measured as interior net livable area and excludes basement and garage space), will be provided; fourteen of these units will be above The Midland Commercial Center shops.

Each phase of the development will contain a variety of the unit types and sizes offering cost, life-styles and size options throughout the project. We therefore anticipate that from the beginning, **Cardiff Glen** will reflect the diversity existing in Glenwood Springs.

k) The City should encourage a variety of housing types, sizes and costs within each neighborhood. Neighborhoods are defined as areas with unique characteristics such as architecture or geography, walkable in extent and characterized by social interaction amongst residents.

Cardiff Glen is designed to secure this variety. We are offering a broad spectrum of housing types, ranging from below-median income rental to market-rate single family detached sale homes. In addition, we are requesting approval of up to thirty Accessory

Dwelling Units (A.D.U.) to be included as part of the PUD application. The A.D.U. is an idea that has proven successful in other communities by supplying another level of housing opportunity and potential income for the owners.

Cardiff Glen is conceived as a genuine neighborhood defined by a grid pattern of streets and alleys. The applicant intends to build all of the structures and by doing so, will control the architectural character throughout the neighborhood. A system of pedestrian paths will be developed, in addition to the sidewalks, that will connect the perimeter to various adjacent properties such as Sopris Elementary School, the City recreation area at the school and the future extension of the Midland Bike trail. The path system will allow residents to walk to Summerville Park, the Midland Commercial Center, Grand River Park and The Roundhouse from any location within the neighborhood. All of these features will promote the pride of place and a sense of belonging so necessary to the well-being of any successful neighborhood. The Homeowners Association Covenants will insure that the standards we set are maintained.

1) The City should reduce traffic congestion.

The Midland Commercial Center, a neighborhood-scale commercial area, is easily accessible by bike or on foot from any residential location in **Cardiff Glen**. This easy access would therefore eliminate a certain amount of car traffic for taking care of the necessities. The center could include a small “corner grocery store”, a day-nursery, a coffee shop, a doctor or dentist, and The Roundhouse, a community activity center. We have connected the neighborhood to Sopris Elementary School which would allow children to walk or bike to school, instead of taking the bus or being dropped off by their parents. We anticipate 300-400 children in **Cardiff Glen** and assuming that about half would be in elementary school we could anticipate a significant reduction in school traffic alone. We are hoping that the City will consider an extension to the existing bus service to **Cardiff Glen** to promote public transport and greatly reduce the car traffic. We would encourage the use of trolley sized buses that could stop at the Midland Commercial Center on a regular basis for the residents to commute to town. We would be happy to “create” a bus stop to fit the character of **Cardiff Glen**.

2. Density/Zoning

A density of 10-12 units per gross acre with residential lots and blocks limited in size will provide greater affordability and encourage pedestrian activity. A variety of housing will be provided, including detached single family residential, duplex, townhomes, condominiums and apartments. With a variety of housing types, the needs of varied age and income groups are more easily accommodated within the PUD and a greater diversity of residents is encouraged.

Individual zone districts have been created for the single family, multi-family and commercial/residential.

See Section D. Zoning Standards for R/2-PUD, R/3-PUD and C/3-PUD zoning requirements.

3. Small Lot

The fabric of the neighborhood is made up of homes built on narrow 33 foot(min.) wide by 91.5 foot long lots (3020 s.f.). Houses with modest front yards face the street with garages located at the rear of each house, on alleys, with the exception of twelve single family lots that will have driveways accessed from the street. This arrangement, for the majority of the PUD, results in uninterrupted sidewalks and

makes the front entry and porch of each house the prominent feature - not the garage doors. On the lots that have street access, garages will be set back from the principal structures a minimum of 10 feet. Accessory dwelling units over detached garages can be used for home offices, apartments, a teenager's private space, or for care for an elderly parent.

4. Commercial

The commercial zone joins with the Roundhouse community center and Grand River Park to form Old Town Square at the heart of the neighborhood and serve as the focal point and landmark for the PUD. The community center will serve as the neighborhood gathering center as well as the for central mail pick-up. Locally owned commercial uses are planned to provide conveniences and amenities that will add to the quality of life in the PUD and surrounding neighborhoods in south Glenwood. A small grocery, coffee shop/cafe, day nursery center, and professional offices are located within short walking distance to every resident. Convenient pedestrian access to the Old Town Square will decrease the reliance on the automobile and reduce the traffic normally produced by typical residential developments.

5. Streets

The Cardiff Neighborhood PUD has a rectilinear pattern of streets and alleys designed to keep through-traffic off local neighborhood streets. Neighborhood streets are designed to provide equability for pedestrian comfort and automobile movement. Slowing the automobile and increasing pedestrian activity encourages the casual meetings that form the bonds of community. The local streets will be 22 feet, curb-to curb, and the collector streets will be 24 feet, curb-to-curb, a design that ensures slower traffic and safer pedestrian activity. With the exception of twelve perimeter lots, garage access will be from the alleys only, again, a design to reduce the impact of traffic.

6. Streetscape

Streets and streetscapes serve multiple purposes in the Cardiff Glen PUD including movement of automobile traffic and transit vehicles, pedestrian and bicycle pathways, areas of public interaction and areas for placement of street trees and landscaping. Streets are designed to balance the needs of all users and streetscape design is critical to this balance. The streetscape consists of at least four essential elements, including the paved section of the street, a planting strip for street trees, sidewalk and adjacent buildings. Pavement widths are reduced to 22 feet curb face to curb face on

the secondary streets and 24 feet curb face to curb face on the main collector streets to slow traffic. The network of interconnected streets and alleys disperses traffic and promotes efficient movement for all modes of transportation. Pedestrian activity is encouraged by providing uninterrupted sidewalks and appealing streetscape. Neighborliness is encouraged by placing houses with front porches and modest front yards close to sidewalks.

7. Parking

All off-street residential and commercial parking will follow and in fact exceed, the requirements of Article 070.050 with the exception of prohibiting recreational vehicle parking on-site. All single family detached, duplex residential units will be provided 2 parking spaces. Multi family units will be provided 2 spaces per units plus 1 guest space for every five units. Parking for residential units above the commercial will be provided at a rate of 1 space per studio unit, 1 space per one-bedroom unit and 2 spaces per two bedroom unit. Commercial parking will follow the Glenwood Springs Land Use Code Article 070.050.060.D.11. Guest parking has been dispersed throughout the neighborhood. Additional spaces above what is required for the commercial center have been located at Grand River Park. Small parking lots have been included at Summerville Park and at additional areas of open space where it is envisioned that

there will be a need. Within the residential blocks, guest spaces have been added parallel with the streets. These spaces will measure 8 feet by 25 feet. They will be recessed off the street by four and one half feet (the dimension of the planting strip) and will leave in excess of 18 feet of clear driving land. This has been reviewed with the fire marshal and approved. It is important to note that this reduced dimension only happens at the location of the guest parking which usually accommodates three cars and the balance of the road is 22 feet in width. Seasonal and recreational vehicles will not be allowed to park in the PUD and must be stored off-site.

Although our goal is to comply with the requirements of the underlying zoning, it should be understood that all commercial activity shall be designed to meet the needs of Cardiff Glen, and as such will not draw substantial non-neighborhood traffic. It is the applicant's belief that the parking provided within the Cardiff Glen PUD, while meeting the requirements of the underlying zoning will substantially exceed the practical requirements of this pedestrian neighborhood. This parking has been located on the 24 foot wide main collector street and has been designed as angle parking. Its full dimension has been accommodated in addition to extra space so

cars can back out of spaces without entering the main collector street.

8. Dedicated Parkland and Common Open Space

Formal and informal open space is located throughout the PUD.

The design of the neighborhood gives priority to public space. These spaces enhance community activity, identity and civic pride. The neighborhood plan creates a hierarchy of useful public spaces: a formal Old Town Square, Midland Commercial Center adjacent to Grand River Park connected by a pedestrian walk with a narrow stream to Summerville Park at the north end of the property.

Pedestrian and recreational trails connect ponds and a perimeter greenbelt with scattered parks and playgrounds. The entire PUD is interconnected by neighborhood sidewalks, and a greenbelt which promote walking, encourage informal meetings, and provide safe pedestrian and bicycle access to other open spaces or to destinations such as Sopris Elementary School, Glenwood Park PUD, Cardiff and adjacent playgrounds.

Dedicated Parkland: Summerville park will be dedicated to the City of Glenwood Springs as partial credit towards parkland dedication. Additionally, Studio 3 Land Company will commit to providing the funds necessary to construct a ball field on that park

at the time that the town constructs the ball fields at Sopris Elementary School.

Completing the required parkland dedication will be the west and south perimeter trails. This will bring the total dedicated parkland to 2.67 acres while 2.54 are required.

Common Open Space: The other large park, Grand River Park will be held as common open space by the Cardiff Glen Homeowners Association. This park will be left open so structured and unstructured activities can take place. This is envisioned as a park at which youth soccer can take place, as an example, as well as such passive activities as picnics or just tossing a baseball.

Each multi family parcel will be required to provide a minimum amount of open space (see zoning regulations for each multi family parcel's specific requirement) as well as a specific minimum amount of active open space. Within the active open space of each multi family parcel will be "tot lots" with play structures such as Timberform. These active areas in conjunction with the unstructured open space requirements for the multi family parcels will provide much needed area for multi family residents.

The combination of the common open space that has been identified as active, including Grand River Park, the multi family specific requirements for active open space and the interior trails, provides 4.43 acres of active open space. As this exceeds 50% of the code requirement for open space, this Planned Unit Development qualifies for a 50% reduction in dedicated parkland. The attached Parkland and Open Space Data provides the specific quantities required of this project by code and the quantities being provided. In each case, this development not only exceeds the code requirements, but has included those requirements into the zoning regulations.

Table 1
Park Land & Open Space Data

Park Land

	<u>Acreage</u>
Summerville Park	1.96
Tracts F-I	<u>0.82</u>
Total	2.78 acres
 Park Land Required	 2.54 acres
Total	0.24 acres over requirement
 Coke Oven Grant - \$6,250.00	
Equivalent acreage	0.09 acres

Open Space

	<u>Acreage</u>
Grand River Park*	1.51 acres
Tracts B-D*	0.27
SF Lots	2.53
MF Lots*	1.95
Planting Strips	0.70
Miscellaneous*	<u>0.26</u>
Total	7.22 acres
 Open Space Required	 5.45 acres
Total	1.77 acres over requirement

***Active Recreation Development to meet 50% Requirement**

	<u>Acreage</u>
Grand River Park	1.51 acres
Tracts B-D	0.27
MF Lots @ 33% of Open Space	0.64
Miscellaneous(school access trail)	<u>0.03</u>
Total	2.45 acres
 Active Space Required	 2.54 acres
Total	0.09 acres under requirement

Management/Maintenance and Ownership of Common Facilities: The proposal for **Cardiff Glen** includes the following:

- a) All streets and sidewalks and rights-of-way will be dedicated to and maintained by the City.
- b) All alleys will be owned and maintained by The Cardiff Glen Homeowners Association.
- c) Summerville Park, and the 15-foot wide trail easements along County Road 116, and a 20-foot wide trail easement from County Road 116 north to Summerville Park, will be dedicated to and maintained by the City.
- d) All common open space and trails within will be deeded to and maintained by The Homeowners Association.
- e) All trails, with the exception of the City Bike Trail along County Road 116 and the trail from County Road 116 to Summerville Park, will be owned and maintained by The Cardiff Glen Homeowners Association.
- f) The neighborhood recreation facility, The Roundhouse, will be deeded to and maintained by The Homeowners Association.

The following conditions will apply:

- a) Common open space shall be deeded to the **Cardiff Glen** Homeowners Association which shall be established before any

residences are sold and membership shall be mandatory for each single family residence, for each multi-family residence as well as the neighborhood commercial units.

- b) Open space restrictions shall be permanent.
- c) The Homeowners Association shall be responsible for utilities, maintenance, liability insurance and taxes on open space and recreational facilities, as well as their share of the proposed river water irrigation system.
- d) The Homeowner's Association shall have the power to levy assessments which can become liens on individual properties for the purpose of financing the operation and maintaining common facilities.
- e) In the event that the organization established to own and maintain common open space, recreational areas or commonly owned facilities or any successor organization, shall at any time fail to maintain such areas or facilities in reasonable order and condition in accordance with the approved P.U.D. plan, the City may take action as provided by C.R.S. 24-67-101 et. seq. as amended.

f) Park land dedication is to be based on the code requirements ratio of 0.007 acres per resident of the proposed development and is computed as follows:

- 1) 3.5 residents per single family dwelling.
 $3.5 \times 30 \text{ A.D.U.} + 91 \text{ single family dwellings} \times 0.007 = 2.964 \text{ ac.}$
- 2) 2.5 residents per multi-family dwellings.
 $2.5 \times 126 \text{ MF dwellings} \times 0.007 = 2.21 \text{ ac.}$
- 3) Commercial at 8% of the total gross area:
 $7200 \text{ sq. ft.} \times 8\% = 0.013 \text{ ac.}$

The total computed above is 5.19 acres. We propose that half of this park land dedication, 2.59 ac., be waived as allowed in section 070.030.140B in consideration of construction of a children's ball field in Summerville Park and The Roundhouse, a neighborhood community center, in Grand River Park.

It is anticipated that the open spaces will be developed on a proportional basis in each of the development's phasing. The Midland Commercial Center will be completed in the final phase of construction. The Roundhouse, the neighborhood recreational facility, would be constructed in the final housing phase. Studio 3 Land Company will furnish the funds necessary to construct the

new ball field for use by the City when the school property recreation area is developed.

9. Pedestrian Improvements

All residential streets have been designed with 5 feet wide sidewalks set 5 feet off the pavement edge. The sidewalks that border the main collector roads will be widened to 8 feet on the commercial side.

The walkway that connects Grand River Park to Summerville Park will be 8 feet wide and will be owned and maintained by The Cardiff Glen Homeowners Association. This walk will maintain its elevation as it crosses the roads and the roads will ramp up to the walk elevation. This will provide a hierarchical advantage to the walkway system.

A trail system within 15 foot wide and 20 foot wide easements will border the site to the south and west respectively, and provide access around the site. This will be a softer surface trail (not concrete) consisting of either asphalt, recycled asphalt or crusher fines and will be approximately 5 feet in width. These easements will be dedicated to and maintained by the City.

10. Landscaping

School Access/Security: The current plan provides easements for pedestrian access at west end of Crawford Way. This will allow pedestrian access from the school to the project site. Studio 3 will work with the School District to establish the actual physical link so that unregulated access is prevented. The easements will simply allow us to carry out any future plan for an access link.

Perimeter Landscaping: The existing adjacent uses to the Cardiff Glen property are primarily residential in the Cardiff area and are as such compatible. However, to minimize the impact to these land owners, moderate levels of landscape screening will be provided. The Applicant has met with all adjacent property owners and developed an acceptable approach to providing visual impact mitigation and security. The same method of mitigation will be employed for the Sopris Elementary School, the Airport and the two adjacent private properties currently owned by Fred Weber and Mike Alsdorf. This will consist of natural clumps of spruce and/or pinon and aspen trees as well as native shrubs such as serviceberry, potentilla and scrub oak. A three rail, split rail fence will also be constructed to secure adjacent properties. In the case of the School, the fence will be augmented with a wire mesh inside the rail fence.

The intent of the landscaping is not to make Cardiff Glen disappear behind a wall of plant material but instead to soften the architectural impact of the new residences as well as provide the required levels of security.

Native plant material in natural clumps will be used (as opposed to lining aspen trees up on 30 foot centers). The levels of landscaping will, again, not be such as to make an attempt to make the development disappear, but instead soften the visual impact of the architecture. Grasses will be native seed mixes to minimize water consumption as well as provide a more natural appearance to the perimeter. This will only be varied in specific park areas. As an example, the main entry area to the neighborhood will be a manicured fescue lawn.

The Cardiff Glen PUD will incorporate several different hierarchies in landscape. Grand River Park will be designed to provide passive recreation space. This area will be landscaped with drought tolerant turf grass and native landscape plants such as cottonwoods and dogwoods along the ponds and streams, and aspen, spruce and crab apple as well as native shrubs throughout the areas. The stream walkways will receive cottonwood trees, dogwood and alder shrubs as well as a hard surface path.

The streetscape is one of the more important elements of the proposed development. All streets will be landscaped with street trees planted within the landscape area between the sidewalk and the road. Trees will be maple, planted approximately 30 feet on center and the ground will be seeded with a drought tolerant turf mix.

All residential units will be landscaped by the developer with a "starter" landscape. This will provide underground irrigation, sod and seed, trees and shrubs. By providing this level of landscaping for all units, residents are assured that the neighborhood will be finished and attractive. Obviously, adding to the landscape will be encouraged.

In an effort to conserve water consumption, all landscape areas will receive permanent underground irrigation systems. Additionally and most importantly, all plant material will be native and to the extent possible, drought tolerant.

11. Phasing Plan

The specific project phasing will be dictated by a market study currently being prepared and may be adjusted during construction by market pressures. However, at this time we can predict the conceptual construction phasing with some degree of accuracy. The primary area of variability will be in the quantity and price of units produced within any given year. With regard to infrastructure and parks/open space, the current phasing plan represents a fair degree of accuracy. This phasing plan describes each year of construction. The date at which construction starts cannot yet be determined as it is dependent on receiving approvals.

TABLE 2
Preliminary Phasing Plan

Phase 1 Duration – 1 year		
•	Infrastructure	Water and sewer line extensions to property line, Water and sewer main trunk lines within development, Front, Darrow, Teeters and Fanning Roads
•	Units	Approximately 50 units within Fanning and Teeters
•	Parks	Tot lot at MF – 1 Grade and seed Grand River Park Airport buffer and security fencing
Phase 2 Duration - 1 year		
•	Infrastructure	Crawford, Buffam, Breen, Shepards, Stockton Road Water and sewer within roads
•	Units	Approximately 50 Parks Tot lots at MF – 2, 3 and
Phase 3 Duration – 1 year		
•	Infrastructure	Newkirk Place, Winters Lane Water and sewer within roads
•	Units	Approximately 50
•	Parks	Tot lot at MF – 5 Final landscape at Grand River Park
Phase 4 Duration – 1 year		
•	Infrastructure	Culver Circle Water and sewer within road
•	Units	Approximately 50
•	Parks	Tot lot at MF – 6
Phase 5 Duration – 1 year		
•	Infrastructure	Complete
•	Units	Commercial center and residential units above, community center

Summerville Park will be developed in conjunction with the schedule for development of the School's ball fields. Studio 3 Land Company will commit funds by letter of credit, bond or cash to the City of Glenwood Springs prior to issuance of first building permit for Cardiff Glen.

12. Wildlife

Andrew Antipas Ecological & Environmental Consulting, LLC has prepared a wildlife evaluation for the Cardiff Glen site based upon Division of Wildlife information (Attached herein). This study concludes that the proposed development will not have a significant impact on wildlife. Additionally, it is the preference of the DOW to see infill development in existing developed areas, such as Cardiff, rather than the type of sprawl currently being developed in the Roaring Fork Valley with the development of ranches. Infill projects do not fragment habitat as sprawl does.

13. Irrigation

Irrigation will not employ domestic potable water but instead utilize raw water. In a joint effort with the City of Glenwood Springs, raw water will be pumped from the Roaring Fork River to storage ponds

on site, which will in turn provide pressurized water supply via a separate main line system to all residences. This system will be available to the School District and the City for future use.

14. Utilities

The respective utility companies have been contacted and have the ability and capacity to serve the proposed PUD, with the exception of water. The City of Glenwood Springs has agreed that treated water will be provided to the PUD upon construction of adequate water storage by the applicant on an adjacent hillside site. The new water storage facility, while a requirement for the Cardiff Neighborhood PUD will provide substantial benefit by means of increased water storage for the existing surrounding neighborhoods. The water main extension required of the Cardiff Neighborhood PUD will allow the City to provide improved water service to Cardiff residents currently serviced by the existing 2 inch line.

The applicant understands that there are currently identified off-site water and sewer service constraints. As such, the applicant agrees to work with the City towards an equitable solution to the upgrade of these systems.

15. Affordability

It is the intent of the applicant to provide both for-sale and rental housing that will be affordable to not only median income Glenwood employees, but employees that earn above and below the median income mark.

As the project is currently proposed, no deed restrictions will be placed on any real estate without subsidy. However, for any unit that receives a minimum 10% qualifying subsidy, a perpetual deed restriction will be placed upon that unit limiting its resale appreciation to CPI or 3%. The types of subsidy currently being pursued by Studio 3 are low and moderate income tax credit financing for the rental units, Community Development Block Grants (CDBG), energy assistance grants and, potentially, cash in lieu for affordable housing funds channeled from other local developments through the Housing Commission. Any subsidy dollar shall reduce the price of the subsidized unit by one dollar. The purpose of the proposed sales prices in this document is only to provide a baseline from which subsidies can be applied.

16. Airport Compatibility

The primary components of airport/residential compatibility are (a) noise (b) air space protection and (c) security.

a) **Cardiff Glen** has commissioned a noise impact assessment from Engineering Dynamics of Denver (see attached report dated October 26, 1998). The study shows that we have a very quiet airport with noise levels in the “normal conversation” level, and will therefore not require mitigation. However, the building mass of the multi-family buildings adjacent to the runway will further buffer the small level of noise significantly for the interior site buildings. Take-off noise occurs well down the runway and far enough from **Cardiff Glen** to not be objectionable.

b) We have designed the northerly area layout in an effort to address the 7:1 slope clearance advisory (see attached plan). The multi-family buildings adjacent to the runway are intended to be rental units, and while the noise study indicates levels well below the maximum recommended, residency in these units would not be affected by negative influences on ownership. All deeds for the development will contain language that the owner acknowledge the

existence of the airport.

A recent telephone conversation with Mr. Allan Wichmann, with the FAA District office in Denver, disclosed that the FAA has no control over this airport and that the 7:1 clear zone is not an FAA requirement, but simply a recommendation for safety purposes. He stated that the existing airport facilities penetrate the zone. The PUD zoning will provide for compliance with the FAR Part 77. (See attached zoning descriptions)

We request that the developer retain the right to increase the height of improvements and structures in the 7:1 clear zone if the airport is ever relocated and that this provision be included in the P.U.D. approval.

17. Miscellaneous Commitments

a) Studio 3 land Company has committed to deed-restrict a minimum of 20% of the proposed housing inventory conditional upon the City of Glenwood Springs sponsoring grant applications for the project. At a preliminary level at the Planning and Zoning Commission, the City has committed to sponsoring grant applications for the project. This will provide nearly 50 units to which a deed restriction will be applied. Studio 3 will generate an

Occupancy and Resale Deed Restriction for approval by the City of Glenwood Springs. This will be in the form of a Master Deed Restriction. Each individual purchaser of a deed restricted property will be required to sign a Memorandum of Acceptance that will then be attached to the Master Deed Restriction and recorded with the deed at the initial purchase. Studio 3 will act as real estate broker for the initial sales to ensure that the deed restrictions are filed. All future re-sales will be the responsibility of the City of Glenwood Springs or its assignee.

The level of subsidy that will be required to generate 20% of the Cardiff Glen units to be deed restricted must be negotiated between Studio 3 and the City of Glenwood Springs. This commitment will culminate in a contract between Studio 3 and the City of Glenwood Springs and be included in the Subdivision Improvements Agreement. The level of subsidy required to result in a unit's deed restriction will be established as a per unit minimum, but no less than 10% of the Studio 3 Baseline Price. This minimum level of subsidy shall be established by reviewing the current "unrestricted" sale or rental price of a unit against the sale or rental price at which a purchaser is willing to accept a deed restriction. As an example, if two identical units are priced at \$150,000.00 and one is unrestricted while one has an Occupancy and Resale Deed

Restriction, the deed restricted unit will have no market appeal. The point at which that unit becomes acceptable to a purchaser as a deed restricted unit will establish the minimum level of subsidy required to deed restrict that specific unit.

The project as proposed offers an incentive to the City and the Housing Commission to be involved in securing subsidies as this will result in the perpetual deed restriction of units. In all likelihood, the level of subsidized units (and subsequently deed restricted units) will substantially exceed the 20% mark. All subsidies will be pursued by Studio 3 and thus eliminate the manpower requirements for the City of Glenwood Springs. The City will however, need to participate as a conduit, via its signature, to secure some or all of the pursued subsidies. Other levels of subsidy may come directly from the City such as fee waivers. In either scenario, these subsidies will be applied dollar for dollar to unit sales prices.

The proposed unit prices are presented as a baseline for the application of subsidy dollars only. This price structure is presented in 1998/99 dollars and will be adjusted according to local inflation. The specifics of how many units receive subsidy and as such, a deed restriction, will depend on the nature and the amount

of the subsidy.

It is the goal of Studio 3 to continue to work with the City, the State and the Housing Commission, as we have done to date, to create units that fall into a price or rental structure that is not currently available in Glenwood Springs or the surrounding area. All work done to date on this development, from the design of the lotting plan, to the architecture, to the financing, has been done with the singular purpose of creating affordable housing. As a result, at this time, with no subsidy, more than 85% of the project falls within the definition of affordable as stated by the Housing for Tomorrow Commission and the City of Glenwood Springs.

In summary, the affordable housing components of the Cardiff Glen development are as follows;

- Current projected pricing for the Cardiff Glen units provide for more than 85% of the project to fall within the City's definition of "affordable" (based on the 80% to 150% median income presented by the Housing for Tomorrow Commission),
- Studio 3 will pursue, with the cooperation of the City of Glenwood Springs, subsidies for application to Cardiff Glen,

- All subsidy money will be applied, dollar for dollar, to the reduction of sale/rental prices of units,
- All units that receive a minimum qualifying subsidy of at least 10% of the projected Studio 3 baseline price will have an Occupancy and Resale Deed Restriction filed on the property.

Housing Data Table

	A	B	C	D	E	F	G	H	I
	Assumed		Studio 3	Min.	% of	80% Med.		Target	
Unit Type	Unit Household	No. of	Baseline	Annual	Med.	Income	Monthly	Affordable	Difference
	Size	Units	Price	Income	Income	See Table Below	Income	Price	
Studio/C	440	4	\$85,000	\$25,526	85%	\$24,150	\$2,013	\$80,420	\$4,581
1-BR MF/C	880	4	\$120,000	\$38,038	104%	\$27,800	\$2,317	\$92,574	\$27,426
2-BR MF/C	1,200	8	\$135,000	\$40,541	104%	\$31,050	\$2,588	\$103,397	\$31,604
2-BR MF	800	31	\$125,000	\$37,538	97%	\$31,050	\$2,588	\$103,397	\$21,604
2-BR MF	1,100	31	\$150,000	\$45,045	104%	\$34,550	\$2,879	\$115,052	\$34,949
3-BR MF	1,250	50	\$175,000	\$52,553	122%	\$34,550	\$2,879	\$115,052	\$59,949
3-BR SF	1,350	60	\$215,000	\$64,565					
4-BR SF	1,600	31	\$230,000	\$69,069					
TOTAL		217			103% Average				

- A Used to determine the affordable income level. Assumption is based upon Unit Size.
 B Units proposed to be built by Studio 3.
 C Studio 3 baseline sales price before any subsidy.
 D Minimum income required for baseline priced unit.
 E Baseline price as a percentage of Area Median Income for corresponding household size.
 F 80% of Area Median Income.
 G Monthly Income at 80% of Area Median Income.
 H Affordable housing price for 80% of Area Median Income.
 I Difference between Studio 3 baseline price and Affordable Housing price.

1998 Garfield County Household Income Data

		1	2	3	4	5	6	7	8
Median Income	100%	\$30,200	\$34,750	\$38,800	\$43,200	\$48,800	\$50,050	\$53,500	\$57,000
Moderate Income	80%	\$24,150	\$27,800	\$31,050	\$34,550	\$37,300	\$40,050	\$42,800	\$45,600
Low Income	60%	\$18,100	\$20,700	\$23,300	\$25,900	\$27,950	\$30,000	\$32,100	\$34,150
Very Low Income	50%	\$15,100	\$17,250	\$19,400	\$21,600	\$23,300	\$25,050	\$26,750	\$28,500
Extremely Low Income	30%	\$9,050	\$10,350	\$11,650	\$12,950	\$13,950	\$15,000	\$16,050	\$17,050

b) Studio 3 Land Company has committed to provide six thousand, two hundred and fifty dollars (\$6,250.00) towards the preservation of the coke ovens located on County Road 116. This money will be provided to the Historical Society.

c) Studio 3 Land company has committed to improve County Road 116 from the intersection of Four Mile Road to the eastern most PUD intersection (Darrow Street). These improvements will include widening the asphalt platform, widened shoulders, drainage improvements and the trail adjacent to the road.

d) As previously stated, Studio 3 Land company has committed to provide funding for the construction of the ball field at Summerville Park; while this is not required, the project otherwise meets it's for open space and parkland. Funding for this ball field will be provided directly to the City of Glenwood Springs.

e) We agree to Mr. Gambrel's comments regarding transformer and water locations, equipment and labor costs and roadway conditions. There will be street lights in the development. We will meet with Mr. Gambrel to discuss what type of fixture would be acceptable. We will also meet with him to discuss the issue of our share of the cost to upgrade and bury the main overhead line on Country Road 116.

f). We will construct a 3-rail split-rail fence along the common airport property line that will limit pedestrian access to the airport, as approved by the Airport Committee. The fence will be maintained by the City of Glenwood Springs.

D. ZONING STANDARDS

**CARDIFF GLEN
PLANNED UNIT DEVELOPMENT**

ZONING STANDARDS

R/2 – PUD

Single Family Residential

I. Uses

A. Permitted Uses:

1. Single-family Dwelling
2. Two-family Dwelling (duplex)
4. Accessory Dwelling Unit (ADU)
5. Open Space/Parks
6. Pedestrian and bicycle trails
7. Minor Home Occupation as defined under Section 070.010.010 "Home Occupation".

II. Minimum Lot Sizes

A. Residential

1. Single Family Dwelling 3,000 Square feet
2. Two-family Dwelling(duplex) 6,000 Square feet
(Two lots combined)

III. Off-Street Parking

A. Residential

1. Single Family Dwelling 2/unit
2. Two-family Dwelling(duplex) 2/half duplex
3. ADU 1/unit
4. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Setbacks

A. Residential

1. Single Family Dwelling
 - Front Yard 10 feet
 - Rear Yard 10.5 feet
 - Side Yard 3 ft.min./ 10 feet total
10 feet on street side
 - Side Yard (Corner lots) 10 feet on street side, 5'
on common lot side
2. Two-family Dwelling(duplex)
 - Front Yard 10 feet
 - Rear Yard 10.5 feet
 - Side Yard 0 feet at common wall/ 10
feet total
 - Side Yard (Corner lots) 10 feet on street side, 5'
on common lot side
3. Combined or zero lot-line garages or outbuildings permitted where
two adjacent property owners agree in writing.

V. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

A. Residential

1. Single Family Dwelling 30 feet
2. Two-family Dwelling(duplex) 30 feet
3. 77 "Objects Affecting Navigable Airspace", whichever is
more restrictive.

VI. Maximum Floor Area

- A. Residential 1 square foot of gross
building area per 1
square foot of lot area
(1:1)
- B. Accessory Dwelling Unit 300 s.f. min., 500 s.f.
max. excluding garage
space.

C. Maximum Lot Coverage

60% of lot area as defined by Section 070.010.010 "Lot Coverage".

D. Exclusions

In accordance with Section 070.010.101 "Floor Area".

VII. Maximum Density

14 dwelling units per acre

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

ZONING STANDARDS

R/3 – PUD

Multi-family Residential

I. Uses

A. Permitted Uses:

1. Single family dwelling
2. Two-family dwelling
3. Multi-family dwelling
4. Open Space/Parks
5. Pedestrian and bicycle trails
6. Minor Home Occupation

II. Minimum Lot Size

6,000 Square feet

III. Off-Street Parking

A. Residential

1. Multi-family Dwelling 2/unit
1 guest space per 5 units
2. Single Family Dwelling 2/unit
3. Two-family Dwelling(duplex) 2/half duplex
4. ADU 1/unit
5. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Open Space Requirements per Multi-family Parcel

- A. Common Open Space. Each multi-family parcel shall be required to provide the following quantities of *common open space* in accordance with Section 070.010.010 "Common Open Space".

Lot 92	17,587 s.f.
Lot 93	3,002 s.f.
Lot 94	2,644 s.f.
Lot 95	26,216 s.f.
Lot 96	35,351 s.f.

- B. Active Open Space. Each multi-family parcel shall be required to provide the following quantities of useable *active open space* within and inclusive of the Common Open Space Requirements of Paragraph A. above in accordance with Section 070.070.030.B.

Lot 92	5,804 s.f.
Lot 93	991 s.f.
Lot 94	873 s.f.
Lot 95	8,651 s.f.
Lot 96	11,666 s.f.

V. Setbacks

A. Residential

1. Multi-family Attached

Front Yard	20 feet
Rear Yard	10 feet
Side Yard	10 feet per building 15 feet on street side
2. Single Family Dwelling

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	3 ft.min./ 10 feet total 10 feet on street side
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side
3. Two-family Dwelling(duplex)

Front Yard	10 feet
Rear Yard	10.5 feet
Side Yard	0 feet at common wall/ 10 feet total
Side Yard (Corner lots)	10 feet on street side, 5' on common lot side

VI. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

- A. Residential
 - 1. Single Family Dwelling 30 feet
 - 2. Two-family Dwelling(duplex) 30 feet
 - 3. Lots 92, 93 & 96 40 feet
 - 4. Lots 94 & 95: 40 feet or as restricted by FAR Part 77 "Objects Affecting Navigable Airspace", whichever is more restrictive.

VII. Maximum Floor Area

- A. Residential 1 square foot of gross building area per 1 square foot of lot area (1:1)
- B. Open Space Refer to Paragraph IV above for Open Space Requirements

VIII. Maximum Density 35 Units per gross acre

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

ZONING STANDARDS C/3 – PUD Commercial / Residential

I. Uses

A. Permitted Uses:

1. Multi-family Dwelling
2. Open Space/Parks
3. Pedestrian and bicycle trails
4. Minor Home Occupation
5. Commercial
 - a. Day Nursery
 - b. Food and beverage service (25 seat maximum)
 - c. Professional office
 - d. Grocery
 - e. Personal service establishment as follows: barber shop or beauty shop, laundromat or laundry serving individuals, shoe repair shop, tailor shop and other similar services.

Commercial uses shall be located on the first floor only with the exception of professional office which can be located on the second floor. All commercial buildings shall have residential uses on the second and or third floor where applicable.

6. Schools
7. Transit Facility
8. Indoor Commercial Recreation Use

II. Minimum Lot Size

10,000 Square feet

IV. Off-Street Parking

- A. Commercial per Article 070.050.060.D.11.
- B. Multi-family above Commercial
 - 1 per studio unit
 - 1 per 1-bedroom unit
 - 2 per 2-bedroom unit
 - 1 guest space per 5 units
- C. Seasonal and recreational vehicles are not allowed to park in the PUD and must be stored off-site.

IV. Setbacks

- A. Commercial / Residential
 - Front Yard 5 feet
 - Rear Yard 5 feet
 - Side Yard 5 feet

V. Building Height Measured in accordance with Sections 070.010.010 Definitions "Building Height", and "Maximum Building Height".

- A. Commercial / Residential 40 feet

VI. Maximum Floor Area

- A. Commercial / Residential
 - 1 square foot of gross building area per 1 square foot of lot area (1:1)

E. Exhibits

1. Soils & Foundation Investigation
2. Airport Noise Assessment
3. Wildlife Considerations
4. Summary of Development Standards/Home-owners Covenants

CARDIFF GLEN PLANNED UNIT DEVELOPMENT

Summary of Development Standards/Homeowners Covenants

All buildings in Cardiff Glen will be required to be varied and articulated to provide visual interest for pedestrians. A combination of the following identifying features are encouraged:

- Combinations of smaller masses, two story with one story elements.
- Gabled and/or hipped roofs with cross gables, gabled inset or hipped dormers.
- Moderate to steep roof pitches with overhanging eaves.
- Front entry and windows facing the street.
- Partial, full width or wrapped one story front porches.
- Focal windows, bay windows, door and window surrounds of human scale.
- Balconies, stoops, covered walkways, raised dooryards.
- Uniform setbacks from street for all single family areas.
- Minimum of two parking spaces for single family dwellings with alley access

Primary Building on Single Family Lots

- The minimum dwelling size shall be 800 s.f.
- The maximum dwelling size shall be 3000 s.f.
- The primary residence must orient toward the street.
- Entry walks shall be constructed of concrete, pavers or natural stone.
- Entry elevation must be approximately at street level unless terrain requires changes.

Homeowners Covenants

The Cardiff Glen Subdivision is a mix of single family, multi-family and neighborhood commercial areas and each will have their own protective covenants and by-laws. The following highlights will be helpful in understanding how Cardiff Glen functions. The Executive Board of the Association will manage the affairs of the Homeowners Association. The Covenants are written to protect the Homeowners and to insure the quality of the subdivision. Rules will be developed for maintenance, use, occupancy, leasing, landscaping, light, noise, signs, and other activities. All construction within the development, with the exception of parkland dedicated to the City, is subject to review and approval by the Development Review Committee, including primary buildings, outbuildings, fences and walls, landscaping, driveways and parking. All construction must be in conformance with the Development Standards and all standards of the City of Glenwood Springs Municipal Zoning, and Building Codes.

Accessory Dwelling Units

The developer will designate lots that will be permitted to construct ADU's. ADU's will be over the garage or attached to the primary residence. Maximum area shall be 440 s.f. Either the residence or ADU must be owner-occupied by either the owner, his relative, employee of Glenwood Springs, or the entire property may be rented as a single unit with a minimum rental period of nine months.

Permitted Roofs and Gutters

- Pitches of 8:12 or greater for all gabled or hipped roofs on primary single family, multi-family and commercial buildings.
- Shed roofs with 4:12 minimum to 8:12 maximum pitch used as porch coverings or building appendages.
- Flat roofs permitted only if not visible from street.
- Symmetrical front or cross gables; side gables only with additional dormers.
- Symmetrical front or cross hipped roofs.
- Gabled, hipped, inset or similar dormers.
- Overhangs a minimum of 6".
- Skylights, vent stacks, solar panels not visible from the street.
- Roofs with wood shingles, composition shingles, sheet metal or corrugated panels in dark earth-tone colors, non-reflective.

Yard Requirements - Single Family

- Front yard setback - 10 ft.
- Side yard setback -10 ft total.
- Side yard setback for corner lots –10 ft. on street side, 5 feet on common lot side.
- Rear yard setback in alley - 10'-6'
- Combined or zero lot-line garages or outbuildings permitted where two adjacent property owners agree in writing.

Basements

- Allowed in single family, multi-family and commercial areas, subject to site specific soil analysis.

Landscaping

- Treated City water not permitted for irrigation.
- Lot owners to maintain the landscape strip in front of their property.
- No identical houses are allowed to be built without two dissimilar houses between in the same block or facing the same street.

Permitted Mass and Scale

- Primary building mass or approximately 800 s.f. minimum to approximately 1200-1700 s.f. maximum.
- Larger projects divided into building masses with transitions.
- Building entrances similar in scale to those seen in traditional neighborhoods.

Permitted Exterior Materials

- Horizontal or vertical board siding, wood shingles, corrugated metal.
- Stone or brick veneer.
- Stucco or other synthetic stucco-type materials where material occupies less than 60% of total exterior surface.

Building Requirements

- Maximum building height:

Single family	30 ft.
Multi-family	40 ft.
Commercial/MF	40 ft.
- Maximum number of stories:

Single family	2-1/2
Multi-family	3
Commercial/MF	3
- Maximum floor area ratio 1:1
- Minimum landscaped open space 20%
- Minimum parking for single family 2 cars
- Parking required at alley access only where lots abut an alley.

Allocated Interest

The proportionate share of common expense liability and votes allocated one per single family or neighborhood commercial homesite and one and one-half per each duplex homesite.

Assessments

Are based upon an annual budget of common expenses in accordance with the allocated interest of each owner.

Common Expenses

Includes maintenance and repair of the irrigation system, ditches and ponds, fencing, management and administration of the HOA, costs of Development Review Committee, insurance, alley maintenance and repair, open-space trail

easements, neighborhood center facility, and any other expenses incurred by the Association.

Easements

All restrictions for the fences, irrigation system, ditches, ponds, alleys, rights-of-way, trails, parks and emergency services will be established and detailed in the final plat.

Irrigation

All exterior water must be with the irrigation system owned and operated by the HOA. The irrigation system will use water rights owned by the City of Glenwood Springs. Use will be restricted.

Lease Restrictions

All leases must be in writing and are subject to all rules of the HOA.

Neighborhood Commercial/Home Occupancy

The Midland Commercial Center is designed for a combination of residential use with retail commercial, offices or personal service use and will be subject to all rules of the HOA.

Parking Restrictions

All access to parking in the single family lots (except Lots 1-10, 90 & 91, and multi-family Lots 93 & 94) must be through the alley. All single family lots will have a minimum of two on-site parking spaces.

No resident parking will be allowed on the subdivision streets.

No recreational vehicles or boats will be allowed in Cardiff Glen.

On-street parking will be allowed only in designated areas and will be limited to 72 hours.

No overnight parking will be allowed at Summerville Park or Grand River Park.

Community Center

Ownership, maintenance, taxes and insurance shall be the sole responsibility of the *master* Cardiff Glen Homeowners Association.

engineering dynamics

October 26, 1998

Mr. John Baker
Studio 3 Land Co.
1001 Grand Ave.
Glenwood Springs, Colorado 80601

FAX PAGE 1 OF 4
1-970-928-9709

Voice: 1-970-928-9704

RE: QUOTE FOR AIRCRAFT NOISE ASSESSMENT
GLENWOOD AIRPORT RESIDENTIAL PROJECT

Dear Mr. Baker:

Engineering Dynamics, Inc. has completed an Airport noise impact assessment for the proposed Park East PUD and the Cardiff Neighborhood PUD, located on the East and West sides of the Glenwood Springs Airport.

1.0 Background

The proposed residential developments are directly East and West of the Glenwood Springs Airport.

1.1 Measurement Locations

One 24-hour A-weighted statistical noise measurement was performed at two locations on the property. The measurement locations were;

Measurement Location 1 - Park East PUD 200' from the Northeast corner of the Airport property, on the Airport property line.

Measurement Location 2 - Park East PUD 1000' from the Northeast corner of the Airport property, on the Airport property line.

Measurement Location 3 - Cardiff PUD, 500' from the Northwest corner of the Airport property, on the Airport property line.

1.2 Measurement Dates

Measurements were made at all three sites from 9pm Thursday October 15, 1998 to 9am Monday October 19, 1998. The DNL data is reported for Friday, Saturday and Sunday October 16, 17 and 18, since 24-hours of hourly Leq data was obtained for these three days.

2.0 Applicable Standards

Department of Housing and Urban Development U.S. Department of Housing and Urban Affairs (HUD) defines acceptability of land used for residential development to be Normally Acceptable when the measured DNL < 65 dB(A). Residential areas with an Day-Night Level (DNL) < 65 dB(A) comply with the Normally Acceptable Criteria for residential development, areas that have DNLs ≥ 65 and ≤ 75 dB(A) are considered Normally Unacceptable, and areas that have DNLs ≥ 75 dB(A) are considered Unacceptable.

3925 south kalamath street
englewood, colorado 80110
(303) 761-4367 • fax (303) 761-4379

Mr. Baker
October 26, 1998
Page 2 of 4

The FAA uses the DNL 65 dB(A) Normally Acceptable Limit, to apply to residential developments. Residential developments that are within the DNL 65 contour are unacceptable. Residential developments between the DNL 60 and 65 dB(A) contours are acceptable, but with more robust construction to mitigate exterior aircraft noise.

NOTE: During a sample period the Sound Pressure Level (SPL) or noise level fluctuates up and down, if we were to perform an energy average of the fluctuating levels throughout the sample period (i.e. find the area under the curve). The Energy Equivalent Level (Leq) is simply equal to the constant noise level, over the same time period, that would have the same area under the curve. The DNL is the logarithmic average of the daytime (7am to 10pm) and the nighttime (10pm to 7am) Leq's, with a ten dB(A) penalty added to the nighttime Leq.

3.0 Typical Noise Levels

Table 3.1 lists instantaneous A-weighted Sound Pressure Levels (SPLs)/noise levels of some typical events.

Table 3.1: A-weighted SPLs of Typical Events/Activities

Event or Activity	dB(A)
Threshold of Hearing	0
Inside Recording Studio	15
Quiet Rural Night	30
Soft Whisper at 6' and Quiet Suburban Night	35
Rustle of Leaves at 6'	40
Quiet Urban Daytime	50
Normal Conversation at 3'	60
Vacuum Cleaner at 10'	70
Crowded Restaurant and Noisy Urban Daytime	75
Lawn Mower at 3'	85
Nightclub	100

NOTE: For the average human an increase of the measured noise level of 10 dB is 'Subjectively Perceived' as being twice as loud or half as loud for a 10 dB decrease. The decibel change at which the average human will indicate that the noise is just perceptibly louder or perceptibly quieter is 3 dB.

4.0 Measured Data

4.1 DNL and Hourly Leq Data

Results of the 72-hour A-weighted Leq and DNL noise measurements are shown in Tables 4.1. Inspection of the data in Table 1 shows the following:

engineering
dynamics

Mr. Baker
October 26, 1998
Page 3 of 4

- a. The average DNL at any of the three sites is less than 60 dB(A).
- b. The DNL 60 and 65 noise contours are located on airport property and do not extend into the proposed residential areas.
- c. Based on the results of 'a' and 'b' both residential areas fall within the HUD Normally Acceptable Limits.

4.2 Background Noise Levels

Background noise levels across both sites are in the range of 45 to 50 dB(A) during the daytime hours and 32 to 38 dB(A) during the nighttime hours.

4.3 Impact from S.H. 82 Traffic Noise

During the measurement period observation of background noise sources in the area of the proposed developments showed that the dominant source was vehicle traffic on S.H. 82.

Typical automobile traffic noise levels for the Park East PUD range from 45 to 50 dB(A), with truck noise levels peaking from 60 to 75 dB(A).

Typical automobile traffic noise levels for the Cardiff Neighborhood PUD range from 42 to 47 dB(A), with truck noise levels peaking from 60 to 70 dB(A).

5.0 Conclusions

Based on results of Section 4.0 the proposed residential developments, Park East and Cardiff Neighborhood PUDs are not within the DNL 60 or 65 Noise Contours around the Glenwood Springs Airport.

NOTE: It is not uncommon in Eastern and Western states of the U.S. to have residential developments built right up to the property line of a small airport, such as the Glenwood Springs Airport. This is not a typical occurrence in Colorado because the population is not as high as in other parts of the U.S.

If you have any questions, please contact me at our Englewood office.

Sincerely,

ENGINEERING DYNAMICS, INC.



Stuart D. McGregor
Vice President

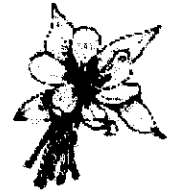
engineering
dynamics

Mr. Baker
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Table 4.1: A-weighted Hourly Leg and 24-hour ONL Data

Time	Site 1			Site 2			Site 3		
	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3
0	40.6	43.2	42.9	41.1	43.6	43.0	39.0	41.9	41.2
1	41.2	42.7	43.1	42.1	42.9	43.4	39.4	41.5	41.6
2	41.0	41.0	41.1	41.3	41.8	41.8	39.4	39.6	39.9
3	42.9	41.6	40.8	43.6	42.5	41.5	41.1	40.0	39.7
4	44.0	44.4	39.7	44.5	44.5	41.2	42.5	43.3	38.1
5	50.8	45.8	43.2	50.1	46.1	43.6	48.9	44.4	41.3
6	57.5	47.8	44.1	55.5	47.6	44.6	56.0	46.2	42.7
7	57.3	50.5	55.2	59.9	50.6	53.9	55.6	45.7	53.6
8	61.1	51.6	55.4	67.9	52.3	54.0	59.9	50.3	53.4
9	54.9	60.2	63.6	60.2	56.0	64.8	53.6	59.1	61.9
10	67.5	55.8	60.9	61.5	53.9	68.3	65.5	54.0	59.1
11	55.3	55.3	55.5	63.2	54.1	56.0	53.6	54.0	53.9
12	52.8	53.4	60.4	52.1	57.1	58.2	51.7	51.9	58.8
13	53.7	63.1	56.0	56.7	64.3	56.1	52.1	61.7	54.2
14	53.7	56.1	59.0	52.9	56.9	59.9	52.4	55.1	57.9
15	54.4	53.5	58.4	53.2	52.2	57.7	52.6	51.9	57.3
16	54.4	52.6	55.8	53.8	50.6	53.9	52.7	51.5	53.8
17	55.3	51.9	56.5	54.8	51.6	57.0	53.3	50.2	55.0
18	53.4	52.3	56.4	53.1	52.0	55.7	51.6	51.1	54.9
19	52.2	50.6	49.9	52.2	50.9	50.1	50.2	49.3	43.4
20	50.3	49.7	48.1	49.7	50.0	48.2	48.4	47.8	47.0
21	49.4	47.6	47.7	49.4	47.6	48.3	47.7	46.6	46.2
22	48.7	46.8	45.9	49.1	46.9	46.1	46.8	45.2	44.9
23	46.5	45.2	43.1	46.3	45.1	43.4	45.3	43.8	41.3
ONL	59.0	55.5	56.5	59.4	55.5	58.4	57.3	54.1	55.0

Andrew Antipas Ecological & Environmental Consulting, LLC



11/20/98

Tom Stevens
Stevens Group
580 Main St.
Carbondale, CO 81623

Reference: Cardiff Glen
Wildlife Considerations

Dear Mr. Stevens,

Based on the condition of the site, adjacent land uses, and city zoning it is my opinion that the proposed subdivision will not significantly impact wildlife resources. On November 13, 1998 I visited the Cardiff Glen site in order to inspect the existing habitat and adjacent land uses. I also reviewed the Colorado Division of Wildlife's database through a search I requested from the Garfield County Planning Department's GIS coordinator.

The following letter describes the results of my site observations and review of the CO Division of Wildlife mapping for the subject property. Also enclosed is a project location map and two site photographs, which should orient the reader and give them a sense of the sites characteristics.

Property Description

The 22 acre parcel is bordered by the Glenwood Airport to the northeast, the Sopris Elementary School to the west, and sparsely developed steep terrain to the south. Vegetation on the site is dominated by big sagebrush and a mixture of grasses.

A portion of the site appears to have been disturbed in the past as if it might have been graded at one point and used as a parking or storage area. It appears that there is gravel (road base?) distributed on the site. However, the size of the sagebrush indicate that the area has been undisturbed for a number of years.

Recent mule deer sign was observed on site in the form of fresh hoof prints and scat. The deer may access the Roaring Fork River through the site. Plus, there is suitable vegetation on site for the deer to eat. The sagebrush plant community is also a good indicator that the site does not hold snow very long in the winter, which would make it good winter habitat. However, there is not a lot of cover for big game.

The site is surrounded on three sides with human development, and it is my understanding that the Federal Aviation Administration (FAA) has regulations regarding wildlife activities near airports. Encouraging wildlife activity near the runway is a safety hazard and should be discouraged.

Colorado Division of Wildlife Mapping

Colorado Division of Wildlife mapping indicated that the subject property consisted of winter range and overall range for mule deer. Plus, the project area falls within bald eagle winter range and black bear overall range.

The CO Division of Wildlife defines Winter Range as "that part of the overall range of a species where 90 percent of the individuals are located during the average five winters out of ten from the first heavy snowfall to spring green-up, or during a site specific period of winter as defined for each Data Analysis Unit (DAU)."

The CO Division of Wildlife also lists a disclaimer for their wildlife maps. The disclaimer reads as follows: "Care should be taken in interpreting these maps. The activity areas portrayed here are a graphic representations of phenomena that are difficult to reduce to two dimensions. Animal distribution is fluid, animal populations are dynamic, and either may vary considerably from what is shown here."

Conclusions

The study area does fit the typical description for mule deer winter range. However, based on adjacent land use, some of which strongly conflict with wildlife activity, the development of this site will not significantly impact wildlife habitat.

Even though the area is mapped as bald eagle winter range the site is well off the Roaring Fork River and there are no suitable roost sites available, which is likely due to the airport maintaining a clear zone at the ends of the runways. Many of the western slope mountain communities fall within black bear habitat. The bears are our neighbors and new residents need to be educated to discourage bears from visiting neighborhoods. Usually garbage attracts the animals, so homeowners need to be encouraged to store trash out of harms way.

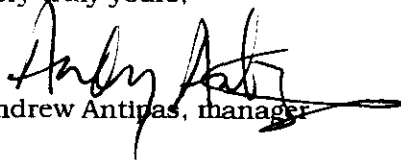
Developing this site within the Glenwood Springs city limits is an opportunity to reduce suburban sprawl. In addition, this site is filling the gaps between existing development, which is significantly better from a wildlife perspective than developing rural sites. Given the presence of the airport, elementary school, and established subdivision this site is in keeping with surrounding land use.

However, the term "urban" is relative to the type of city we are talking about. Large quantities of public land are located in close proximity to our western slope communities. Clearly, deer frequent the study area, and if there are deer you can certainly expect a variety of other wild animals in the area like coyote, fox, raccoons, bear, and skunk.

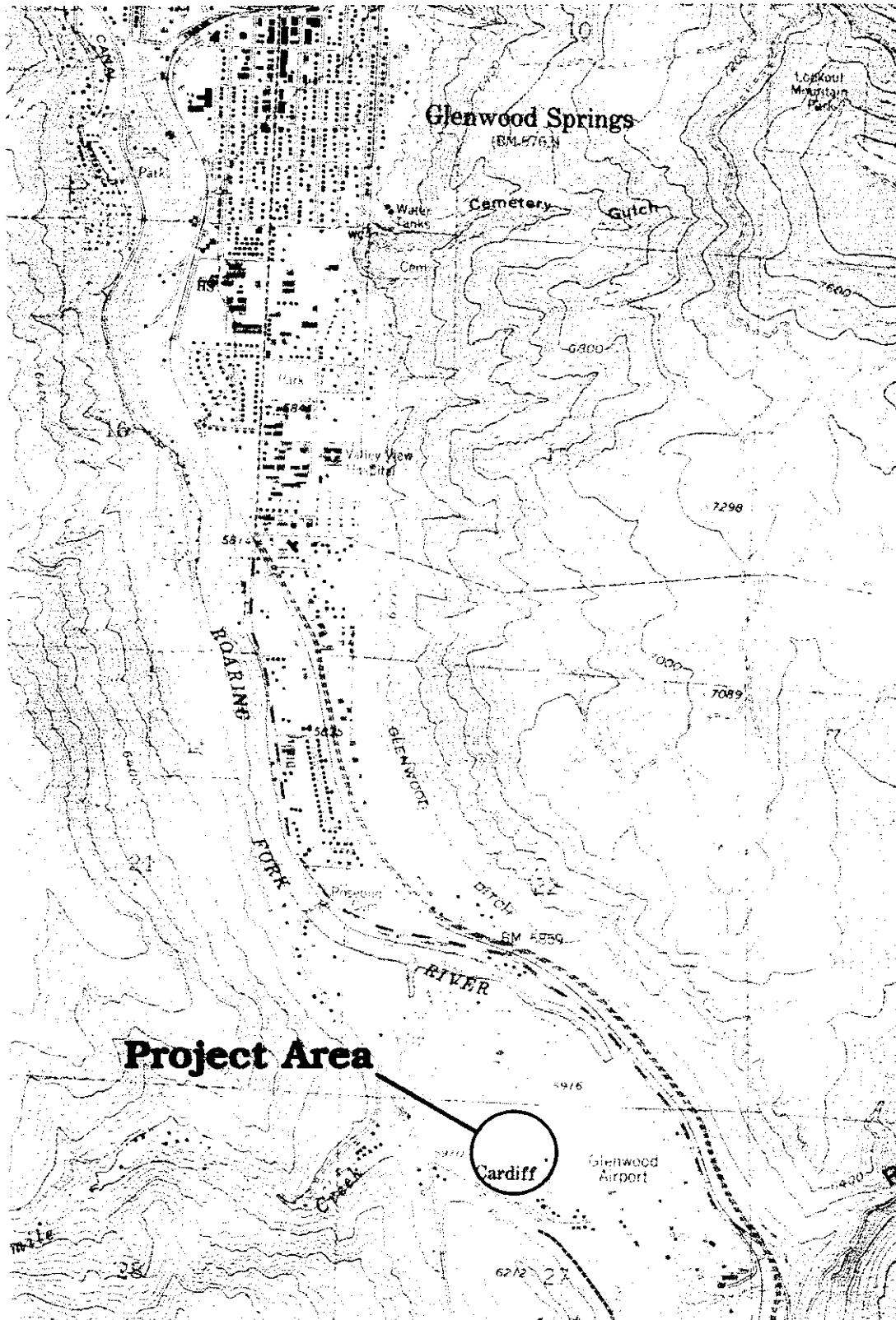
Therefore, home owners need to be educated so they are sensitive to wildlife concerns. Trash should be stored in such a way in order to eliminate the temptation to bears, raccoons, and skunks. Dogs and cats should be kenneled and not allowed to roam. Dogs and cats can have a significant impact of wildlife especially in the winter. The homeowners association should consider instituting regulations which recognize wildlife issues that are part-and-parcel with living on the western slope.

If I can provide any additional information, or answer any questions you might have, please do not hesitate to call. Thank you for the opportunity to serve you.

Very truly yours,


Andrew Antipas, manager

PROJECT LOCATION MAP



VSGS Glenwood Springs Quadrangle
Photorevised 1987
Scale: 1" = 2,000'

FIGURE 1



Photo 1. Cardiff Glen Site. Looking northwest

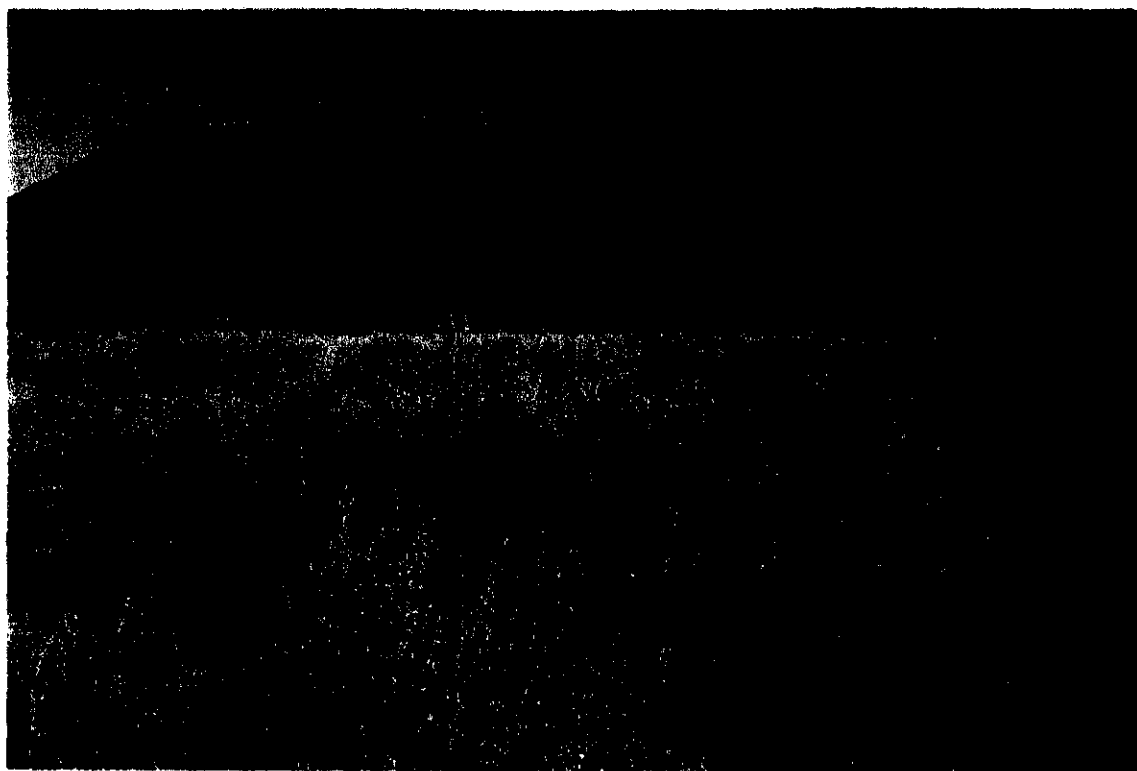


Photo 2. Gardiff Glen Site. Looking north.

**Garfield County Planning Department GIS Resources:
Colorado Division of Wildlife WRIS Data Checklist for:**

Cardiff site, Andy Antipas. - Rob Hykys 11-16-98

Rob Hykys, GIS Analyst, garcopin@rol.net 970-945-8212, FAX: 970-945-7785 6/17/98 10:39 AM

Note: For interpretation of this data, contact Division of Wildlife, Grand Junction, Pam Schnurr, Wildlife Biologist at 970-297-1192.

Wildlife habitat lies:

	Entirely in Area	Partly in Area	Within 1 Mile	Out of Area
Bald Eagle Active Nest Site	✓	—	—	✓
Bald Eagle Winter Range	✓	—	—	—
Black Bear Overall Range	✓	—	—	—
Black Bear Human Conflict	—	—	—	—
Black Bear Fall Concentration Area	—	—	—	—
Black Bear Summer Concentration Area	—	—	—	—
Bighorn Migration Patterns	—	—	—	—
Bighorn Overall Range	—	—	—	—
Bighorn Winter Range	—	—	—	—
Bighorn Winter Concentration Area	—	—	—	—
Bighorn Summer Range	—	—	—	—
Bighorn Production Area	—	—	—	—
Boreal Toad	—	—	—	—
Canada Goose Brood Concentration Area	—	—	—	—
Canada Goose Feeding Area	—	—	—	—
Canada Goose Production Area	—	—	—	—
Canada Goose Wintering Area	—	—	—	—
Canada Goose Winter Concentration Area	—	—	—	—
Chukar	—	—	—	—
Colo River Cuthroat Trout	—	—	—	—
Elk Migration Corridors	—	—	—	—
Elk Winter Range	—	—	—	—
Elk Winter Concentration Area	—	—	—	—
Elk Severe Winter Range	—	—	—	—
Elk Overall Range	—	—	—	—
Elk Summer Range	—	—	—	—
Elk Summer Concentration Area	—	—	—	—
Elk Production Area	—	—	—	—
Golden Eagle Nest Site	—	—	—	—
Golden Eagle Nest Unknown Status	—	—	—	—
Great Blue Heron Nesting Area	—	—	—	—
Kitfox Potential Habitat	—	—	—	—
Kitfox Field Sightings	—	—	—	—
Lynx	—	—	—	—
Mule Deer Migration Patterns	—	—	—	—
Mule Deer Winter Range	✓	—	—	—
Mule Deer Winter Concentration Area	—	—	—	—
Mule Deer Severe Winter Range	—	—	—	—
Mule Deer Overall Range	✓	—	—	—
Mule Deer Summer Range	—	—	—	—
Mule Deer Resident Population Area	—	—	—	—
Mule Deer Highway Crossing	—	—	—	—
Native Fish - <i>MTN WHITEFISH, MOTTLED SCUPIN, FLANNELMOUTH SUCKER, BLUE-HEAD SUCKER</i>	—	—	—	—
Osprey Active Nest Site	—	—	—	—

Wildlife habitat lies:

	Entirely in Area	Partly in Area	Within 1 Mile	Out of Area
Peregrine Falcon Active Nest	—	—	—	✓
Peregrine Falcon Nesting Area	—	—	—	✓
Peregrine Falcon Migratory Hunting Habitat	—	—	—	✓
Pronghorn Antelope Overall Range	—	—	—	✓
Pronghorn Antelope Winter Range	—	—	—	✓
Pronghorn Antelope Winter Concentration Area	—	—	—	✓
Ptarmigan Potential Habitat	—	—	—	✓
Raptors - GOLDEN EAGLE, LONG EARED OWL	—	—	✓	✓
Razorback Sucker	—	—	—	✓
River Otter Overall Range	—	—	✓	✓
Sage Grouse Brood Area	—	—	—	✓
Sage Grouse Overall Range	—	—	—	✓
Sage Grouse Production Area	—	—	—	✓
Sage Grouse Winter Area	—	—	—	✓
Wild Turkey Overall Range	—	—	✓	✓
Wild Turkey Production Area	—	—	—	✓
Wild Turkey Winter Range	—	—	—	✓
Wild Turkey Winter Concentration Area	—	—	—	✓
Wild Turkey Roosting Sites	—	—	—	✓
Willow Flycatcher Potential Significant Habitat	—	—	—	✓
Wolverine Possible Sighting	—	—	—	✓



PUD CONTEXT PLAN
SCALE 1"=150'

0 75 150 300'

①

CARDIFF GLEN
PLANNED UNIT DEVELOPMENT
Glenwood Springs, Colorado

Studio 3
LAND COMPANY, LLC
1801 Grand Avenue, Suite 211, Glenwood Springs, Colorado 81601 970.838.4300 970.838.4301
800 344-3777 970.838.4302 970.838.4303
1200 1st Avenue, Aspen, Colorado 81611 970.838.4304 970.838.4305

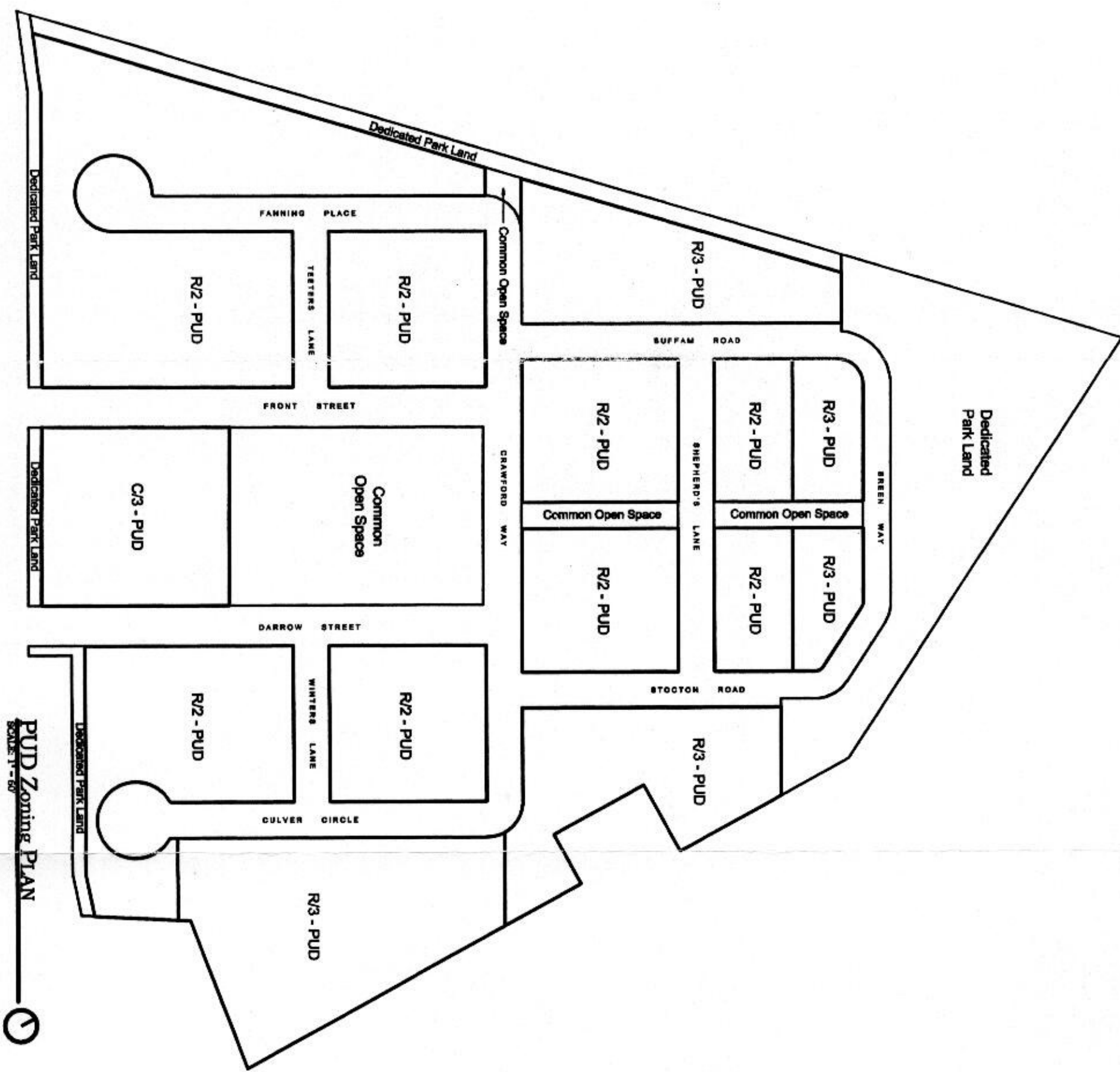
REVISIONS

JOB NUMBER 9803
DATE 12-10-98
DRAWN BY JTB
CHECKED BY

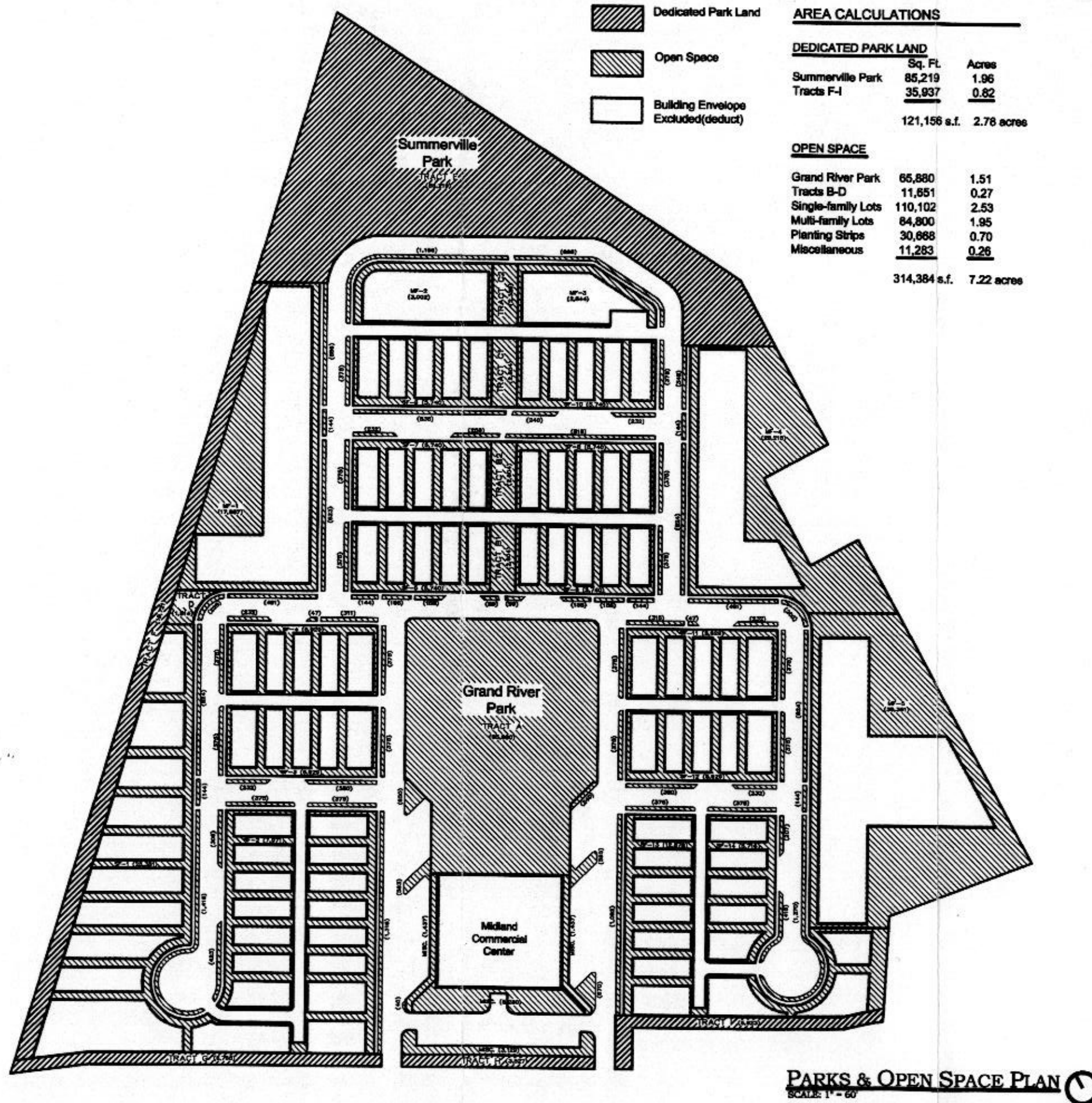
SHEET NUMBER

2

OF 5 SHEETS



SHEET NUMBER 3 OF 5 SHEETS	JOB NUMBER 9803 DATE 12-10-98 DRAWN BY JES CHECKED BY	REVISIONS	CARDIFF GLEN PLANNED UNIT DEVELOPMENT Glenwood Springs, Colorado	Studio 3 LAND COMPANY, LLC 1001 Grand Avenue, Suite 111, Glenwood Springs, Colorado 81601 970.228.8885 970.204.0941 fax 200 Main Street, Suite 200, Glenwood, Colorado 81606 970.228.2711 970.228.2707 fax 1200 1/2 Avenue, Aspen, Colorado 81611 970.926.1888 970.926.2479 fax



**FIRST AMENDMENT
TO JOINT USE AND COST SHARING AGREEMENT**

This Agreement is made and entered into as of January __, 2016, by and between CARDIFF GLEN MASTER ASSOCIATION, a Colorado non-profit corporation ("Master Association"), CARDIFF GLEN RESIDENCES HOMEOWNERS ASSOCIATION, a Colorado non-profit corporation ("Residences Association"), CARDIFF GLEN II OWNERS ASSOCIATION, INC, a Colorado non-profit corporation ("Cardiff II Association") and CARDIFF 96, LLC, a Colorado limited liability company ("Cardiff 96") (The Master Association, Residences Association, and Cardiff 96 may each be referred to herein as a "Party" or collectively as the "Parties").

WITNESSETH:

WHEREAS, Master Association and Residences Association have previously entered into a Joint Use and Cost Sharing Agreement between themselves, Studio 3 Land Company, LLC ("Studio 3") and Village Homes of Colorado Inc. ("Village Homes") regarding certain matters pertaining to the Cardiff Glen P.U.D. (the "PUD") in Glenwood Springs, Colorado, a copy of which agreement was recorded with the Garfield County Clerk and Recorder on April 20, 2004, as Reception No. 650496 (the "JUCSA"); and

WHEREAS, Studio 3 and Village Homes previously served as the owners and developers of portions of the PUD but are no longer involved with the project, and Cardiff 96 has acquired certain portions of the PUD described as Lots 95 and 96; and

WHEREAS, the PUD includes various common areas and open space areas owned and maintained by the Master Association and/or the Residences Association as identified on the recorded plats and declarations of covenants for the PUD, including without limitation an active park known as Grand River Park (the "Common Areas"); and

WHEREAS, pursuant to the JUCSA, Village Homes was to construct and develop new residential units within the PUD and contemplated the creation of one or more additional associations to govern such new units (described in the JUCSA as the "Village HOAs"), and the JUCSA provides that the residents of all such new units and the Village HOAs and their members would have the right to use the Common Areas under the same terms and conditions as the members of the Master Association and the Residences Association; and

WHEREAS, Cardiff II Association is a Village HOA created by Village Homes and is a successor to Village Homes under the JUCSA; and

WHEREAS, Cardiff 96 is now the owner of Lots 95 and 96 which were included within the real property described in the JUCSA as the "Contract Property," and Cardiff 96 is a successor to the rights of Village Homes pursuant to the JUCSA with respect to the development of Lots 95 and 96; and

WHEREAS, the City Council of Glenwood Springs, Colorado, has passed Ordinance No. 20, Series of 2015 ("Ordinance No. 20"), which amended the zoning of the PUD to modify certain obligations relating to the development of the PUD, including Lots 95 and 96, and said Ordinance included conditions relating to agreements among the Parties hereto relating to construction and maintenance of certain open space improvements, which conditions this Agreement is intended to fulfill.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. Recitals. The foregoing recitals are incorporated herein by reference as affirmative and material representations and acknowledgments of the Parties.

2. Construction Authorization. The Master Association and Residences Association each agree and consent to the construction of improvements by Cardiff 96 within Grand River Park and other Common Areas of the PUD that may be owned or controlled by the Master Association and/or the Residences Association, provided that such improvements are consistent with the requirements described in Ordinance No. 20. Cardiff 96 and its contractors and agents shall have the right to enter upon the Common Areas for such construction purposes and agree to hold harmless the Master Association and Residences Association from any property damage and any claims arising out of such construction activities on the Common Areas. Upon satisfactory completion of such improvements as determined by the City of Glenwood Springs, the improvements shall be conveyed by bill of sale to the Master Association or Residences Association (depending upon which owns the underlying real property), and upon such conveyance the shared maintenance obligations as described herein and in the JUCSA shall apply.

3. Common Areas. The rights granted to the "Village HOAs" and "Future Residents" as set forth in the JUCSA shall apply equally to any future owners' association created by Cardiff 96 or its successors and to residents and members of such association(s) with respect to units or lots to be created in the future on Lots 95 and/or 96. Such future associations and future residents shall be responsible for a proportionate share of maintenance obligations as set forth in the JUCSA, and the procedures for approval of a budget as set forth therein shall apply.

4. Open Space Improvements on Lot 95. If and when any active open space improvements contemplated by Ordinance No. 20 are approved by the City of Glenwood Springs and constructed upon Lot 95, then the area where these improvements are located shall be designated as a separate Common Area tract for transfer of ownership to the Master Association, which the Master Association agrees to accept. Such improvements and real property shall then be treated the same as all other Common Areas as provided in the JUCSA and this Agreement.

5. Successors and Assigns. Cardiff 96 may assign its rights and obligations under this Agreement, in whole or in part, to any future association created for Lots 95 or 96 and also to any subsequent purchaser/developer of Lots 95 or 96, provided such future

purchaser/developer expressly agrees to be bound by the provisions of this Agreement and the terms of Ordinance No. 20.

6. Ratification of JUCSA. Except only as expressly modified herein, the Parties ratify and affirm the terms of the JUCSA and incorporate all of its terms by reference, including without limitation all remedies and default provisions as set forth therein. Notices to the Parties shall be made as follows:

To Master Association and Residences Association:

P.O. Box 1204
Glenwood Springs, CO 81602

With a copy to:

Robert C. Gavrell, Esq.
Worrell Durrett Gavrell
P.O. Box 1089
Glenwood Springs, CO 81602

To Cardiff II Association:

1512 Grand Ave., Suite 109
Glenwood Springs, CO 81601

With a copy to:

Jeffrey J. Conklin, Esq.
Karp Neu Hanlon
P.O. Drawer 2030
Glenwood Springs, CO 81602

To Cardiff 96:

P.O. Box 3551
Basalt, CO 81621

With a copy to:

David H. McConaughy, Esq.
Garfield & Hecht, P.C.
420 Seventh Street #100
Glenwood Springs, CO 81601

7. Recording. A copy of this Agreement shall be recorded with the Garfield County Clerk and Recorder.

SO AGREED as of the date first written above.

Cardiff Glen Master Association

By: Mary Boyd

Cardiff 96, LLC

By: _____

Cardiff Glen Residences Homeowners Association

By: Mary Boyd

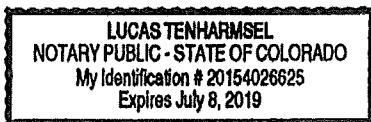
Cardiff Glen II Owners Association, Inc.

By: ~~Barbara L. Blench~~

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this 1st day of February, 2016, by Mary Boyd as
Treasurer on behalf of Cardiff Glen Master Association.

Witness my hand and official seal:



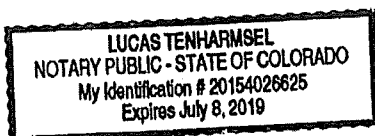
[Signature]
Notary Public

My commission expires: July 8, 2019

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this 1st day of February, 2016, by Mary Boyd as
Treasurer on behalf of Cardiff Glen Residences Homeowners Association.

Witness my hand and official seal:



[Signature]
Notary Public

My commission expires: July 8, 2019

SO AGREED as of the date first written above.

Cardiff Glen Master Association

Cardiff Glen Residences Homeowners Association

By: _____

By: _____

Cardiff 96, LLC

Cardiff Glen II Owners Association, Inc.

By: *[Signature]*
96 LLC

By: _____

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this ____ day of _____, 2016, by _____ as
_____ on behalf of Cardiff Glen Master Association.

Witness my hand and official seal:

Notary Public

My commission expires:

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this ____ day of _____, 2016, by _____ as
_____ on behalf of Cardiff Glen Residences Homeowners Association.

Witness my hand and official seal:

Notary Public

My commission expires:

[illegible]

Subscribed before me on this ____ day of _____, 2016, by _____ as _____ on behalf of Cardiff Glen II Owners Association, Inc.

Witness my hand and official seal:

Notary Public

My commission expires:

[illegible]

Subscribed before me on this 28 day of Jan, 2016, by Eric A Fish as Manager on behalf of Cardiff 96, LLC.

Witness my hand and official seal:

MARIA VERONICA VARGAS
Notary Public
State of Colorado
Notary ID 20014021313
My Commission Expires Jan 21, 2018

Notary Public

My commission expires:

SO AGREED as of the date first written above.

Cardiff Glen Master Association

By: _____

Cardiff 96, LLC

By: _____

Cardiff Glen Residences Homeowners Association

By: _____

Cardiff Glen II Owners Association, Inc.

By: Barbara L. Blerch

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this ____ day of _____, 2016, by _____ as
_____ on behalf of Cardiff Glen Master Association.

Witness my hand and official seal:

Notary Public

My commission expires:

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this ____ day of _____, 2016, by _____ as
_____ on behalf of Cardiff Glen Residences Homeowners Association.

Witness my hand and official seal:

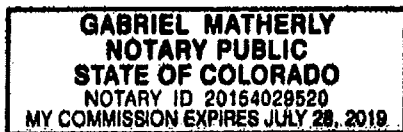
Notary Public

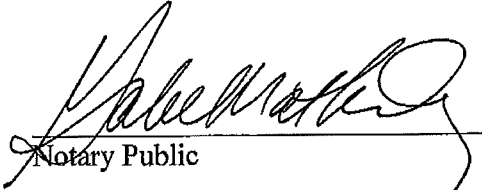
My commission expires:

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this 29 day of January, 2016, by BARBARA BLOCH as
PRESIDENT on behalf of Cardiff Glen II Owners Association, Inc.

Witness my hand and official seal:





Notary Public

My commission expires: JULY 28, 2019

STATE OF COLORADO)
) ss.
COUNTY OF GARFIELD)

Subscribed before me on this ____ day of _____, 2016, by _____ as
_____ on behalf of Cardiff 96, LLC.

Witness my hand and official seal:

Notary Public

My commission expires:

ORDINANCE NO. 20

Series of 2015

**AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, AMENDING THE CARDIFF GLEN PLANNED UNIT
DEVELOPMENT TO ELIMINATE THE REQUIREMENT TO
CONSTRUCT A COMMUNITY CENTER REFERRED TO AS THE
“ROUNDHOUSE”, MODIFY OPEN SPACE REQUIREMENTS, AND
REQUIRE IMPROVEMENTS IN GRAND RIVER PARK.**

WHEREAS, the Glenwood Springs City Council approved, in Ordinance No. 3, Series of 1999, a rezoning of a 21.75 acre parcel from R/4 to Planned Unit Development, to be known as Cardiff Glen P.U.D.; and

WHEREAS, two of the requirements of the approved Cardiff Glen P.U.D. were construction of a roundhouse community center (the “Roundhouse”) and the required open space areas on Lots 95 and 96; and

WHEREAS, the developers of the Cardiff Glen P.U.D. and other circumstances have substantially changed since the initial approval of the P.U.D, and the current developer of Lots 95 and 96 has requested that the requirement for the Roundhouse be eliminated, that alternative improvements be made in Grand River Park, and has also requested a modification of the open space requirements on Lots 95 and 96; and

WHEREAS, the City’s Planning and Zoning Commission, at its July 28, 2015 meeting, conducted a public hearing and recommended amending the Cardiff Glen P.U.D. by eliminating the Roundhouse and in lieu thereof require certain improvements in Grand River Park, and modifying the common and active open space requirements on Lots 95 and 96; and

WHEREAS, City Council considered the Planning and Zoning Commission’s recommendations at its regular meeting on August 20, 2015 and affirmed the findings of the Planning and Zoning Commission and eliminated the Roundhouse and in lieu thereof require certain improvements in Grand River Park, and modifying the common and active open space requirements on Lots 95 and 96; and

WHEREAS, City Council found that the proposed amendments are consistent with the City’s Comprehensive Plan, other adopted City plans, the Municipal Code, and the City’s goals and policies; and

WHEREAS, the Glenwood Springs Municipal Code requires that an ordinance be enacted to effectuate the amendments as granted.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, ORDAINS THAT:

Section 1. The recitals above are hereby adopted as findings.

Section 2. The Cardiff Glen P.U.D. is hereby amended subject to the following contingencies, which have been agreed to by the developer:

1. The active open space and common open space areas and improvements on Lots 95, 96, and in Grand River Park shall be as presented in Exhibits A and B, attached hereto and incorporated herein.
2. Maximum number of units on Lot 95 shall be limited to four (4) and maximum number of units on Lot 96 shall be limited to twenty-five (25).
3. Completion of active open space improvements per Exhibits A and B shall occur prior to issuance of any Certificate of Occupancy on Lots 95 or 96.
4. The amendment of the PUD as presented in Exhibits A and B in lieu of the elimination of the Roundhouse and changes in common and active open space on Lots 95 and 96 is contingent upon the submittal of an agreement between all the homeowners associations and owners of Lots 95 and 96 regarding shared maintenance of improvements no later than February 1, 2016. In the event no agreement is provided by this date, the Cardiff Glen PUD is amended to eliminate the roundhouse requirement but shall retain the original requirements as contained in Ordinance 3, Series of 1999, for common open space and active open space on Lots 95 and 96.
5. Full details on all proposed open space improvements shall be submitted for the review and approval of City staff prior to February 1, 2016 i.e. utility plans, landscape plans, furniture specifications, pavement/sidewalk improvements, architectural plans and materials for gazebo, number of picnic tables, grills, etc.
6. Upon City approval of proposed open space plans, an engineer's estimate for all private improvements shall be provided with proposed method of security. The proposed form of security shall be subject to the approval of the City Attorney.
7. Evidence of legal authorization from the Cardiff Glen Master Association, or some other legally binding agreement between the homeowners associations, as approved by the City's legal counsel, will be required for construction of improvements in Grand River Park, as well as agreement to acquire ownership and maintenance of alternative improvements.
8. If any improvements on Lots 95 or 96 are to be active open space improvements for all of the Cardiff Glen residents, the area where these improvements are

located should be designated as a separate tract for transfer of ownership of common area to the Cardiff Glen Master Association. This can be achieved via a minor subdivision, or some other format, i.e. agreement.

9. No Certificates of Occupancy shall be issued on Lots 95 and 96 until all plans and materials for private improvements have been reviewed and approved by City staff, security is provided per approved engineer's estimate, method of securing private alternative improvements is approved by the City Attorney, and all alternative open space improvements are constructed. An amendment to the Cardiff Glen Subdivision Improvement Agreement shall be recorded to memorialize the requirements for private improvements prior to the construction of such improvements.

Section 3. The City Clerk is hereby directed to file for recording one (1) certified copy of this ordinance with the Garfield County Clerk and Recorder.

Section 4. Any and all ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict only.

INTRODUCED, READ ON FIRST READING, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY THIS 3rd DAY OF September, 2015.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Catherine Mythen
Catherine Mythen, City Clerk



Michael Gamba, Mayor

INTRODUCED, READ ON SECOND READING, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND PUBLICATION, THIS 17th DAY OF September, 2015.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Catherine Mythen
Catherine Mythen, City Clerk



Michael Gamba, Mayor

Exhibit A

Common and Active Open Space Areas

Lot 95 – Common Open Space to be 19,246 sq. ft.

Active Open Space to be 17,302 sq. ft.

Lot 96 – Common Open Space to be 21,210 sq. ft.

Active Open Space to be 7,000 sq. ft.

Active Open Space Improvements Lot 95 and Grand River Park

Lot 95 - Improvements:

- Playground
- (3) Horseshoe Pits
- (1) Sand Volleyball Court
- (1) 10'x10' Gazebo with Picnic Table
- (4) On Street Parking Spaces
- (14) Off Street Community Parking Spaces
- Landscaping
- Hydroseeding
- Irrigation
- Concrete Sidewalks (2,200 SF)

Grand River Park - Improvements:

- (1) 20'x35' Pavilion w/ Picnic Tables & BBQ Grill
- (1) 16'x16' Pavilion w/ Picnic Tables & BBQ Grill
- (6) Park Benches
- Relocated Playground
- Concrete Sidewalk
- Crushed Granite Paths
- Cobble Planting Beds
- (4) On Street Parking Spaces
- Parking Removal (Existing diagonal parking spaces along the park perimeter to be adjusted to eliminate tandem parking.
- Landscaping
- Hydroseeding
- Irrigation



Lots 95 and 96 Option B Open Space Area Calculations and Diagram
Cardiff Glen Grand River Park and Lots 95 & 96
Glenwood Springs, Colorado

TO: TRENT HYATT

FROM: IAN HAUSE, CREATIVE RESULTS CONSULTING

RE: EXISTING LAND USE AND TRAFFIC IMPACT STUDY CARDIFF GLEN PUD, SOLSTICE TOWNHOMES

We have reviewed the Traffic Impact Study (TIS), Cardiff Glen, Midland Avenue, dated March of 1999, performed and approved by and with the existing Cardiff Glen PUD. This was provided by your office and is also hereby attached.

We have also reviewed the plan and plat set submittal checklists provided by your office and have carefully provided the items required by the checklists.

The Site/Architectural Review Plan checklist states; "Preliminary Traffic Impact Analysis – the level of documentation required depends on the location of the property and the type of development proposed."

The Complete Plan Set checklist asks for the same level of information under identical nomenclature.

Exhibit A in the referenced TIS contemplates 247 dwelling units and commercial development within the Cardiff Glen PUD. The Commercial Development Parcel, Lot 97, Exhibit A, shows 22 parking spaces along Midland Avenue. Apparently, there was a rezoning over time and that parcel, Lot 97, now contains 12 dwelling units (DU). Exhibit A does not accurately represent what is platted and developed today at Cardiff Glen.

However, regardless of what has occurred over time, we cannot find that the Cardiff Glen DU exceed 247, including the 12 in lieu of commercial development and the proposed 29 DU on lots 95 and 96. Actually, an informal field review shows that the density is less than the TIS contemplated and there is no commercial traffic generated by this PUD.

In consideration of the 1999 Cardiff Glen, Midland avenue TIS, the current 27th Street/Bridge TIS and the underway South Bridge TIS...we do not believe a density and allowable use reduction within the Cardiff Glen PUD should mandate an updated TIS.

The airport and South Bridge and 27th Street Bridge studies either underway or completed vastly exceed our simple completion of an existing and approved PUD with respect to existing and projected traffic use and needs

The checklists provided do not mandate a TIS an allow for location case consideration. We appreciate your and the engineering staff's consideration in that regard.

Thank you for accepting current traffic analysis as inclusion in the submittal.

TRAFFIC IMPACT STUDY

CARDIFF GLEN PUD MIDLAND AVENUE GLENWOOD SPRINGS, COLORADO

MARCH 1999



American Consulting
Engineers Council
Member

BANNER

BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & SURVEYORS
2777 CROSSROADS BOULEVARD • GRAND JUNCTION, CO 81506 • (970) 243-2242

TRAFFIC IMPACT STUDY

CARDIFF GLEN P.U.D. MIDLAND AVENUE GLENWOOD SPRINGS, COLORADO

March 1999

Prepared For:

THE STEVENS GROUP
580 Main Street, Suite 220
Carbondale, Colorado 81623

Prepared By:

BANNER ASSOCIATES, INC.
2777 Crossroads Boulevard
Grand Junction, Colorado 81506

CERTIFICATION

I hereby certify that this Traffic Impact Study for **Cardiff Glen P.U.D.** was prepared by me or under my direct supervision.



Steven E. Sharpe
Registered Professional Engineer
State of Colorado, #29547

INTRODUCTION

This Traffic Impact Study is being prepared to determine the traffic that could be generated in and out of the proposed Cardiff Glen Planned Unit Development (PUD) and the impact it would have on the existing local traffic network.

The location of the proposed development is on the north side of Midland Avenue (County Road 116) between Glenwood Elementary School and Glenwood Springs Airport, as illustrated on the Vicinity Map in Appendix A. The parcel is bounded by Midland Avenue on the south, the Glenwood Springs Airport on the east, and Glenwood Elementary School on the west. Development in the vicinity consists of Glenwood Park Subdivision to the north. Single family residential clusters exist to the south, southeast and southwest. Proposed construction consists of 91 single-family detached homes, 126 multi-family homes and 30 Accessory Dwelling Units (ADU). The ADU structures consist of studio type dwellings above garages, with living areas of between 320 – 420 square feet.

The phasing for construction of Cardiff Glen PUD is outlined in Table 2, "Preliminary Phasing Plan", page 36, as presented by Studio 3 Land Company in their project application report. The phasing proposes build-out of approximately 50 units per year for five years, along with the corresponding streets that service the units. Two accesses off Midland Avenue are proposed for the project upon completion. The two accesses are separated from each other by approximately 260 feet, as measured from centerline to centerline of road. Both accesses lie north of Midland Avenue as shown on the proposed subdivision layout in Appendix A of this report. The Morgan Street access generally aligns with a gravel drive to the south, accessing single family residences. The Clark Street access is situated approximately 260 feet west of Morgan Street.

EXISTING SITE CONDITIONS

The approximately 22-acre parcel is currently vacant with no defined access from Midland Avenue. Midland Avenue primarily is a rural roadway consisting of two travel lanes, one each direction, with the asphalt width being approximately 22 feet between gravel shoulders. Midland Avenue, also referred to as County Road 116 and Airport Road, serves the Glenwood Springs Airport, KN Energy business and scattered single-family residences in the southern Glenwood Springs area.

The relationship between the proposed Cardiff Glen PUD entrances off Midland Avenue and nearby intersections are as follows: the Clark Street entrance lies approximately 800 feet from the intersection of Four Mile Road with Midland Avenue and the Morgan Street entrance lies approximately 125 feet from the intersection of County Road 160 and Midland Avenue. Fifty feet of half road right-of-way is being dedicated to the City of Glenwood Springs for Midland Avenue in the vicinity of Cardiff Glen PUD.

TRIP DISTRIBUTION AND GENERATION

The standard source for trip generation characteristics of various land uses is Trip Generation, 5th Edition, 1991, published by the Institute of Transportation Engineers (ITE). The ITE average daily traffic (ADT) rate for residential planned unit development (ITE code #270) is 7.44 vehicle trips per day. Subsequently, the peak hour rates given by the ITE used in our analysis are illustrated in Figure 1.

Figure 1.

SUMMARY OF TRIP GENERATION ESTIMATES CARDIFF GLEN PUD

	Residential planned unit development (ITE Code #270)	TOTAL
Total dwelling units	247	247
Daily Trip Rate (Weekday)	7.44	
Daily traffic	1838	1838
AM Peak Trip Rate (Weekday)	0.58	
Total AM Traffic	143	143
Percent Inbound	23%	
AM Inbound Volume	33	33
Percent Outbound	77%	
AM Outbound Volume	110	110
PM Peak Trip Rate (Weekday)	0.72	
Total PM Traffic	178	178
Percent Inbound	64%	
PM Inbound Volume	114	114
Percent Outbound	36%	
PM Outbound Volume	64	64

The subdivision can be separated into two regions to determine the usage of the two access points. The west region, consisting of 51 single family lots, 42 townhouses and 15 accessory dwelling units will utilize the Clark Street access. The east region, consisting of 40 single family lots, 84 townhouses and 15 accessory dwelling units will use Morgan Street access. The following assumptions were made regarding turning movements at these two points:

<u>Access point used</u>	<u>% moving east</u>	<u>% moving west</u>
Clark Street	10	90
Morgan Street	10	90

These turning movements are illustrated in Appendix B and broken down by land use code in Figure 2. These assumptions seemed logical based on the following: a majority of the vehicles entering Midland Avenue will likely be going west-northwest toward 27th Street, the nearest route to the core of the City of Glenwood Springs and to Highway 82 and Interstate 70. Also, most of the business and urban recreational areas of Glenwood Springs are north and west of this subdivision, channeling its vehicles accordingly.

Figure 2.

**ACCESS POINT BREAKDOWN OF
SITE GENERATED TRIPS**

	Residential planned unit development		TOTAL
	<u>Clark St.</u>	<u>Morgan St.</u>	
Total dwelling units	108	139	247
Daily Trip Rate (Weekday)	7.44	7.44	
Daily traffic	804	1034	1838
AM Peak Trip Rate (Weekday)	0.58	0.58	
Total AM Traffic	63	81	144
Percent Inbound	23%	23%	
AM Inbound Volume	14	19	33
Percent Outbound	77%	77%	
AM Outbound Volume	49	62	111
PM Peak Trip Rate (Weekday)	0.72	0.72	
Total PM Traffic	78	100	178
Percent Inbound	64%	64%	
PM Inbound Volume	50	64	114
Percent Outbound	36%	36%	
PM Outbound Volume	28	36	64

These projected daily and peak hour volumes were combined with the existing roadway network and the resulting levels of service were calculated using the FHWA Highway Capacity Manual software. These results are in the Conclusions section of this report.

TRAFFIC VOLUMES

Two traffic counts for Midland Avenue, just south of 27th Street, were available from the City of Glenwood Springs staff. They are tabulated below.

<u>Location</u>	<u>Date</u>	<u>Source</u>	<u>Avg. Daily Traffic</u>
Midland south of 27 th	1995	City of Glenwood	5,600
Midland south of 27 th	1996*	City of Glenwood	5,500

* After opening of Midland Alternate Route to and from West Glenwood Springs.

Actual traffic counts were obtained by Banner Associates for this study along Midland Avenue in the vicinity of the proposed Cardiff Glen PUD. Counts were taken at the following time periods: weekday 7:00 am to 9:00 am, and weekday 4:00 pm to 6:00 pm. Breaking the counts into 15-minute intervals, the peak traffic hours were determined to be 7:15 am to 8:15 am and 4:30 pm to 5:30 pm. These numbers are included in Appendix C. Twenty-year projected traffic was estimated for Midland Avenue using a 2% per year increase in the off-site traffic. This is illustrated in Appendix D.

Future projections of traffic volumes were also considered based on the City of Glenwood Springs traffic counts of 5,500 ADT and the likelihood that the Midland Alternate route from West Glenwood Springs will extend south beyond Cardiff Glen PUD. It was assumed that approximately 3,300 ADT will occur in morning traffic traveling eastbound and approximately 3,300 ADT will occur in afternoon traffic traveling westbound. These numbers were based on the proportion of total traffic observed traveling east and west during the AM peak hour and PM peak hour actual traffic counts, of which approximately 60% of total traffic in AM was eastbound and 60% of total PM traffic was westbound.

It is estimated that 10% of the total ADT is associated to the AM and PM peak traffic volumes. Under this assumption, including the inception of the Midland Alternate route south of Cardiff Glen PUD, the AM peak hour traffic traveling eastbound would be approximately 330 vehicle trips. The PM peak hour traffic traveling westbound would also be 330 vehicle trips. These numbers are illustrated in Appendix E.

CONCLUSIONS

As a benchmark to base any conclusions on, first the traffic conditions were analyzed using FHWA Highway Capacity Manual software to determine the Level of Service along Midland Avenue after final development. This was accomplished by using the anticipated traffic counts generated for the projected land use, shown in Figure 1, along with the existing traffic counts to determine post-development Levels Of Service (LOS). These results are included in Appendix F. With this completed, a LOS analysis of the 20-year projected traffic was performed and appears in Appendix G. Finally, a LOS analysis was performed on future conditions based on the likelihood that the Midland Alternate route from West Glenwood Springs will extend south of Cardiff Glen PUD. Actual traffic counts received from the City of Glenwood Springs were used in this analysis (see Appendix H). The results of the three LOS analyses are tabulated below.

Intersection/Movement	AM pk develop.	PM pk develop.	AM pk 2019	PM pk 2019	AM pk future	PM pk future
<u>Clark Street & Midland</u>						
southbound, left turn	A	A	A	A	B	B
southbound, right turn	A	A	A	A	A	A
eastbound, left turn	A	A	A	A	A	A
<u>Morgan St. & Midland</u>						
southbound, left turn	A	A	A	A	B	B
southbound, right turn	A	A	A	A	A	A
eastbound, left turn	A	A	A	A	A	A

The proposed development of Cardiff Glen PUD will not significantly impact the level of service to traffic utilizing Midland Avenue (County Road 116). It maintains a LOS of "A" for all movements after construction build-out is complete, which is anticipated to occur in five years. Midland Avenue will maintain this LOS for all movements except for southbound left turns (an LOS of "B"), should the Midland Alternate route be extended south of Cardiff Glen PUD.

RECOMMENDATIONS

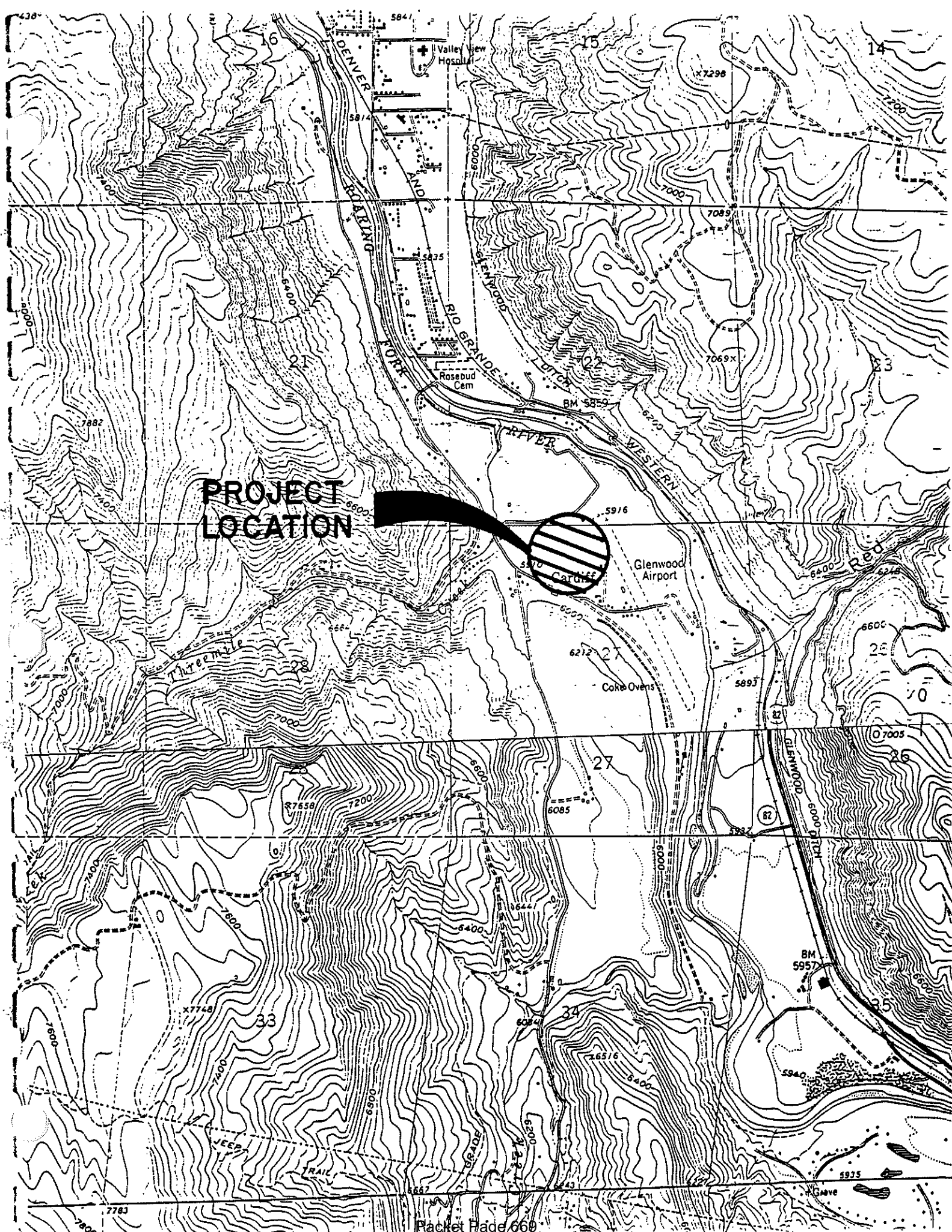
According to City of Glenwood Springs staff, Midland Avenue is scheduled for roadway improvements in the future. Improvements will consist of 2 - 12 foot paved travel lanes, one each direction, with 6 foot paved shoulders. An analysis was also performed to check the possible requirement for eastbound left-turn and westbound right-turn deceleration lanes into Cardiff Glen PUD.

A left-turn deceleration lane for eastbound vehicles at both the Clark Street and Morgan Street intersections with Midland Avenue will be needed if the Midland Alternate route from West Glenwood Springs is extended south of Cardiff Glen PUD. This is concluded

by using a "left turns in peak hour" rate of 30 (Clark St.) and 38 (Morgan St.) and a "DHV per single lane" rate of 220 with Figure 5, Appendix 11.6 of the City of Grand Junction's Transportation Engineering Design Standards manual. These three traffic rates are shown on the "PM Peak Hour, Future Conditions" sketch for these intersections in Appendix I along with Figure 5. The LOS calculations for these intersections were run excluding this left turn lane to illustrate the "worst-case" scenario.

The requirement of a right-turn deceleration lane on Midland Avenue east of the Clark Street and Morgan Street intersections was also studied. Using a "right turns in peak hour" rate of 20 (Clark St.) and 26 (Morgan St.) and a "total peak hour approach volume" of 330 with Figure 2, Appendix 11.6 of the City of Grand Junction's Transportation Engineering Design Standards manual, this right-turn deceleration lane was not required. These three traffic rates are also shown on the "PM Peak Hour, Future Conditions" sketch that is included in Appendix I along with Figure 2.

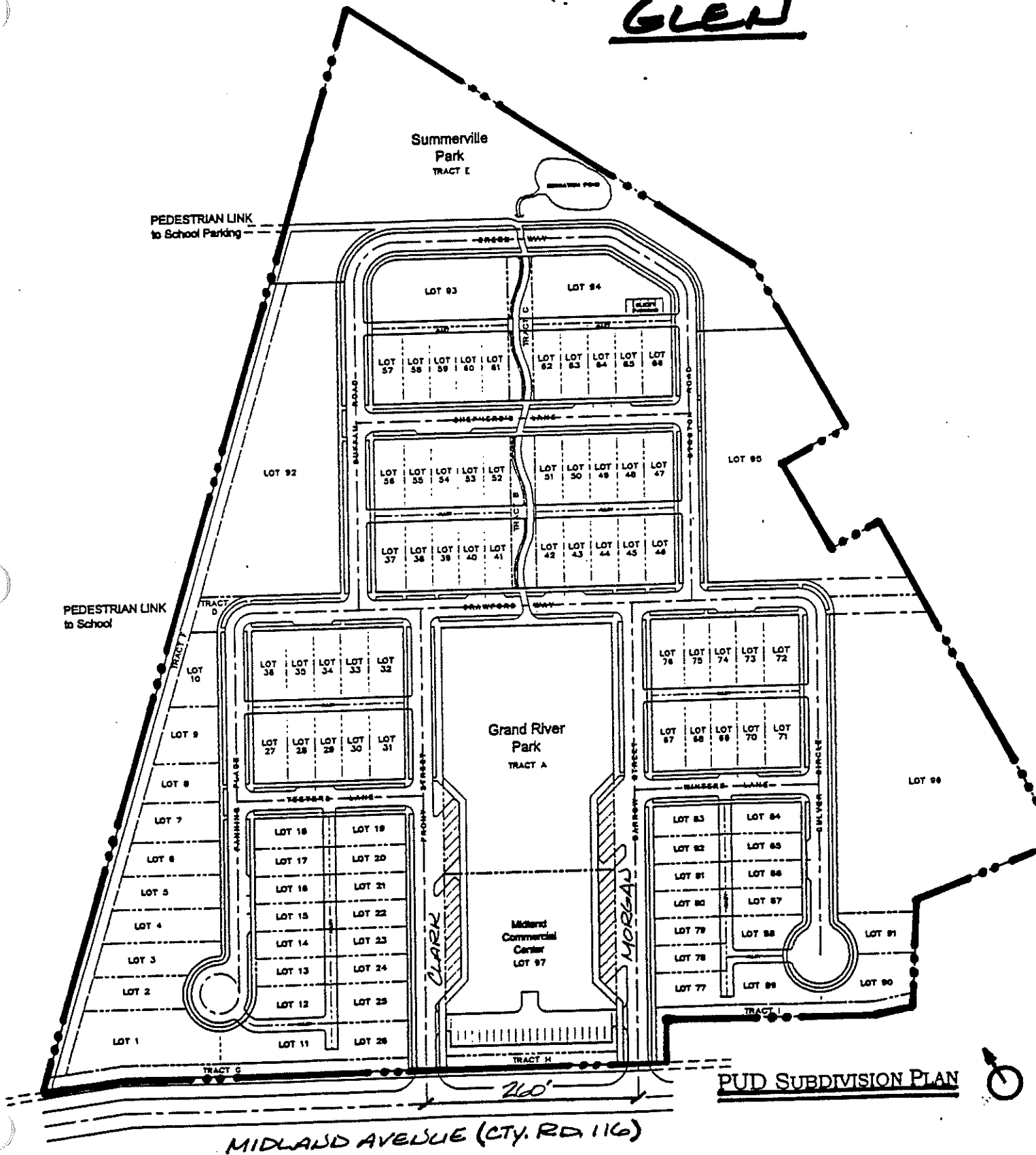
APPENDIX A



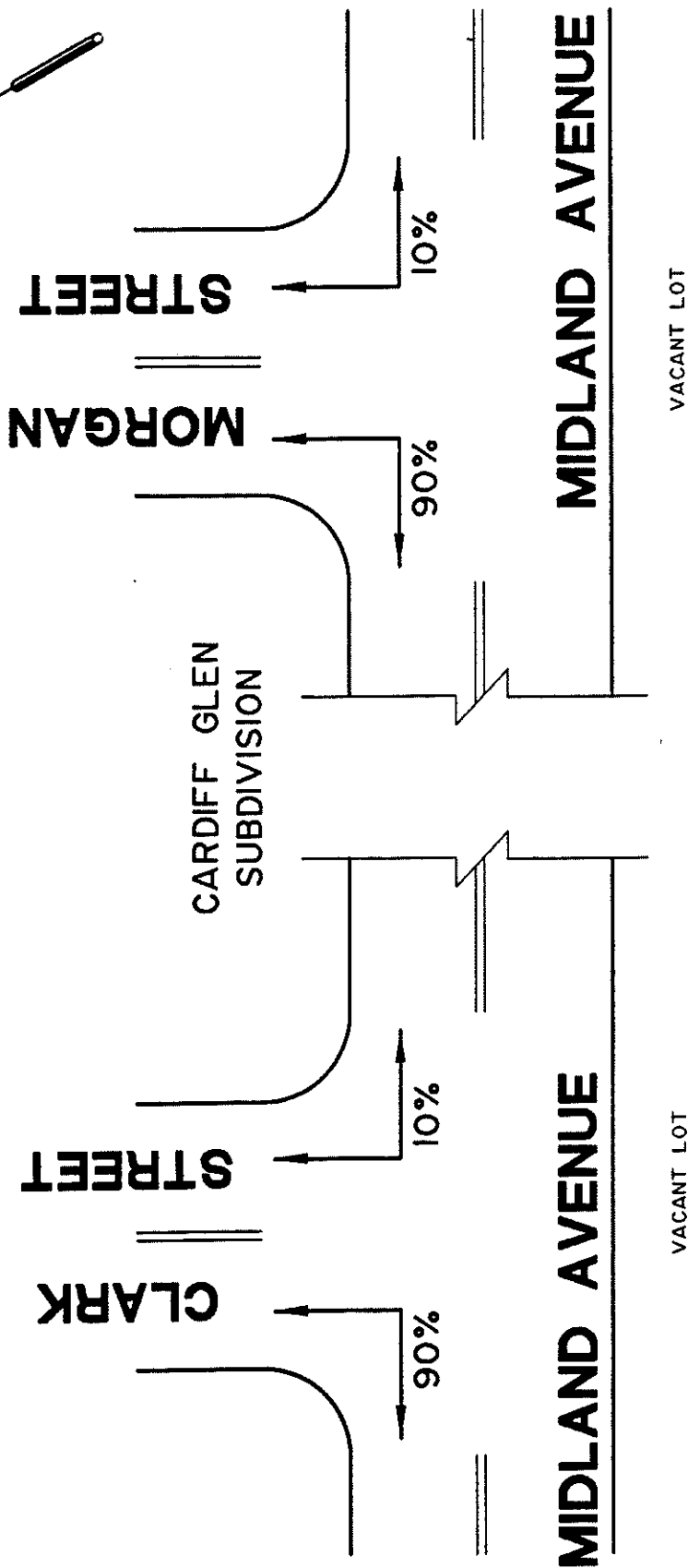
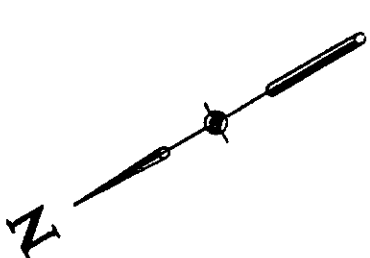
PROJECT
LOCATION

CARDIFF

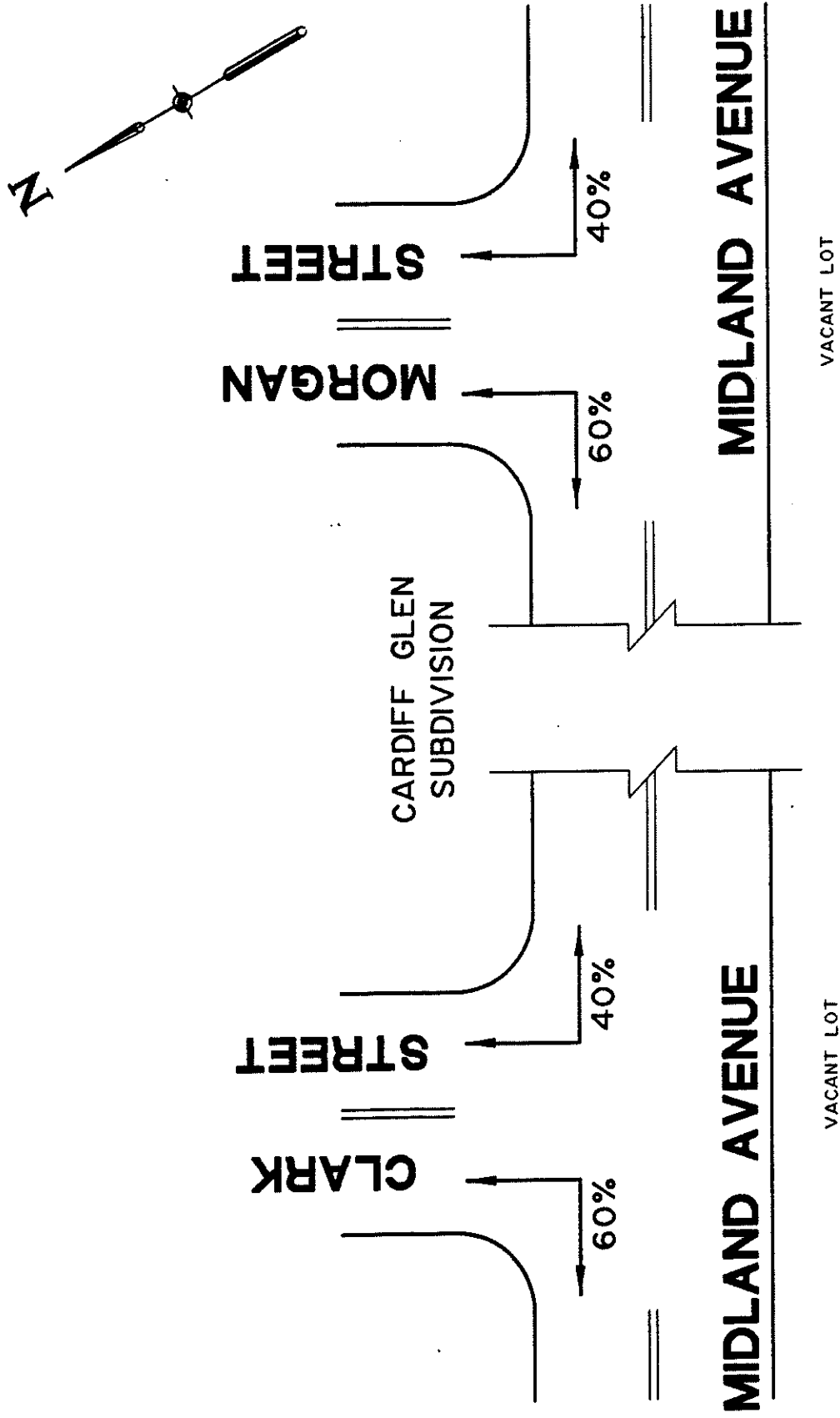
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APPENDIX B

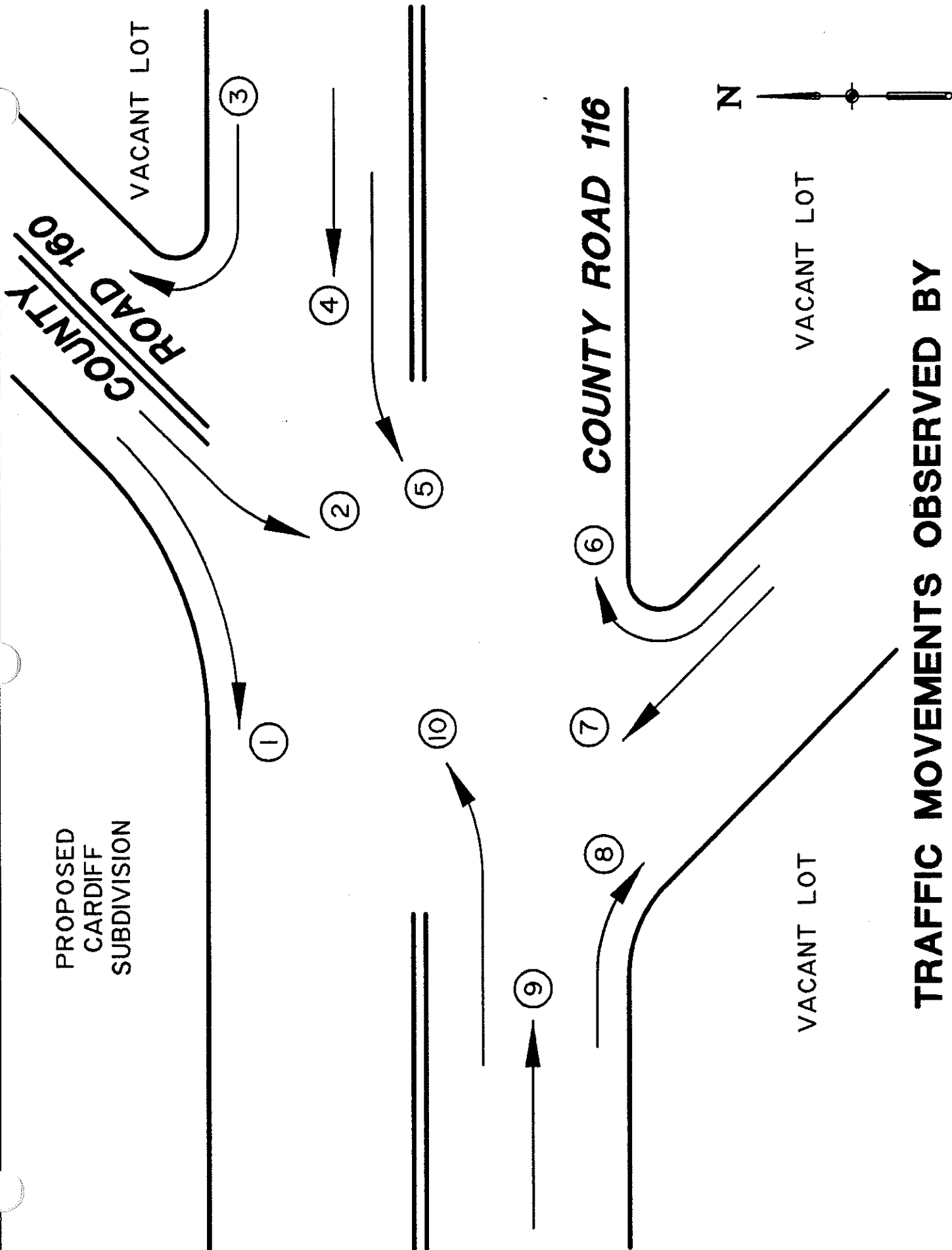


DISTRIBUTION OF SITE GENERATED TRAFFIC **DEVELOPED**



DISTRIBUTION OF SITE GENERATED TRAFFIC **FUTURE**

APPENDIX C



**TRAFFIC MOVEMENTS OBSERVED BY
BANNER ASSOCIATES, INC.**

CARDIFF SUBDIVISION
GLENWOOD SPRINGS, COLO

JOB NO. 8374-04
SEPTEMBER 30, 1998
4:00 PM TO 6:00 PM

INTERSECTION VOLUME COUNT

TIME MOVMT	4:00-4:15	4:15-4:30	4:30-4:45	4:45-5:00	5:00-5:15	5:15-5:30	5:30-5:45	5:45-6:00	TOTAL
1	1	3	3	1	5	7	4	5	29
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	5	4	10	4	4	10	7	4	51
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	8	6	6	3	5	3	6	4	41
10	0	1	1	4	4	4	2	1	17
							GRAND	TOTAL	138

CARDIFF SUBDIVISION
GLENWOOD SPRINGS, COLO

JOB NO. 8374-04
OCTOBER 1, 1998
7:00 AM TO 9:00 AM

INTERSECTION VOLUME COUNT

TIME MOVMT	7:00-7:15	7:15-7:30	7:30-7:45	7:45-8:00	8:00-8:15	8:15-8:30	8:30-8:45	8:45-9:00	TOTAL
1	2	0	1	2	3	3	3	2	16
2	0	0	0	0	0	0	0	1	1
3	0	0	0	0	0	0	0	0	0
4	4	3	7	6	7	3	2	0	32
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	7	2	2	4	4	2	2	23
10	2	4	7	7	1	0	0	2	23
							GRAND	TOTAL	95

JOB NO. 8374-04
OCTOBER 1, 1998
4:00 PM TO 6:00 PM

CARDIFF SUBDIVISION
GLENWOOD SPRINGS, COLO

INTERSECTION VOLUME COUNT

TIME MOVMT	4:00-4:15	4:15-4:30	4:30-4:45	4:45-5:00	5:00-5:15	5:15-5:30	5:30-5:45	5:45-6:00	TOTAL
1	2	1	6	3	10	0	1	1	23
2	0	0	0	0	0	0	0	0	0
3	0	0	1	0	0	0	0	0	1
4	3	5	9	8	9	8	4	8	54
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	3	4	2	1	6	3	4	4	27
10	4	0	3	1	0	0	1	1	9
							GRAND	TOTAL	114

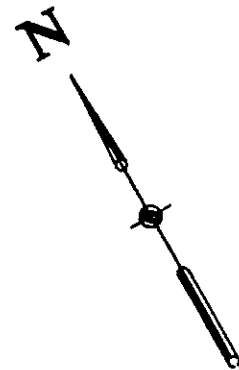
12 10 21 18 25 11 10 14 9

JOB NO. 8374-04
OCTOBER 2, 1998
7:00 AM TO 9:00 AM

CARDIFF SUBDIVISION
GLENWOOD SPRINGS, COLO

INTERSECTION VOLUME COUNT

TIME MOVMT	7:00-7:15	7:15-7:30	7:30-7:45	7:45-8:00	8:00-8:15	8:15-8:30	8:30-8:45	8:45-9:00	TOTAL
1	1	1	4	2	3	5	5	1	22
2	0	0	1	0	0	0	0	0	1
3	0	0	1	0	0	0	1	0	2
4	2	6	4	5	7	3	7	3	39
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	4	3	2	7	10	4	4	4	43
10	2	6	10	4	5	1	2	2	32
							GRAND	TOTAL	139



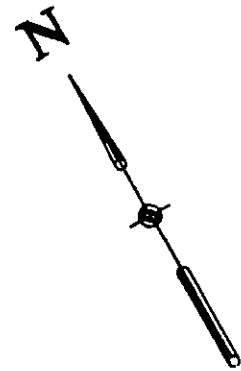
CARDIFF GLEN
SUBDIVISION

← 34

MIDLAND AVENUE

→ 52

AM PEAK HOUR CONDITIONS
EXISTING



CARDIFF GLEN
SUBDIVISION

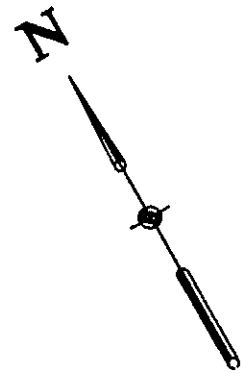
← 52

MIDLAND AVENUE

→ 30

PM PEAK HOUR CONDITIONS
EXISTING

APPENDIX D



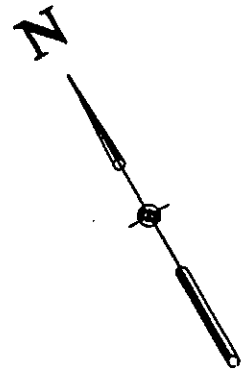
CARDIFF GLEN
SUBDIVISION



MIDLAND AVENUE



AM PEAK HOUR CONDITIONS
20-YEAR PROJECTION



CARDIFF GLEN
SUBDIVISION

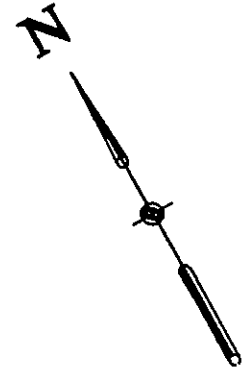
← 78

MIDLAND AVENUE

→ 45

PM PEAK HOUR CONDITIONS
20-YEAR PROJECTION

APPENDIX E



CARDIFF GLEN
SUBDIVISION

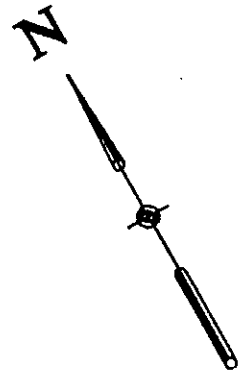
← 220

MIDLAND AVENUE

→ 330

THESE NUMBERS ARE BASED ON FUTURE PROJECTIONS AND THE
LIKELIHOOD THAT THE MIDLAND ALTERNATE ROUTE FROM WEST
GLENWOOD SPRINGS WILL EXTEND SOUTH BEYOND CARDIFF GLEN
SUBDIVISION.

AM PEAK HOUR CONDITIONS
FUTURE



CARDIFF GLEN
SUBDIVISION

← 330

MIDLAND AVENUE

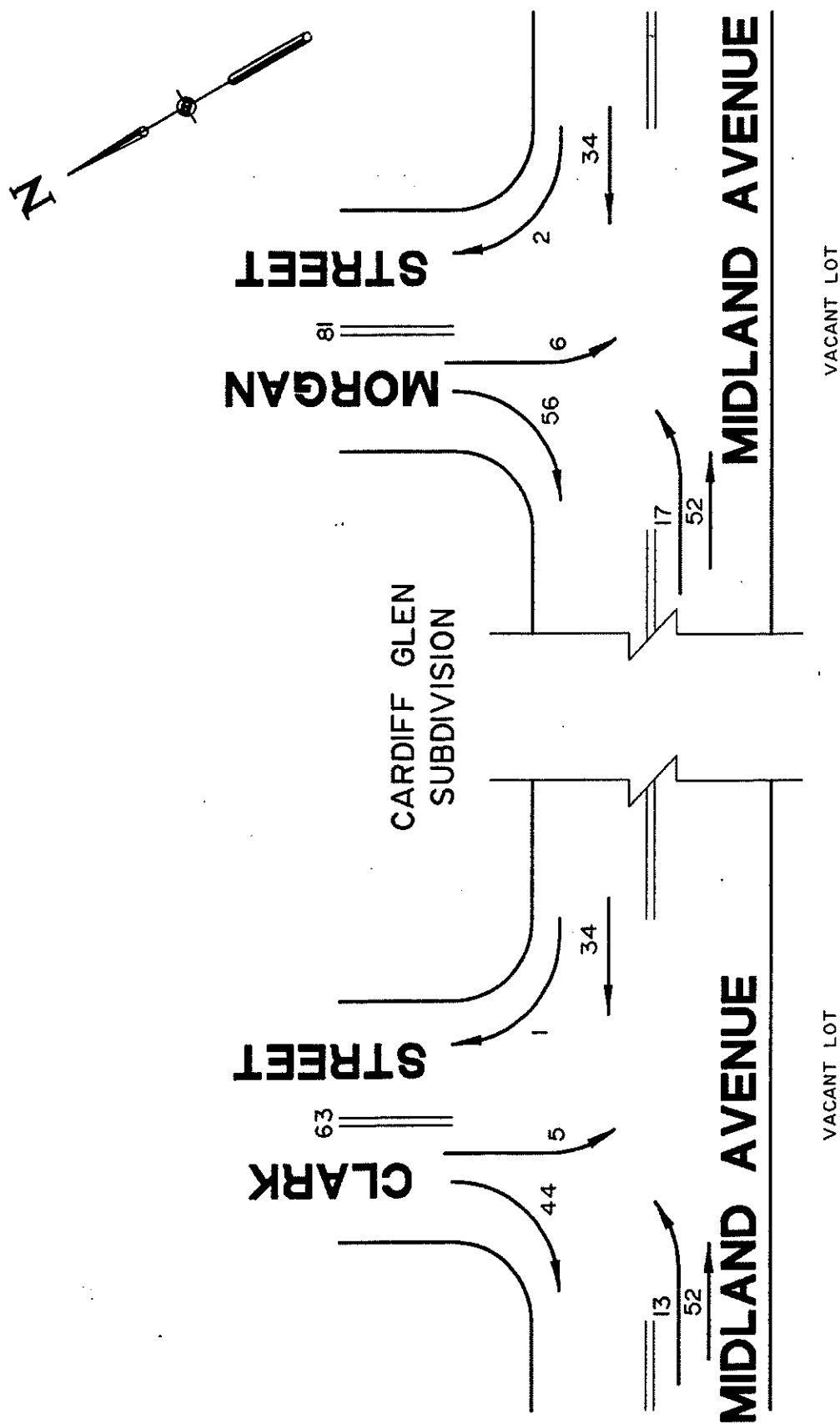
→ 220

THESE NUMBERS ARE BASED ON FUTURE PROJECTIONS AND THE
LIKELIHOOD THAT THE MIDLAND ALTERNATE ROUTE FROM WEST
GLENWOOD SPRINGS WILL EXTEND SOUTH BEYOND CARDIFF GLEN
SUBDIVISION.

PM PEAK HOUR CONDITIONS
FUTURE

APPENDIX F

AM PEAK HOUR DEVELOPED CONDITIONS



1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 30

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 8000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK HR, DEVELOPED

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	13	0	--	5
THRU	52	90	--	0
RIGHT	0	1	--	44

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	2	0	2
WESTBOUND	2	0	2
NORTHBOUND	---	---	---
SOUTHBOUND	0	0	2

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.50	5.50	0.00	5.50
MAJOR LEFTS EB	5.00	5.00	0.00	5.00
MINOR LEFTS SB	6.50	6.50	0.00	6.50

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET						
SB LEFT	5	765	759	> 965	759 > 916	754 > A
RIGHT	44	995	995	>	995 >	952 > A
MAJOR STREET						
EB LEFT	13	1000	1000		1000	987 A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 30

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 8000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK HR, DEVELOPED

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	17	0	--	6
THRU	57	34	--	0
RIGHT	0	2	--	56

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	2	0	2
WESTBOUND	2	0	2
NORTHBOUND	---	---	---
SOUTHBOUND	0	0	2

CRITICAL GAPS

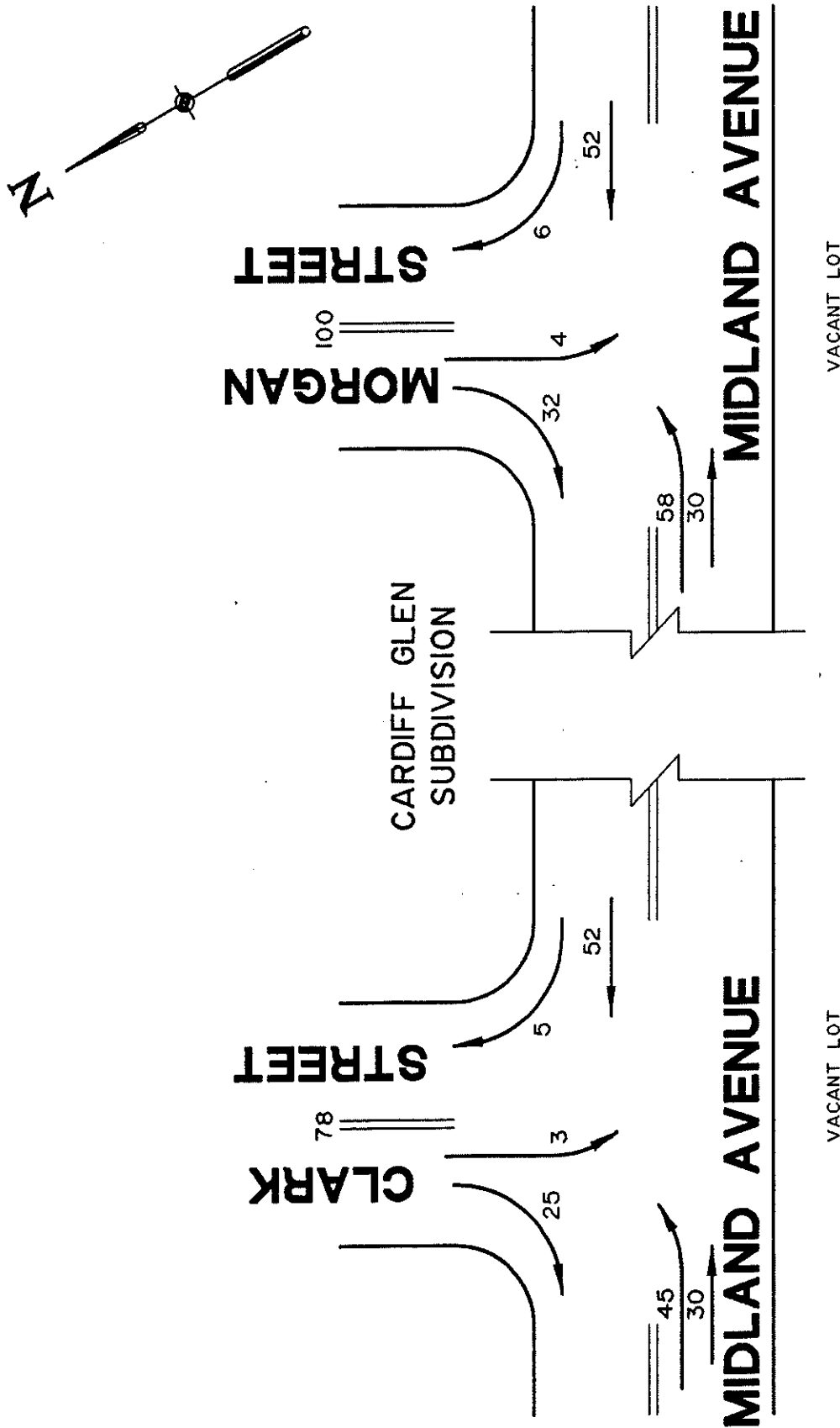
		TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS	SB	5.50	5.50	0.00	5.50
MAJOR LEFTS	EB	5.00	5.00	0.00	5.00
MINOR LEFTS	SB	6.50	6.50	0.00	6.50

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET						
SB LEFT	6	811	803	>	803	>
				>	975	>
RIGHT	55	998	998	>	998	>
						914
						797 > A
						943 > A
MAJOR STREET						
EB LEFT	17	1000	1000		1000	983 A

PM PEAK HOUR DEVELOPED CONDITIONS



1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 30

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 8000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK HR, DEVELOPED

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	45	0	--	3
THRU	30	84	--	0
RIGHT	0	5	--	25

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	2	0	2
WESTBOUND	2	0	2
NORTHBOUND	---	---	---
SOUTHBOUND	0	0	2

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.50	5.50	0.00	5.50
MAJOR LEFTS EB	5.00	5.00	0.00	5.00
MINOR LEFTS SB	6.50	6.50	0.00	6.50

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH		RESERVE CAPACITY c = c - v R SH		LOS
	-----	-----	-----	-----	-----	-----	-----	---
MINOR STREET								
SB LEFT	3	759	738	>	738	>	735	> A
				>	960	>	932	> A
RIGHT	25	996	996	>	996	>	971	> A
MAJOR STREET								
EB LEFT	45	1000	1000		1000		955	A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 30

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 8000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK HR, DEVELOPED

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	58	0	--	4
THRU	33	52	--	0
RIGHT	0	6	--	32

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	2	0	2
WESTBOUND	2	0	2
NORTHBOUND	---	---	---
SOUTHBOUND	0	0	2

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.50	5.50	0.00	5.50
MAJOR LEFTS EB	5.00	5.00	0.00	5.00
MINOR LEFTS SB	6.50	6.50	0.00	6.50

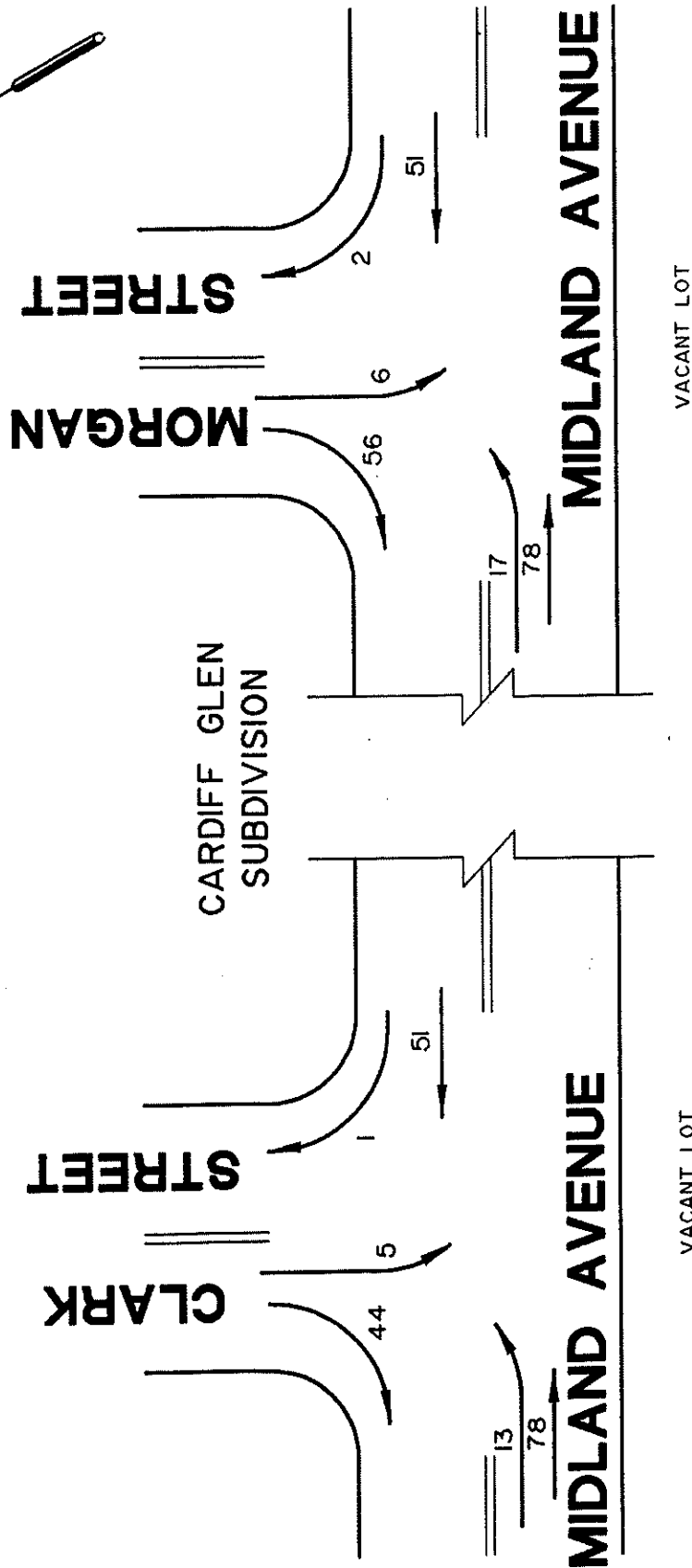
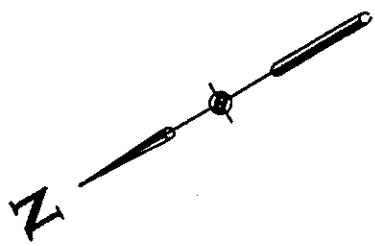
CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS			

MINOR STREET									
SB LEFT	4	774	747	>	747	>	743	>	A
				>	961	>	926	>	A
RIGHT	32	997	997	>	997	>	966	>	A
MAJOR STREET									
EB LEFT	58	1000	1000		1000		942		A

APPENDIX G



AM PEAK HOUR **20-YEAR PROJECTION**

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK HR, 20-YR PROJ

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	13	0	--	5
THRU	78	107	--	0
RIGHT	0	1	--	44

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	-----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	6	4	6
WESTBOUND	6	4	6
NORTHBOUND	---	---	---
SOUTHBOUND	4	0	6

CRITICAL GAPS

		TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS	SB	5.70	5.70	0.00	5.70
MAJOR LEFTS	EB	5.10	5.10	0.00	5.10
MINOR LEFTS	SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v(pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M		SHARED CAPACITY c (pcph) SH		RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET								
SB LEFT	5	661	656	>	656	>	651	> A
				>	939	>	890	>A
RIGHT	44	987	987	>	987	>	944	> A
MAJOR STREET								
EB LEFT	14	999	999		999		985	A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK HR, 20-YR PROJ

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	17	0	--	6
THRU	83	51	--	0
RIGHT	0	2	--	56

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	-----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	6	4	6
WESTBOUND	6	4	6
NORTHBOUND	---	---	---
SOUTHBOUND	4	0	6

CRITICAL GAPS

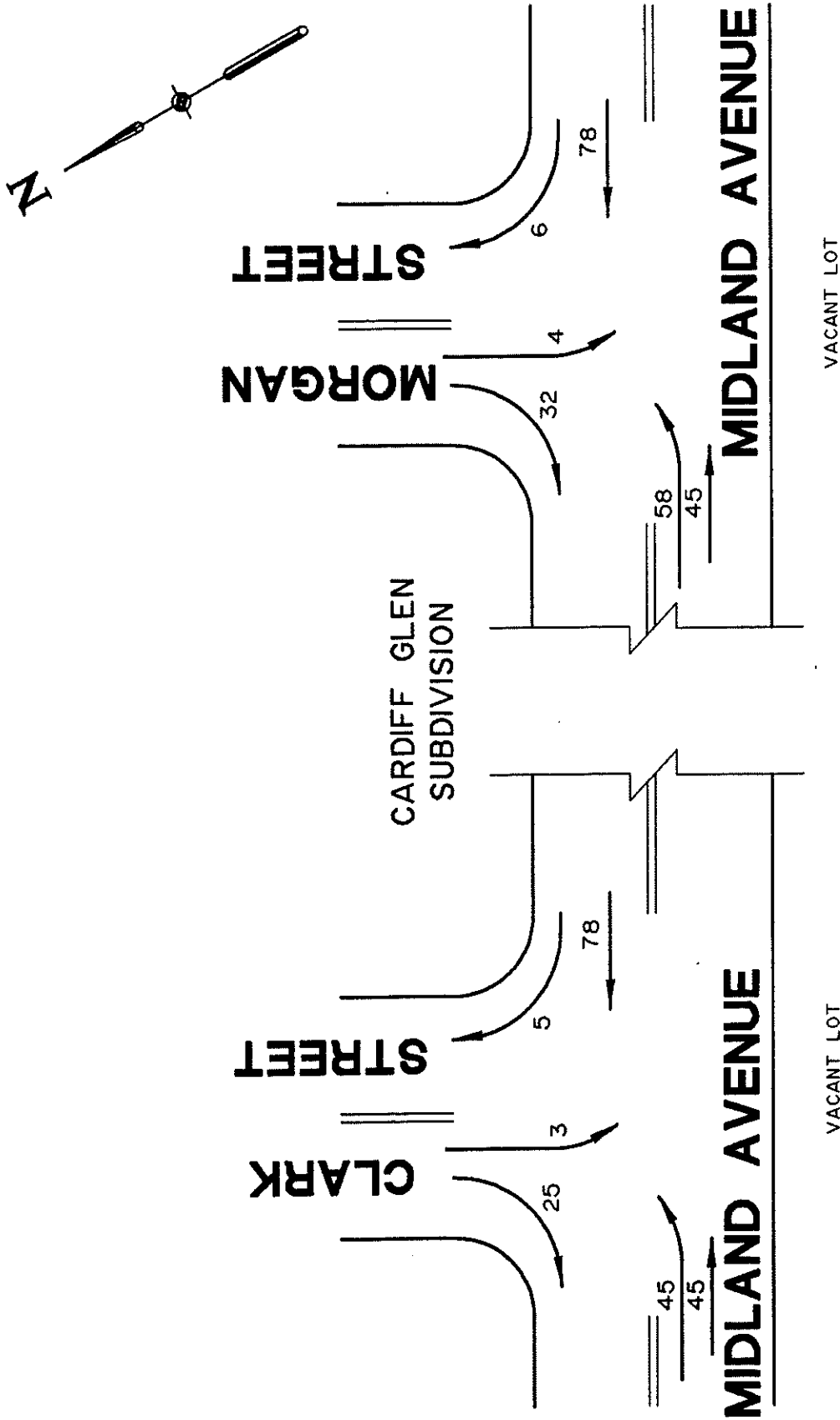
	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET						
SB LEFT	6	706	698	> 698	> 692	> A
				> 958	> 896	> A
RIGHT	55	997	997	> 997	> 942	> A
MAJOR STREET						
EB LEFT	18	1000	1000	1000	982	A

**PM PEAK HOUR
20-YEAR PROJECTION**



1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK HR, 20-YR PROJ

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	45	0	--	3
THRU	45	110	--	0
RIGHT	0	5	--	25

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	6	4	6
WESTBOUND	6	4	6
NORTHBOUND	---	---	---
SOUTHBOUND	4	0	6

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M		SHARED CAPACITY c (pcph) SH		RESERVE CAPACITY c = c - v R SH		LOS
	-----	-----	-----		-----		-----		----
MINOR STREET									
SB LEFT	3	658	639	>	639	>	637	>	A
				>	929	>	901	>	A
RIGHT	25	982	982	>	982	>	957	>	A
MAJOR STREET									
EB LEFT	47	998	998		998		951		A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK HR, 20-YR PROJ

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	58	0	--	4
THRU	48	78	--	0
RIGHT	0	6	--	32

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	-----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	6	4	6
WESTBOUND	6	4	6
NORTHBOUND	---	---	---
SOUTHBOUND	4	0	6

CRITICAL GAPS

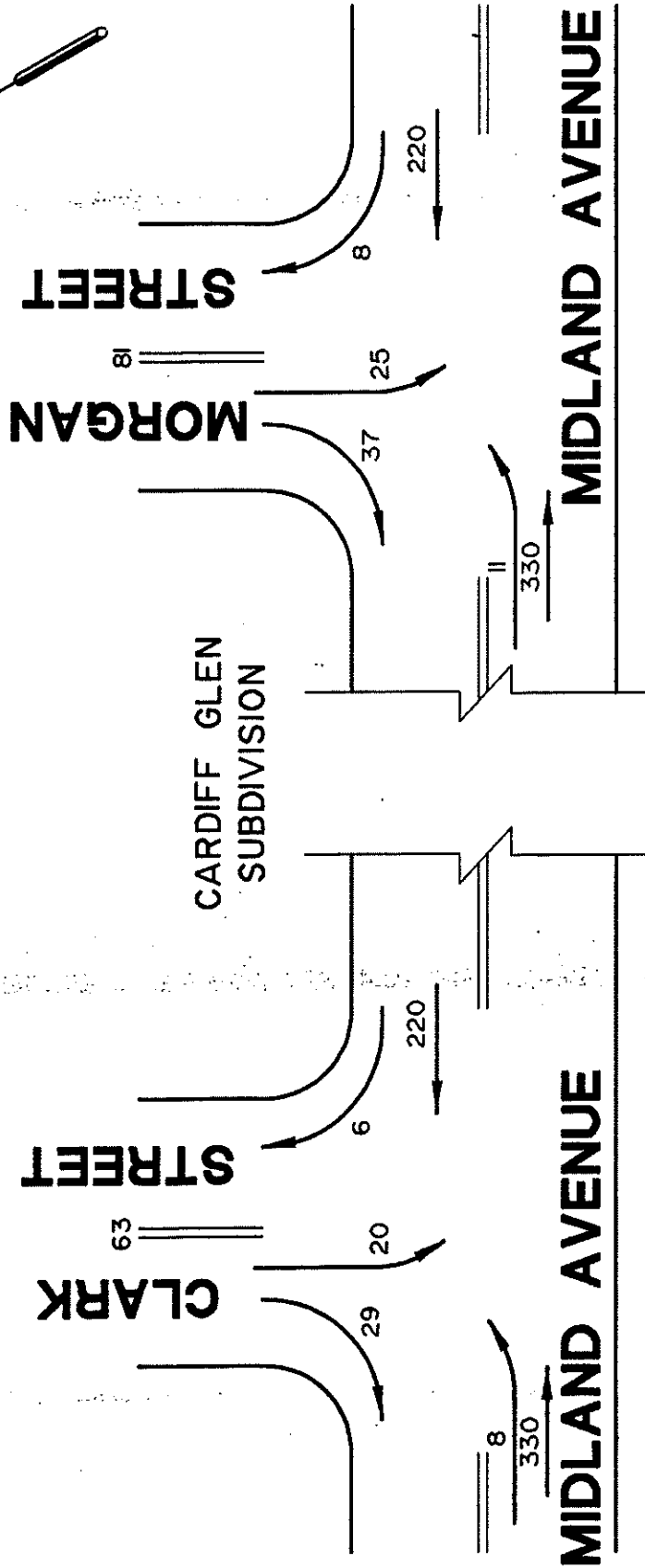
	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS				
SB	5.70	5.70	0.00	5.70
MAJOR LEFTS				
EB	5.10	5.10	0.00	5.10
MINOR LEFTS				
SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v(pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M		SHARED CAPACITY c (pcph) SH		RESERVE CAPACITY c = c - v R SH		LOS
MINOR STREET									
SB LEFT	4	672	648	>	648	>	644	>	A
				>	940	>	904	>	A
RIGHT	32	996	996	>	996	>	964	>	A
MAJOR STREET									
EB LEFT	60	1000	1000		1000		940		A

APPENDIX H



AM PEAK HOUR FUTURE CONDITIONS

BASED ON MIDLAND ALTERNATIVE ROUTE.

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK, MID. ALT. RT.

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	8	0	--	20
THRU	330	257	--	0
RIGHT	0	6	--	29

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	-----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	10	10	10
WESTBOUND	10	10	10
NORTHBOUND	---	---	---
SOUTHBOUND	5	0	6

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS			

MINOR STREET									
SB LEFT	20	371	369	>	369	>	349	>	B
				>	550	>	501	>	A
RIGHT	29	830	830	>	830	>	801	>	A
MAJOR STREET									
EB LEFT	9	925	925		925		916		A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

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NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... AM PK, MID. ALT. RT.

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	11	0	--	25
THRU	350	220	--	0
RIGHT	0	8	--	37

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	10	10	10
WESTBOUND	10	10	10
NORTHBOUND	---	---	---
SOUTHBOUND	5	0	6

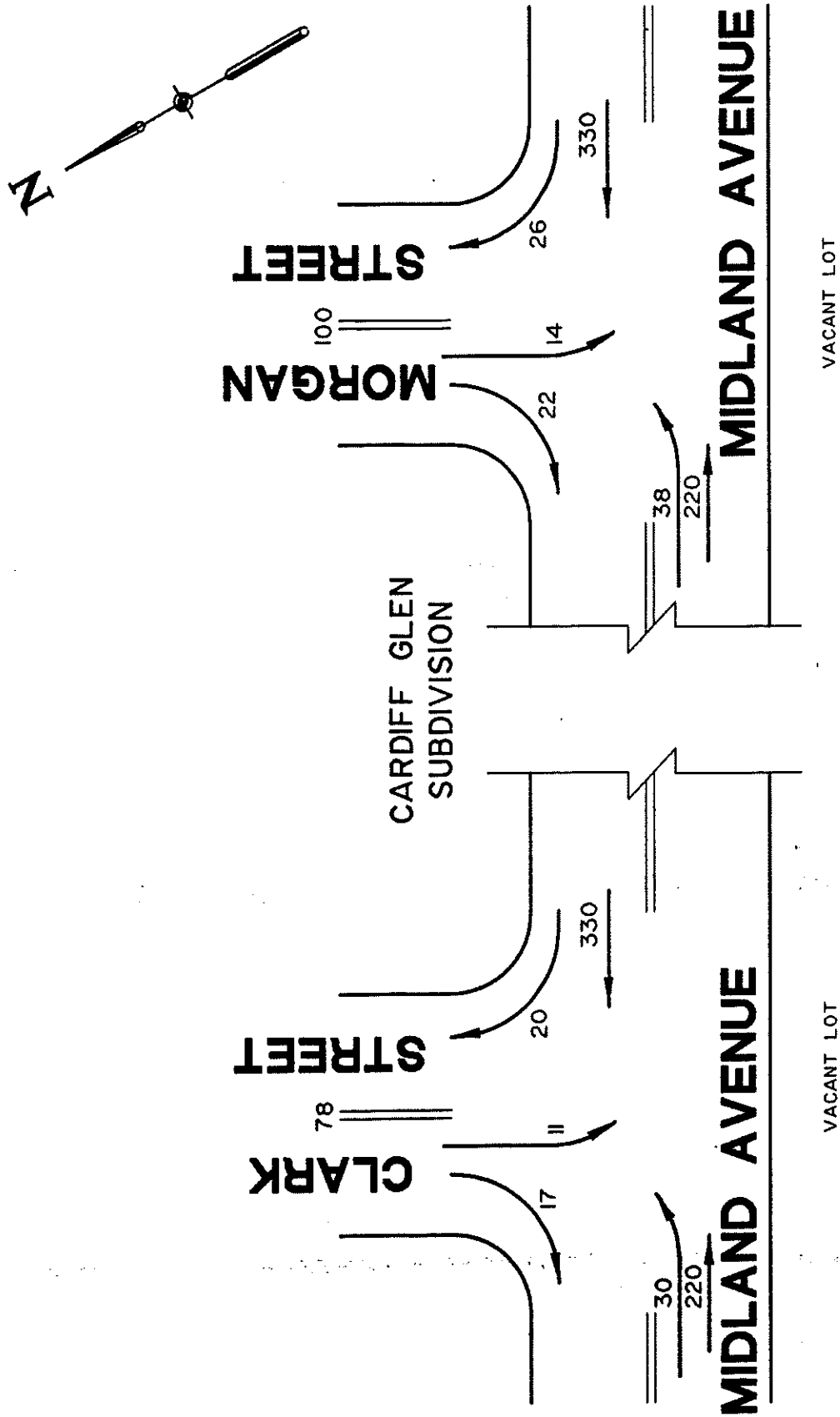
CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET						
SB LEFT	25	380	377	>	377	> B
				> 568	> 507	> A
RIGHT	37	866	866	>	866	> A
MAJOR STREET						
EB LEFT	12	958	958		958	946 A



**PM PEAK HOUR
FUTURE CONDITIONS**
BASED ON MIDLAND ALTERNATIVE ROUTE.

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... CLARK STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK, MID. ALT. RT.

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
	----	----	----	----
LEFT	30	0	--	11
THRU	220	352	--	0
RIGHT	0	20	--	17

NUMBER OF LANES

	EB	WB	NB	SB
	----	----	----	----
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	-----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	10	10	10
WESTBOUND	10	10	10
NORTHBOUND	---	---	---
SOUTHBOUND	5	0	6

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

Page-3

MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M	SHARED CAPACITY c (pcph) SH	RESERVE CAPACITY c = c - v R SH	LOS
MINOR STREET						
SB LEFT	11	364	355	>	355	> B
				> 517	> 489	> A
RIGHT	17	734	734	>	734	> A
MAJOR STREET						
EB LEFT	33	822	822		822	789 A

1985 HCM: UNSIGNALIZED INTERSECTIONS

Page-1

IDENTIFYING INFORMATION

AVERAGE RUNNING SPEED, MAJOR STREET..... 35

PEAK HOUR FACTOR..... 1

AREA POPULATION..... 12000

NAME OF THE EAST/WEST STREET..... MIDLAND AVENUE

NAME OF THE NORTH/SOUTH STREET..... MORGAN STREET

NAME OF THE ANALYST..... BANNER ASSOCIATES

DATE OF THE ANALYSIS (mm/dd/yy)..... 3/15/99

TIME PERIOD ANALYZED..... PM PK, MID. ALT. RT.

INTERSECTION TYPE AND CONTROL

INTERSECTION TYPE: T-INTERSECTION

MAJOR STREET DIRECTION: EAST/WEST

CONTROL TYPE SOUTHBOUND: STOP SIGN

TRAFFIC VOLUMES

	EB	WB	NB	SB
LEFT	38	0	--	14
THRU	231	330	--	0
RIGHT	0	26	--	22

NUMBER OF LANES

	EB	WB	NB	SB
LANES	1	1	--	1

ADJUSTMENT FACTORS

Page-2

	PERCENT GRADE	RIGHT TURN ANGLE	CURB RADIUS (ft) FOR RIGHT TURNS	ACCELERATION LANE FOR RIGHT TURNS
EASTBOUND	0.00	90	20	N
WESTBOUND	0.00	90	20	N
NORTHBOUND	----	---	---	-
SOUTHBOUND	0.00	90	20	N

VEHICLE COMPOSITION

	% SU TRUCKS AND RV'S	% COMBINATION VEHICLES	% MOTORCYCLES
EASTBOUND	10	10	10
WESTBOUND	10	10	10
NORTHBOUND	---	---	---
SOUTHBOUND	5	0	6

CRITICAL GAPS

	TABULAR VALUES (Table 10-2)	ADJUSTED VALUE	SIGHT DIST. ADJUSTMENT	FINAL CRITICAL GAP
MINOR RIGHTS SB	5.70	5.70	0.00	5.70
MAJOR LEFTS EB	5.10	5.10	0.00	5.10
MINOR LEFTS SB	6.80	6.80	0.00	6.80

CAPACITY AND LEVEL-OF-SERVICE

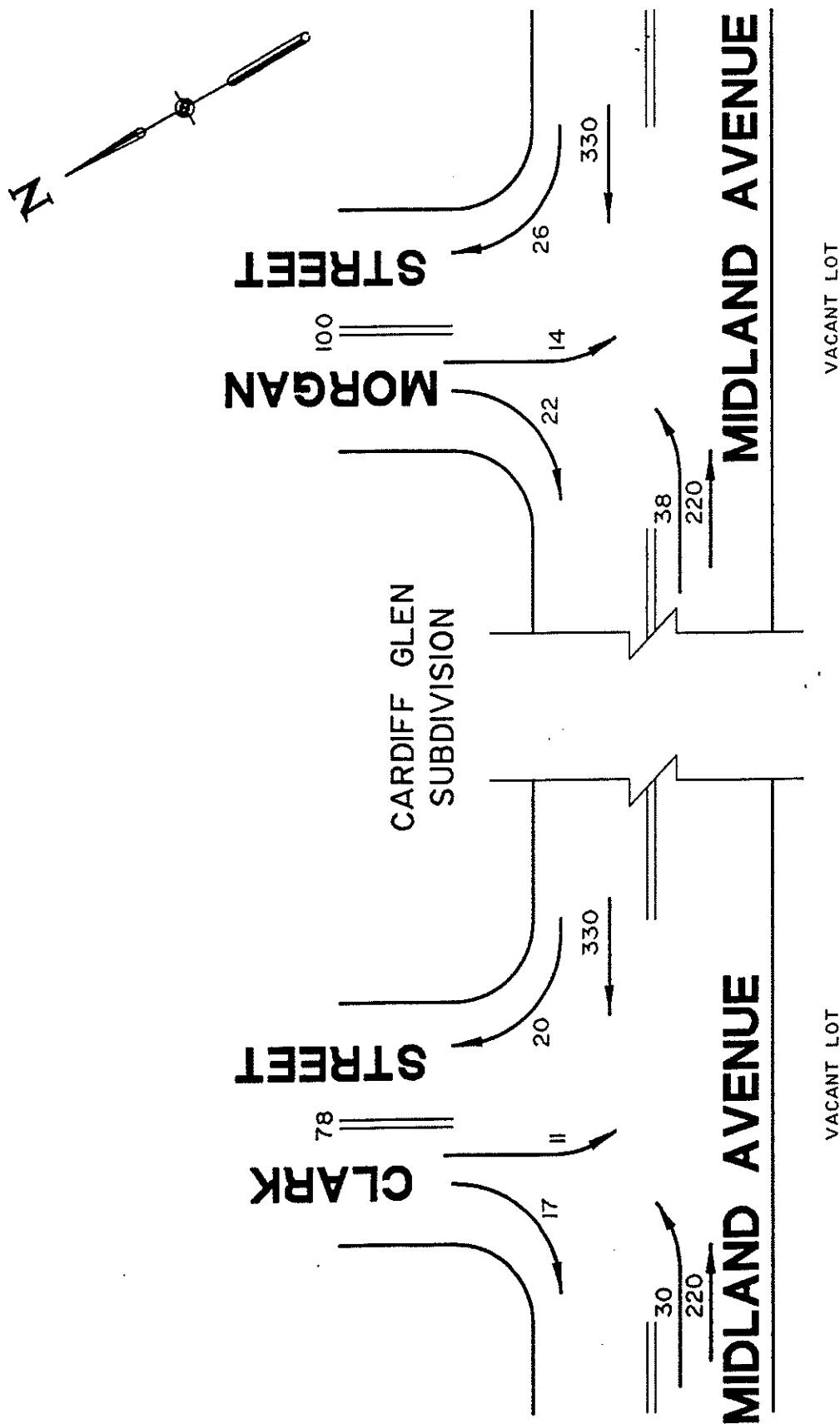
Page-3

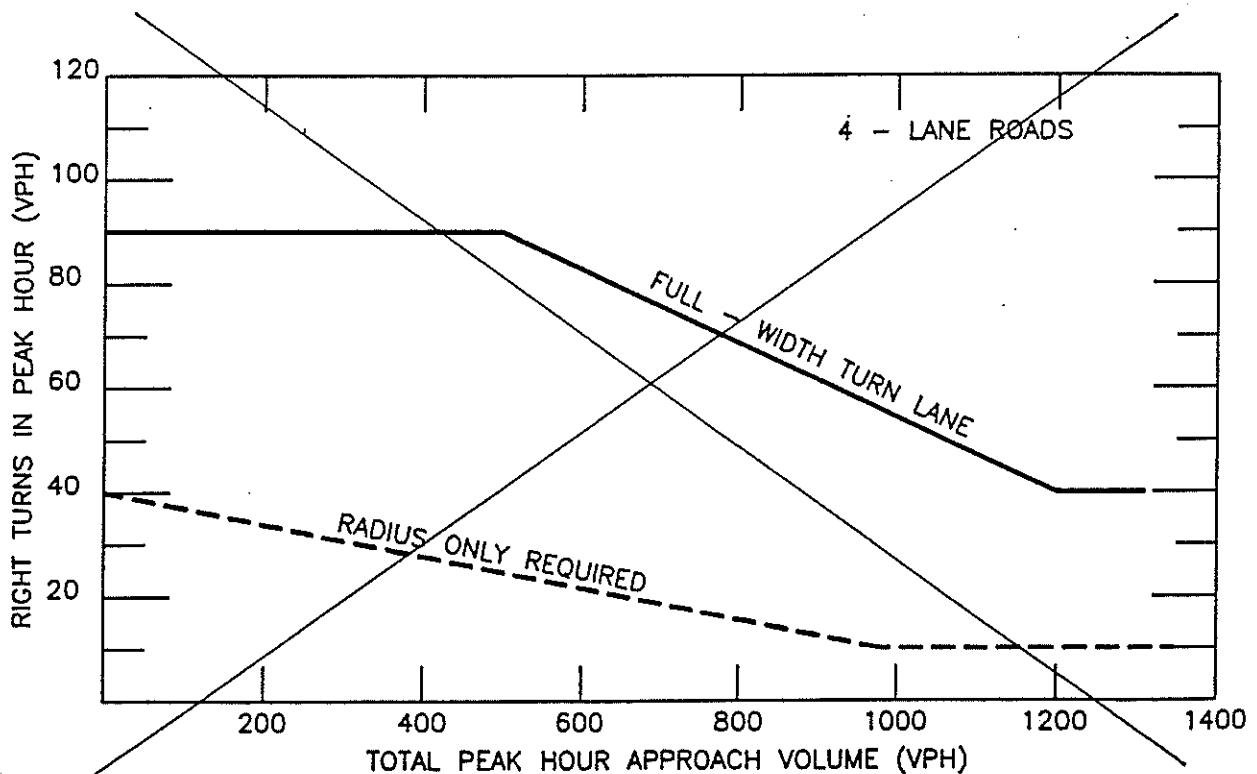
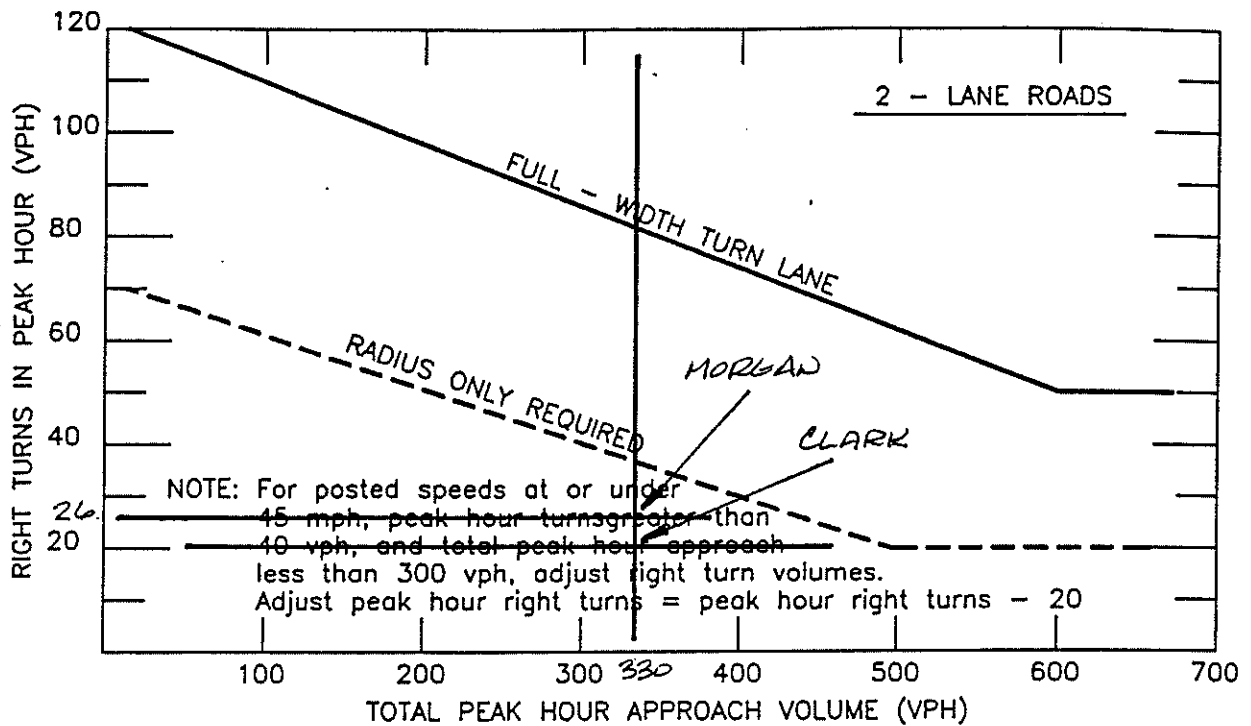
MOVEMENT	FLOW- RATE v (pcph)	POTEN- TIAL CAPACITY c (pcph) p	ACTUAL MOVEMENT CAPACITY c (pcph) M		SHARED CAPACITY c (pcph) SH		RESERVE CAPACITY c = c - v R SH		LOS

MINOR STREET									
SB LEFT	14	364	353	>	353	>	339	>	B
				>	522	>	486	>	A
RIGHT	22	751	751	>	751	>	729	>	A
MAJOR STREET									
EB LEFT	42	837	837		837		795		A

APPENDIX I

PM PEAK HOUR FUTURE CONDITIONS BASED ON MIDLAND ALTERNATIVE ROUTE.

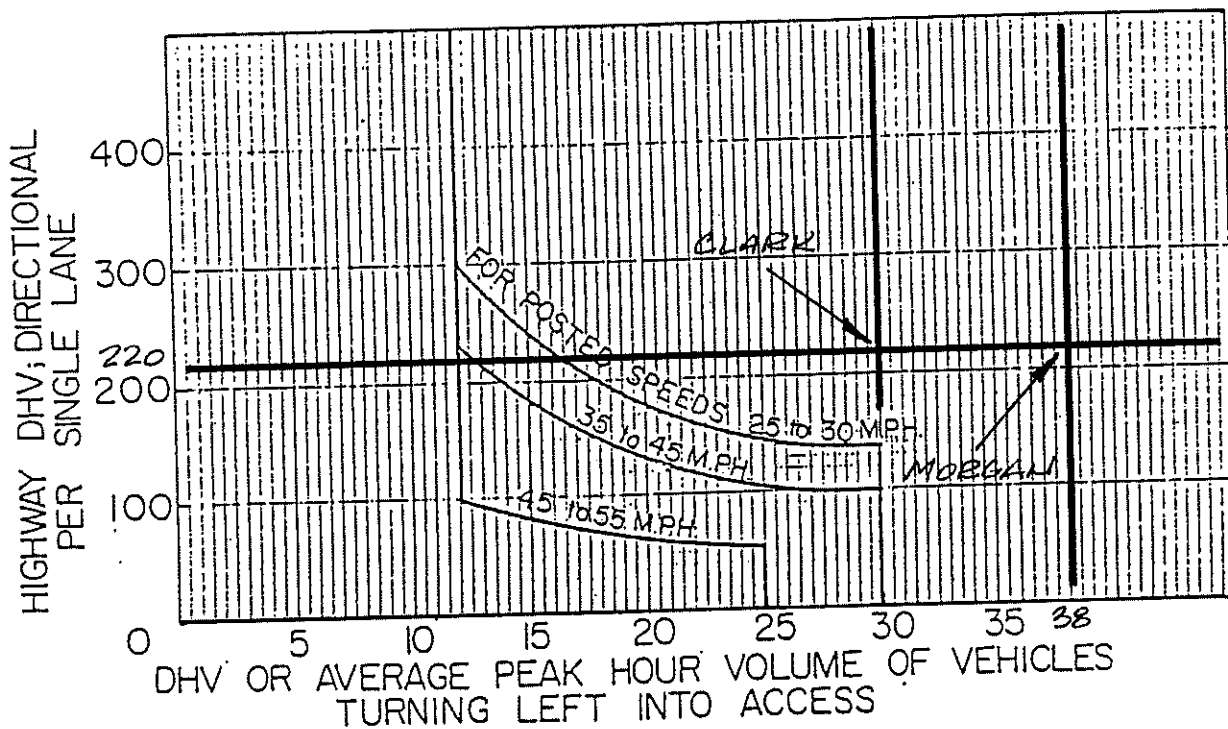




CITY OF GRAND JUNCTION
DEPARTMENT OF PUBLIC WORKS

VOLUME WARRANTS FOR RIGHT TURN
DECELERATION LANES ON CITY STREETS

FIGURE
2



STATE HIGHWAYS AND
CITY STREETS

CITY OF GRAND JUNCTION
DEPARTMENT OF PUBLIC WORKS

VOLUME WARRANTS FOR
LEFT-TURN DECELERATION LANES

FIGURE
5

MAJOR DRAINAGE REPORT

SOLSTICE TOWNHOMES

LOTS 95 & 96 CARDIFF GLEN P.U.D.

GLENWOOD SPRINGS, COLORADO

Prepared For:

**CARDIFF 96 LLC
PO BOX 3551
BASALT, COLORADO 81621**

Prepared By:

Hans E. Brucker, PE
Pinnacle Design Consulting Group, Inc.
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Carbondale, Colorado 81623

October 22, 2018

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Introduction / General Description

This drainage report has been prepared for the residential development of Lots 95 & 96 situated along the eastern portion of the Cardiff Glen P.U.D., a 22-acre residential development in Glenwood Springs, Colorado. Cardiff Glen is approximately 2 miles south of downtown Glenwood and is bordered to the north by the Glenwood Springs Airport, to the south by County Road 116 also known as Airport Road, and to the west by the Sopris Elementary School. The sites are located approximately 100 feet above the Roaring Fork River Basin, the ultimate receiving system for the project.

Lots 95 & 96 are generally mild sloping with grades of around 2% that pitch generally to the north and west. A portion of Lot 96 has historically sloped towards the east to an existing gravel access road that services the offices of Black Hills Energy. There is a hill located immediately to the south of Airport Road which eliminates any natural offsite drainage channels from discharging onto the property and thus stormwater drainage on the site is highly localized in nature. Both Lots were previously disturbed from construction activities associated with Cardiff Glen P.U.D. This resulted in non-native fill being placed on the middle portions of the Lots with sparse ground cover. However, around portions of the Lot perimeters, sage brush, native grasses, weeds, and fruit trees are still present. There are no wetlands or riparian areas located on the site.

Based on a geotechnical report prepared by HP Geotech in May 2007, soils on Lots 95 & 96 consist generally of clay with gravel and cobble fill overlying dense, slightly silty to silty sandy gravel with cobbles and boulders. Based on a recent percolation test (see Appendix), the underlying soils drained at a rate of 10 minutes per inch and appear to be consistent with NRCS hydrologic soil group B.

Project Description

The development plans for Lots 95 & 96 include the construction of 29 townhomes complete with paved access drives, parking areas, and sidewalks. The multi-family residential units will include four townhomes situated on Lot 95 with the remaining 25 to be constructed on Lot 96 (see Appendix and drainage plans for Lot boundary information and the proposed development design). The land use is consistent with the original approvals of the Cardiff Glen P.U.D.

Due to the residential unit density within the Cardiff Glen P.U.D., centralized stormwater detention was proposed and constructed to mitigate all of the increased impervious areas within the development in concert with a previous drainage study prepared by Banner Associates, Inc. (BAI) in March of 1999. The study utilized the “land use type” including single-family, multi-family, park, and commercial categories to arrive at final detention sizing determination. As part of the drainage study, the Cardiff Glen P.U.D. was partitioned into five (5) separate drainage basins. Lot 95 was included in Drainage Basin “A” and Lot 96 was included in Drainage Basin “B” (see Appendix for previous drainage basin locations). Based on the original drainage design and with the exception of the eastern portion of Lot 96, all stormwater from these Lots is essentially detained within the Cardiff Glen P.U.D. and is ultimately tributary to the Roaring Fork River Basin via infiltration.

Given the project location being located down-gradient of a hillside that is separated by Airport Road as well as by lower topographical areas, there are no offsite drainage basins or issues that will affect this property. Furthermore, there are no irrigation ditches in close proximity to the proposed development, nor is the property prone to flooding from the Roaring Fork River given that it is situated approximately 100 feet higher in elevation from the main channel, water elevation.

Both Lots 95 & 96 are situated on land that is undeveloped and aside from previous phone, cable tv and electric terminations that were installed in concert with the original Cardiff Glen P.U.D., there won't be any conflicts with existing utilities or constraints for existing street or structures.

It is estimated that construction will commence at the end of 2018 or beginning of 2019 and will end in the Fall of 2019. This will depend on permitting, entitlements, and weather conditions.

Drainage Analysis Methodology

As part of the development of Lots 95 and 96, we will analyze the tributary drainage that flows internal to the Cardiff Glen P.U.D. (where appropriate) in similar to the original BAI drainage study. In this case, they used the Modified Rational Method along with "land use" type to determine an appropriate runoff coefficient and associated peak flow rates. We, on the other hand, will use the Rational Methodology and calculate the percent imperviousness of each basin to provide more accurate runoff values based on the actual site plan design.

For Lots 95 and 96 Banner used a 25-year runoff coefficient of 0.60 for Multi-family based on accepted ranges of "C" and based on the soil conditions for the site. Since Lots 95 and 96 are being proposed as Multi-family under the current development plans, the use remains consistent with their original drainage report assumptions.

Since Lot 95 is essentially tributary via sheet flow to the detention facilities of Basin "A" in the BAI drainage study located at the northerly portion of Breen Way and within Summerville Park and for a small portion of Basin "B" also part of the BAI drainage study located under Grand River Park, we are of the opinion that both detention and water quality for this Lot are already mitigated. The storm water tributary to this area is mostly confined within an existing detention facility. Furthermore, the proposed grading and drainage plan design as previously stated, exhibits sheet flows around the perimeter of the developed areas which limits the need for additional design study since there are no major channels being proposed. Similarly, the westerly portion of Lot 96 is tributary to the detention facility located under Grand River Park wherein it is also mitigated for both detention and water quality. Our drainage analysis for the new development areas will be to calculate historic and developed 25-year peak flow rates for the 1-hour storm based on the percent imperviousness for Hydrologic Soil Group B and via the Rational Method to ascertain the peak storm water runoff rates. In addition, we will provide for 100% detention on the eastern portion of Lot 96 based on applying the 1-hour, 100-year storm precipitation depth to the impervious area of the site, per our discussion with COGS Engineering Department staff. This will assure that off-site flow rates are kept below historic conditions.

Peak Flow Rates –Rational Method:

Based on the COGS drainage standards, the developed peak flow rates for each basin using a 25-year return period, 1-hour storm can be calculated using the Rational Method as follows:

Rational Method:

Given:

$Q = CIA$

Where:

Q = Peak Discharge, cfs for the return period

C = Runoff Coefficient

I = Rainfall Intensity, inches/hour

A = Drainage Area, acres

The intensity value is derived based on the time of concentration for each Lot from the ground cover, slope, and the degree to which the stormwater is channelized. Based past experience when analyzing smaller sized drainage basins by using the Rational Method, time-of-concentration values typically are less than 5-minutes. Therefore, we will use the minimum time-of-concentration value of 5-minutes for the analysis as it will yield more conservative peak flow rates in this instance.

Since specific time-intensity-frequency curves for the Glenwood Springs area are not published in the Glenwood Springs Drainage Standards, the intensity value will need to be calculated based on the following equation from the Urban Storm Drainage Criteria Manual (USDCM) Volume 1, Chapter 5:

$$I = 28.5 P_1 / (10 + T_d)^{0.786}$$

Where:

I = rainfall intensity (inches per hour)

P_1 = 1-hour rainfall depth or precipitation rate (1.05 inches for the 25-year storm per Glenwood Spring Drainage Standards)

T_d = storm duration (5-minutes in this case)

For a 5-minute time-of-concentration, 25-year return period, 1-hour storm, the intensity is as follows:

$$I_{25} = 28.5 \times 1.05 / (10 + 5)^{0.786} = 3.56 \text{ in/hr}$$

For Lot 96, the Drainage Basin/Sub-Basin characteristics (See Appendix for Drainage Basin locations) are as follows:

Drainage Basin Characteristics

Drainage Basin/Sub-Basin	Total Area sf	Impervious Area Sf	% Impervious
"Lot 95 West"	39,398	22,943	58%
"Lot 96 East"	42,637	30,039	70%
"Lot 96 East"	27,181	9,602	35%

Based on applying a "C" value of 0.24 for Hydrologic Type B soils and from the previously calculated storm intensity value of 3.56 in/hr, the historic peak flow conditions are as follows:

Drainage Basin Historic Conditions

Drainage Basin/Sub-Basin	Total Area ac	Historic "C" Value	25-year 5-min Tc Intensity in/hr	Historic Q cfs
"Lot 95 West"	0.904	0.24	3.56	0.77
"Lot 96 East"	0.979	0.24	3.56	0.84
"Lot 96 East"	0.624	0.24	3.56	0.53

Similarly, by applying the percent imperviousness per the USDCM, the Drainage Basin/Sub-Basin developed peak flows are calculated as follows:

Drainage Basin Developed Conditions

Drainage Basin/Sub-Basin	Total Area ac	Developed "C" Value	25-year 5-min Tc Intensity in/hr	Developed Q cfs
"Lot 95 West"	0.904	0.50	3.56	1.61
"Lot 96 East"	0.979	0.58	3.56	2.02
"Lot 96 East"	0.624	0.41	3.56	0.91

See Appendix for Drainage Basin/Sub-Basin information.

The developed drainage conditions for the Lot 96 west basin assuming 100% detention are as follows:

**Lot 95 Basin Developed Conditions
with 100% Detention**

Total Area ac	Developed "C" Value	25-year 5-min Tc Intensity in/hr	Developed Q cfs
0.378	0.24	3.56	0.32

Ripple Lane and On-Site Swale Capacity Checks:

Ripple Lane, which provides access to the townhome units on Lot 96 is being proposed with a center valley-pan from which the adjacent asphalt lanes slope towards the center at a -2% cross-slope. Although major portions of the Lot 96 West Basin are designed to sheet flow towards Culver Circle, Ripple Lane does collect much of the stormwater runoff from the center portion of the Lot.

Since this area will channelize stormwater, it should be checked to verify that there is adequate conveyance capacity utilizing the peak Sub-Basin flow rates.

Based on applying Manning's Formula to a 20-foot wide asphalt channel in accordance with the center line grades for the north and south portions of Ripple Lane (assuming a width of 20 feet), the conveyance capacity was found to be as follows (See Appendix for channel calculations summary sheets):

1. South portion of Ripple Lane with -1.14% centerline gradient:

straight asphalt channel capacity = 4.269 cfs

2. North portion of Ripple Lane with -1.22% centerline gradient

straight asphalt channel capacity = 4.416 cfs

Since the total peak flow rate of the “Lot 96 West” Sub-Basin is only around 2.0 cfs each portion of Ripple Lane as shown above has adequate conveyance capacity.

From the westerly portion of Lots 95 and 96, the stormwater is conveyed via asphalt streets with curb & gutter to the centralized detention basin under Summerville Park and Grand River Park respectively.

As part of the drainage plans for Lots 95 and Lot 96, we have proposed five (5) separate drainage swales to convey storm water. For design purposes each swale has been designed with side slopes at 10:1 or ten (10) percent. Based on the center line grades for each swale, we have calculated the associated swale capacity and have shown that each swale will handle a peak flow rate of 0.5 cfs. Based on inspecting the relative drainage areas of the overall sites, this is more than adequate to convey the localized drainage conveyed by the proposed swales (see Appendix for swale capacity calculations).

Water Quality:

As previously outlined, water quality for the site is being achieved via the existing sub-surface detention systems that were previously installed and via a newly proposed sand filter located on the southeastern portion of Lot 96 which will collect stormwater from all of “Lot 96 West” Sub-Basin except for the easterly unit of Building 2 and a short section of emergency access road. The emergency access road will be designed with a gravel surface so additional water quality treatment is not required. The easterly portion of Building 2 flows to a green space where, in our opinion, water quality is being achieved at equal or greater than a 1:1 basis by area. Additional underground infrastructure is not warranted in this case.

Detention:

As previously stated, detention for Lot 95 and the westerly portion of Lot 96 is being provided by a centralized detention system already constructed and in place located westerly of Lot 96. We verified that the runoff coefficients for these locations were less than in the BAI drainage report, therefore additional detention for these areas is not required per a discussion with COGS Engineering staff. Since the easterly portion of Lot 96 flows towards the east, a separate detention solution has been provided.

The current plan calls for providing 100% detention for this portion of the site (“Lot 96 West” Sub-Basin) by applying the 100-year, 1-hour precipitation depth of 1.32 inches to all of the Sub-Basin impervious area. This will yield a conservative detention value for the site and assure that stormwater released from the site is less than historic conditions as is the case with other portions of Cardiff Glen.

The total impervious area of the Lot 96 West Sub-Basin is 9,602 square feet and the detention volume required is calculated as follows:

$$V = \text{Area} \times (100\text{-year Precipitation Depth})$$

$$V = 9,602 \text{ ft}^2 \times 1.32 \text{ in} \times (1 \text{ ft} / 12 \text{ in}) = 1,056 \text{ ft}^3$$

The current plan for providing detention for this portion of the site is to install a bottomless sand filter extended detention basin. This will not only provide the necessary detention volume but water quality mitigation.

The sand filter surface area can be calculated based on the following formula:

$$A_s = 2V/9, \text{ where } V = \text{detention volume in ft}^3$$

The minimum sand filter volume required is as follows:

$$A_s = 2 \times 1,056 \text{ ft}^3 / 9 = 235 \text{ ft}^2$$

However, the detention basin is required to drain in 24-hours or 1440 minutes.

Based on the underlying soil conditions at the site the percolation rate was tested (see Appendix for results) and a 10 minute/inch percolation rate was observed. For design purposes we will use a percolation rate of 30 min/inch (4 ft per 24 hours) to calculate the minimum sand filter area required. If we divide the detention volume by a percolation rate of 4 ft/day, the minimum sand filter is calculated as follows:

$$A_s = 1,056 \text{ ft}^3 / (4 \text{ ft/day}) = 264 \text{ ft}^2$$

For design purposes, we have provided a sand filter area of 320 ft² or 16 ft x 20 ft.

Since the sand filter has been designed to accommodate the 100-year, 1-hour precipitation rate, separate water quality calculations are ordinarily not required as the water quality control volume is already being achieved.

The final detention basin should exceed 1,056 ft³ in volume with side slopes no steeper than a 3:1 slope.

Outlet Works:

The outlet works from the extended detention basin are fairly straight forward. Stormwater will enter the basin and reach the sand filter located at the lowest point in the basin. The stormwater will be discharged into the sand filter and underlying soils via percolation. For the other portions of Lots 95 and 96, stormwater will generally sheet flow to the centralize detention areas.

Project Design Principles:

The project, to the extent possible considering all of the input parameters, has been designed in concert with USDCM principals. Given the predetermined location of the buildings, access street and parking requirements and previously developed drainage report, we considered water quality and detention early in the design process and have used major portion of the site to incorporate various BMP's including disconnected impervious areas as well as a sand filter for water quality. Furthermore, we have reduced the amount of impervious area as much as practical given the desires of the owner and the concern with long term maintenance issues. For example, we have also attempted to maximize the amount of green space and flat area on the site for both water quality benefits as well as to preserve a sense of usable open space. A treatment train approach has been utilized where feasible to provide water quality and flood

controls. In addition, we have designed the drainage facilities for maintenance access and have considered public safety.

Erosion Control:

Given the size of the project, disturbance to the site will be considerable. We are recommending that a silt fence be installed on the down-gradient side of the proposed improvements in order to eliminate sediment transfer and to mitigate concern for water quality impacts on surrounding roadways and the Roaring Fork River Basin. In addition, sediment bags should be placed around down-gradient drainage system inlets. Furthermore, all excavations should be planned to minimize, to the extent possible, damage to surrounding vegetation.

Maintenance:

The sand filter extended detention basin should be checked annually after construction to ensure that it is free of debris and silt. If debris and silt are encountered, it should be removed via pumping or other mechanical means to minimize clogging of the sand media. The sand should be inspected to determine if the sand media is allowing acceptable infiltration every one to two years and after significant rainfalls. If clogging is apparent, scarify the top 3 inches by raking the filter's surface. If sand requires removal, the top 3 inches of sand should be removed from the filter. After a second removal of 3 inches, backfill with 6 inches of new sand to return the sand depth to 18 inches. Sand removal should occur every 2 to 5 years depending on observed drain times, for example, if it takes more than 24 hours to empty. Since maintenance will ultimately be facilitated by the HOA, a contact person will be provided once the HOA is formalized.

Temporary silt fence and sediment bags should remain in place until all areas on the Lot are completely revegetated.

Nearest Flood Zone:

The subject property is not located within a major FIRM 100-year flood zone.

Mudflow Area:

Given the project location, mudflow from surrounding areas will not be a concern.

Conclusions:

The development of Lots 95 and 96 from a drainage perspective will mostly utilize existing planned and constructed facilities to comply with detention and water quality requirements. The proposed design partially utilizes a treatment train approach on the easterly portion of Lot 96, whereby the runoff will be collected and passed through lawn grass before it is detained and eventually infiltrated into the ground via

a bottomless sand filter infiltration system. Since there are blanket easements proposed for all portions of Lot 96 outside of the building footprints, separate drainage easements for sand filter maintenance will not be required.

To the extent possible, we have avoided unnecessary impervious areas and have designed the proposed plan in concert with the USDCM principles, the desires of the client, and long-term BMP maintenance concerns. The proposed design will improve the existing drainage conditions by increasing water quality treatment in areas not previously mitigated as such and by revegetating portions of Cardiff Glen that have remained disturbed by previous construction.

Recommendations:

1. Positive drainage should be constructed away from the building foundations in accordance with the grading and drainage plan (if proposed grades are shown) and to the extent possible, with the final soils report.
2. Stormwater should be conveyed to the existing detention systems already designed within the Cardiff Glen P.U.D. or the sand filter detention basin located on the eastern portion of Lot 96.
3. One sand filter extended detention basin with a minimum bottom area of 320 ft² and a minimum volume of 1,056 ft³ should be constructed to satisfy the on-site detention water quality requirements. New improvements shall maintain historic flow patterns.
4. Erosion control measures recommended above should be strictly followed.
5. The Outlet Works should include a bottomless sand filter where stormwater is able to freely percolated into the surrounding soil matrix.
6. Maintenance for drainage facilities should be in accordance with the aforementioned maintenance section.

References:

City of Aspen URMP (latest edition)
USDCM Vols. 1-3 and Spreadsheets
City of Glenwood Springs Drainage Standards

Engineering Certificate:

"I hereby affirm that this report and the accompanying plans for the Solstice Townhomes as part of Cardiff Glen, Lots 95 and 96 of was prepared by me for the owners thereof in accordance with the provisions of the City of Glenwood Springs Stormwater, Drainage, Water Quality and Erosion Control Chapter and approved variances and exceptions listed thereto. I understand that it is the policy of the City of Glenwood Springs that the City of Glenwood Springs does not and will not assume liability for drainage facilities designed by others."

Hans E. Brucker
Licensed Professional Engineer, State of Colorado

License No.

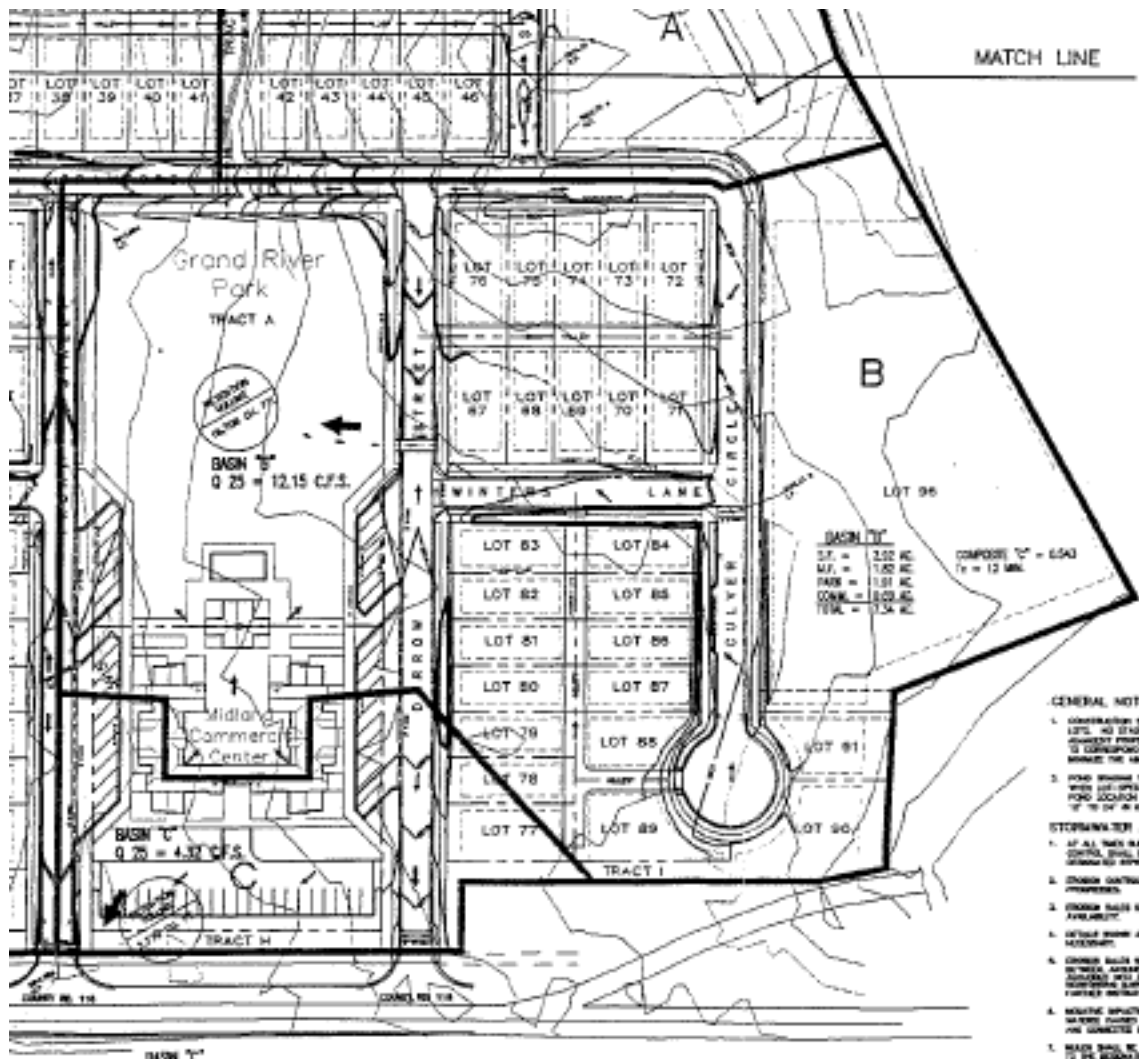


APPENDIX

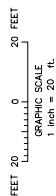


Banner Associates Inc.
Cardiff Glen Historic Drainage Patterns

Page A-1



Banner Associates Inc. Drainage Basin "B"

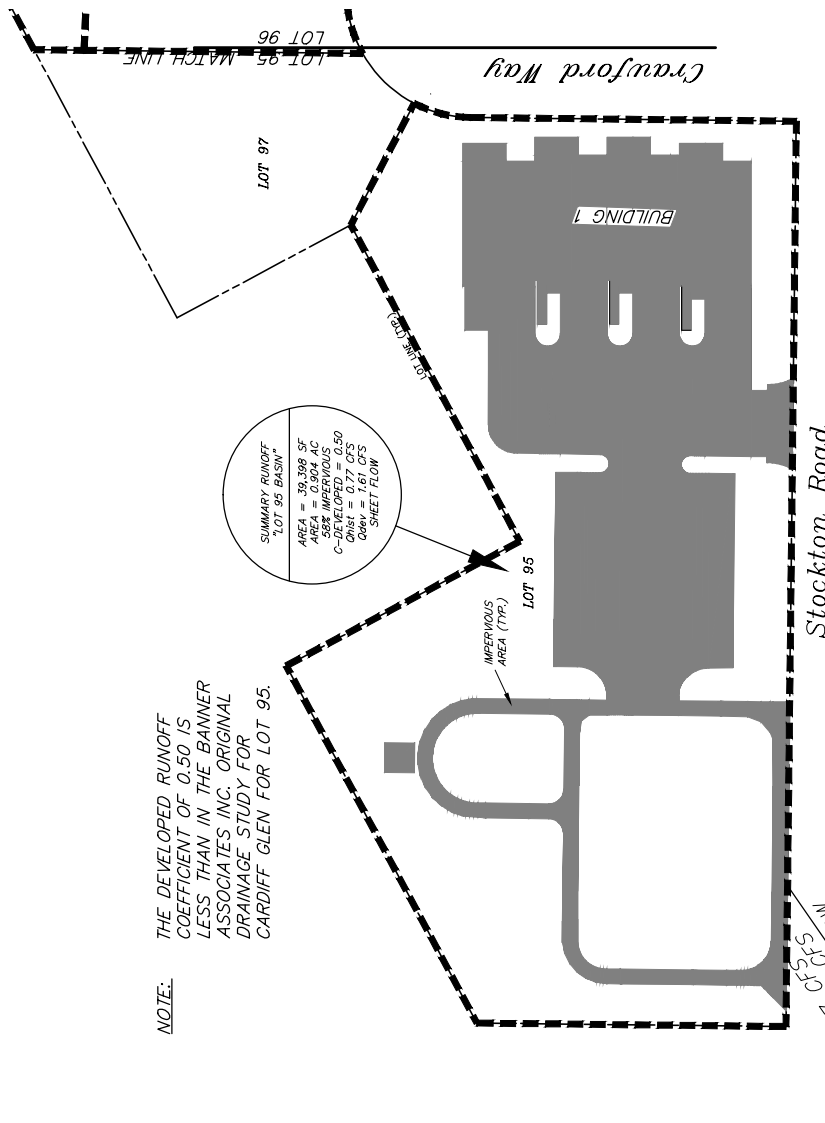


SUMMARY RUNOFF
"LOT 95 BASIN"

AREA = 39,398 SF
AREA = 0.904 AC
58% IMPERVIOUS
C-DEVELOPED = 0.50
Q_{dist} = 0.77 CFS
Q_{dev} = 1.61 CFS
SHEET FLOW

GENERAL NOTES, DRAINAGE BASIN:

1. SINCE THE DEVELOPED RUNOFF COEFFICIENT OF 0.50 IS LESS THAN THE RUNOFF COEFFICIENT OF 0.60 THAT BANNER ASSOCIATES, INC. ASSUMED IN THEIR REPORT FOR THE CREDIT, NO ADDITIONAL DEDUCTION IS REQUIRED.
2. DRAINAGE FROM THE RESIDENTIAL PORTION OF LOT 95 IS TRIBUTARY TO THE ADJACENT HIGHWAYS AND PARKING AREA AND IS SHEET FLOW IN NATURE RATHER THAN CONCENTRATED.
3. SET GRADING AND DRAINAGE PLAN FOR LOT 95 FOR DRAINAGE DIRECTION FLOW ARROWS.



NOTE:
THE LOT 95 WEST BASIN, WITH THE EXCEPTION OF TWO SMALL SWALES EAST OF BUILDING #1, AND SHEET FLOW CONDITIONS AND FLOWS TOWARDS STOCKTON ROAD OR CRAWFORD WAY (SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FLOW DIRECTION ARROWS).

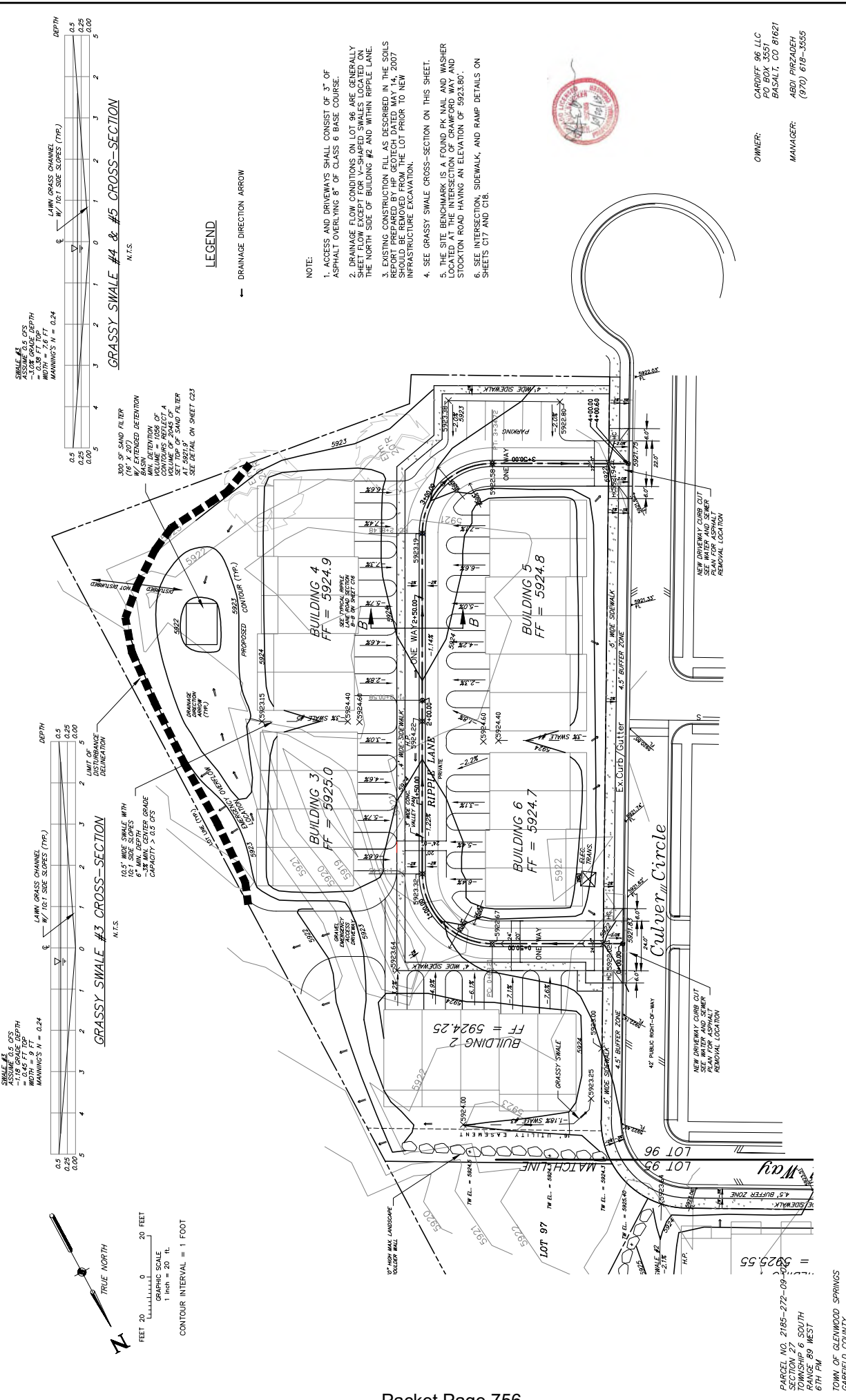
+ 5923.80
PK NAIL AN
PROJECT EL
BENCHMARK

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDI PIRZADEH
(970) 618-3555

SECTION 27
TOWNSHIP 6 SOUTH
RANGE 89 WEST
6TH PM
TOWN OF GLENWOOD SPRINGS
GARFIELD COUNTY
COLORADO

DRAWN & DESIGNED BY: H.E.B.	REVIEWED BY: _____	PINNACLE DESIGN CONSULTING GROUP, INC. CONSULTING ENGINEERS • 8805 BUCK POINT ROAD CARROLLTON, TEXAS 75610 PHONE: 281-465-4270 PINNACLEDESIGNGROUP.COM	REGION	DATE	DESCRIPTION	BY	CHKD	SOLISTICE GLENWOOD SPRINGS, COLORADO 1" = 20' JAN 10, 2015 10-24-18	SHEET NO. C8
	DATED: _____ FOR _____ H.E.B.		DATED: _____ FOR _____ H.E.B.						

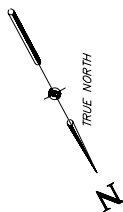


Project information block including title 'CARDIFF GLEN SUBDIVISION - LOT 96', client 'PINNACLE DESIGN CONSULTING GROUP, INC.', date '10-22-18', and sheet number 'C10'.

OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621

MANAGER: ABDU, PIRZADEH
(970) 618-1555

- NOTE:
1. ACCESS AND DRIVEWAYS SHALL CONSIST OF 3" OF ASPHALT OVERLYING 8" OF CLASS 6 BASE COURSE.
 2. DRAINAGE FLOW CONDITIONS ON LOT 96 ARE GENERALLY SHEET FLOW EXCEPT FOR V-SHAPED SWALES LOCATED ON THE NORTH SIDE OF BUILDING #2 AND WITHIN RIPPLE LANE.
 3. EXISTING CONSTRUCTION FILL AS DESCRIBED IN THE SOILS REPORT PREPARED BY HP GEOTECH DATED MAY 14, 2007 SHOULD BE REMOVED FROM THE LOT PRIOR TO NEW INFRASTRUCTURE EXCAVATION.
 4. SEE GRASSY SWALE CROSS-SECTION ON THIS SHEET.
 5. THE SITE BENCHMARK IS A FOUND PK NAIL AND WASHER LOCATED AT THE INTERSECTION OF LOT 96 AND STOCKTON ROAD HAVING AN ELEVATION OF 5923.90'.
 6. SEE INTERSECTION, SIDEWALK, AND RAMP DETAILS ON SHEETS C17 AND C18.



FEET 20 0 20 FEET
GRAPHIC SCALE
1 inch = 20 ft.

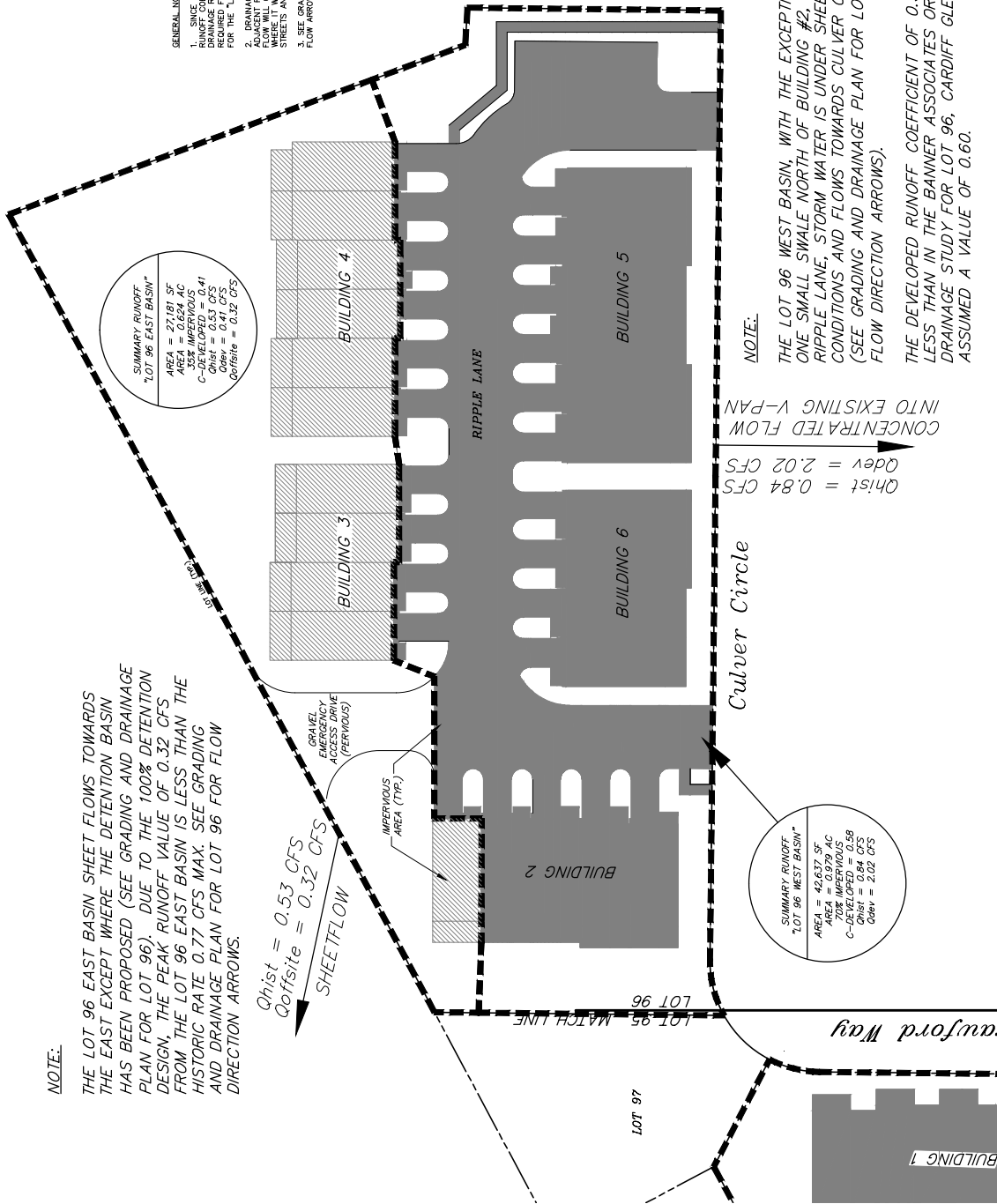
NOTE:

THE LOT 96 EAST BASIN SHEET FLOWS TOWARDS THE EAST EXCEPT WHERE THE DETENTION BASIN HAS BEEN PROPOSED (SEE GRADING AND DRAINAGE PLAN FOR LOT 96). DUE TO THE 100% DETENTION DESIGN, THE PEAK RUNOFF VALUE OF 0.32 CFS FROM THE LOT 96 EAST BASIN IS LESS THAN THE HISTORIC RATE 0.77 CFS MAX. SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FOR FLOW DIRECTION ARROWS.

$Q_{hist} = 0.53 \text{ CFS}$
 $Q_{offsite} = 0.32 \text{ CFS}$
SHEETFLOW

GRAVEL
EMERGENCY
ACCESS DRIVE
(PERVIOUS)

IMPERVIOUS
AREA (TYP.)



GENERAL NOTES DRAINAGE BASIN:
1. SINCE THE DEVELOPED RUNOFF COEFFICIENT OF 0.58 IS LESS THAN THE ASSUMED VALUE OF 0.60, THE DRAINAGE STUDY FOR LOT 96, CARDIFF GLEN, NO ADDITIONAL DETENTION IS REQUIRED FOR THE LOT 96 WEST BASIN. 100% DETENTION WILL BE PROVIDED FOR THE LOT 96 EAST BASIN.
2. THE DRAINAGE STUDY FOR LOT 96 IS PRELIMINARY TO THE ADVANCED TOWNHOMES AND PARKING AREA AND IS SUBJECT TO THE FLOW WILL CONCENTRATE IN THE VALLEY PAN THAT EXISTS IN CULVER CIRCLE. THE DRAINAGE STUDY FOR LOT 96 IS PRELIMINARY TO THE DRAINAGE STUDY FOR LOT 96, CARDIFF GLEN, WHICH ASSUMED A VALUE OF 0.60.
3. SEE GRADING AND DRAINAGE PLAN FOR LOT 96 FOR DRAINAGE DIRECTION FLOW ARROWS.



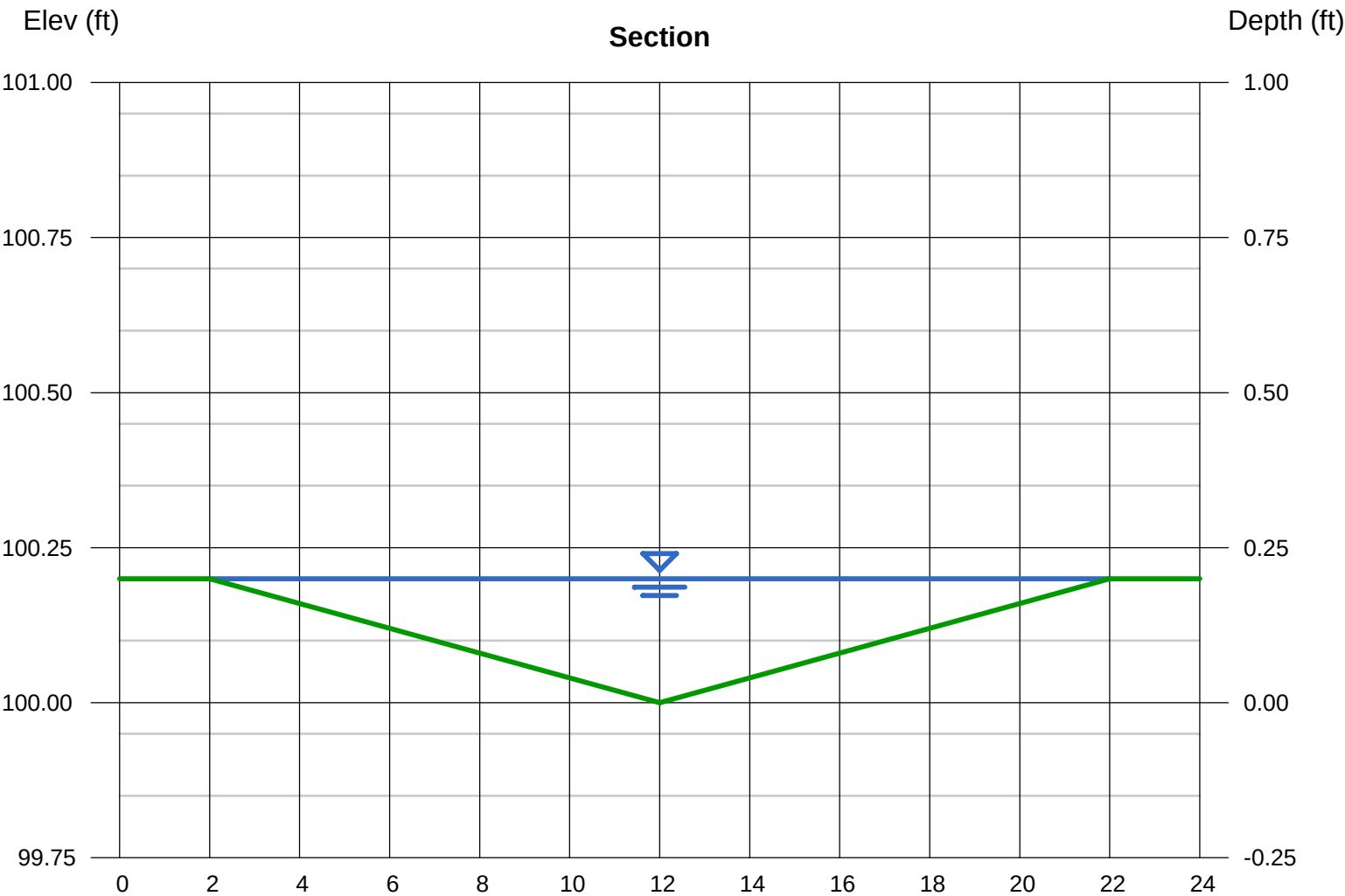
OWNER: CARDIFF 96 LLC
PO BOX 3551
BASALT, CO 81621
MANAGER: ABDI PIRZADEH
(970) 618-1555

DATE OF PREPARATION: 10-22-18	SCALE: 1" = 20'	SHEET NO: C14
SECTION 37 TOWNSHIP 6 SOUTH RANGE 89 WEST 6TH PM TOWN OF GLENWOOD SPRINGS GARFIELD COUNTY COLORADO	REVISION DATE BY DESCRIPTION	DATE BY DESCRIPTION
DESIGNED BY: H.E.B.	DATE: FOR	DATE: FOR
DRAWN & DESIGNED BY: H.E.B.	DATE: FOR	DATE: FOR
PROJECT: CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN	PROJECT: CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN	PROJECT: CARDIFF GLEN SUBDIVISION - LOT 96 SOLSTICE TOWNHOMES DRAINAGE BASIN PLAN

Channel Report

Ripple Lane - 20 Ft Wide with -2% Transverse Grade at 1.14 Centerline Grade

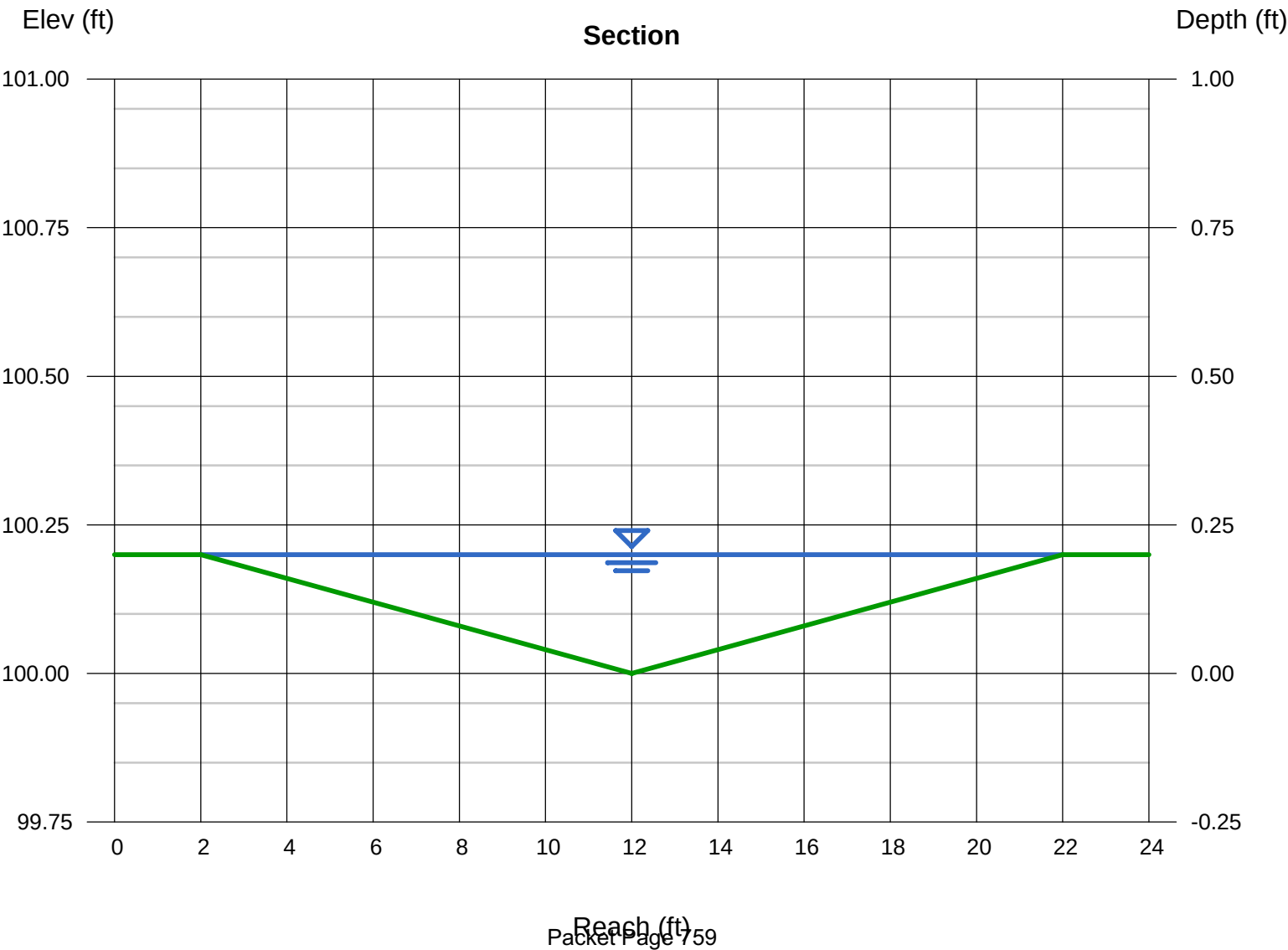
Triangular		Highlighted	
Side Slopes (z:1)	= 50.00, 50.00	Depth (ft)	= 0.20
Total Depth (ft)	= 0.20	Q (cfs)	= 4.269
		Area (sqft)	= 2.00
Invert Elev (ft)	= 100.00	Velocity (ft/s)	= 2.13
Slope (%)	= 1.14	Wetted Perim (ft)	= 20.00
N-Value	= 0.016	Crit Depth, Yc (ft)	= 0.20
		Top Width (ft)	= 20.00
		EGL (ft)	= 0.27
Calculations			
Compute by:	Known Depth		
Known Depth (ft)	= 0.20		



Channel Report

Ripple Lane - 20 Ft Wide with -2% Transverse Grade at 1.22 Centerline Grade

Triangular		Highlighted	
Side Slopes (z:1)	= 50.00, 50.00	Depth (ft)	= 0.20
Total Depth (ft)	= 0.20	Q (cfs)	= 4.416
		Area (sqft)	= 2.00
Invert Elev (ft)	= 100.00	Velocity (ft/s)	= 2.21
Slope (%)	= 1.22	Wetted Perim (ft)	= 20.00
N-Value	= 0.016	Crit Depth, Yc (ft)	= 0.20
		Top Width (ft)	= 20.00
		EGL (ft)	= 0.28
Calculations			
Compute by:	Known Depth		
Known Depth (ft)	= 0.20		



Channel Report

Swale # 1 1.1 Percent Grade, 10:1 Side Slopes, 0.5 CFS

Triangular

Side Slopes (z:1) = 10.00, 10.00
Total Depth (ft) = 0.50

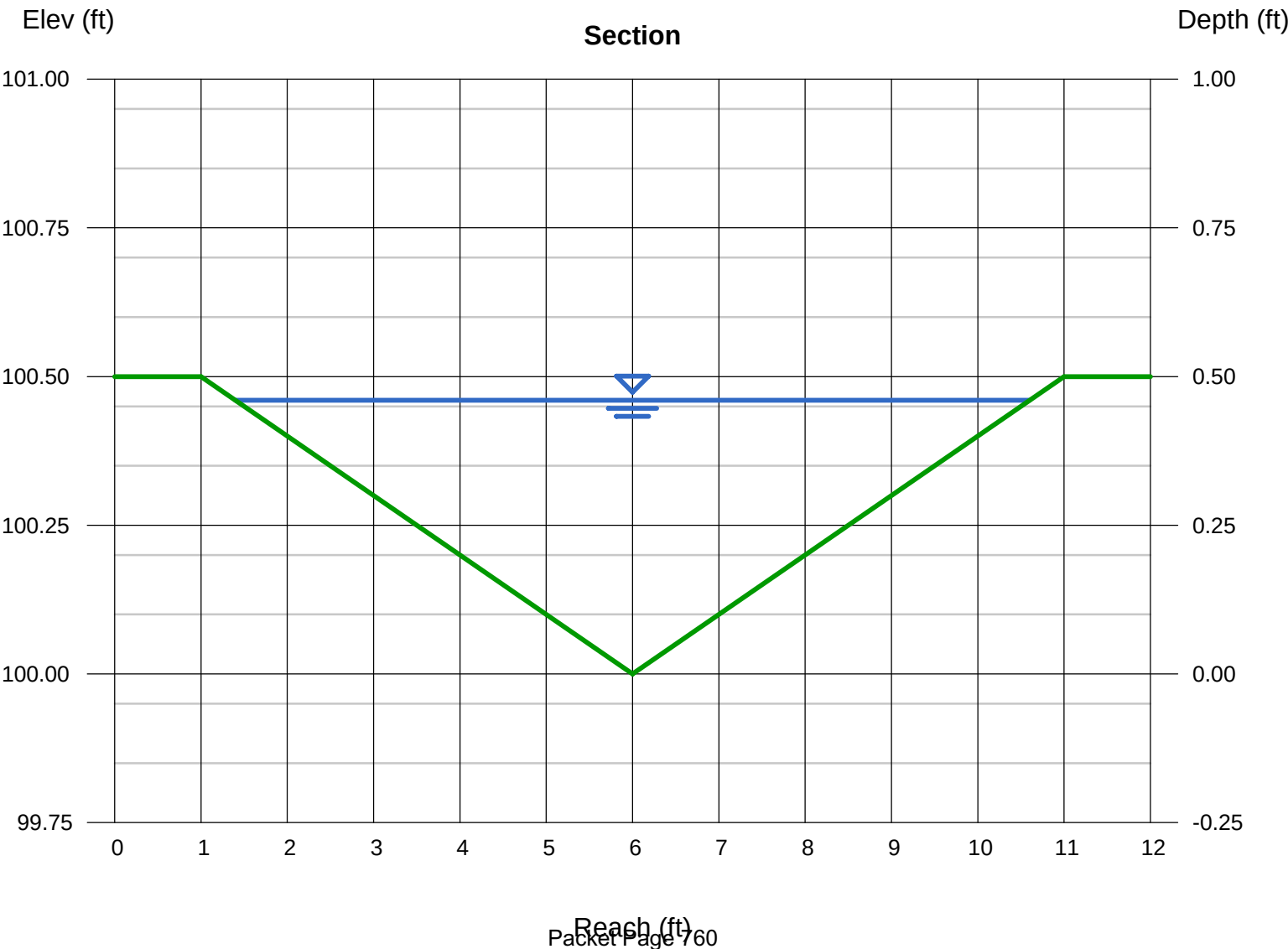
Invert Elev (ft) = 100.00
Slope (%) = 1.10
N-Value = 0.240

Calculations

Compute by: Known Q
Known Q (cfs) = 0.50

Highlighted

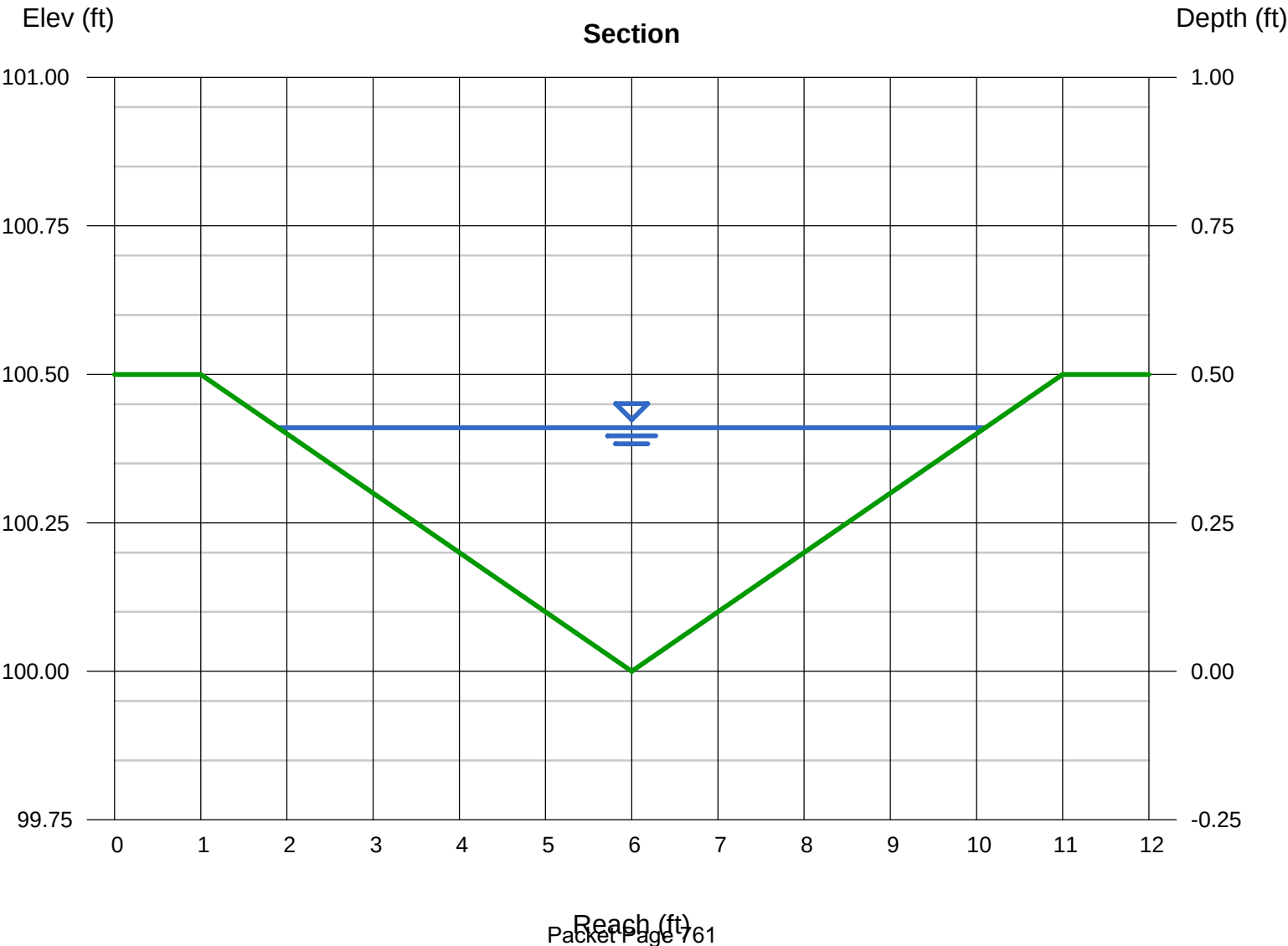
Depth (ft) = 0.46
Q (cfs) = 0.500
Area (sqft) = 2.12
Velocity (ft/s) = 0.24
Wetted Perim (ft) = 9.25
Crit Depth, Yc (ft) = 0.18
Top Width (ft) = 9.20
EGL (ft) = 0.46



Channel Report

Swale # 2 2.1 Percent Grade, 10:1 Side Slopes, 0.5 CFS

Triangular		Highlighted	
Side Slopes (z:1)	= 10.00, 10.00	Depth (ft)	= 0.41
Total Depth (ft)	= 0.50	Q (cfs)	= 0.500
		Area (sqft)	= 1.68
Invert Elev (ft)	= 100.00	Velocity (ft/s)	= 0.30
Slope (%)	= 2.10	Wetted Perim (ft)	= 8.24
N-Value	= 0.240	Crit Depth, Yc (ft)	= 0.18
		Top Width (ft)	= 8.20
		EGL (ft)	= 0.41
Calculations			
Compute by:	Known Q		
Known Q (cfs)	= 0.50		



Channel Report

Swales #3 1.18 Percent Grade, 10:1 Side Slopes, 0.5 CFS

Triangular

Side Slopes (z:1) = 10.00, 10.00
Total Depth (ft) = 0.50

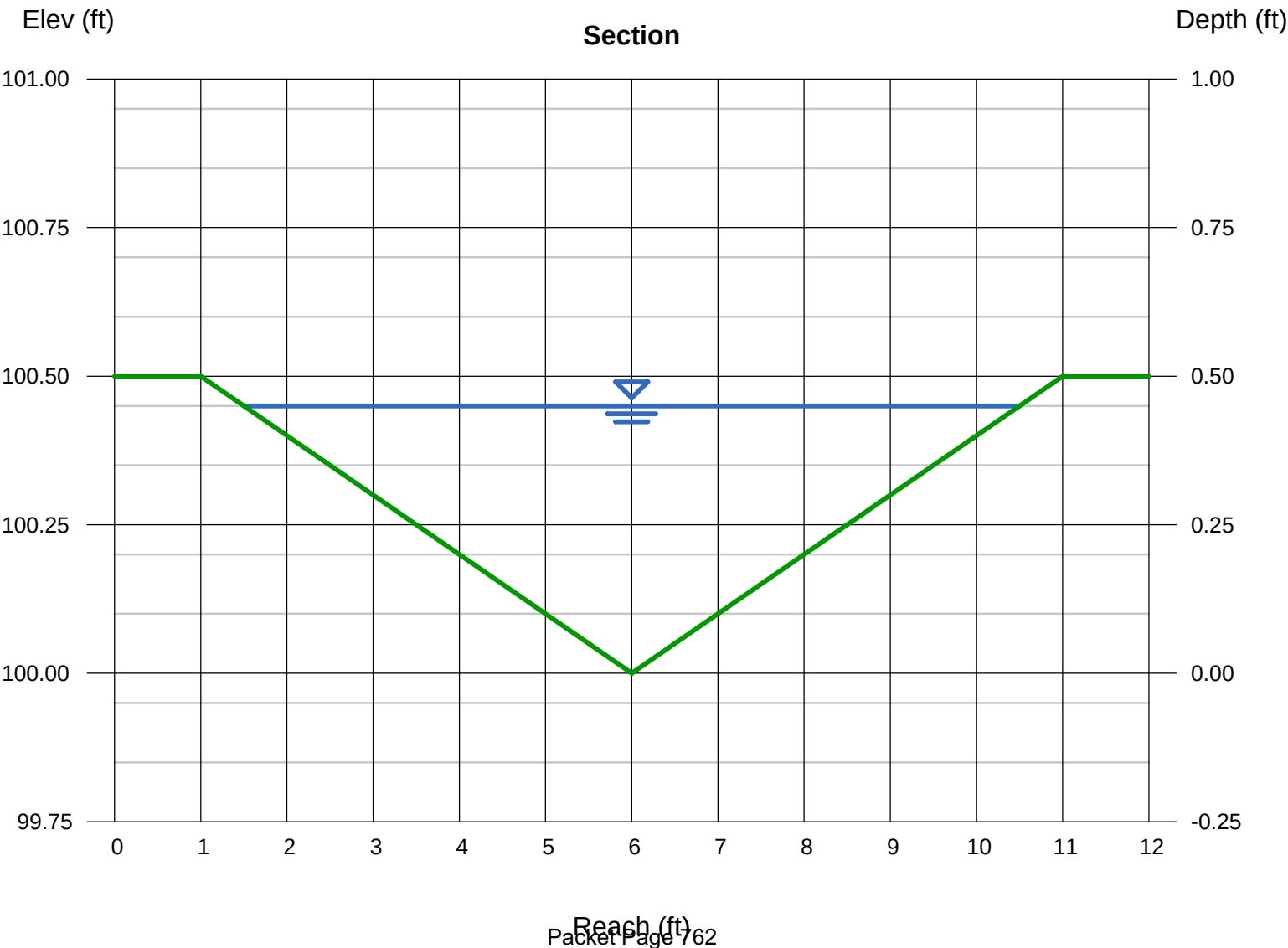
Invert Elev (ft) = 100.00
Slope (%) = 1.18
N-Value = 0.240

Calculations

Compute by: Known Q
Known Q (cfs) = 0.50

Highlighted

Depth (ft) = 0.45
Q (cfs) = 0.500
Area (sqft) = 2.02
Velocity (ft/s) = 0.25
Wetted Perim (ft) = 9.04
Crit Depth, Yc (ft) = 0.18
Top Width (ft) = 9.00
EGL (ft) = 0.45



Channel Report

Swales # 4 & #5 3.0 Percent Grade, 10:1 Side Slopes, 0.5 CFS

Triangular

Side Slopes (z:1) = 10.00, 10.00
Total Depth (ft) = 0.50

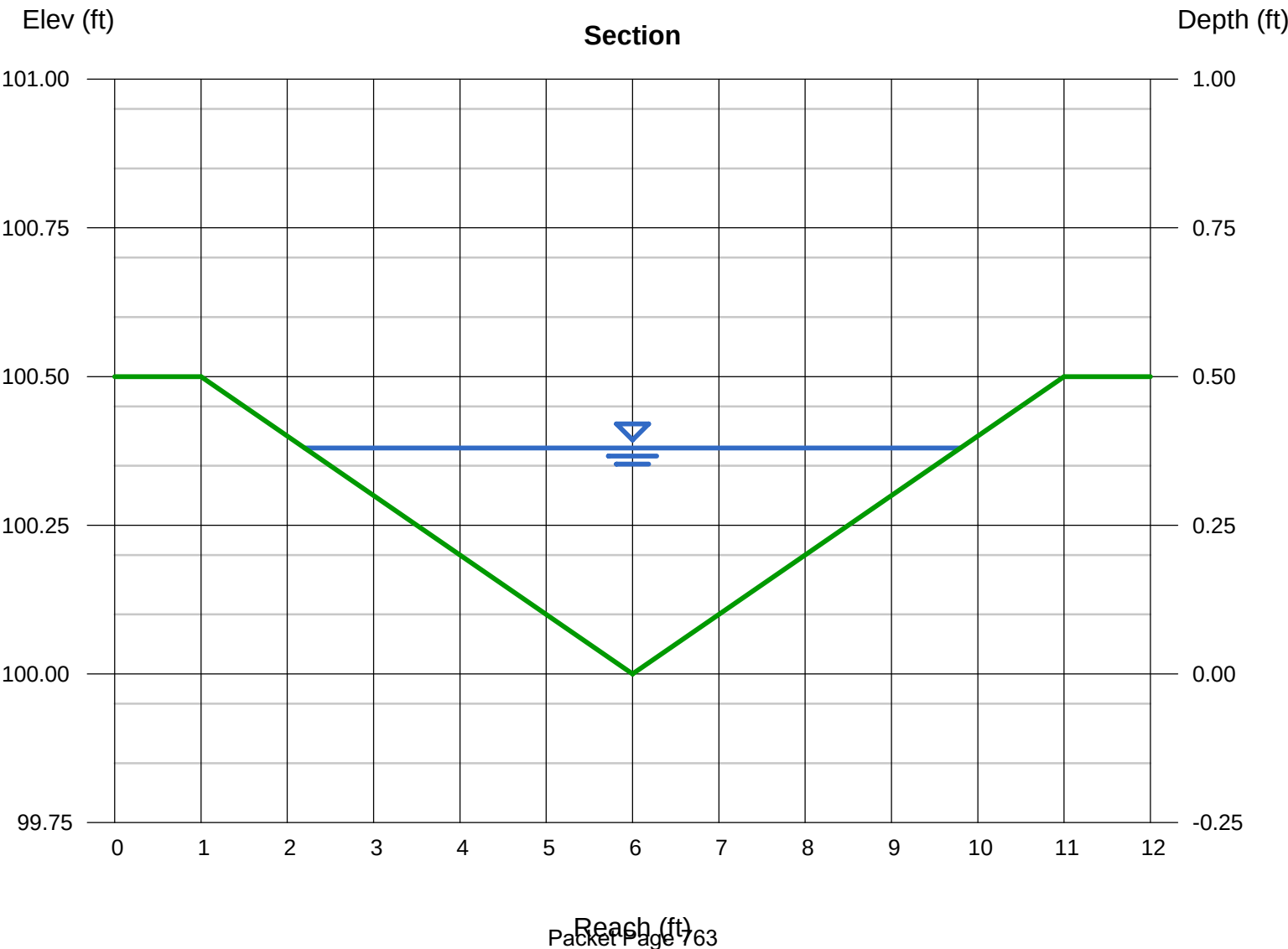
Invert Elev (ft) = 100.00
Slope (%) = 3.00
N-Value = 0.240

Calculations

Compute by: Known Q
Known Q (cfs) = 0.50

Highlighted

Depth (ft) = 0.38
Q (cfs) = 0.500
Area (sqft) = 1.44
Velocity (ft/s) = 0.35
Wetted Perim (ft) = 7.64
Crit Depth, Yc (ft) = 0.18
Top Width (ft) = 7.60
EGL (ft) = 0.38



Office Locations: Denver (HQ), Parker, Colorado Springs, Fort Collins, Glenwood Springs, Summit County, Colorado

October 4, 2018

Cardiff 96, LLC
Attn: Abdi Pirzadeh
110 Spur Drive
Glenwood Springs, CO 81601
(abdi@aspenbuilt.net)

Project No. 18-7-506

Subject: Percolation Testing, Proposed Detention Basin, Lot 96, Cardiff Glen, Stockton Road and Culver Circle, Glenwood Springs, Colorado

Gentlemen:

As requested, H-P/Kumar performed percolation testing at the subject site. The work was done as additional services to, and in accordance with, our agreement for professional services to Cardiff 96, LLC, dated August 6, 2018. Hepworth-Pawlak Geotechnical (now H-P/Kumar) performed a subsoil study for the property and presented the findings in a report dated May 14, 2007, Job No. 107 0101

A percolation test hole was excavated with a backhoe on October 4, 2018 in the area of the proposed detention basin in the southeastern part of Lot 96. The subsoils exposed in the percolation test hole consisted of about 1 foot of topsoil overlying about 2 feet of previously placed fill material consisting of silty sandy gravel and cobbles. Native silty sandy gravel and cobbles were exposed in the bottom of the pit depth of 3 feet. No free water was observed in the pit and the soils were slightly moist to moist. A percolation test hole was hand dug in the bottom of the shallow backhoe pit and filled with water.

Percolation testing was conducted by a representative of H-P/Kumar. The percolation test results are summarized on Table 1. The average percolation rate was 10 min/in.

If you have any questions or need further assistance, please call our office.

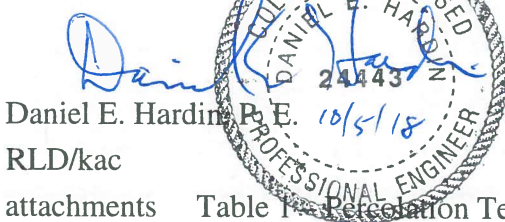
Sincerely,

H-P KUMAR



Robert L. Duran, E. I.

Reviewed by:



Daniel E. Hardin, P.E. 10/5/18
RLD/kac
attachments Table 1 - Percolation Test Results

cc: Ian Hause (creativeresultsconsulting@yahoo.com)
Hans Brucker (pinnacledesign@sopris.net)

H-P ≈ KUMAR

**TABLE 1
PERCOLATION TEST RESULTS**

PROJECT NO. 18-7-506

HOLE NO.	HOLE DEPTH (INCHES)	LENGTH OF INTERVAL (MIN)	WATER DEPTH AT START OF INTERVAL (INCHES)	WATER DEPTH AT END OF INTERVAL (INCHES)	DROP IN WATER LEVEL (INCHES)	AVERAGE PERCOLATION RATE (MIN./INCH)
1	30	5 Water added	6	4½	1½	10
			4½	4	½	
			4	3½	½	
			5½	5	½	
			5	4½	½	
			4½	4	½	
			4	3½	½	

Note: The percolation test hole was hand dug in the bottom of a backhoe pit on October 4, 2018. Percolation testing was conducted on October 4, 2018. The average percolation rate was based on the last three readings of the test.

FINAL DRAINAGE REPORT

CARDIFF GLEN, P.U.D.

GLENWOOD SPRINGS, COLORADO

Prepared For:

STUDIO 3 LAND COMPANY, LLC

1001 Grand Avenue, Suite 211

Glenwood Springs, CO 81601

March, 1999

BANNER

Banner Associates, Inc. • Consulting Engineers & Surveyors
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FINAL DRAINAGE REPORT

CARDIFF GLEN, P.U.D.

GLENWOOD SPRINGS, COLORADO

Prepared For:

STUDIO 3 LAND COMPANY, LLC

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Prepared By:

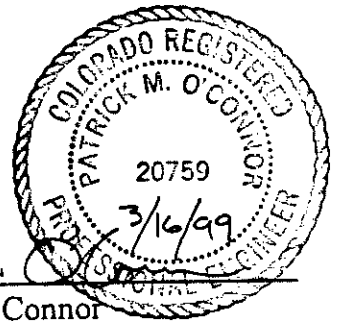
BANNER ASSOCIATES, INC.

2777 Crossroads Boulevard
Grand Junction, Colorado 81506

March, 1999

CERTIFICATION

I hereby certify that this Final Drainage Report for Cardiff Glen, P.U.D. was prepared by me or under my direct supervision.



Patrick M. O'Connor
Patrick M. O'Connor
Registered Professional Engineer
State of Colorado, #20759

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FINAL DRAINAGE REPORT CARDIFF GLEN, P.U.D.

I. GENERAL LOCATION AND DESCRIPTION

SITE LOCATION

Cardiff Glen, P.U.D., as proposed by Studio 3 Land Company, LLC, is located within the triangular parcel created by the boundaries of Sopris Elementary School, the Glenwood Springs Airport, and County Road 116 (Airport Road). The site is approximately 2 miles south of downtown Glenwood. It is situated on a mesa approximately 100 feet above the Roaring Fork River and separated from large basins to the south and west by a hill immediately adjacent to the south.

SITE DESCRIPTION

The proposed site is approximately 22 acres in size. Ground cover currently consists of a sparse covering of sage brush, native grasses, and weeds. Soils consist generally of rapidly draining sandy materials with surface grades around 2% to the north and west. A more detailed description of the soils can be found in the February 8, 1995 investigation by CTL/Thompson.

The site is currently undeveloped and apparently undisturbed for many years past. It is surrounded by sparsely developed tracts on all sides with a steep hillside, airport, and school bordering the project.

II. EXISTING DRAINAGE CONDITIONS

MAJOR BASIN

Cardiff Glen is located on relatively flat terrain resting well above the floodplain of the Roaring Fork River to the north and east. It is protected from the southern major basins of Three Mile Creek and Four Mile Creek by the hill to the south. No known major floodplain has been delineated for the site.

SITE

Other than the hillside to the south, the site is situated on localized "high ground" which drains away from the property in all directions. Runoff from the southern hillside is restricted by the ridge (top of the hill) existing approximately 500 feet to the south and running parallel with County Road 116. Only limited runoff is produced by the hillside

and this is intercepted by the northwesterly draining roadway (County 116) and surface topography draining distinctly parallel to the road.

There are no offsite drainage influences directly impacting the project. Drainage from the site itself is outward as can be seen on the map of "Existing Conditions" enclosed in the appendix. This outward runoff is generally produced in the form of sheetflow and is not collected or channelized into specific sources of point discharge.

III. PROPOSED DRAINAGE CONDITIONS

CHANGES IN DRAINAGE PATTERNS

Given the lack of specific, channelized points of discharge from the site, it is the intention of this project to retain runoff produced during and after development. Stormwater will be released from the site by infiltration into the existing soils rather than creating point source discharge channels or attempting to recreate sheet flow discharge.

Determinations of peak flows and storage volumes were performed for the 25 year storm in accordance with the development code and discussions with the City Engineer.

The site is proposed to drain into five independent basins, labeled "A" through "E" and illustrated on the "Grading, Drainage, and Stormwater Management Plan" included in the appendix of this report. A peak 25 year flow and required retention volume for each basin have been calculated and are shown on the Drainage Plan. Minimal values for infiltration are assumed in the calculations for an allowable discharge flowrate in the determination of the retention volume. These values are conservatively based on discussions with the project engineer regarding percolation rates for the vicinity and are not based on actual tests.

MAINTENANCE ISSUES

Measures for erosion protection, sediment control, and revegetation are proposed in accordance with the development code by the following methods:

1. Natural drainage patterns are preserved and protected given that no existing channels are being altered and that no increase in historic runoff is proposed. In fact, a decrease in runoff is proposed to eliminate downstream erosion and other potential adverse impacts from offsite discharge.
2. Development construction is proposed to be phased to minimize exposure duration of bare ground. Disturbed ground will be rapidly built upon or revegetated with the various parks offered in this project.

3. Offsite sediment transport will be eliminated by the retention of storm flows. Onsite sediment transport will be minimized by the installation of silt traps installed on a temporary basis in locations upstream of the retention ponds during interim periods of soil stabilization.

IV. DESIGN CRITERIA AND APPROACH

GENERAL CONSIDERATIONS

Given the lack of defined runoff channels exiting the property and the difficulty in replicating sheet flow from a developed site, it was determined that retention of stormwater would be the stormwater management process selected. Allowable infiltration discharges of 30 minutes per inch over 10,000 square feet of pond area were assumed. This provided a discharge flowrate of 0.5 c.f.s. which was applied uniformly in the calculation of all basin detention volumes. Volumes calculated are assumed to be contained in shallow (12" to 24" depth) ponds and spread over the corresponding surface areas. This is in conformance with proposals by the developer to locate the ponds in parks and playgrounds within the project. Only developed flows were calculated given the fact that retention was proposed and historic flows are irrelevant.

HYDROLOGY

Hydrologic calculations are based on the 25 year rainfall event and precipitation information provided by the Glenwood Springs City Engineer. Runoff calculations and detention basin sizing were performed using the Modified Rational Method and Haestad Pondpack Software. The site was split into basins determined by the design of street profiles and overlot grading. Times of concentration were determined for each basin.

Composite runoff coefficients were also developed for each basin based on interpolated values and the appropriate areas of single family, multi-family, commercial, and parks. Detailed input and output can be seen in the appendix of this report.

Values for the four general types of development within the project were established by a comparison of accepted ranges of "C" values and soil conditions for the site. The values used are as follows:

<u>TYPE</u>	<u>"C"</u>
Single Family	0.54
Multi-Family	0.60
Commercial	0.80
Parks	0.40

V. RESULTS AND CONCLUSIONS

PEAK RUNOFF AND RETENTION VOLUMES

Developed 25 year runoff and required retention volumes are tabulated below for each proposed basin:

<u>BASIN</u>	[-----Acres-----]				- c.f.s. -	-----Cubic Feet-----
	<u>Park</u>	<u>Comm.</u>	<u>S.F.</u>	<u>M.F.</u>	<u>Q₂₅</u>	<u>Required Ret. Volume</u>
A	2.24	- 0 -	1.47	1.80	9.00	11,314 (Park)
B	1.91	0.69	2.92	1.82	12.15	16,708 (Park)
C	- 0 -	1.09	0.36	- 0 -	4.32	3,770 (Parking)
D	- 0 -	- 0 -	4.88	- 0 -	8.56	10,714 (Playground)
E	0.27	- 0 -	1.47	1.63	6.72	8,181 (Playground)

COMPLIANCE

This stormwater management plan allows Cardiff Glen, P.U.D. to conform with criteria established by the City of Glenwood Springs. Stormwater released offsite will remain at levels less than historic, thereby reducing adverse downstream impacts.

APPENDIX

A - Grading, Drainage, and Stormwater Management Plan
Existing Conditions (Vicinity Topography)

A1 - A2
A3

B - Rational Method "C" Values

B1 - B3

C - Times of Concentration

C1 - C6

D - Peak Discharge and Retention Volume Calculations

DA1 - DE5

Sheet 1 - Composite "C" Analysis and Q_{25} (Peak)

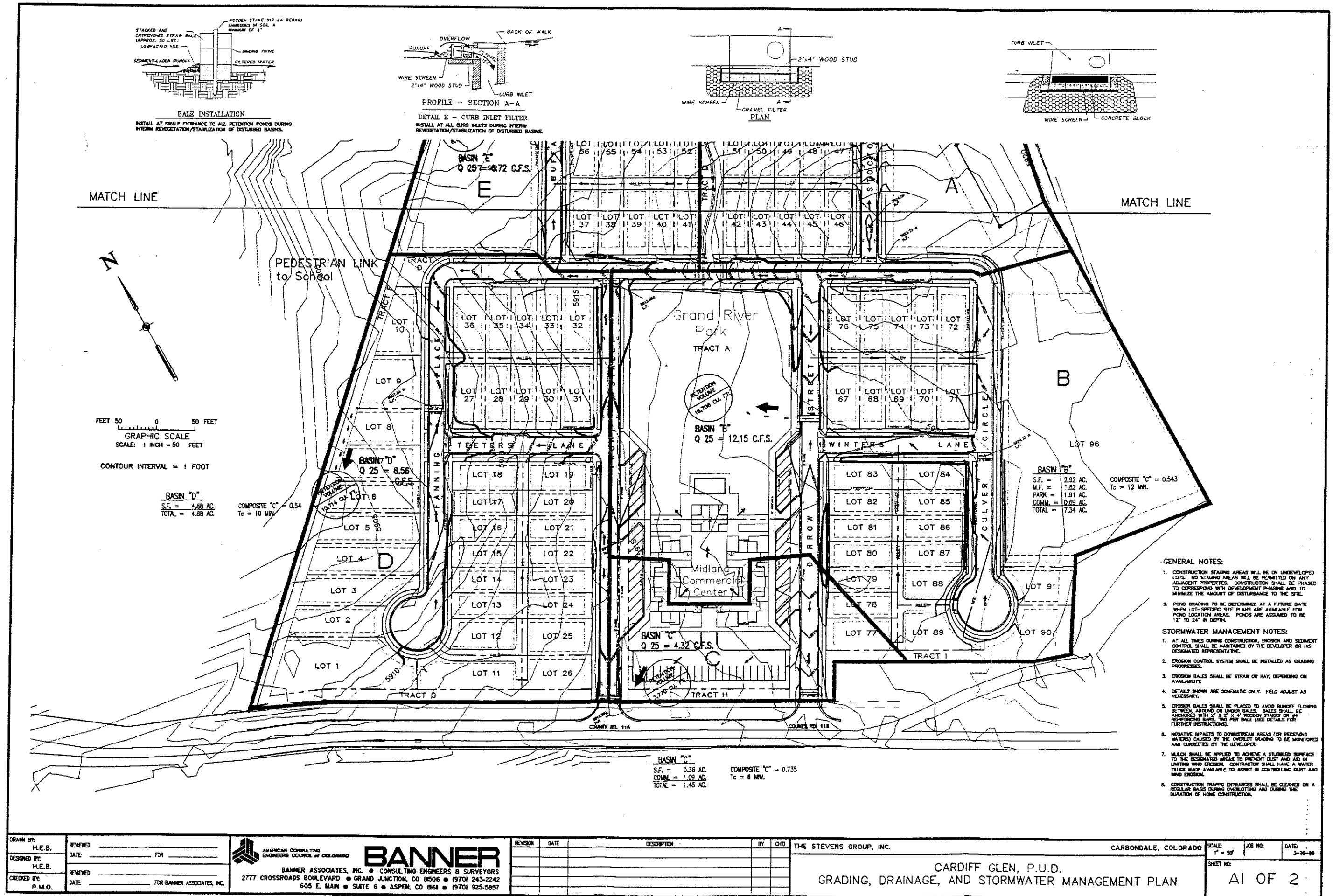
Sheet 2 - Retention Volume

Sheet 3 - Graphical Summary : Discharge/Volume

Sheet 4 - Numeric Hydrograph : Peak Discharge

Sheet 5 - Numeric Hydrograph : Storage Volume

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BASIN "A"
 S.F. = 1.47 AC.
 M.F. = 1.80 AC.
 PARK = 2.24 AC.
 TOTAL = 5.51 AC.
 COMPOSITE "C" = 0.503
 Tc = 10 MIN.

BASIN "E"
 S.F. = 1.47 AC.
 M.F. = 1.53 AC.
 PARK = 0.27 AC.
 TOTAL = 3.37 AC.
 COMPOSITE "C" = 0.558
 Tc = 10 MIN.

RETENTION VOLUME
 31.4 CU. FT.

RETENTION VOLUME
 6.16 CU. FT.

LOT 93
 LOT 94
 LOT 95

LOT 57, 58, 59, 60, 61, 62, 63, 64, 65, 66

LOT 56, 55, 54, 53, 52, 51, 50, 49, 48, 47

LOT 37, 38, 39, 40, 41, 42, 43, 44, 45, 46

PEDESTRIAN LINK to School Parking

PEDESTRIAN LINK to School

Summerville Park TRACT E

Grand River

GRAPHIC SCALE
 SCALE: 1" = 50' FEET
 CONTOUR INTERVAL = 1 FOOT

MATCH LINE

MATCH LINE

REVISION

DATE

DESCRIPTION

BY

CYD

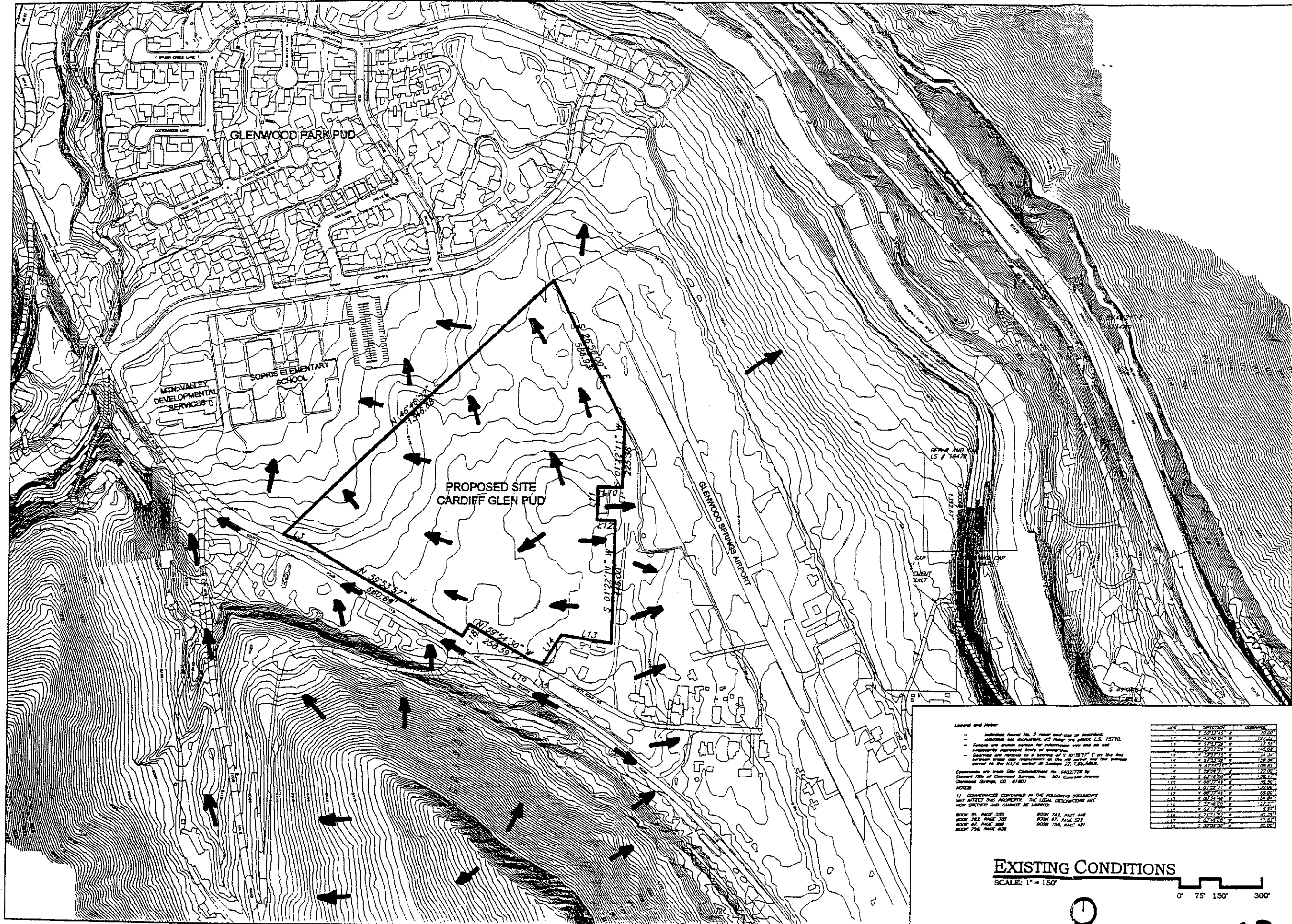
THE STEVENS GROUP, INC.

CARBONDALE, COLORADO

CARDIFF GLEN, P.U.D.
 GRADING, DRAINAGE, AND STORMWATER MANAGEMENT PLAN

3-16-88

A2 OF 2



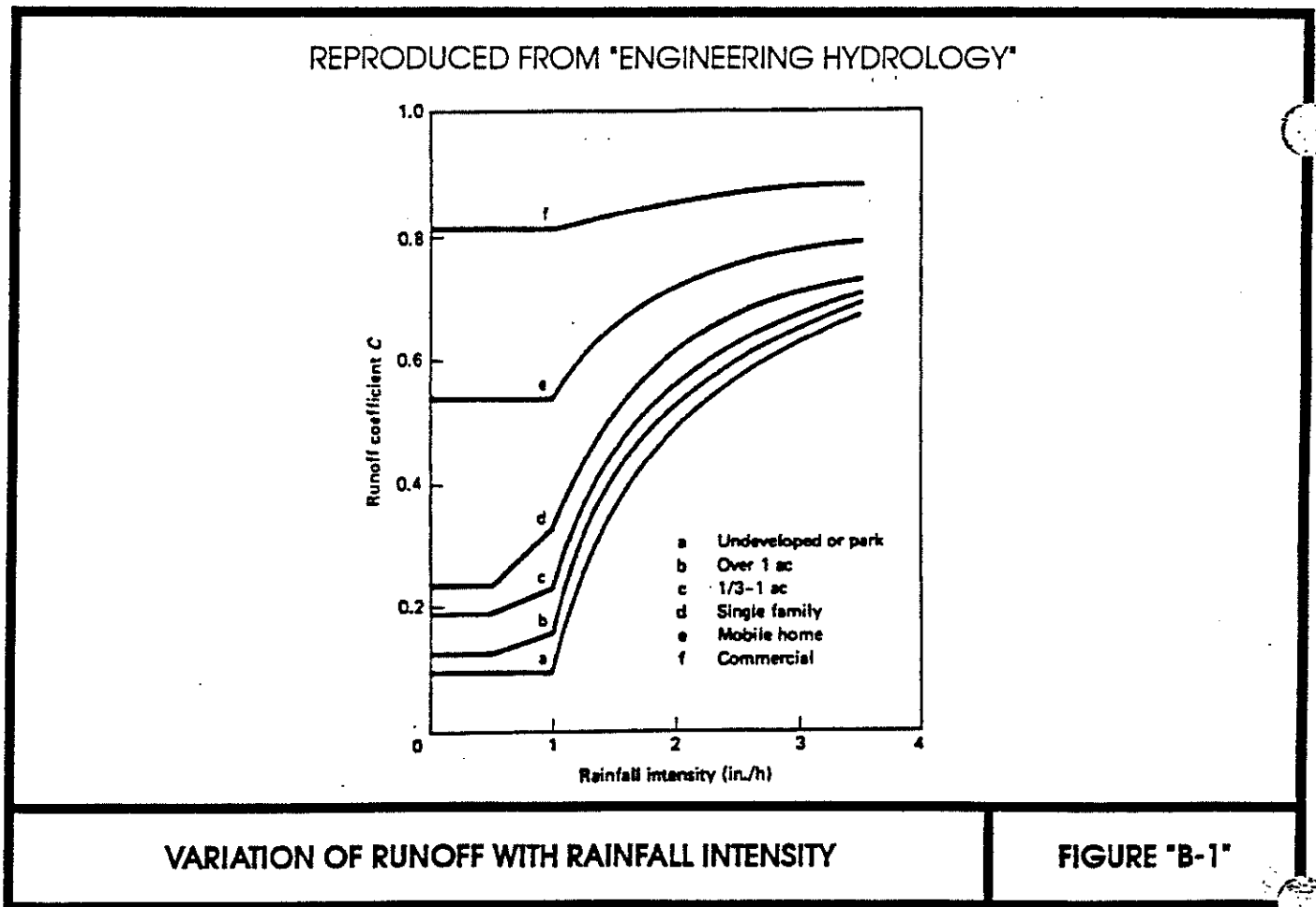
APPENDIX "B"

RATIONAL METHOD "C" VALUES

1. **General Discussion** Section VI-E discusses the principle of rainfall losses, and Section VI-F-1 provides information pertaining to the Rational Method. Thus far, little has been said about the Rational Method "C" value or runoff coefficient, which is the only means of accounting for rainfall loss in the Rational Method.
2. **Development of "C" Values** Several of the assumptions that the Rational Method is based upon pertain to "C" values. Initially, these values were only dependent upon land use or surface type. However, through the years hydrologists have attempted to correct or mitigate these poor assumptions by introducing means of varying "C" values based upon other parameters besides surface type.
 - a. **Storm Frequency** Originally, the same "C" value was recommended regardless of storm frequency (or intensity). Recently, it has become common practice to modify "C" values to account for the effects of intensity. Many now apply factors to published "C" values, such as "1.0" for 2-10 year storms; and "1.1", "1.2", and "1.25" for 25-, 50-, and 100-year storms, respectively, with a ceiling "C" value of 0.95 or 0.98. However, this procedure assumes that there is a similar increase for various surface types as intensity increases, which is not the case. UD&FCD provides a list that is based in part on field measurements, which throws greater increase due to storm intensity for more pervious surfaces, and less for other areas. Variation in runoff coefficients with rainfall intensity has been graphed for use in Kern County, California, as is reproduced in Figure "B-1" as taken from Ponce. It can be seen that rainfall intensity may have a dramatic effect on "C" values, particularly for more pervious areas.
 - b. **Soil Type** Originally, "C" values were published as being independent of soil type. Now, many lists allow for the impact of soil type, which is significant for more pervious areas.
 - c. **Surface Slope** Originally, "C" values did not account for surface slope either. However, it is known that, as slope increases, velocity generally increases which reduces infiltration into the soil. Published lists of "C" values which vary with slope are now fairly common.
 - d. **Storm Duration** Rainfall losses usually start out high and decrease rapidly and then reach a rate that is more or less uniform. Rational Method runoff coefficients produce a constant rainfall loss from beginning to end of rainfall. Therefore, a "C" value must be selected which represents a good average loss rate. However, an average rate of loss would be less as the storm duration (which is set to T_c) increases. Therefore, all other factors being equal, "C" values should be more for watersheds having a long T_c .

and lower for shorter T_c values. The author is unaware of any work that has been done to account for this phenomenon. It may well be likely that, in this day of computerization, that engineers and hydrologists will forsake the use of the Rational Method for more complex but refined modeling methods before any work is done to substantiate "C" value adjustment due to storm duration. However, to allow for other site specific differences, lists are often published with a range of values for each condition, allowing for engineering judgement. This may likely be the best procedure for addressing differences due to storm duration as well.

3. **Standardization of Runoff Coefficients** Nearly every book, manual, or paper that discusses the Rational Method provides a list of "C" values. Such a wide range of values may be found that one could almost justify anything. In order to provide a reasonable level of consistency, standardization is felt necessary. Consequently, Table "B-1" is provided as the standard which must be followed. Although there may be room for improvement in the list, it is based upon the best listings available to the author.
4. **Composite Runoff Coefficients** The need for and means of obtaining composite runoff coefficients is discussed in VI-E-4. A worksheet is provided on Table "B-2".



LAND USE OR SURFACE CHARACTERISTICS	SCS HYDROLOGIC SOIL GROUP (SEE APPENDIX "C" FOR DESCRIPTIONS)											
	A				B				C			
	0-2%	2-6%	6%+		0-2%	2-6%	6%+		0-2%	2-6%	6%+	
UNDEVELOPED AREAS												
Barren ground	10-20 14-24	16-26 22-32	25-35 30-40		14-22 20-28	22-30 28-36	30-38 37-45		20-28 26-34	28-36 35-43	36-44 40-48	24-32 30-38
Cultivated/Agricultural	08-18 12-24	13-23 18-28	16-26 22-32		11-19 16-24	15-23 21-29	21-29 28-36		14-22 20-28	19-27 25-33	26-34 34-42	18-26 24-32
Pasture	12-22 15-25	20-30 25-35	30-40 37-47		18-26 23-31	28-36 34-42	37-45 45-53		24-32 30-38	34-42 42-50	44-52 52-60	30-38 37-45
Meadow	10-20 14-24	16-26 22-32	25-35 30-40		14-22 20-28	22-30 28-36	30-38 37-45		20-28 26-34	28-36 35-43	36-44 44-52	24-32 30-38
Forest	05-15 08-18	08-18 11-21	11-21 14-24		08-16 10-18	11-19 14-22	14-22 18-26		10-18 12-20	13-21 16-24	16-24 20-28	12-20 15-23
RESIDENTIAL AREAS												
1/8 acre per unit	40-50 48-58	43-53 52-62	46-56 53-63		42-50 50-58	45-53 54-62	50-58 59-67		45-53 53-61	48-56 57-65	53-61 64-72	48-56 56-64
1/4 acre per unit	27-37 33-43	31-41 39-49	34-44 42-52		29-37 38-46	34-42 42-50	38-46 47-55		32-40 41-49	36-44 45-53	41-49 52-60	35-43 43-51
1/3 acre per unit	27-37 33-43	26-36 35-45	29-39 38-48		29-37 38-46	29-37 38-46	33-41 42-50		28-36 36-44	32-40 41-49	37-45 48-56	31-39 39-47
1/2 acre per unit	16-26 23-33	20-30 29-39	24-34 33-42		19-27 28-36	23-31 32-40	28-36 36-44		22-30 31-39	27-35 33-43	32-40 42-50	26-34 34-42
1 acre per unit	14-24 22-32	19-29 26-36	22-32 29-39		17-25 24-32	21-29 28-36	26-34 34-42		20-28 28-36	23-33 32-40	31-39 40-48	24-32 33-39
MISC. SURFACES												
Pavement and roofs	93 95	94 96	95 97		93 95	94 96	95 97		93 95	94 96	95 97	93 95
Traffic areas (soil and gravel)	55-65 65-70	60-70 70-75	64-74 74-79		60-68 68-76	64-72 72-80	67-75 75-83		64-72 72-80	67-75 75-83	69-77 77-85	72-80 79-87
Green landscaping (lawns, parks)	10-20 14-24	16-26 22-32	25-35 30-40		14-22 20-28	22-30 28-36	30-38 37-45		20-28 26-34	28-36 35-43	36-44 42-52	24-32 30-38
Non-green and gravel landscaping	30-40 34-44	36-46 42-52	45-55 50-60		43-53 50-60	42-50 48-56	50-58 57-65		40-48 46-54	48-56 55-63	56-64 64-72	44-52 50-58
Cemeteries, playgrounds	20-30 24-34	26-36 32-42	35-45 40-50		25-35 30-40	32-40 38-46	40-48 47-55		30-38 36-44	38-44 45-53	46-54 54-62	34-42 40-48

NOTES: 1. Values above and below pertain to the 2-year and 100-year storms, respectively.
 2. The range of values provided allows for engineering judgement of site conditions such as basic shape, homogeneity of surface type, surface depression storage, and storm duration. In general, during shorter duration storms ($T_c \leq 10$ minutes), infiltration capacity is higher, allowing use of a "C" value in the low range. Conversely, for longer duration storms ($T_c > 30$ minutes), use a "C" value in the higher range.
 3. For residential development at less than 1/8 acre per unit or greater than 1 acre per unit, and also for commercial and industrial areas, use values under MISC SURFACES to estimate "C" value ranges for use.

RATIONAL METHOD RUNOFF COEFFICIENTS
 (Modified from Table 4, UC-Davis, which appears to be a modification of work done by Rawls)

TABLE "B-1"

Quick TR-55 Ver.5.46 S/N:1315430326
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SUMMARY SHEET FOR Tc or Tt COMPUTATIONS
(Solved for Time using TR-55 Methods)

CARDIFF - GLENWOOD SPRINGS
DEVELOPED FLOWS

Subarea descr.	Tc or Tt	Time (hrs)
A	Tc	0.16
B	Tc	0.19
C	Tc	0.08
D	Tc	0.16
E	Tc	0.16

CARDIFF - GLENWOOD SPRINGS
 DEVELOPED FLOWS

Tc COMPUTATIONS FOR: A

SHEET FLOW (Applicable to Tc only)

Segment ID		1	
Surface description		MULTI-FAM	
Manning's roughness coeff., n		0.0200	
Flow length, L (total < or = 300)	ft	125.0	
Two-yr 24-hr rainfall, P2	in	0.800	
Land slope, s	ft/ft	0.0200	
		0.8	
$T = \frac{.007 * (n * L)}{P2^{0.5} * s^{0.4}}$		hrs	0.08 = 0.08

SHALLOW CONCENTRATED FLOW

Segment ID		2	
Surface (paved or unpaved)?		Paved	
Flow length, L	ft	600.0	
Watercourse slope, s	ft/ft	0.0100	
		0.5	
Avg.V = Csf * (s)	ft/s	2.0328	
where: Unpaved Csf = 16.1345			
Paved Csf = 20.3282			
T = L / (3600 * V)	hrs	0.08	= 0.08

CHANNEL FLOW

Segment ID			
Cross Sectional Flow Area, a	sq.ft	0.00	
Wetted perimeter, Pw	ft	0.00	
Hydraulic radius, r = a/Pw	ft	0.000	
Channel slope, s	ft/ft	0.0000	
Manning's roughness coeff., n		0.0000	
		2/3	1/2
$V = \frac{1.49 * r^{2/3} * s^{1/2}}{n}$		ft/s	0.0000
Flow length, L	ft	0	
T = L / (3600 * V)	hrs	0.00	= 0.00
..... TOTAL TIME (hrs)			0.16

CARDIFF - GLENWOOD SPRINGS
 DEVELOPED FLOWS

Tc COMPUTATIONS FOR: B

SHEET FLOW (Applicable to Tc only)

Segment ID	1		
Surface description	MULTI-FAM		
Manning's roughness coeff., n	0.0200		
Flow length, L (total < or = 300)	ft	125.0	
Two-yr 24-hr rainfall, P2	in	0.800	
Land slope, s	ft/ft	0.0200	
	0.8		
$T = \frac{.007 * (n*L)}{0.5 * P2 * s}$	hrs	0.08	= 0.08

SHALLOW CONCENTRATED FLOW

Segment ID	2		
Surface (paved or unpaved)?	Paved		
Flow length, L	ft	800.0	
Watercourse slope, s	ft/ft	0.0100	
	0.5		
Avg.V = Csf * (s)	ft/s	2.0328	
where: Unpaved Csf = 16.1345			
Paved Csf = 20.3282			
$T = L / (3600*V)$	hrs	0.11	= 0.11

CHANNEL FLOW

Segment ID			
Cross Sectional Flow Area, a	sq.ft	0.00	
Wetted perimeter, Pw	ft	0.00	
Hydraulic radius, r = a/Pw	ft	0.000	
Channel slope, s	ft/ft	0.0000	
Manning's roughness coeff., n		0.0000	
	2/3	1/2	
$V = \frac{1.49 * r^{2/3} * s^{1/2}}{n}$	ft/s	0.0000	
Flow length, L	ft	0	
$T = L / (3600*V)$	hrs	0.00	= 0.00

.....
 TOTAL TIME (hrs) 0.19

CARDIFF - GLENWOOD SPRINGS
 DEVELOPED FLOWS

Tc COMPUTATIONS FOR: C

SHEET FLOW (Applicable to Tc only)

Segment ID	1		
Surface description	COMMERCIAL		
Manning's roughness coeff., n		0.0200	
Flow length, L (total < or = 300)	ft	125.0	
Two-yr 24-hr rainfall, P2	in	0.800	
Land slope, s	ft/ft	0.0200	
		0.8	
$T = \frac{.007 * (n * L)}{0.5 * P2^{0.4}}$			
	hrs	0.08	= 0.08

SHALLOW CONCENTRATED FLOW

Segment ID	2		
Surface (paved or unpaved)?	Paved		
Flow length, L	ft	50.0	
Watercourse slope, s	ft/ft	0.0200	
		0.5	
Avg.V = Csf * (s)	ft/s	2.8748	
where: Unpaved Csf = 16.1345			
Paved Csf = 20.3282			
T = L / (3600 * V)	hrs	0.00	= 0.00

CHANNEL FLOW

Segment ID			
Cross Sectional Flow Area, a	sq.ft	0.00	
Wetted perimeter, Pw	ft	0.00	
Hydraulic radius, r = a/Pw	ft	0.000	
Channel slope, s	ft/ft	0.0000	
Manning's roughness coeff., n		0.0000	
$V = \frac{1.49 * r^{2/3} * s^{1/2}}{n}$			
	ft/s	0.0000	
Flow length, L	ft	0	
T = L / (3600 * V)	hrs	0.00	= 0.00
TOTAL TIME (hrs)			0.08

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CARDIFF - GLENWOOD SPRINGS
 DEVELOPED FLOWS

Tc COMPUTATIONS FOR: D

SHEET FLOW (Applicable to Tc only)

Segment ID	1
Surface description	S.F. LOT
Manning's roughness coeff., n	0.0300
Flow length, L (total < or = 300)	ft 100.0
Two-yr 24-hr rainfall, P2	in 0.800
Land slope, s	ft/ft 0.0200

$$T = \frac{0.007 * (n * L)}{0.5 * P2 * s} \quad \text{hrs} \quad 0.09 = 0.09$$

SHALLOW CONCENTRATED FLOW

Segment ID	2
Surface (paved or unpaved)?	Paved
Flow length, L	ft 500.0
Watercourse slope, s	ft/ft 0.0100

$$\text{Avg. V} = \text{Csf} * (s)^{0.5} \quad \text{ft/s} \quad 2.0328$$

where: Unpaved Csf = 16.1345
 Paved Csf = 20.3282

$$T = L / (3600 * V) \quad \text{hrs} \quad 0.07 = 0.07$$

CHANNEL FLOW

Segment ID	
Cross Sectional Flow Area, a	sq.ft 0.00
Wetted perimeter, Pw	ft 0.00
Hydraulic radius, r = a/Pw	ft 0.000
Channel slope, s	ft/ft 0.0000
Manning's roughness coeff., n	0.0000

$$V = \frac{1.49 * r^{2/3} * s^{1/2}}{n} \quad \text{ft/s} \quad 0.0000$$

Flow length, L	ft	0
----------------	----	---

$$T = L / (3600 * V) \quad \text{hrs} \quad 0.00 = 0.00$$

.....
 TOTAL TIME (hrs) 0.16

CARDIFF - GLENWOOD SPRINGS
 DEVELOPED FLOWS

Tc COMPUTATIONS FOR: E

SHEET FLOW (Applicable to Tc only)

Segment ID	1
Surface description	S.F. LOT
Manning's roughness coeff., n	0.0300
Flow length, L (total < or = 300)	ft 100.0
Two-yr 24-hr rainfall, P2	in 0.800
Land slope, s	ft/ft 0.0200

$$T = \frac{0.007 * (n * L)}{0.5 * P2^{0.4} * s^{0.8}} \quad \text{hrs} \quad 0.09 = 0.09$$

SHALLOW CONCENTRATED FLOW

Segment ID	2
Surface (paved or unpaved)?	Paved
Flow length, L	ft 500.0
Watercourse slope, s	ft/ft 0.0100

$$\text{Avg. V} = \text{Csf} * (s)^{0.5} \quad \text{ft/s} \quad 2.0328$$

where: Unpaved Csf = 16.1345
 Paved Csf = 20.3282

$$T = L / (3600 * V) \quad \text{hrs} \quad 0.07 = 0.07$$

CHANNEL FLOW

Segment ID	
Cross Sectional Flow Area, a	sq.ft 0.00
Wetted perimeter, Pw	ft 0.00
Hydraulic radius, r = a/Pw	ft 0.000
Channel slope, s	ft/ft 0.0000
Manning's roughness coeff., n	0.0000

$$V = \frac{1.49 * r^{2/3} * s^{1/2}}{n} \quad \text{ft/s} \quad 0.0000$$

Flow length, L	ft	0
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$$T = L / (3600 * V) \quad \text{hrs} \quad 0.00 = 0.00$$

.....
 TOTAL TIME (hrs) 0.16

CARDIFF - GLENWOOD SPRINGS
 BASIN A
 DEVELOPED 25 YEAR STORM

* * * * * SUMMARY OF RATIONAL METHOD PEAK DISCHARGES * * * * *

$Q = \text{adj} * C * I * A$
 Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd. 'C' x 1

Subarea Descr.	Runoff 'C'	Area acres	Tc (min)	Wtd. 'C'	Adj. 'C'	I in/hr	Total acres	Peak Q (cfs)
SINGLE FAM	0.540	1.47						
MULTI FAM	0.600	1.80						
PARK	0.400	2.24						
			10.00	0.503	0.503	3.250	5.51	9.00

Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 15:34:46 03-15-1999

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*      MODIFIED RATIONAL METHOD
*      ---- Grand Summary For All Storm Frequencies ----
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First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN A
DEVELOPED 25 YEAR STORM

Area = 5.51 acres

Tc = 10.00 minutes

Area = 57.51 acres

.....

VOLUMES

Frequency (years)	Adjusted 'C'	Duration minutes	Intens. in/hr	Qpeak cfs	Allowable cfs	Inflow (cu.ft.)	Storage (cu.ft.)
25	0.503	60	1.240	3.43	0.50	12,364	11,314

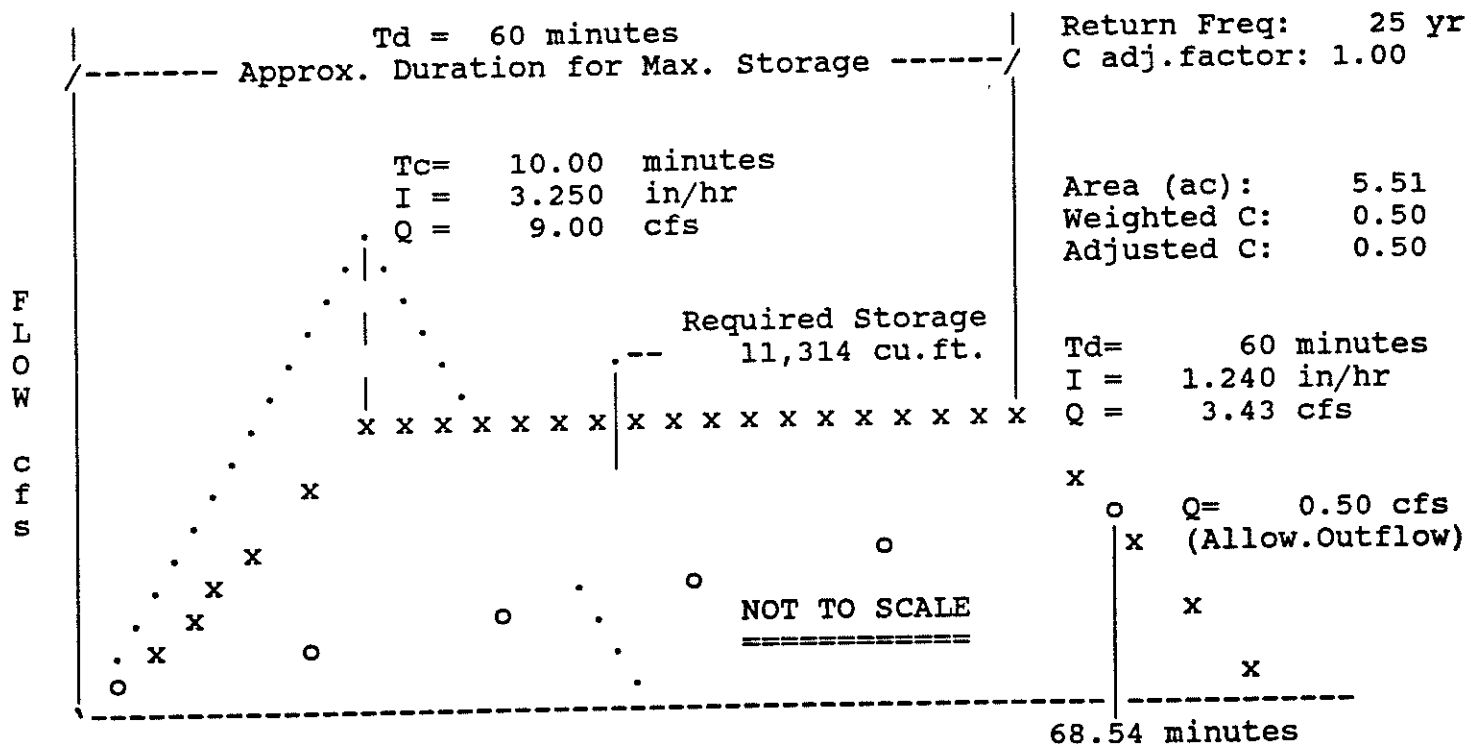
Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 15:34:46 03-15-1999

MODIFIED RATIONAL METHOD
---- Graphical Summary for Maximum Required Storage ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN A
DEVELOPED 25 YEAR STORM

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*****
* RETURN FREQUENCY: 25 yr | Allowable Outflow: 0.50 cfs *
* 'C' Adjustment: 1.000 | Required Storage: 11,314 cu.ft. *
*-----*
* Peak Inflow: 3.43 cfs | Inflow .HYD stored: CDF-D-AA.HYD *
*****
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Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 15:34:46 03-15-1999

CARDIFF - GLENWOOD SPRINGS
BASIN A
DEVELOPED 25 YEAR STORM

**** Modified Rational Hydrograph ****
Weighted C = 0.503 Area= 5.510 acres Tc = 10.00 minutes
Adjusted C = 0.503 Td= 60.00 min. I= 1.24 in/hr Qp= 3.43 cfs
RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: CDF-D-AA.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time Hours	Time increment = 0.083 Hours						
	Time on left represents time for first Q in each row.						
0.000	0.00	1.72	3.43	3.43	3.43	3.43	3.43
0.583	3.43	3.43	3.43	3.43	3.43	3.43	1.72
1.167	0.00						

Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 15:34:46 03-15-1999

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN A
DEVELOPED 25 YEAR STORM

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 0.50 cfs

Hydrograph file duration= 60.00 minutes
Hydrograph file: CDF-D-AA.HYD

Tc = 10.00 minutes

.....
VOLUMES
.....

Weighted 'C'	Adjusted 'C'	Duration minutes	Intens. in/hr	Areas acres	Qpeak cfs	Inflow (cu.ft.)	Storage (cu.ft.)
0.503	0.503	10	3.250	5.51	9.00	5,401	5,101
0.503	0.503	15	2.750	5.51	7.62	6,855	6,480
0.503	0.503	20	2.400	5.51	6.65	7,977	7,527
0.503	0.503	30	1.920	5.51	5.32	9,572	8,972
0.503	0.503	40	1.590	5.51	4.40	10,570	9,820
0.503	0.503	50	1.390	5.51	3.85	11,550	10,650

***** Storage Maximum
0.503 0.503 60 1.240 5.51 3.43 | 12,364 11,314

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 Executed: 09:39:53 03-16-1999

CARDIFF - GLENWOOD SPRINGS
 BASIN B
 DEVELOPED 25 YEAR STORM

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

Subarea Descr.	Runoff 'C'	Area acres	Tc (min)	Wtd. 'C'	Adj. 'C'	I in/hr	Total acres	Peak Q (cfs)
SINGLE FAM	0.540	2.92						
MULTI FAM	0.600	1.82						
PARK	0.400	1.91						
COMMERCIAL	0.800	0.69						
			12.00	0.543	0.543	3.050	7.34	12.15

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*      MODIFIED RATIONAL METHOD
*    ---- Grand Summary For All Storm Frequencies ----
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First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN B
DEVELOPED 25 YEAR STORM

Area = 7.34 acres

Tc = 12.00 minutes

Area = 7154 ACRES

.....

VOLUMES

Frequency (years)	Adjusted 'C'	Duration minutes	Intens. in/hr	Qpeak cfs	Allowable cfs	VOLUMES	
						Inflow (cu.ft.)	Storage (cu.ft.)
25	0.543	60	1.240	4.94	0.50	17,788	16,708

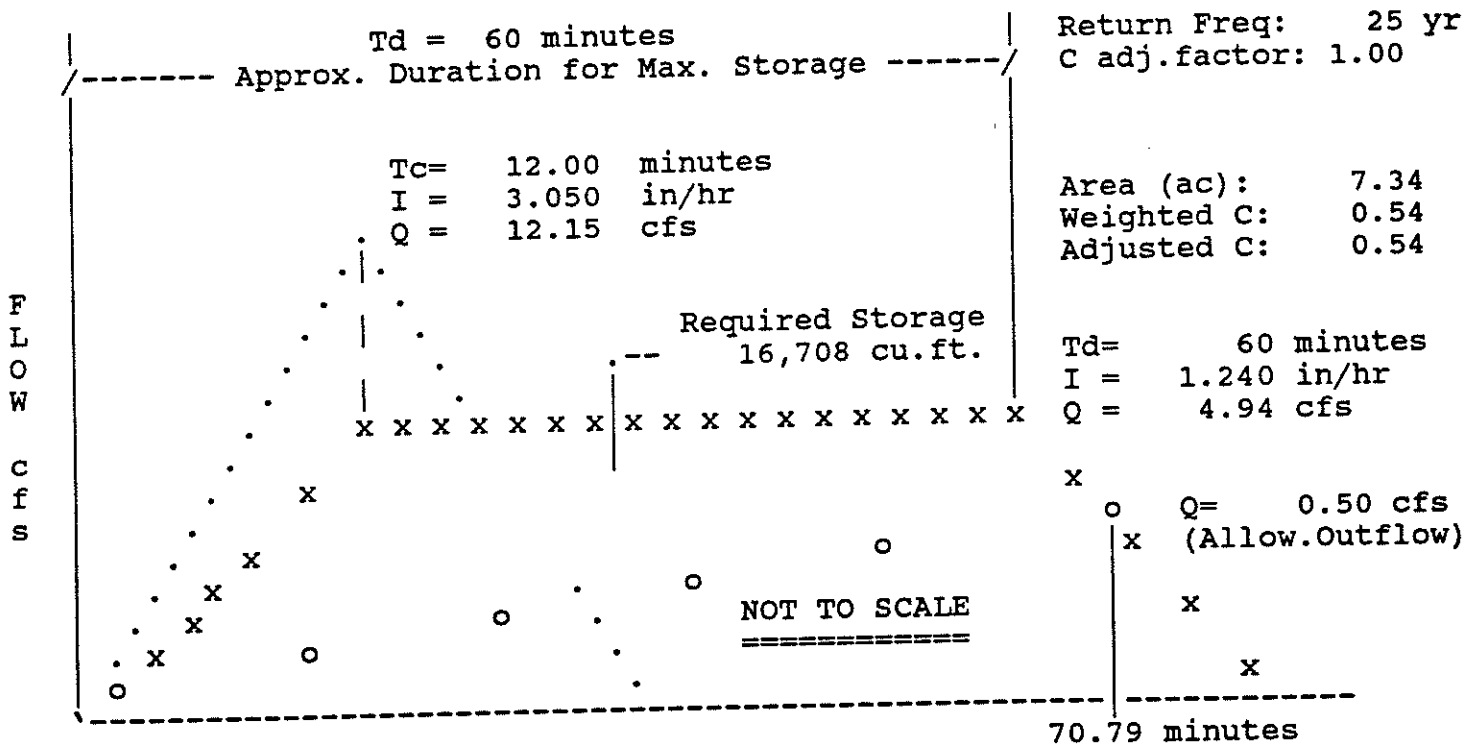
MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
 BASIN B
 DEVELOPED 25 YEAR STORM

 * RETURN FREQUENCY: 25 yr Allowable Outflow: 0.50 cfs *
 * 'C' Adjustment: 1.000 Required Storage: 16,708 cu.ft. *

 * Peak Inflow: 4.94 cfs Inflow .HYD stored: CDF-D-BB.HYD *



Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 09:39:53 03-16-1999

CARDIFF - GLENWOOD SPRINGS
BASIN B
DEVELOPED 25 YEAR STORM

**** Modified Rational Hydrograph ****
Weighted C = 0.543 Area= 7.340 acres Tc = 12.00 minutes
Adjusted C = 0.543 Td= 60.00 min. I= 1.24 in/hr Qp= 4.94 cfs
RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: CDF-D-BB.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time Hours	Time increment = 0.083 Hours						
	Time on left represents time for first Q in each row.						
0.033	0.82	2.88	4.94	4.94	4.94	4.94	4.94
0.617	4.94	4.94	4.94	4.94	4.94	4.12	2.06
1.200	0.00						

Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 09:39:53 03-16-1999

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN B
DEVELOPED 25 YEAR STORM

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 0.50 cfs

Hydrograph file duration= 60.00 minutes
Hydrograph file: CDF-D-BB.HYD

Tc = 12.00 minutes

						VOLUMES	
Weighted 'C'	Adjusted 'C'	Duration minutes	Intens. in/hr	Areas acres	Qpeak cfs	Inflow (cu.ft.)	Storage (cu.ft.)
0.543	0.543	12	3.050	7.34	12.15	8,751	8,391
0.543	0.543	15	2.750	7.34	10.96	9,862	9,457
0.543	0.543	20	2.400	7.34	9.56	11,476	10,996
0.543	0.543	30	1.920	7.34	7.65	13,771	13,141
0.543	0.543	40	1.590	7.34	6.34	15,206	14,426
0.543	0.543	50	1.390	7.34	5.54	16,617	15,687
***** Storage Maximum							
0.543	0.543	60	1.240	7.34	4.94	17,788	16,708

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 Executed: 15:37:29 03-15-1999

CARDIFF - GLENWOOD SPRINGS
 BASIN C
 DEVELOPED 25 YEAR STORM

* * * * * SUMMARY OF RATIONAL METHOD PEAK DISCHARGES * * * * *

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

Subarea Descr.	Runoff 'C'	Area acres	Tc (min)	Wtd. 'C'	Adj. 'C'	I in/hr	Total acres	Peak Q (cfs)
SINGLE FAM	0.540	0.36						
COMMERCIAL	0.800	1.09						
			6.00	0.735	0.735	4.050	1.45	4.32

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*      MODIFIED RATIONAL METHOD
*      ---- Grand Summary For All Storm Frequencies ----
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First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN C
DEVELOPED 25 YEAR STORM

Area = 1.45 acres

Tc = 6.00 minutes

..... VOLUMES

Frequency (years)	Adjusted 'C'	Duration minutes	Intens. in/hr	Qpeak cfs	Allowable cfs	Inflow (cu.ft.)	Storage (cu.ft.)
25	0.735	60	1.240	1.32	0.50	4,760	3,770

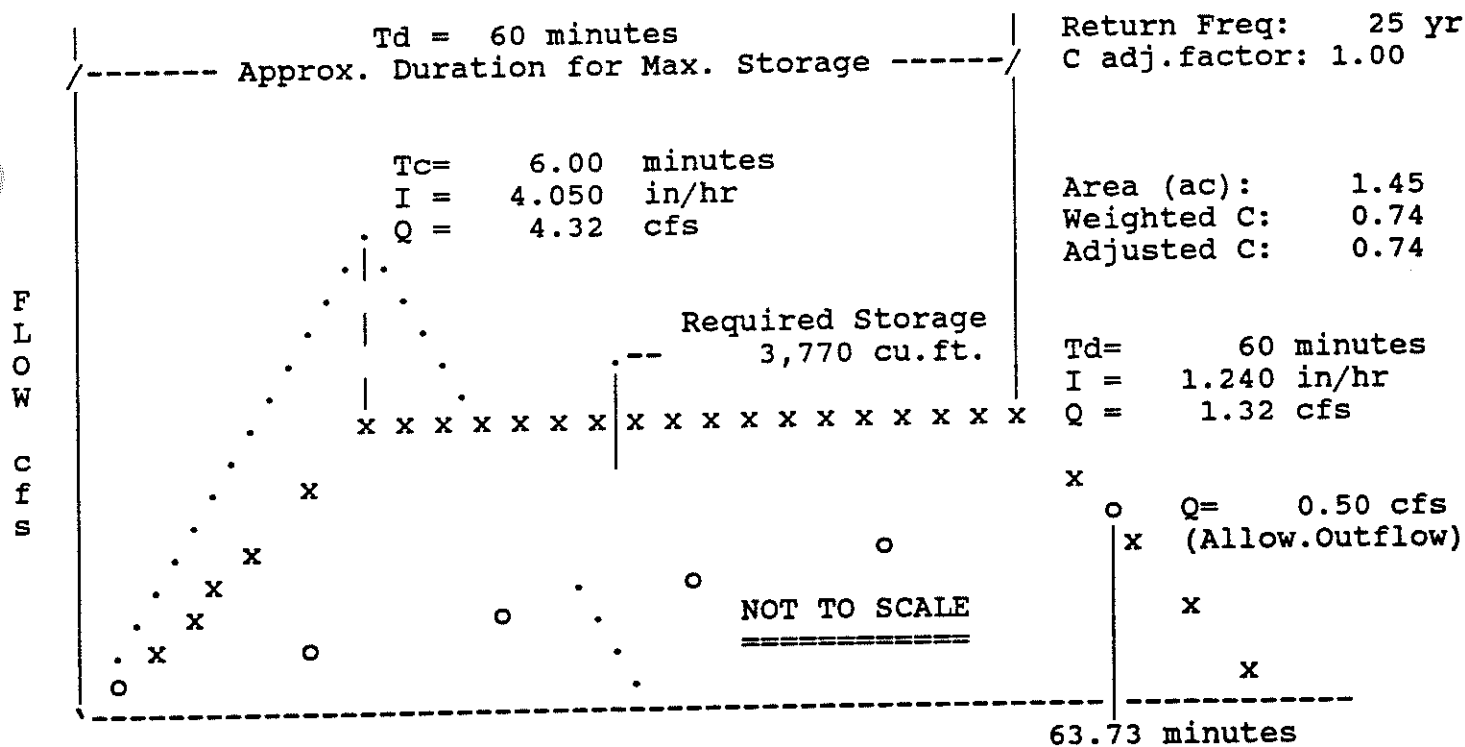
MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
 BASIN C
 DEVELOPED 25 YEAR STORM

 * RETURN FREQUENCY: 25 yr | Allowable Outflow: 0.50 cfs *
 * 'C' Adjustment: 1.000 | Required Storage: 3,770 cu.ft. *

 * Peak Inflow: 1.32 cfs | Inflow .HYD stored: CDF-D-CC.HYD *



Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 15:37:29 03-15-1999

CARDIFF - GLENWOOD SPRINGS
BASIN C
DEVELOPED 25 YEAR STORM

**** Modified Rational Hydrograph ****
Weighted C = 0.735 Area= 1.450 acres Tc = 6.00 minutes
Adjusted C = 0.735 Td= 60.00 min. I= 1.24 in/hr Qp= 1.32 cfs
RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: CDF-D-CC.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time Hours	Time increment = 0.083 Hours						
	Time on left represents time for first Q in each row.						
0.017	0.22	1.32	1.32	1.32	1.32	1.32	1.32
0.600	1.32	1.32	1.32	1.32	1.32	1.10	0.00

Quick TR-55 Ver.5.46 S/N:1315430326
 Executed: 15:37:29 03-15-1999

MODIFIED RATIONAL METHOD
 ---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
 BASIN C
 DEVELOPED 25 YEAR STORM

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 0.50 cfs

Hydrograph file duration= 60.00 minutes
 Hydrograph file: CDF-D-CC.HYD

Tc = 6.00 minutes

						VOLUMES	
Weighted 'C'	Adjusted 'C'	Duration minutes	Intens. in/hr	Areas acres	Qpeak cfs	Inflow (cu.ft.)	Storage (cu.ft.)
0.735	0.735	6	4.050	1.45	4.32	1,555	1,375
0.735	0.735	10	3.250	1.45	3.47	2,079	1,839
0.735	0.735	15	2.750	1.45	2.93	2,639	2,324
0.735	0.735	20	2.400	1.45	2.56	3,071	2,681
0.735	0.735	30	1.920	1.45	2.05	3,685	3,145
0.735	0.735	40	1.590	1.45	1.70	4,069	3,379
0.735	0.735	50	1.390	1.45	1.48	4,447	3,607

***** Storage Maximum
 0.735 0.735 60 1.240 1.45 1.32 | 4,760 3,770

Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 09:42:03 03-16-1999

CARDIFF - GLENWOOD SPRINGS
BASIN D
DEVELOPED 25 YEAR STORM

* * * * * SUMMARY OF RATIONAL METHOD PEAK DISCHARGES * * * * *

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
'C' adjustment, k = 1
Adj. 'C' = Wtd.'C' x 1

Subarea Descr.	Runoff 'C'	Area acres	Tc (min)	Wtd. 'C'	Adj. 'C'	I in/hr	Total acres	Peak Q (cfs)
SINGLE FAM	0.540	4.88	10.00	0.540	0.540	3.250	4.88	8.56

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*      MODIFIED RATIONAL METHOD
*      ---- Grand Summary For All Storm Frequencies ----
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First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN D
DEVELOPED 25 YEAR STORM

Area = 4.88 acres

Tc = 10.00 minutes

Area = 4.88 acres

VOLUMES

Frequency (years)	Adjusted 'C'	Duration minutes	Intens. in/hr	Qpeak cfs	Allowable cfs	Inflow (cu.ft.)	Storage (cu.ft.)
25	0.540	60	1.240	3.27	0.50	11,764	10,714

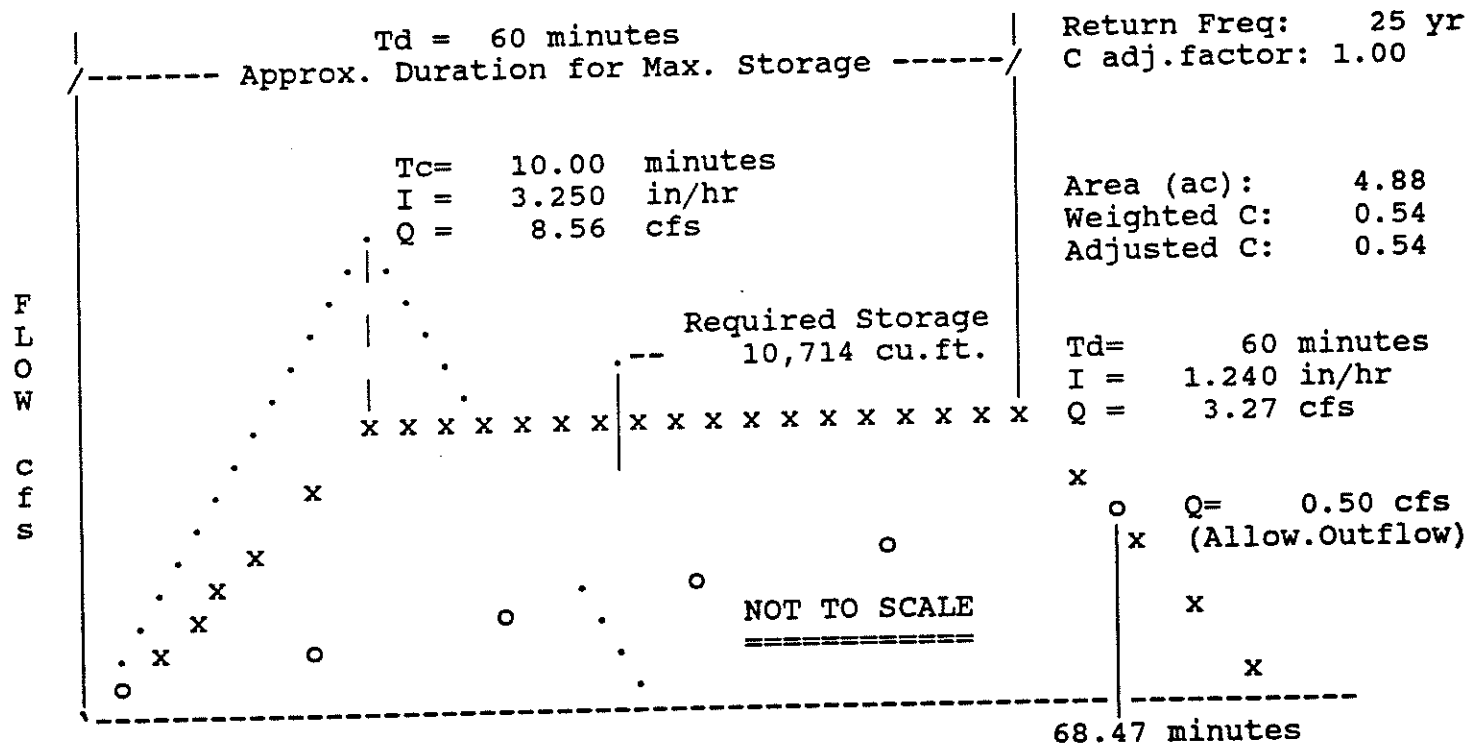
MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
 BASIN D
 DEVELOPED 25 YEAR STORM

 * RETURN FREQUENCY: 25 yr | Allowable Outflow: 0.50 cfs *
 * 'C' Adjustment: 1.000 | Required Storage: 10,714 cu.ft. *

 * Peak Inflow: 3.27 cfs | Inflow .HYD stored: CDF-D-DD.HYD *



Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 09:42:03 03-16-1999

CARDIFF - GLENWOOD SPRINGS
BASIN D
DEVELOPED 25 YEAR STORM

**** Modified Rational Hydrograph ****
Weighted C = 0.540 Area= 4.880 acres Tc = 10.00 minutes
Adjusted C = 0.540 Td= 60.00 min. I= 1.24 in/hr Qp= 3.27 cfs
RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: CDF-D-DD.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time Hours	Time increment = 0.083 Hours						
	Time on left represents time for first Q in each row.						
0.000	0.00	1.63	3.27	3.27	3.27	3.27	3.27
0.583	3.27	3.27	3.27	3.27	3.27	3.27	1.63
1.167	0.00						

Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 09:42:03 03-16-1999

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN D
DEVELOPED 25 YEAR STORM

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 0.50 cfs

Hydrograph file duration= 60.00 minutes
Hydrograph file: CDF-D-DD.HYD

Tc = 10.00 minutes

.....: VOLUMES

Weighted 'C'	Adjusted 'C'	Duration minutes	Intens. in/hr	Areas acres	Qpeak cfs	Inflow (cu.ft.)	Storage (cu.ft.)
0.540	0.540	10	3.250	4.88	8.56	5,139	4,839
0.540	0.540	15	2.750	4.88	7.25	6,522	6,147
0.540	0.540	20	2.400	4.88	6.32	7,589	7,139
0.540	0.540	30	1.920	4.88	5.06	9,107	8,507
0.540	0.540	40	1.590	4.88	4.19	10,056	9,306
0.540	0.540	50	1.390	4.88	3.66	10,989	10,089

***** Storage Maximum

0.540	0.540	60	1.240	4.88	3.27	11,764	10,714
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Quick TR-55 Ver.5.46 S/N:1315430326
 Executed: 16:11:58 03-15-1999

CARDIFF - GLENWOOD SPRINGS
 BASIN E
 DEVELOPED 25 YEAR STORM

* * * * * SUMMARY OF RATIONAL METHOD PEAK DISCHARGES * * * * *

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1.1
 Adj. 'C' = Wtd.'C' x 1.1

Subarea Descr.	Runoff 'C'	Area acres	Tc (min)	Wtd. 'C'	Adj. 'C'	I in/hr	Total acres	Peak Q (cfs)
SINGLE FAM	0.540	1.47						
MULTI FAM	0.600	1.63						
PARK	0.400	0.27						
			10.00	0.558	0.614	3.250	3.37	6.72

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*          MODIFIED RATIONAL METHOD  
*    ---- Grand Summary For All Storm Frequencies ----  
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First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN E
DEVELOPED 25 YEAR STORM

Area = 3.37 acres

Tc = 10.00 minutes

Area = 3.37 acres

VOLUMES

Frequency (years)	Adjusted 'C'	Duration minutes	Intens. in/hr	Qpeak cfs	Allowable cfs	Inflow (cu.ft.)	Storage (cu.ft.)
25	0.614	60	1.240	2.56	0.50	9,231	8,181

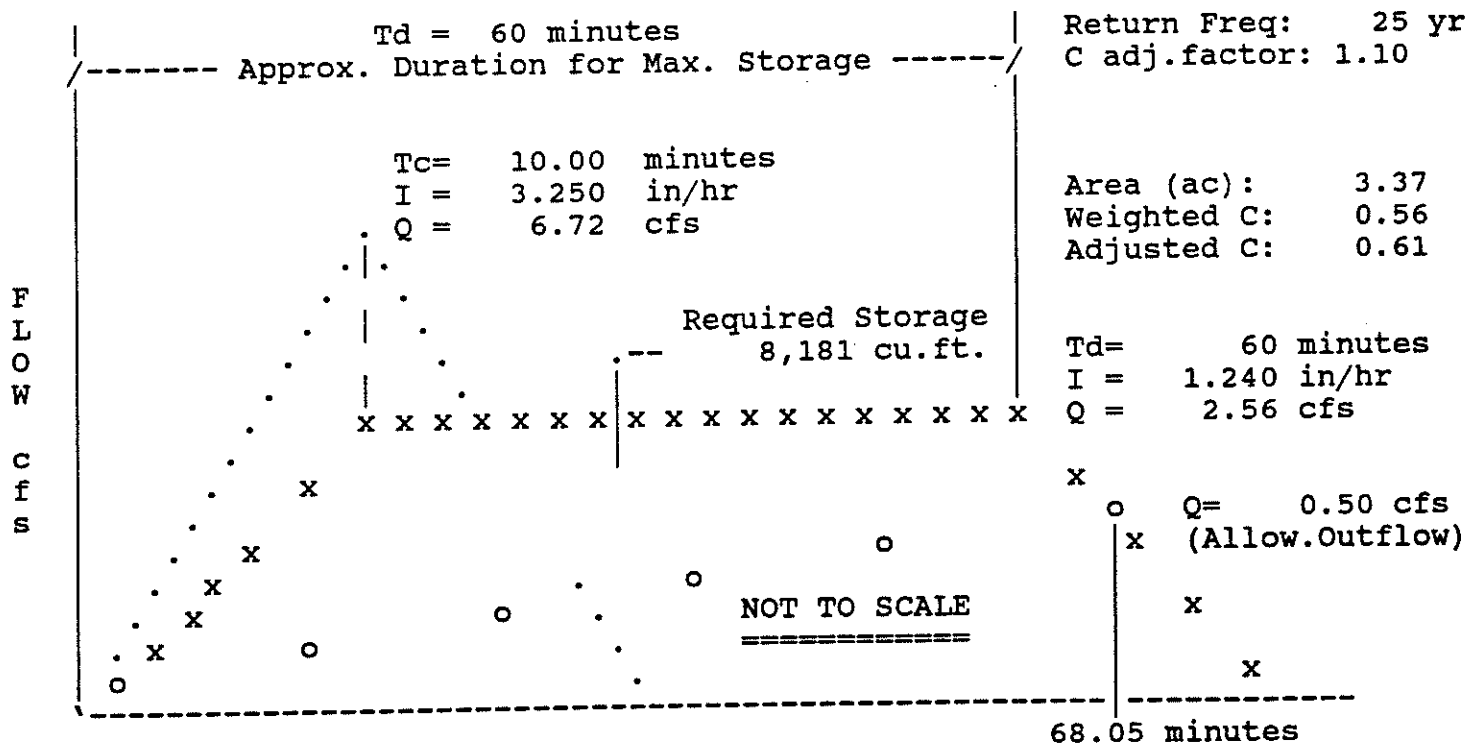
Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 16:11:58 03-15-1999

MODIFIED RATIONAL METHOD
---- Graphical Summary for Maximum Required Storage ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
BASIN E
DEVELOPED 25 YEAR STORM

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*****
* RETURN FREQUENCY: 25 yr | Allowable Outflow: 0.50 cfs *
* 'C' Adjustment: 1.100 | Required Storage: 8,181 cu.ft. *
*-----*
* Peak Inflow: 2.56 cfs | Inflow .HYD stored: CDF-D-EE.HYD *
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Quick TR-55 Ver.5.46 S/N:1315430326
Executed: 16:11:58 03-15-1999

CARDIFF - GLENWOOD SPRINGS
BASIN E
DEVELOPED 25 YEAR STORM

**** Modified Rational Hydrograph ****
Weighted C = 0.558 Area= 3.370 acres Tc = 10.00 minutes
Adjusted C = 0.614 Td= 60.00 min. I= 1.24 in/hr Qp= 2.56 cfs
RETURN FREQUENCY: 25 year storm Adj.factor = 1.10
Output file: CDF-D-EE.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time Hours	Time increment = 0.083 Hours						
	Time on left represents time for first Q in each row.						
0.000	0.00	1.28	2.56	2.56	2.56	2.56	2.56
0.583	2.56	2.56	2.56	2.56	2.56	2.56	1.28
1.167	0.00						

Quick TR-55 Ver.5.46 S/N:1315430326
 Executed: 16:11:58 03-15-1999

MODIFIED RATIONAL METHOD
 ---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

CARDIFF - GLENWOOD SPRINGS
 BASIN E
 DEVELOPED 25 YEAR STORM

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.100 Allowable Q = 0.50 cfs

Hydrograph file duration= 60.00 minutes
 Hydrograph file: CDF-D-EE.HYD

Tc = 10.00 minutes

						VOLUMES	
Weighted 'C'	Adjusted 'C'	Duration minutes	Intens. in/hr	Areas acres	Qpeak cfs	Inflow (cu.ft.)	Storage (cu.ft.)
0.558	0.614	10	3.250	3.37	6.72	4,032	3,732
0.558	0.614	15	2.750	3.37	5.69	5,118	4,743
0.558	0.614	20	2.400	3.37	4.96	5,955	5,505
0.558	0.614	30	1.920	3.37	3.97	7,146	6,546
0.558	0.614	40	1.590	3.37	3.29	7,891	7,141
0.558	0.614	50	1.390	3.37	2.87	8,623	7,723
***** Storage Maximum							
0.558	0.614	60	1.240	3.37	2.56	9,231	8,181

CARDIFF GLEN P.U.D. LOTS 95 AND 96
SOLSTICE TOWNHOMES INFRASTRUCTURE AND GRADING CONSTRUCTION
EROSION AND SEDIMENT TRANSPORT CONTROL PLAN NARRATIVE

PURPOSE – THE PURPOSE OF THE PLAN IS TO CONFIRM THE STANDARDS AND BEST PRACTICES USED DURING THE CONSTRUCTION AND DEVELOPMENT PHASE OF THE SOLSTICE NEIGHBORHOOD ON LOTS 95 AND 96 WHICH ARE LOCATED ON THE EASTERLY PORTIION OF THE APPROVED AND EXISTING CARDIFF GLEN P.U.D. IN THE CITY OF GLENWOOD SPRINGS, CO.

PLEASE REFER TO THE MAJOR GRADING AND DRAINAGE PLAN REPORT AND ADDENDUM AS WELL AS PLAN SHEETS C-1 AND C-4 INCLUDED IN THE OCTOBER 22ND PLAN SUBMITTAL.

THE PRIMARY CONCERN DURING THE CONSTRUCTION AND DEVELOPMENT IS SURFACE EROSION AND TRANSPORT OF SEDIMENT TO ADJACENT PROPERTIES OR NEARBY WATER WAYS.

PROPER MANAGEMENT OF CONSTRUCTION RELATED STORMWATER RUNOFF MINIMIZES DAMAGE TO PUBLIC AND PRIVATE PROPERTY AND GENERALLLY SAFEGUARDS PUBLIC HEALTH, SAFETY AND WELFARE, AND ALSO GENERALLY PROTECTS WATER RESOURCES AND AQUATIC WILDLIFE.

PROCESS AND CONDITIONS - A DRAFT DRAINAGE MAINTENANCE AGREEMENT HAS BEEN SUBMITTED. ONCE THE AGREEMENT IS FINALIZED AND APPROVED, IT WILL BE OF RECORD. THIS AGREEMENT OBLIGATES THE SOLSTICE TOWNHHOME OWNERS ASSOCIATION (STOA) TO MAINTAIN THE ON SITE STORM DRAINAGE FACILITITIES ONCE COMPLETED, DEDICATED AND ACCEPTED TO AND BY THE STOA.

THE SITE IS GENTLY DIRECTIONALLY SLOPING. THE SITE WILL PRIMARILY UTILIZE EXISTING CARDIFF GLEN STORM AND INCIDENTAL DRAINAGE FACILITIES ONCE COMPLETED. LOT 95 DRAINS ENTITRELY TO EXISTING FACILITIES DURING CONSTRUCTION AND ONCE COMPLETED. LOT 96 WILL PRIMARILY DRAIN TO EXISTING FACILITIES DURING CONSTRUCTION AND ONCE COMPLETED. THE EASTERLY PORTION OF BUILDINGS 3 AND 4 AND THE ADJACENT SITE ON LOT 96 WILL DRAIN TO A CONSTRUCTED RETENTION/DETENTION BASIN SHOWN ON THE SOUTHEASTERLY PORTION OF LOT 96.

MANAGEMENT AND MIITIGATION TECHNIQUES AND PRACTICES - DURING CONSTRUCTION, THE PRIMARY TECHNIQUES TO BE UTILIZED ARE THE INSTALLATION OF SILT FENCE AND SEDIMENT FILTER BAGS.

THE SILT FENCE WILL BE LOCATED AND PLACED AS PER THE ATTACHED SHEETS C-1 AND C-4. THE SILT FENCE LOCATION, AS PROPOSED, AS SHOWN IN BLUE. LOCATION ADJUSTMENTS MAY BE INCORPORATED IN THE FIELD TO PROVIDE FUNCTIONAL DOWN GRADIENT LOCATIONS.

THE SILT FENCE SHALL BE INSTALLED ON THE DOWN GRADIENT SIDE OF DISTURBED AREAS DURING CONSTRUCTION. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE REVEGETATED OR LANDSCAPED.

SEDIMENT FILTER BAGS WILL BE LOCATED AND PLACED ON EXISTING ADJACENT STREETS AS SHOWN ON THE ATTACHED SHEETS C-1 AND C-4 OR AS IT IS OTHERWISE DETERMINED TO BE OF BENEFIT.

DOWN GRADIENT SILT FENCE AND SEDIMENT FILTER BAGS WILL BE INSTALLED AS PER ENGINEERING AND INDUSTRY STANDARDS.

ALL FACILITIES WILL BE DILIGENTLY MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE SITE IS COMPLETED, LANDSCAPED AND REVEGETATED.

THE CONTRACTOR AND OWNER REPRESENTATIVES WILL WORK DILIGENTLY WITH THE PROJECT ENGINEER AND THE CITY OF GLENWOOD SPRINGS SHOULD UNFORSEEN CIRCUMSTANCES OCCUR.

THANK YOU FOR YOUR CONSIDERATION. WE LOOK FORWARD TO A SUCCESSFUL PROJECT.

MAINTENANCE AGREEMENT

THE STATE OF COLORADO

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF GARFIELD

THAT Solstice Townhome Owners Association (S.T.O.A.), a Colorado limited liability company, and the City of Glenwood Springs, hereby enter into an agreement regarding the maintenance of the On-Site Storm Drainage Facilities, Systems, Appurtenances and Water Features located within the Cardiff Glen P.U.D. Lots 95 and 96, Common Areas and Limited Common Areas not including Tract J, Spirit Mountain Park, situated in the County of Garfield, State of Colorado, to wit:

Cardiff Glen P.U.D. Amended Final Plat, Filing 8, Lots 95 and 96, Common Areas and Limited Common Areas. Lot 98 and Tract J, Spirit Mountain Park are excepted and are specifically excluded from this Agreement.

It is understood and agreed that S.T.O.A. L.L.C., as owner of the Subject Property, agrees to maintain On-Site Storm Drainage Facilities, Systems, Appurtenances and Water Features located on the Subject Property, if any, specifically Operation, Maintenance, Repair and Replacement. This covenant shall run with the land and be binding upon all successors and assigns. This Agreement may not be amended except by a written instrument signed by the then record owner of the Subject Property and the City of Glenwood Springs, which instrument shall be duly recorded.

In the event that maintenance is not performed, the City of Glenwood Springs will notify the property owner that the maintenance needs to be performed. The owner will have 30 days to complete the required maintenance. In the event that the maintenance is not performed and the City has to intervene because of public nuisance, all costs incurred by the City of Glenwood Springs will be charged to the property owner of record. The owner will have 30 days to remit payment to the City of Glenwood Springs.

IN WITNESS WHEREOF, the said limited liability company has caused these presents to be signed by its duly authorized agent, this ____ day of _____, 20____.

L.L.C.

Solstice Townhome Owners Association,

By: _____

Name: Abdallah Pirrzadeh

Its: President

ACKNOWLEDGEMENT

STATE OF COLORADO)
) ss:
COUNTY OF GARFIELD)

This instrument was acknowledged before me on _____, 20__, by _____, Agent of _____, L.L.C., on behalf of said limited liability company.

Notary Public

My Commission Expires:

**POTABLE WATER AND SANITARY SEWER MAINTENANCE
AGREEMENT**

THE STATE OF COLORADO

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF GARFIELD

THAT Solstice Townhome Owners Association (S.T.O.A.), a Colorado limited liability company, and the City of Glenwood Springs, hereby enter into an agreement regarding the maintenance of the On-Site Potable Water and Sanitary Sewer Wastewater Facilities, Systems, Services and Appurtenances located within the Cardiff Glen P.U.D. Service line(s) to and including Fire Hydrants are not subject to this Agreement. This includes Lots 95 and 96, Common Areas and Limited Common Areas not including Tract J, Spirit Mountain Park, situated in the County of Garfield, State of Colorado, to wit:

Cardiff Glen P.U.D. Amended Final Plat, Filing 8, Lots 95 and 96, Common Areas and Limited Common Areas. Lot 98 and Tract J, Spirit Mountain Park are excepted and are specifically excluded from this Agreement.

It is understood and agreed that S.T.O.A. L.L.C., as owner of the Subject Property, agrees to maintain On-Site Potable Water and Sanitary Sewer Wastewater Facilities, Systems, Services and Appurtenances located on the Subject Property, if any, specifically Operation, Maintenance, Repair and Replacement. Service line(s) to and including Fire Hydrants are not subject to this Agreement. This covenant shall run with the land and be binding upon all successors and assigns. This Agreement may not be amended except by a written instrument signed by the then record owner of the Subject Property and the City of Glenwood Springs, which instrument shall be duly recorded.

In the event that maintenance is not performed, the City of Glenwood Springs will notify the property owner that the maintenance needs to be performed. The owner will have 30 days to complete the required maintenance. In the event that the maintenance is not performed and the City has to intervene because of public nuisance, all costs incurred by the City of Glenwood Springs will be charged to the property owner of record. The owner will have 30 days to remit payment to the City of Glenwood Springs.

IN WITNESS WHEREOF, the said limited liability company has caused these presents to be signed by its duly authorized agent, this ____ day of _____, 20____.

Solstice Townhome Owners Association,
L.L.C.

By: _____

Name: Abdollah Pirrzadeh

Its: President

ACKNOWLEDGEMENT

STATE OF COLORADO)
) ss:
COUNTY OF GARFIELD)

This instrument was acknowledged before me on _____, 20__, by
_____, Agent of _____, L.L.C., on behalf of said limited
liability company.

Notary Public

My Commission Expires:



Hepworth-Pawlak Geotechnical, Inc.
5020 County Road 154
Glenwood Springs, Colorado 81601
Phone: 970-945-7988

Fax: 970-945-8454
email: hpgeo@hpgeotech.com

**SUBSOIL STUDY
FOR FOUNDATION DESIGN
PROPOSED RESIDENCES
LOTS 95 AND 96, CARDIFF GLEN
STOCKTON ROAD AND CULVER CIRCLE
GLENWOOD SPRINGS, COLORADO**

JOB NO. 107 0101

MAY 14, 2007

PREPARED FOR:

**VILLAGE HOMES
ATTN: RYAN MARTIN
2700 GILSTRAP COURT, SUITE 220
GLENWOOD SPRINGS, COLORADO 81601**

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PURPOSE AND SCOPE OF STUDY

This report presents the results of a subsoil study for proposed residences to be located on Lots 95 and 96, Cardiff Glen, Glenwood Springs, Colorado. The project site is shown on Figure 1. The purpose of the study was to develop recommendations for the foundation design. The study was conducted in accordance with our agreement for geotechnical engineering services to Village Homes dated February 26, 2007. Hepworth-Pawlak Geotechnical, Inc. previously conducted a preliminary geotechnical study for development of Cardiff Glen and presented our findings in a report dated March 31, 1999, Job No. 199 197.

A field exploration program consisting of exploratory borings was conducted to obtain information on the subsurface conditions. Samples of the subsoils obtained during the field exploration were tested in the laboratory to determine their classification, compressibility or swell and other engineering characteristics. The results of the field exploration and laboratory testing were analyzed to develop recommendations for foundation types, depths and allowable pressures for the proposed building foundation. This report summarizes the data obtained during this study and presents our conclusions, design recommendations and other geotechnical engineering considerations based on the proposed construction and the subsurface conditions encountered.

PROPOSED CONSTRUCTION

There will be three buildings on Lot 95 consisting of two single family residences and a five unit townhouse. One single family residence and four multi-family townhouses are planned on Lot 96. The townhouses on Lot 96 will be three, five unit buildings and an eight unit building. The proposed residences will be two story wood frame structures over crawlspaces. An optional garage is located at the north side of Lot 95 development. Grading for the structures is assumed to be relatively minor with cut depths between about 3 to 5 feet. We assume relatively light foundation loadings, typical of the proposed type of construction.

If building loadings, location or grading plans change significantly from those described above, we should be notified to re-evaluate the recommendations contained in this report.

SITE CONDITIONS

Lots 95 and 96 were being used as construction staging areas at the time of our field exploration. There were piles of fill and construction materials on the sites. The ground surface on each of the lots is relatively flat with gentle slopes down to the north. There is about 3 to 5 feet of elevation difference across each of the lots. Vegetation consists of sparse grass and weeds. Cobbles and boulders were exposed on the ground surface.

FIELD EXPLORATION

The field exploration for the project was conducted between March 14 and 22, 2007. Twenty exploratory borings were drilled at the locations shown on Figures 1 and 1A to evaluate the subsurface conditions. The borings were advanced with 4 inch diameter continuous flight augers powered by a truck-mounted CME-45B drill rig. The borings were logged by a representative of Hepworth-Pawlak Geotechnical, Inc.

Samples of the subsoils were taken with 1½ inch and 2 inch I.D. spoon samplers. The samplers were driven into the subsoils at various depths with blows from a 140 pound hammer falling 30 inches. This test is similar to the standard penetration test described by ASTM Method D-1586. The penetration resistance values are an indication of the relative density or consistency of the subsoils. Depths at which the samples were taken and the penetration resistance values are shown on the Logs of Exploratory Borings, Figures 2 and 3. The samples were returned to our laboratory for review by the project engineer and testing.

SUBSURFACE CONDITIONS

Graphic logs of the subsurface conditions encountered at the site are shown on Figures 2 and 3. The subsoils generally consist of between about 2 and 5 feet of clay with gravel and cobble fill overlying relatively dense, slightly silty to silty sandy gravel with cobbles and boulders. There was a 3 to 3½ foot layer of medium stiff to stiff, sandy silty clay between the fill and natural gravels in Borings 5 and 19. About 1½ feet of organic topsoil was encountered above the gravels in Borings 8 and 9. Drilling in the dense granular soils with auger equipment was difficult due to the cobbles and boulders and drilling refusal was encountered in the deposit.

Laboratory testing performed on samples obtained from the borings included natural moisture content, density and gradation analyses. Results of swell-consolidation testing performed on a relatively undisturbed drive sample of the clay soils, presented on Figure 5, indicate low to moderate compressibility under conditions of loading and wetting. Results of gradation analyses performed on small diameter drive samples (minus 1½ inch fraction) of the coarse granular subsoils are shown on Figures 6 and 7. The laboratory testing is summarized in Table 1.

No free water was encountered in the borings at the time of drilling and the subsoils were slightly moist to moist.

FOUNDATION BEARING CONDITIONS

Between 2 and 5 feet of existing fill was encountered above the natural subsoils in the borings drilled on the two lots. The existing fill soils are predominantly granular, but have a variable density with unknown compactive effort, and should be completely removed below building areas. After removal, the existing fill soils or imported granular fill, excluding rock larger than 6 inches, vegetation and topsoil can be used as structural fill to re-establish design footing or slab grades.

DESIGN RECOMMENDATIONS

FOUNDATIONS

Considering the subsurface conditions encountered in the exploratory borings and the nature of the proposed construction, we recommend the buildings be founded with spread footings bearing on the natural subsoils or compacted structural fill.

The design and construction criteria presented below should be observed for a spread footing foundation system.

- 1) Footings placed on the undisturbed natural subsoils or compacted structural fill should be designed for an allowable bearing pressure of 1,500 psf. Footings placed on the natural gravel soils or granular compacted structural fill placed on the gravels can be designed for an allowable soil bearing pressure of 3,000 psf. Based on experience, we expect settlement of footings designed and constructed as discussed in this section will be about 1 inch or less.
- 2) The footings should have a minimum width of 16 inches for continuous walls and 2 feet for isolated pads.
- 3) Exterior footings and footings beneath unheated areas should be provided with adequate soil cover above their bearing elevation for frost protection. Placement of foundations at least 36 inches below exterior grade is typically used in this area.
- 4) Continuous foundation walls should be reinforced top and bottom to span local anomalies such as by assuming an unsupported length of at least 10 feet. Foundation walls acting as retaining structures should also be designed to resist a lateral earth pressure corresponding to an equivalent fluid unit weight of at least 50 pcf.
- 5) All existing fill, topsoil and any loose or disturbed soils should be removed and the footing bearing level extended down to the natural soils. As an alternative, design bearing levels can be re-established with compacted

structural fill. The fill should be a granular material compacted to at least 100% of standard Proctor density at a moisture content near optimum.

The fill should extend laterally beyond the footings at least equal to the depth of fill below the footings. The exposed soils in footing area should then be moistened and compacted.

- 6) A representative of the geotechnical engineer should observe all footing excavations prior to concrete placement to evaluate bearing conditions.

FLOOR SLABS

The natural on-site soils, exclusive of topsoil and existing fill, are suitable to support lightly loaded slab-on-grade construction. To reduce the effects of some differential movement, floor slabs should be separated from all bearing walls and columns with expansion joints which allow unrestrained vertical movement. Floor slab control joints should be used to reduce damage due to shrinkage cracking. The requirements for joint spacing and slab reinforcement should be established by the designer based on experience and the intended slab use. A minimum 4 inch layer of sand and gravel should be placed beneath interior slabs-on-grade as a leveling course and for subgrade support. This material should consist of minus 2 inch aggregate with at least 50% retained on the No. 4 sieve and less than 12% passing the No. 200 sieve.

All fill materials for support of floor slabs should be compacted to at least 95% of maximum standard Proctor density at a moisture content near optimum. Required fill can consist of the on-site granular soils devoid of vegetation, topsoil and oversized rock.

SURFACE DRAINAGE

The following drainage precautions should be observed during construction and maintained at all times after the residences have been completed:

- 1) Inundation of the foundation excavations and underslab areas should be avoided during construction.

- 2) Exterior backfill should be adjusted to near optimum moisture and compacted to at least 95% of the maximum standard Proctor density in pavement and slab areas and to at least 90% of the maximum standard Proctor density in landscape areas.
- 3) The ground surface surrounding the exterior of the buildings should be sloped to drain away from the foundation in all directions. We recommend a minimum slope of 6 inches in the first 10 feet in unpaved areas and a minimum slope of 3 inches in the first 10 feet in paved areas.
- 4) Roof downspouts and drains should discharge well beyond the limits of all backfill.
- 5) Irrigation sprinkler heads and landscaping which requires regular heavy irrigation, such as sod, should be located at least 5 feet from foundation walls.

PAVEMENT SECTION

We understand that asphalt pavement is proposed for the access streets into the development and for parking areas. Traffic loadings were not available at the time of our report. The subgrade soils encountered below the existing fill at the site generally consist of gravel alluvium which is a good material for pavement support and likely have a Hveem 'R' value of at least 50. The fill and clay soils could be subexcavated to provide a gravel subgrade throughout pavement areas. On-site granular materials or imported fill will likely be needed for the roadway construction. The import soil should be a sand and gravel soil with a minimum Hveem stabilometer 'R' value of 50. Based on our experience, an 18 kip EDLA of 15, a Regional Factor of 2.0 and a serviceability index of 2.0, we recommend the minimum pavement section thickness consist of 3 inches of asphalt on 8 inches of base course.

The asphalt should be a batched hot mix, approved by the engineer and placed and compacted to the project specifications. The base course and any subbase material should meet CDOT Class 6 and Class 2 specifications, respectively. All base course, subbase

and required subgrade fill should be compacted to at least 95% of the maximum standard Proctor density at a moisture content within 2% of optimum.

Required fill to establish design subgrade level can consist of the on-site soils or suitable imported granular soils approved by the geotechnical engineer. Prior to fill placement the subgrade should be scarified to a depth of 8 inches (excluding dense gravels), adjusted to near optimum moisture and compacted to at least 95% of standard Proctor density. In soft or wet areas, the subgrade may require drying or stabilization prior to fill placement. A geogrid and/or subexcavation and replacement with aggregate base soils may be needed for the stabilization. The subgrade should be proofrolled. Areas that deflect excessively should be corrected before placing pavement materials. The subgrade improvements and placement and compaction of base and asphalt materials should be monitored on a regular basis by a representative of the geotechnical engineer. Once traffic loadings are better known, we should review our pavement section recommendations.

LIMITATIONS

This study has been conducted in accordance with generally accepted geotechnical engineering principles and practices in this area at this time. We make no warranty either express or implied. The conclusions and recommendations submitted in this report are based upon the data obtained from the exploratory borings drilled at the locations indicated on Figure 1, the proposed type of construction and our experience in the area. Our services do not include determining the presence, prevention or possibility of mold or other biological contaminants (MOBC) developing in the future. If the client is concerned about MOBC, then a professional in this special field of practice should be consulted. Our findings include interpolation and extrapolation of the subsurface conditions identified at the exploratory borings and variations in the subsurface conditions may not become evident until excavation is performed. If conditions encountered during construction appear different from those described in this report, we should be notified so that re-evaluation of the recommendations may be made.

This report has been prepared for the exclusive use by our client for design purposes. We are not responsible for technical interpretations by others of our information. As the project evolves, we should provide continued consultation and field services during construction to review and monitor the implementation of our recommendations, and to verify that the recommendations have been appropriately interpreted. Significant design changes may require additional analysis or modifications to the recommendations presented herein. We recommend on-site observation of excavations and foundation bearing strata and testing of structural fill by a representative of the geotechnical engineer.

Respectfully Submitted,

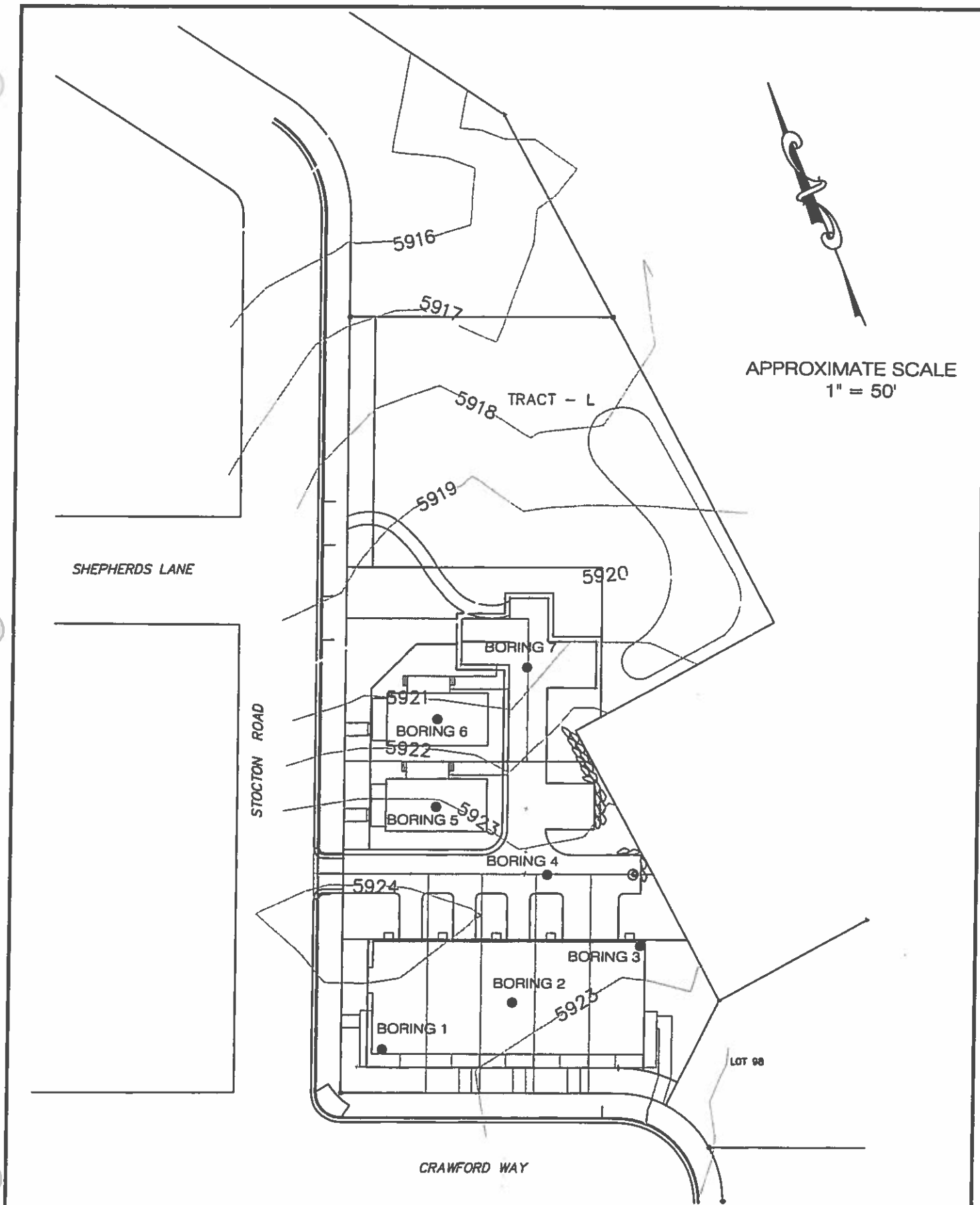
HEPWORTH - PAWLAK GEOTECHNICAL, INC.

Jordy Z. Adamson, Jr., P.E.

Reviewed by:

Steven L. Pawlak, P.E.

JZA/vad

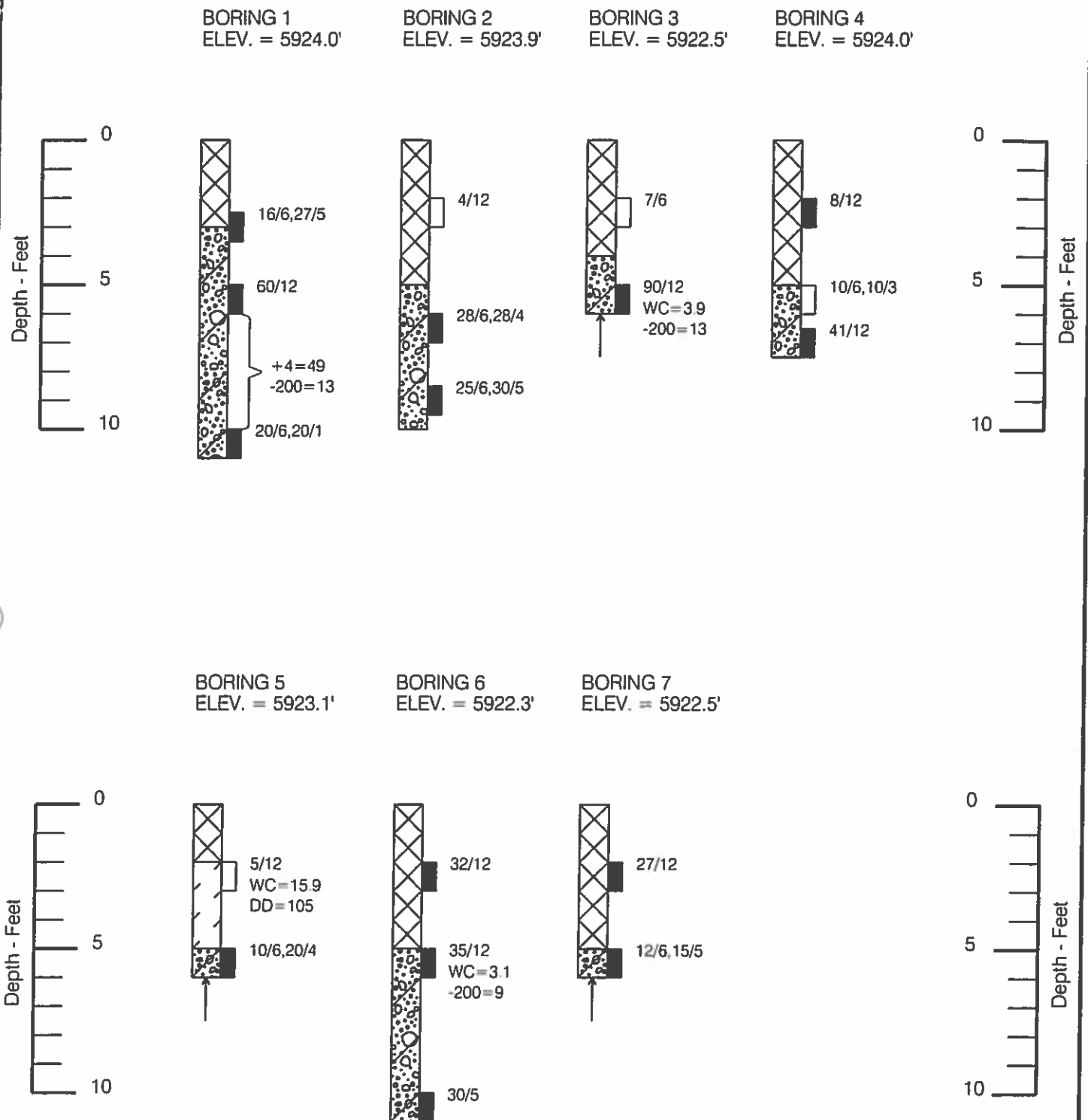


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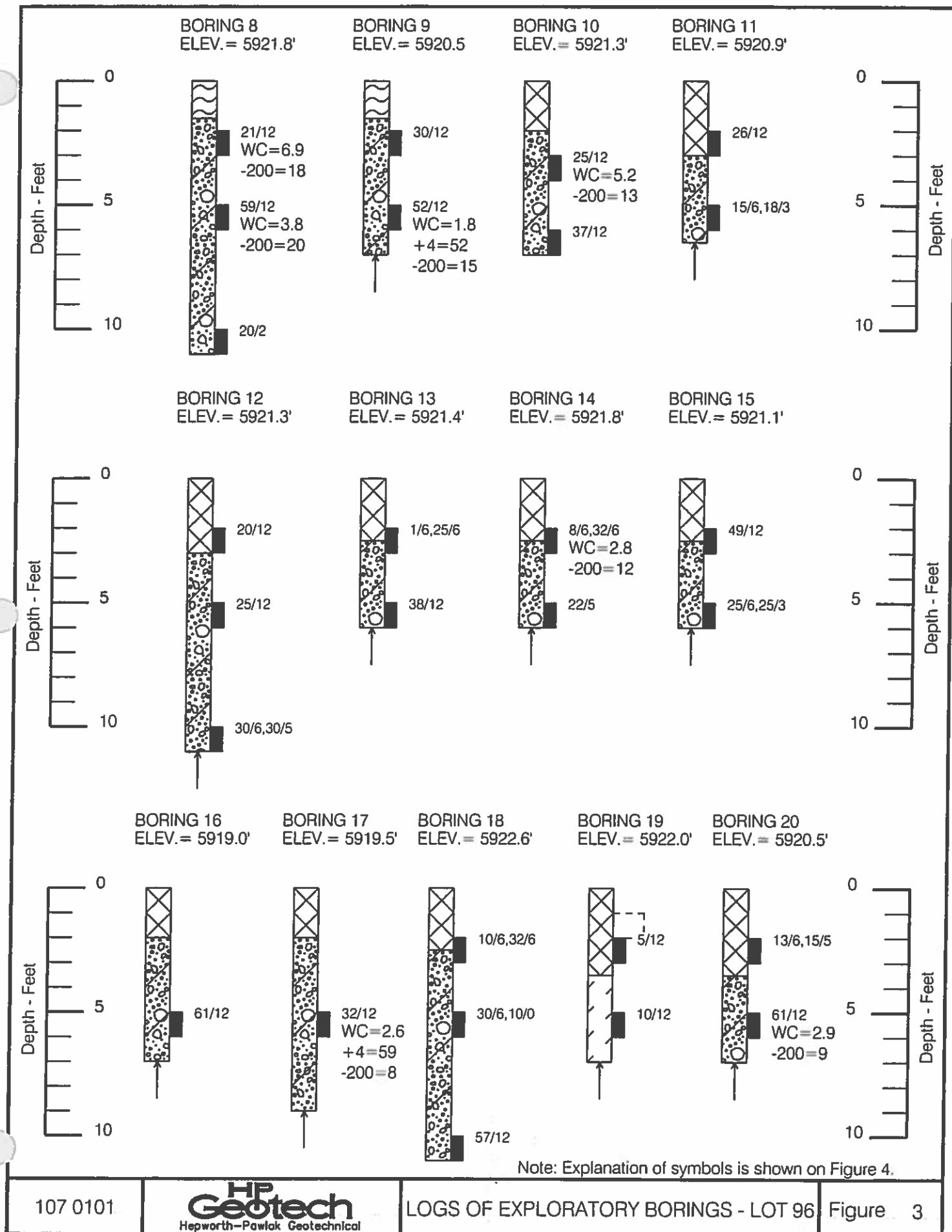
HP
Geotech
Hepworth-Pawlak Geotechnical

LOCATION OF EXPLORATORY BORINGS -
LOT 95

Figure 1



Note: Explanation of symbols is shown on Figure 4.



107 0101

HP Geotech
Hepworth-Pawlak Geotechnical

LOGS OF EXPLORATORY BORINGS - LOT 96

Figure 3

LEGEND:



FILL; sandy silty clay with gravel, cobbles, and scattered boulders, organics, loose to medium dense, slightly moist to moist, brown to dark brown.



TOPSOIL; sandy silty clay, organics, firm, moist, dark brown.



CLAY (CL); silty, sandy, medium stiff to stiff, slightly moist to moist, brown to reddish brown.



GRAVEL (GP-GM); sandy, slightly silty to silty, with cobbles and boulders, medium dense to dense, slightly moist, brown, subrounded to rounded rocks.



Relatively undisturbed drive sample; 2-inch I.D. California liner sample.



Drive sample; standard penetration test (SPT), 1 3/8 inch I.D. split spoon sample, ASTM D-1586.

4/12

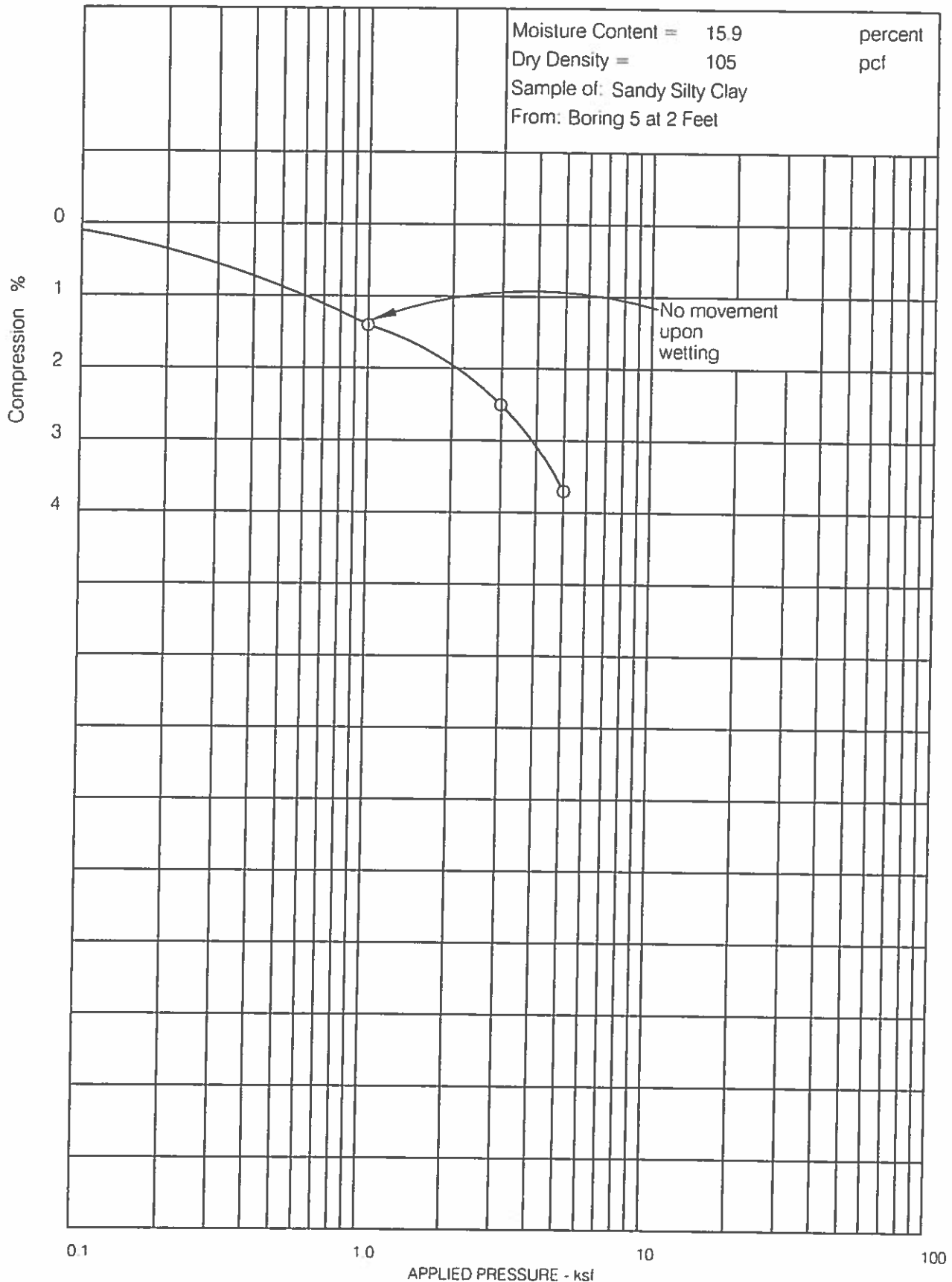
Drive sample blow count; indicates that 4 blows of a 140 pound hammer falling 30 inches were required to drive the California or SPT sampler 12 inches.



Practical drilling refusal. Where shown above bottom of log, indicates that multiple attempts were made to advance the boring.

NOTES:

1. Exploratory borings were drilled between March 14 and 22, 2007 with 4-inch diameter continuous flight power auger.
2. Locations of exploratory borings were measured approximately by pacing from features shown on the site plan provided.
3. Elevations of exploratory borings were obtained from the survey stakes at each of the boring locations.
4. The exploratory boring locations and elevations should be considered accurate only to the degree implied by the method used.
5. The lines between materials shown on the exploratory boring logs represent the approximate boundaries between material types and transitions may be gradual.
6. No free water was encountered in the borings at the time of drilling. Fluctuation in water level may occur with time.
7. Laboratory Testing Results:
 WC = Water Content (%)
 DD = Dry Density (pcf)
 -200 = Percent retained on the No. 20 sieve
 -200 = Percent passing on the No. 20 sieve

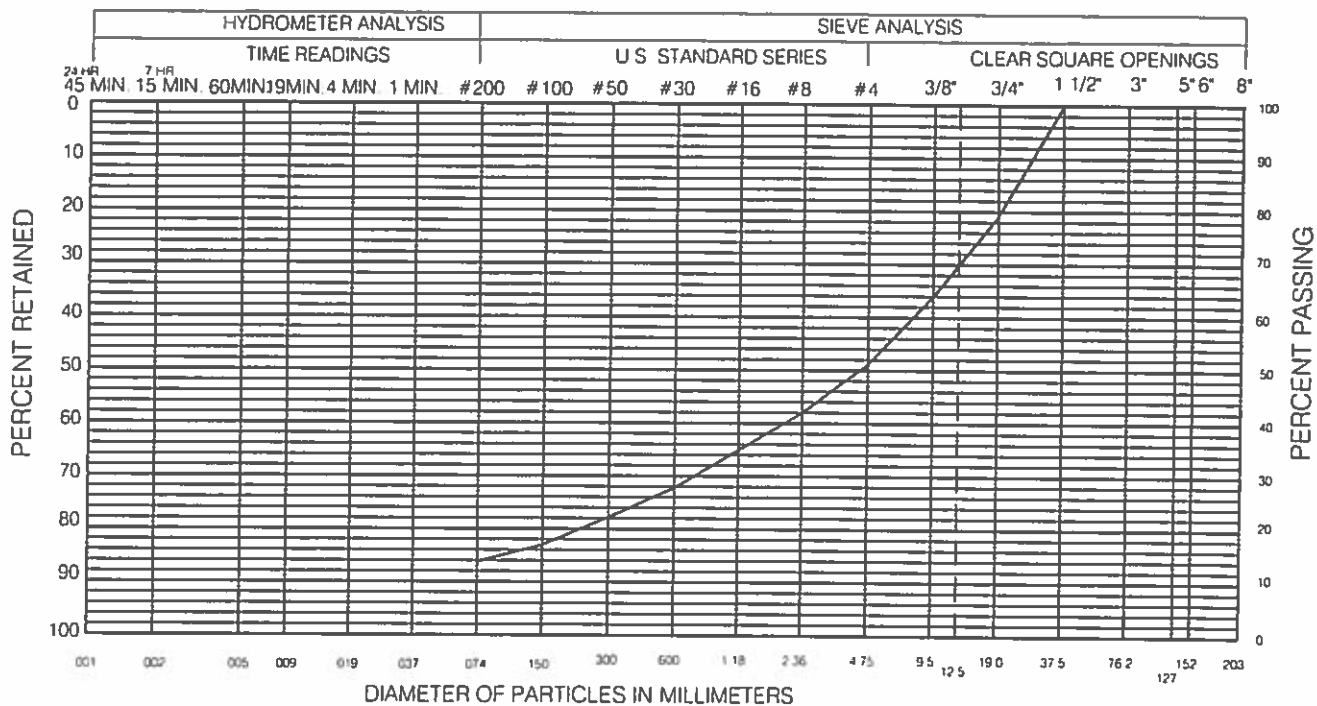


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 HEPWORTH-PAWLAK GEOTECHNICAL

SWELL-CONSOLIDATION TEST RESULTS

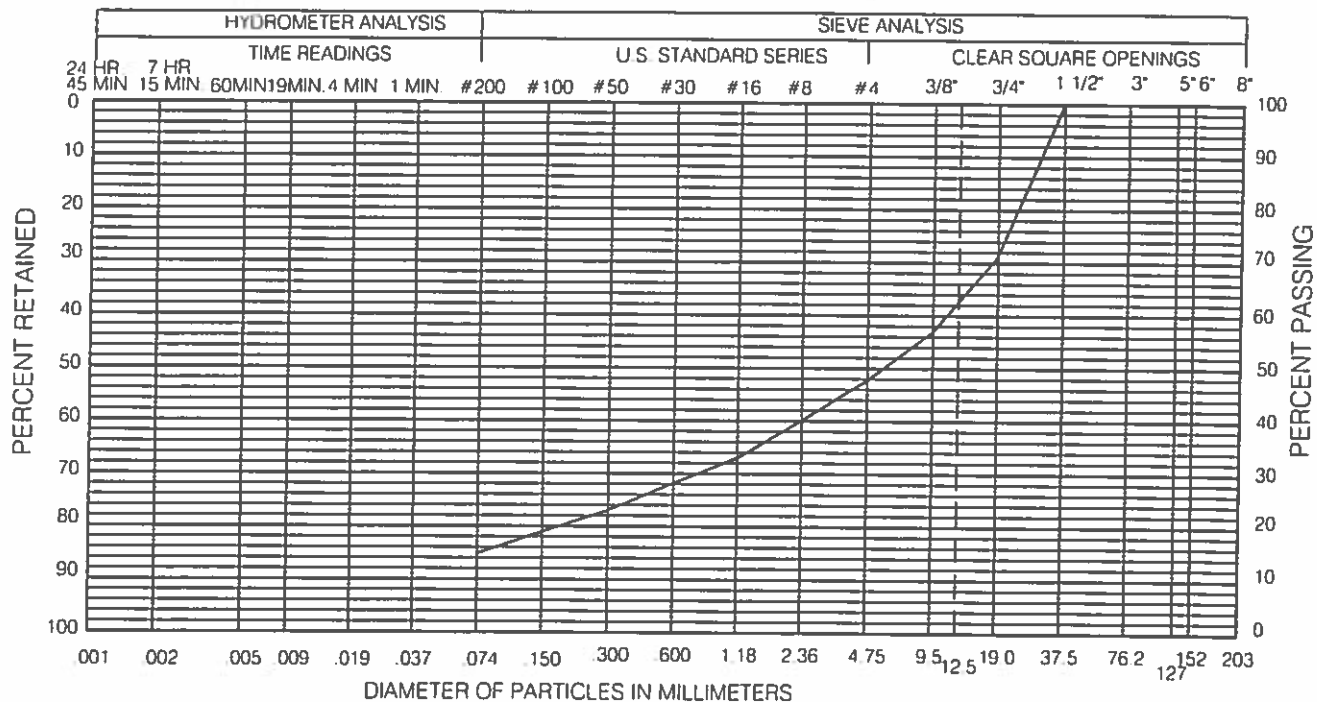
Figure 5



CLAY TO SILT		SAND			GRAVEL		COBBLES
FINE	MEDIUM	COARSE	FINE	COARSE			
GRAVEL 49 %		SAND 38 %			SILT AND CLAY 13 %		
LIQUID LIMIT %		PLASTICITY INDEX %					

SAMPLE OF: Silty Sandy Gravel

FROM: Boring 1 at 5 and 10 Feet



CLAY TO SILT		SAND			GRAVEL		COBBLES
FINE	MEDIUM	COARSE	FINE	COARSE			
GRAVEL 52 %		SAND 33 %			SILT AND CLAY 15 %		
LIQUID LIMIT %		PLASTICITY INDEX %					

SAMPLE OF: Silty Sandy Gravel

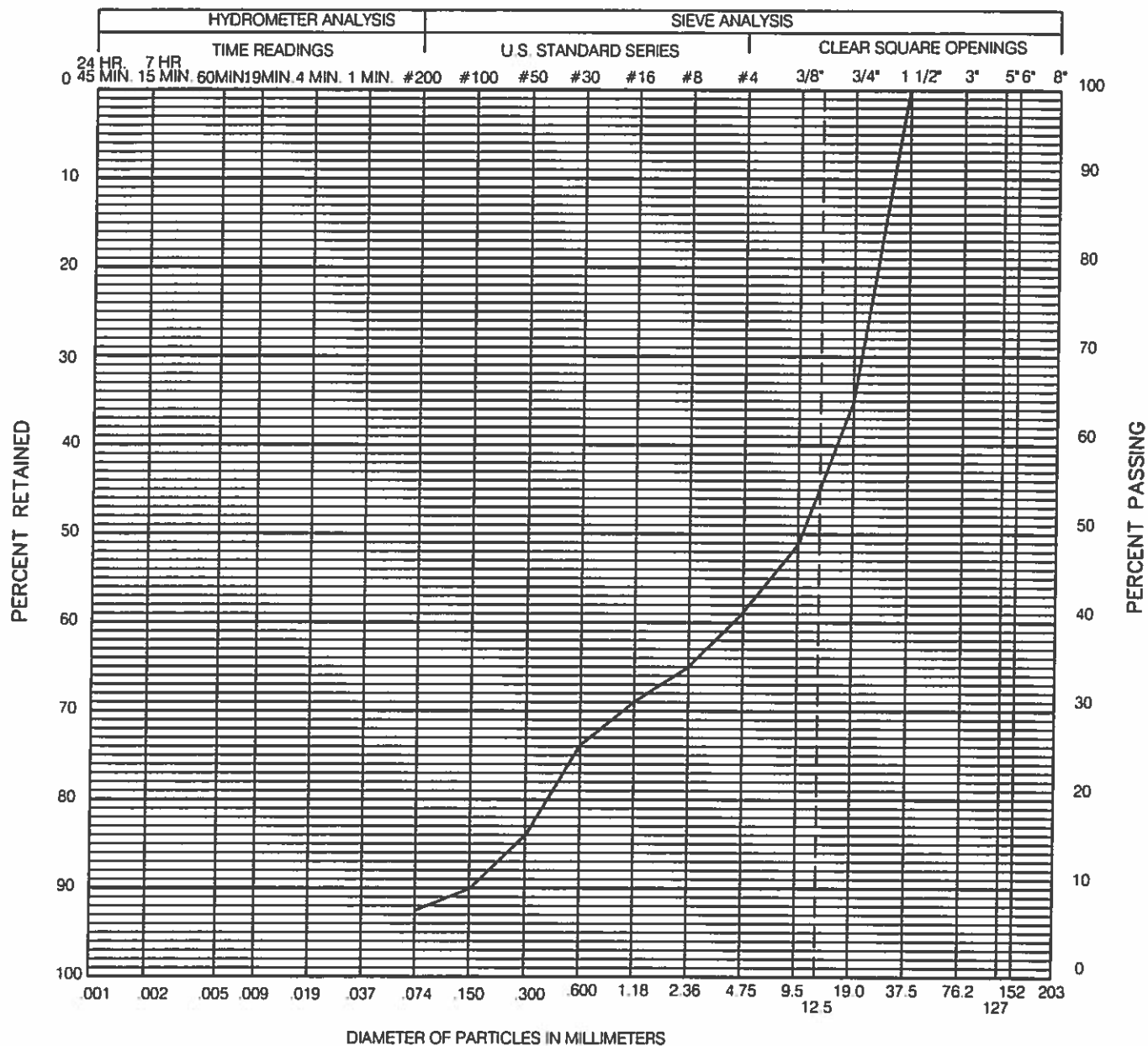
FROM: Boring 9 at 5 Feet

107 0101

HP Geotech
HEPWORTH-PAWLAK GEOTECHNICAL

GRADATION TEST RESULTS

Figure 6



LIQUID LIMIT %

PLASTICITY INDEX %

SAMPLE OF: Slightly Silty Sandy Gravel

FROM: Boring 17 at 5 Feet

107 0101

HP
Geotech
Hepworth-Pawlak Geotechnical

GRADATION TEST RESULTS

Figure 7

TABLE 1
SUMMARY OF LABORATORY TEST RESULTS

BORING	SAMPLE LOCATION		NATURAL MOISTURE CONTENT (%)	NATURAL DRY DENSITY (pcf)	GRADATION		PERCENT PASSING NO. 200 SIEVE	ATTERBERG LIMITS		UNCONFINED COMPRESSIVE STRENGTH (PSF)	SOIL OR BEDROCK TYPE
	DEPTH (ft)				GRAVEL (%)	SAND (%)		LIQUID LIMIT (%)	PLASTIC INDEX (%)		
1	5 and 10 combined		2.6		49	38	13				Silty Sandy Gravel
3	5		3.9				13				Silty Sandy Gravel
5	2		15.9	105							Sandy Silty Clay
6	5		3.1				9				Slightly Silty Sandy Gravel
8	2		6.9				18				Silty Sandy Gravel
	5		3.8				20				Silty Sandy Gravel
9	5		1.8		52	33	15				Silty Sandy Gravel
10	3		5.2				13				Silty Sandy Gravel
14	2		2.8				12				Silty Sandy Gravel
17	5		2.6		59	33	8				Slightly Silty Sandy Gravel
20	5		2.9				9				Slightly Silty Sandy Gravel

Office Locations: Denver (HQ), Parker, Colorado Springs, Fort Collins, Glenwood Springs, Summit County, Colorado

October 4, 2018

Cardiff 96, LLC
Attn: Abdi Pirzadeh
110 Spur Drive
Glenwood Springs, CO 81601
(abdi@aspenbuilt.net)

Project No. 18-7-506

Subject: Percolation Testing, Proposed Detention Basin, Lot 96, Cardiff Glen, Stockton Road and Culver Circle, Glenwood Springs, Colorado

Gentlemen:

As requested, H-P/Kumar performed percolation testing at the subject site. The work was done as additional services to, and in accordance with, our agreement for professional services to Cardiff 96, LLC, dated August 6, 2018. Hepworth-Pawlak Geotechnical (now H-P/Kumar) performed a subsoil study for the property and presented the findings in a report dated May 14, 2007, Job No. 107 0101

A percolation test hole was excavated with a backhoe on October 4, 2018 in the area of the proposed detention basin in the southeastern part of Lot 96. The subsoils exposed in the percolation test hole consisted of about 1 foot of topsoil overlying about 2 feet of previously placed fill material consisting of silty sandy gravel and cobbles. Native silty sandy gravel and cobbles were exposed in the bottom of the pit depth of 3 feet. No free water was observed in the pit and the soils were slightly moist to moist. A percolation test hole was hand dug in the bottom of the shallow backhoe pit and filled with water.

Percolation testing was conducted by a representative of H-P/Kumar. The percolation test results are summarized on Table 1. The average percolation rate was 10 min/in.

If you have any questions or need further assistance, please call our office.

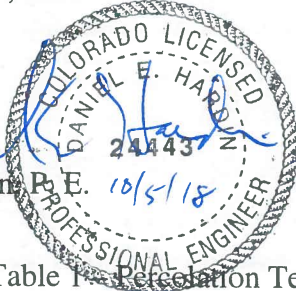
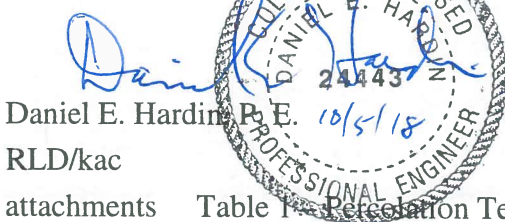
Sincerely,

H-P KUMAR



Robert L. Duran, E. I.

Reviewed by:



Daniel E. Hardin, P.E. 10/5/18
RLD/kac
attachments Table 1 - Percolation Test Results

cc: Ian Hause (creativeresultsconsulting@yahoo.com)
Hans Brucker (pinnacledesign@sopris.net)

H-P ≈ KUMAR

**TABLE 1
PERCOLATION TEST RESULTS**

PROJECT NO. 18-7-506

HOLE NO.	HOLE DEPTH (INCHES)	LENGTH OF INTERVAL (MIN)	WATER DEPTH AT START OF INTERVAL (INCHES)	WATER DEPTH AT END OF INTERVAL (INCHES)	DROP IN WATER LEVEL (INCHES)	AVERAGE PERCOLATION RATE (MIN./INCH)
1	30	5 Water added	6	4½	1½	10
			4½	4	½	
			4	3½	½	
			5½	5	½	
			5	4½	½	
			4½	4	½	
			4	3½	½	

Note: The percolation test hole was hand dug in the bottom of a backhoe pit on October 4, 2018. Percolation testing was conducted on October 4, 2018. The average percolation rate was based on the last three readings of the test.

HEPWORTH-PAWLAK GEOTECHNICAL, INC.

5000 Road 154
Glenwood Springs, CO 81601

Fax 970 945-8454
Phone 970 945-7988

RECEIVED

AUG 04 1999

PARTAIN
CONSTRUCTION, INC.

**PRELIMINARY GEOTECHNICAL STUDY
PROPOSED CARDIFF GLEN DEVELOPMENT
BETWEEN MIDLAND AVENUE AND GLENWOOD AIRPORT
GLENWOOD SPRINGS, COLORADO**

JOB NO. 199 197

MARCH 31, 1999

CC: HARRY GARNER
9-10-99

PREPARED FOR:

**CARDIFF GLEN
C/O BAKER FALLIN ASSOCIATES
ATTN: JOHN BAKER
1001 SOUTH GRAND AVENUE, SUITE 211
GLENWOOD SPRINGS, COLORADO 81601**

HEPWORTH - PAWLAK GEOTECHNICAL, INC.

March 31, 1999

Cardiff Glen
c/o Baker Fallin Associates
Attn: John Baker
1001 South Grand Avenue, Suite 211
Glenwood Springs, Colorado 81601

Job No. 199 197

Subject: Report Transmittal, Preliminary Geotechnical Study, Proposed Cardiff Glen Development, Between Midland Avenue and Glenwood Airport, Glenwood Springs, Colorado.

Dear Mr. Baker:

As requested, we have conducted a geotechnical study for the proposed development at the subject site. The findings are considered suitable for planning and preliminary design.

Subsurface conditions encountered in the exploratory borings drilled in the proposed development area generally consist of about ½ to 2½ feet of fill and debris overlying relatively dense silty sandy gravel with cobbles and boulders. About 6 feet of fill was encountered in Boring 1 at the southwest corner of the property. Groundwater was not encountered in the borings and the soils were slightly moist to moist.

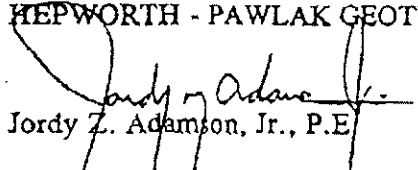
Spread footings placed on the natural subsoils below the existing fill or compacted structural fill and designed for an allowable bearing pressure of in the range of 1,500 to 3,000 psf appear suitable for building support. Foundations and slabs should bear below the existing fill and debris. Site specific studies should be conducted for individual building design within the development.

The report which follows describes our exploration, summarizes our findings, and presents our recommendations suitable for planning and preliminary design. It is important that we provide consultation during design, and field services during construction to review and monitor the implementation of the geotechnical recommendations.

If you have any questions regarding this report, please contact us.

Sincerely,

HEPWORTH - PAWLAK GEOTECHNICAL, INC.


Jordy Z. Adamson, Jr., P.E.

Rev. By: SLP

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PURPOSE AND SCOPE OF STUDY

This report presents the results of a preliminary geotechnical study for the proposed residential development to be located between Midland Avenue and the Glenwood Airport in Glenwood Springs, Colorado. The project site is shown on Fig. 1. The purpose of the study was to evaluate the geologic and subsurface conditions and their impact on the project. The study was conducted in accordance with our proposal for geotechnical engineering services to Cardiff Glen, dated February 23, 1999.

A field exploration program consisting of a reconnaissance and exploratory borings was conducted to obtain information on the site and subsurface conditions. Samples of the subsoils obtained during the field exploration were tested in the laboratory to determine their classification and other engineering characteristics. The results of the field exploration and laboratory testing were analyzed to develop recommendations for project planning and preliminary design. This report summarizes the data obtained during this study and presents our conclusions and recommendations based on the proposed development and subsurface conditions encountered.

PROPOSED DEVELOPMENT

The proposed development will consist of a single family residential subdivision with limited commercial areas as shown on Fig. 1. Interconnecting roadways will provide access to the lots. Midland Avenue will be improved along the project boundary. We assume the residences will be typical of the area and be two to three stories with a partial or full basement. Grading for the development is assumed to be relatively minor. The development will be serviced with municipal water and sewer systems.

If development plans change significantly from those described, we should be notified to re-evaluate the recommendations presented in this report.

- 2 -

SITE CONDITIONS

The proposed development area was vacant at the time of our field work. The development area is bounded by County Road 116 (Midland Avenue), Sopris Elementary School and the Glenwood Airport property. The ground surface is gently rolling with a slight slope down to the north-northwest. There is less than about 20 feet of elevation difference across the development area. A ditch is located along the eastern property line. Abandoned coke ovens are located to the southeast of the property. Debris and slag fill from the operation of the ovens is scattered over much of the site. Piles of fill up to about 3 feet high are located in the northwestern part of the property. Vegetation consists of sparse grass, weeds and sagebrush.

GEOLOGIC CONDITIONS

The project site is located on gravel terrace deposits of the Roaring Fork River (Kirkham and Others, 1995). We expect the gravel alluvium is on the order of about 70 feet deep in this area. The gravel alluvium is underlain by the Eagle Valley Formation in this area (Kirkham and Others, 1995). These rocks are a sequence of maroon and grayish-red sandstone, conglomerate and mudstone with some gypsum. The site lies outside areas identified by The City of Glenwood Springs as having debris flow and hydrocompressive soil hazards (Lincoln-DeVore, 1978).

FIELD EXPLORATION

The field exploration for the project was conducted on March 5, 1999. Eight exploratory borings were drilled at the locations shown on Fig. 1 to evaluate the subsurface conditions. The borings were advanced with 4 inch diameter continuous flight auger powered by a truck-mounted Longyear BK-51HD drill rig. The borings were logged by a representative of Hepworth-Pawlak Geotechnical, Inc.

H-P GEOTECH

- 3 -

Samples of the subsoils were taken with 1½ inch and 2 inch I.D. spoon samplers. The samplers were driven into the subsoils at various depths with blows from a 140 pound hammer falling 30 inches. This test is similar to the standard penetration test described by ASTM Method D-1586. The penetration resistance values are an indication of the relative density or consistency of the subsoils. Depths at which the samples were taken and the penetration resistance values are shown on the Logs of Exploratory Borings, Fig. 2. The samples were returned to our laboratory for review by the project engineer and testing.

SUBSURFACE CONDITIONS

Graphic logs of the subsurface conditions encountered at the site are shown on Fig. 2. The subsoils generally consist of about ½ to 2½ feet of fill and debris overlying relatively dense, silty sandy gravel containing cobbles and boulders. About 6 feet of fill was encountered in Boring 1. Between about 1 and 2½ feet of sandy silt and clay was encountered in Borings 4, 7 and 8 above the gravels. Drilling in the dense gravel with auger equipment was difficult due to the cobbles and boulders and drilling refusal was encountered in the deposit.

Laboratory testing performed on samples obtained from the borings included natural moisture content, Atterberg limits and gradation analyses. Results of gradation analyses performed on small diameter drive samples (minus ¾ and 1½ inch fraction) of the more granular soils are shown on Fig. 4. The laboratory testing is summarized in Table I.

No free water was encountered in the borings at the time of drilling and the subsoils were slightly moist to moist.

PRELIMINARY DESIGN RECOMMENDATIONS

Development of the property should be feasible based on geotechnical considerations. The existing fill and debris should be removed from building and

- 4 -

pavement areas. Structural fill could be needed in areas of existing fill to re-establish design bearing levels. The conclusions and recommendations presented below are based on the proposed development, subsurface conditions encountered in the exploratory borings, and our experience in the area. The recommendations are suitable for planning and preliminary design but site specific studies should be conducted for individual lot development.

FOUNDATIONS

Bearing conditions will vary depending on the specific location of the building on the property. Based on the nature of the proposed construction spread footings bearing on the natural subsoils or compacted structural fill should be suitable at the building sites. We expect the footings can be sized for an allowable bearing pressure in the range of 1,500 psf to 3,000 psf. The existing fill is not suitable for support of structures. The silt and clay soils could tend to settle when loaded and wetted and result in post construction settlement. As an alternative the fill and fine grained soils could be subexcavated and design bearing levels re-established with properly compacted structural fill. Foundation walls should be designed to span local anomalies and to resist lateral earth loadings when acting as retaining structures. Below grade areas and retaining walls should be protected from wetting and hydrostatic loading by use of an underdrain system. The footings should have a minimum depth of 36 inches for frost protection.

FLOOR SLABS

Slab-on-grade construction should be feasible for bearing on the natural soils. There could be some post construction slab movement at sites with the fine grained soils which could be collapsible. The existing fill and debris should be removed from building areas. To reduce the effects of some differential movement, floor slabs should be separated from all bearing walls and columns with expansion joints. Floor slab control joints should be used to reduce damage due to shrinkage cracking. A minimum 4 inch thick layer of free-draining gravel should underlie basement level slabs to

H-P GEOTECH

- 5 -

facilitate drainage. Structural fill that supports floor slabs should be properly placed and compacted to at least 95% of standard Proctor density at a moisture content near optimum.

UNDERDRAIN SYSTEM

Although free water was not encountered in the exploratory borings, it has been our experience in the area that local perched groundwater can develop during times of heavy precipitation or seasonal runoff. An underdrain system should be provided to protect below-grade construction, such as retaining walls and basement areas from wetting and hydrostatic pressure buildup. The drains should consist of drainpipe surrounded above the invert level with free-draining granular material. The drain should be placed at each level of excavation and at least 1 foot below lowest adjacent finish grade and sloped at a minimum 1% to a suitable gravity outlet. Shallow crawlspace areas should not need a perimeter foundation drain provided backfill is well compacted and there is a positive slope away from the building.

SURFACE DRAINAGE

The grading plan for the subdivision should consider runoff from off site sources through the project and at individual sites. Water should not be allowed to pond which could impact slope stability, foundations and pavement areas. To limit infiltration into the bearing soils next to buildings, exterior backfill should be compacted to at least 90% of standard Proctor density and have a positive slope away from the building for a distance of 10 feet. Roof downspouts and drains should discharge well beyond the limits of all backfill and landscape irrigation should be restricted.

PAVEMENT SUBGRADE

We understand that widening and upgrading of Midland Avenue will be done as part of the Cardiff Glen project. A subsoil study had been conducted by Chen Northern, Inc. for evaluation of the subgrade conditions along Midland Avenue (Chen-Northern, 1991). The near surface subsoils encountered in the project area typically

- 6 -

consisted of man-placed coal-coke and soil mixtures underlain by sandy silt and clay soils. Relatively dense sandy gravel with cobbles and boulders was encountered beneath the silt and clay. A Hveem stabilometer 'R' value of 15 had been determined by Chen-Northern for the fine grained soils. The underlying gravels are a good material for pavement support and likely have a Hveem stabilometer 'R' value of at least 50. The fill, silt and clay soils could be subexcavated to provide a gravel subgrade throughout pavement areas. The silt and clay soils are several feet thick below Midland Avenue. Structural fills should be compacted to at least 95% of the maximum standard Proctor density near optimum moisture content. Prior to fill placement, the subgrade should be carefully prepared by removing all vegetation, topsoil and existing fill and compacting to at least 95% of standard Proctor density near optimum moisture content. The on-site soils excluding oversized rock and debris should be suitable for use in embankment fills.

LIMITATIONS

This study has been conducted according to generally accepted geotechnical engineering principles and practices in this area at this time. We make no warranty either expressed or implied. The conclusions and recommendations submitted in this report are based upon the data obtained from the field reconnaissance, review of published geologic reports, the exploratory borings located as shown on Fig. 1, the proposed type of construction and our experience in the area. Our findings include interpolation and extrapolation of the subsurface conditions identified at the exploratory borings and variations in the subsurface conditions may not become evident until excavation is performed. If conditions encountered during construction appear different from those described in this report, we should be notified so that re-evaluation of the recommendations may be made.

This report has been prepared for the exclusive use by our client for planning and preliminary design purposes. We are not responsible for technical interpretations by others of our information. As the project evolves, we should provide continued

- 7 -

consultation, conduct additional evaluations and review and monitor the implementation of our recommendations. Significant design changes may require additional analysis or modifications to the recommendations presented herein. We recommend on-site observation of excavations and foundation bearing strata and testing of structural fill by a representative of the geotechnical engineer.

Respectfully Submitted,

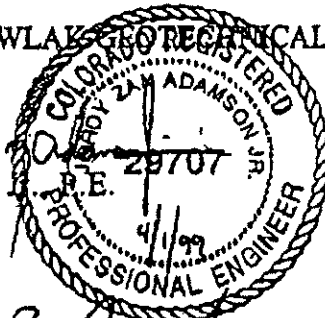
HEPWORTH - PAWLAK GEOTECHNICAL, INC.

Jordy Z. Adamson, P.E.

Reviewed By:

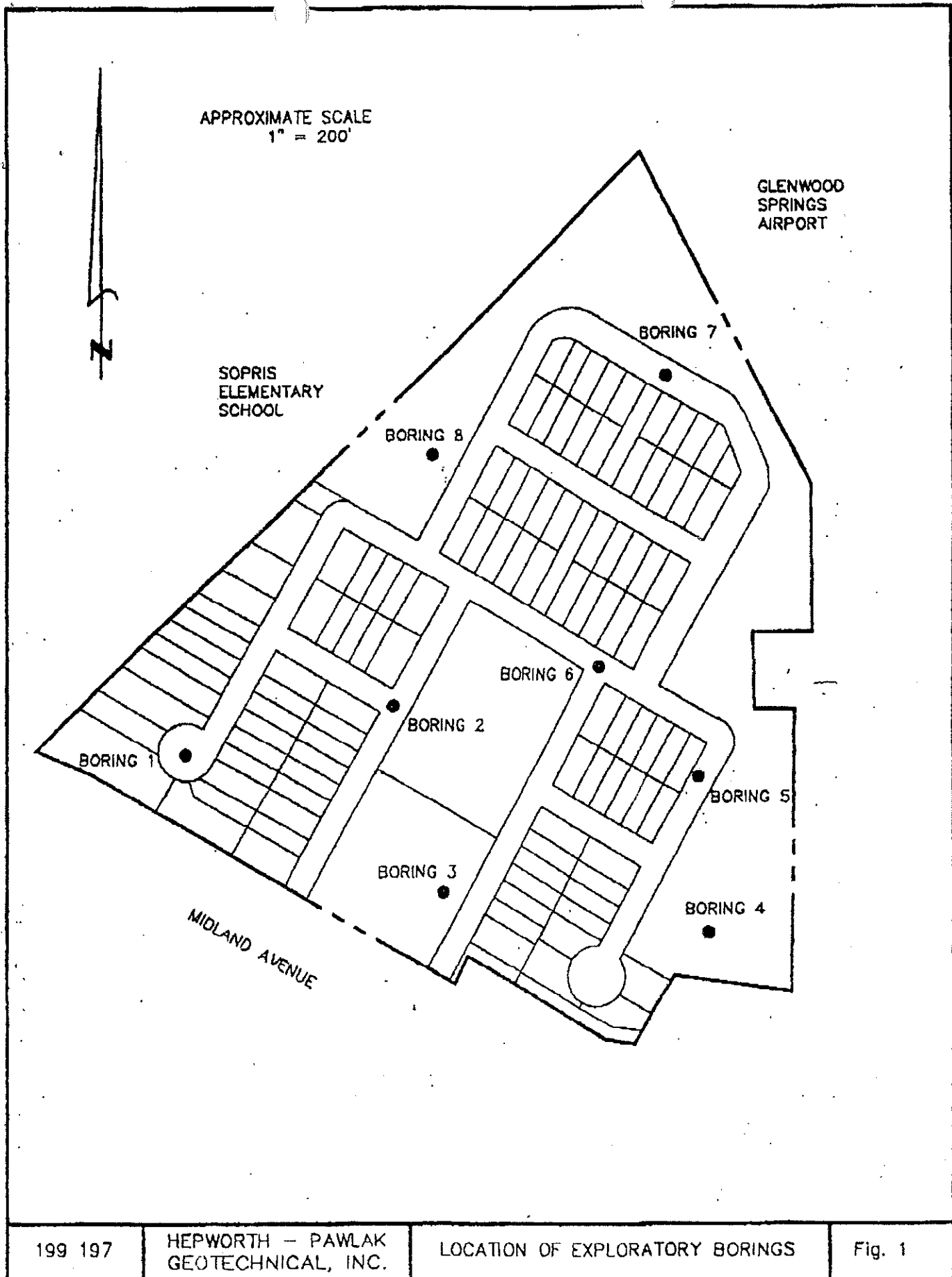
Steven L. Pawlak, P.E.

JZA/rs0



REFERENCES

- Chen-Northern, Inc., 1991. *Interim Report, Subsoil Study for Evaluation of Subgrade Conditions, Midland Avenue, Alternate Route Study, Glenwood Springs, Garfield County, Colorado*. Prepared for URS Consultants, Inc., dated February 1, 1991, Job No. 4 576 90.
- Kirkham, R.M. and Others, 1995. *Geologic Map of the Glenwood Springs Quadrangle, Garfield County, Colorado*. Colorado Geological Survey Open File Map 95-3.
- Lincoln-DeVore, 1978. *Geologic Hazards of the Glenwood Springs Metropolitan Area, Garfield County, Colorado*. Colorado Geological Survey Open File Report 78-10.

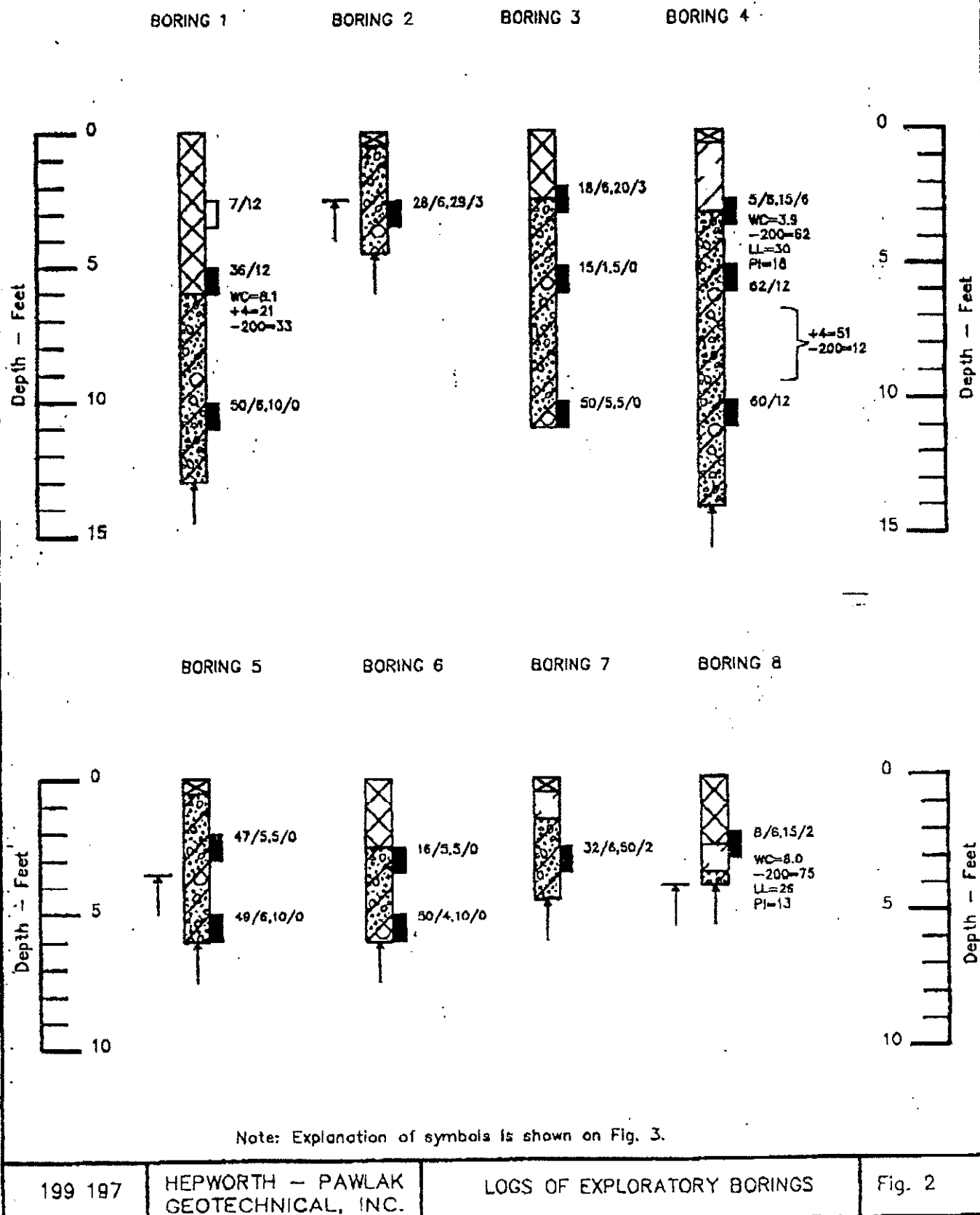


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LOCATION OF EXPLORATORY BORINGS

Fig. 1



LEGEND:



FILL; silt and sand with slag, cinders and coal, scattered gravel and cobbles, loose to medium dense, slightly moist, brown, organics, debris.



SILT AND CLAY (ML-CL); sandy, occasional gravel, medium stiff to stiff, slightly moist, brown to reddish brown, slightly porous, slightly calcareous.



GRAVEL (GM); silty, sandy, with cobbles and boulders, medium dense to dense, slightly moist, light brown.



Relatively undisturbed drive sample; 2-inch I.D. California liner sample.



Drive sample; standard penetration test (SPT), 1 3/8-inch I.D. split spoon sample, ASTM D - 1586.

7/12

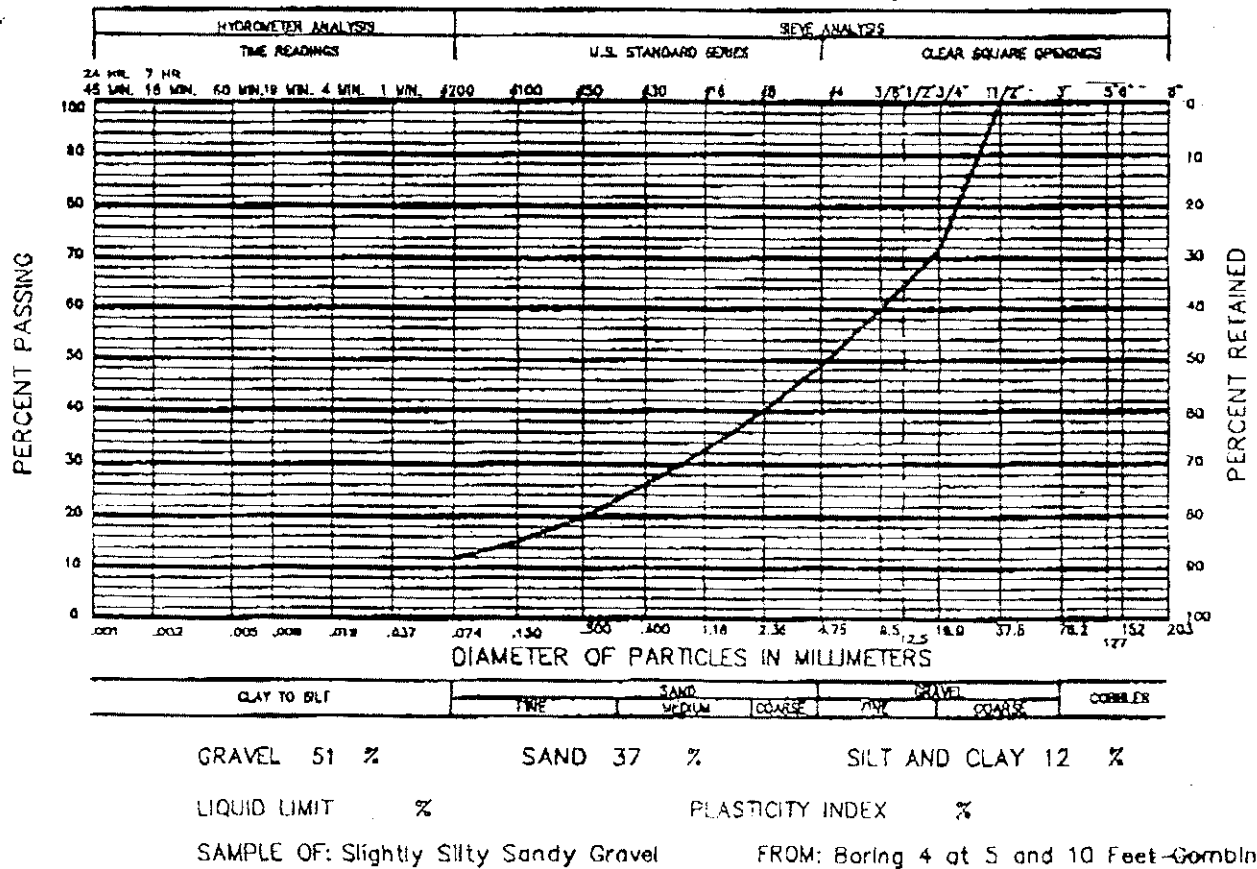
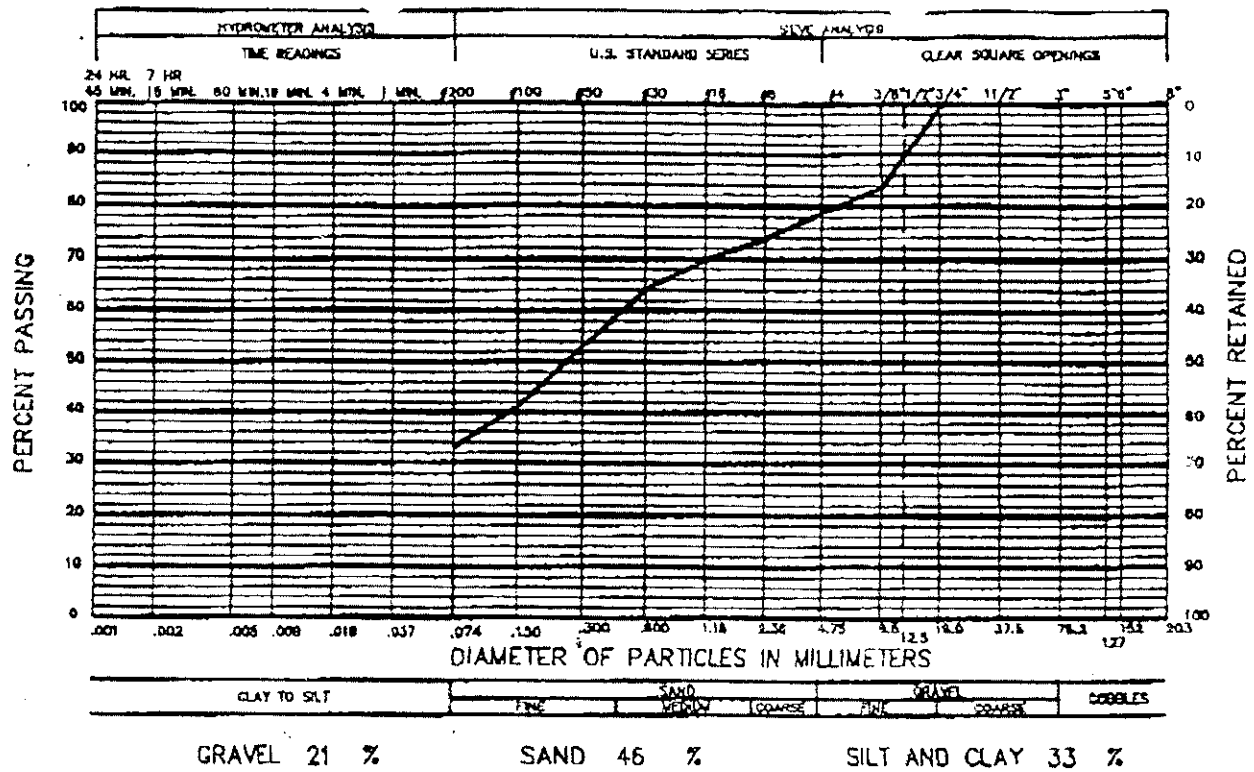
Drive sample blow count; indicates that 7 blows of a 140-pound hammer falling 30 inches were required to drive the California or SPT sampler 12 inches.



Practical rig refusal. Where shown above bottom of log, indicates multiple attempts were made to advance the auger.

NOTES:

1. Exploratory borings were drilled on March 5, 1999 with a 4-inch diameter continuous flight power auger.
2. Locations of exploratory borings were measured approximately by pacing from features shown on the site plan provided.
3. Elevations of exploratory borings were not measured and the logs of exploratory borings are drawn to depth.
4. The exploratory boring locations should be considered accurate only to the degree implied by the method used.
5. The lines between materials shown on the exploratory boring logs represent the approximate boundaries between material types and transitions may be gradual.
6. No free water was encountered in the borings at the time of drilling.
Fluctuation in water level may occur with time.
7. Laboratory Testing Results:
 - WC = Water Content (%)
 - +4 = Percent retained on No. 4 sieve.
 - 200 = Percent passing No. 200 sieve.
 - LL = Liquid Limit (%)
 - PI = Plasticity Index (%)



199.197

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GEOTECHNICAL, INC.

GRADATION TEST RESULTS

Fig. 4

Return Upon Recordation To:

Garfield & Hecht, P.C.
Attn: David McConaughy
420 Seventh St. #100
Glenwood Springs, CO 81601

**DECLARATION
FOR
SOLSTICE TOWNHOMES**

**DRAFT
October 22,
2018**

DECLARATION FOR SOLSTICE TOWHOMES

THIS DECLARATION FOR SOLSTICE TOWNHOMES is made and entered into this _____ day of _____, 2018, by Cardiff 96, LLC, a Colorado limited liability company (the "Declarant").

Recitals

A. Declarant is the owner of the real property located in Garfield County, State of Colorado identified on attached Exhibit A (the "Property"). The purpose of this Declaration is to create a condominium project ("Project") by submitting the Property to the condominium form of ownership and use pursuant to the Colorado Common Interest Ownership Act, Article 33.3, Title 38, Colorado Revised Statutes, as amended and supplemented from time to time ("Act")

B. The Property is improved with twenty-nine townhouse style condominium units (each a "Unit"). The Property is further improved with parking spaces and driveways. The functions, activities, physical appearance and other features commonly associated with residential uses hereby are and shall be expressly permitted in the Community (defined below), as more particularly described, provided for and governed herein.

C. This Declaration and the Association (defined below) are being formed to (1) provide for the operation, administration, use, and maintenance of certain common areas and other property as described herein below; (2) to preserve, protect, and enhance the values and amenities of such property; and (3) to promote the health, safety, and welfare of the members of the Association.

D. The Units are designated on the Plat. The Common Elements and Limited Common Elements are also designated on the Plat.

E. In accordance with Section 118 of the Colorado Common Interest Ownership Act, the Declarant hereby submits the Property and the Project to the provisions of the Act. In the event that the Act is repealed, the Act, on the effective date of this Declaration, shall remain applicable.

F. By this Declaration and the Plat, a plan is hereby established for the separate fee simple ownership of the Units by the Owners as depicted in the Plat.

NOW, THEREFORE, the Declarant does hereby publish and declare that the following terms, covenants, conditions, easements, restrictions, uses, reservations, limitations, and obligations shall be deemed to run with the land comprising the Property and the Community, and shall be a burden and a benefit to the Owners, their lenders, grantees, successors, heirs, executors, administrators, devisees, and assigns.

ARTICLE 1 General Purposes and Declaration

1.1 General Purposes. Declarant is the owner of certain real property described on Exhibit A, according to the Final Plat thereof recorded on _____, 2018, as Reception No. _____ in the Office of the Clerk and Recorder of Garfield County, Colorado. The real property, together with all improvements now or hereafter situated thereon, are hereinafter collectively referred to as the "Project." Declarant intends to develop the Project as a planned community under the name and style of "Solstice Townhomes" pursuant to the provisions of the Colorado Common Interest Ownership Act, Section 38-33.3-101, et. seq. of the Colorado Revised Statutes, as it may be amended from time to time (the "Act"). The planned community hereby created is hereinafter referred to as the "Community". The Community shall contain a maximum of twenty-nine (29) townhomes.

1.2 Declaration. For the purposes set forth above and herein, the Declarant for itself and its successors and assigns hereby declares that the Community and each part thereof shall be owned, held, transferred, conveyed, sold, leased, rented, hypothecated, encumbered, used, occupied, improved, altered, maintained and enjoyed subject to the covenants, conditions, restrictions, assessments, charges, servitudes, liens, reservations, exceptions, easements, privileges, rights and other provisions hereinafter set forth, for the duration hereof, all of which are declared to be part of, pursuant to, and in furtherance of a common and general plan of development, improvement, enhancement, use, occupancy and enjoyment of the Community, and all of which shall run with the land and be binding upon and inure to the benefit of (i) the Community and every part thereof, (ii) Declarant and its successors and assigns, (iii) the Association and its successors and assigns, (iv) every Member of the Association, and (v) all Owners, Occupants and other Persons having or acquiring any right, title, or interest in or to the Community or any part thereof, including all improvements therein, and their respective heirs, personal representatives, successors and assigns.

ARTICLE 2

Definitions

When used in this Declaration, the following terms shall have the meanings hereinafter specified. If a term is not defined herein, it shall have the meaning ascribed to it in the Master Declaration. If a term is not defined herein, it shall have the meaning ascribed to it in the Act.

2.1 Allocated Interests. "Allocated Interests" means the Common Expenses liability and the votes in the Association allocated to each Unit (including Townhome Unit), which interests are allocated as follows:

- (a) The Common Expenses liability allocated to each Unit in equal percentages as stated on attached Exhibit B. Such percentage is then multiplied by the Common Expenses or the Assessment in question to determine that Unit's share thereof. Common Expenses liability of a Unit is determined without reference to the location, value or use of the Unit.
- (b) One (1) vote in the Association is allocated to each Unit in the Community.

- (c) If Units are added to or withdrawn from the Community or converted to Common Element, (i) the Common Expenses liability for each Unit shall be reallocated on the basis of a percentage in the same manner as set forth in paragraph 2.1 (a) above following the addition, withdrawal or conversion of such Units, and (ii) one vote in the Association shall continue to be allocated to each Unit in the Community following the addition, withdrawal or conversion of such Units.

The Allocated Interests for the Community are specifically set forth on Exhibit B attached hereto and made a part hereof by this reference.

2.2 Articles of Incorporation. "Articles of Incorporation" or "Articles" means the Articles of Incorporation of Solstice Townhome Owners Association, which have been or will be filed with the office of the Secretary of State of the State of Colorado, as the same may be amended from time to time.

2.3 Assessment. "Assessment" means a Regular Assessment, Special Assessment, or Reimbursement Assessment.

2.4 Association. "Association" means the Solstice Townhome Owners Association, a Colorado nonprofit corporation, its successors and assigns.

2.5 Board of Directors. "Board of Directors" or "Board" means the executive body of the Association.

2.6 Budget. "Budget" means a written itemized estimate of the Common Expenses to be incurred by the Association in performing its functions under this Declaration and adopted by the Board of Directors pursuant to Section 10.7 of this Declaration.

2.7 Building or Buildings. "Building" or "Buildings" means one or more of the townhome structures that may be constructed from time to time on the Property.

2.8 Bylaws. "Bylaws" means the Bylaws of the Association which have been or will be adopted by the Board of Directors of the Association, as the same may be amended from time to time.

2.9 Common Elements. "Common Elements" means all of the Community except the Units or Townhome Units. The Common Elements shall be conveyed to the Association upon completion of construction of all Units, and shall include, but are not limited to:

- (a) All land designated as Common Element and Limited Common Element on the Plat, and all improvements, landscaping, fixtures and personal property thereon which may from time to time be owned by the Association, and all common lighting, common utilities (including without limitation the common water, sewer main, water main and

storm drainage system), common access driveway, and water features within the Community; and

- (b) All easements created or reserved on the Plat, in this Declaration, or in any separate agreement, for the use and benefit of the Association.

2.10 Common Expenses. "Common Expenses" means any expenditures made or liabilities incurred by or on behalf of the Association, together with any allocations to reserves.

2.11 Community. "Community" means the real property described as [insert description] according to the Plat thereof recorded as Reception No. _____, together with all improvements and other amenities now or hereafter located thereon, and together with all easements, rights, appurtenances and privileges belonging or in any way pertaining thereto.

2.12 Declaration. "Declaration" means this Declaration for Solstice Townhomes, as it may be amended from time to time.

2.13 Governing Documents. "Governing Documents" means the Declaration, the Articles, the Bylaws, the Rules, the Design Guidelines, the CCIOA Policies and the Construction Rules.

2.14 Limited Common Element. "Limited Common Element" means a Common Element that is designated by this Declaration or on the Plat for the exclusive use of one or more Units in the Community but fewer than all of the Townhome Units.

2.15 Member. "Member" means each Unit Owner, including the Successor Declarant. Membership in the Association shall be appurtenant to, and may not be separated from, ownership of a Unit.

2.16 Occupant. "Occupant" means any person who is a tenant in a Unit pursuant to a lease with the Owner thereof, or any person who is present within the Community as a family member, guest or invitee of an Owner, an Occupant, or the Association.

2.17 Owner. "Owner" means the Person, including Declarant, or, if more than one, all Persons collectively, who hold fee simple title of record to a Unit, including sellers under executory contracts of sale and excluding buyers thereunder. The term "Owner" shall be analogous to the term "Unit Owner", as that term is defined in the Act.

2.18 Person. "Person" means a natural person, a corporation, a partnership, a limited liability company, an association, a trust, or any other entity or any combination thereof.

2.19 Plat. "Plat" means the Plat of Solstice Townhomes as recorded on _____, 2018, as Reception No. _____ in the Office of the Clerk and Recorder of Garfield County, Colorado, as the Plat may be amended from time to time.

2.20 Regular Assessment. "Regular Assessment" means a charge against each Owner and the Owner's Unit for purposes of covering the annual costs of operating and administering the Association and all other Common Expenses. Regular Assessments are based on a Budget adopted

by the Board of Directors in accordance with Section 10.7 below, and are allocated to the Units in accordance with the Allocated Interests.

2.21 Reimbursement Assessment. "Reimbursement Assessment" means a charge against a particular Owner and the Owner's Townhome Unit for the purpose of reimbursing the Association for costs and expenses incurred by the Association in connection with the enforcement of any provision hereof or the remedying of any violation by the Owner or an Occupant of this Declaration or any amendment hereto, the Articles, Bylaws, or Rules and Regulations, or for purposes set forth in the Declaration, pursuant to Section 10.9 hereof, together with late charges and interest as provided for herein. Reimbursement Assessments shall include, without limitation, any Common Expense caused by the misconduct of any Townhome Unit Owner or of such Owner's Occupants.

2.22 Rules and Regulations. "Rules and Regulations" means such rules and regulations as may be adopted from time to time by the Board of Directors, as provided in Section 7.3 of this Declaration.

2.23 Special Assessment. "Special Assessment" means a charge against each Owner and the Owner's Townhome Unit for purposes of reimbursing the Association for costs and expenses incurred or to be incurred by the Association for the purpose of paying for the construction, reconstruction, repair or replacement of capital improvements within the Community, the costs of which were not included in a Regular Assessment, or for excess reconstruction costs or other extraordinary expenses, or for funding any operating deficit of the Association, as authorized by the Board of Directors from time to time as provided herein.

2.24 Unit. "Unit" means each of Units 1 – 29 of the Solstice Townhomes as depicted and described on the Plat.

ARTICLE 3

General Provisions and Restrictions Applicable to the Community

3.1 Intent of Declaration. It is the intention of Declarant to establish and impose a common and general plan for the improvement, development, use and occupancy of the Community, all in order to enhance the value, desirability, and attractiveness of the Community and to promote the marketing, development and enjoyment thereof. Accordingly, Declarant hereby declares that the entire Community shall be owned, held, used occupied, improved, altered, maintained, conveyed, leased, encumbered and enjoyed subject to the covenants, conditions, restrictions, reservations, easements, rights and other provisions contained in this Declaration.

3.2 Description of a Unit. Every contract for sale, deed, lease, security interest and every other legal document or instrument shall legally describe a Unit as follows:

Unit _____, Solstice Townhomes, according to the Declaration for Solstice Townhomes, recorded as Reception No. _____ on _____, 2018 and according to the Plat recorded as Reception No. _____ recorded on

_____, 2018, in the Office of the Clerk and Recorder of Garfield County, Colorado.

Such description shall be legally sufficient for all purposes to sell, convey, transfer, encumber or otherwise affect the Townhome Unit and its appurtenances, including all improvements thereon, and to incorporate all of the rights, interests, obligations, restrictions and burdens appurtenant or incident to ownership of a Townhome Unit as set forth in this Declaration and the Plat. Each such description shall be construed to include a non-exclusive easement over the Common Elements for appropriate ingress and egress to and from each Townhome Unit, and a non-exclusive right to use and enjoy the Common Elements (excepting any Limited Common Elements), subject to all applicable provisions of this Declaration.

3.3 Unit Boundaries. The Unit lines shown on the Plat shall be the perimeter boundaries of the Units. Where two Units share a common wall, the common wall shall be deemed divided equally in half vertically through its center, and each half shall be deemed a part of and owned by the Unit adjacent to that half of the common wall. Units shall not be deemed to have an uppermost horizontal boundary or a lowermost horizontal boundary.

3.4 No Partition or Subdivision. Common Elements shall be owned by the Association as herein provided and shall remain undivided, and no Owner or other Person shall bring any action for partition or division of the Common Elements. Similarly no action shall be brought for the subdivision or physical partition of a Unit or the improvements thereon between or among the Owners thereof.

3.5 Separate Assessment. Declarant shall give written notice to the Assessor of Garfield County, Colorado requesting that the Units be separately assessed and taxed and that the total value of the Common Elements be assessed and taxed proportionately in accordance with the allocated Common Expense liability of each Unit. After this Declaration has been recorded in the Project records of Garfield County, Colorado, Declarant shall deliver a copy of this Declaration as recorded to the Assessor of Garfield County, Colorado.

3.6 Mechanic's Liens.

(a) If any Owner shall cause or permit any material to be furnished to such Owner's Unit or any labor or services to be performed thereon, no Owner of any other Townhome Unit shall be liable for the payment of any expense incurred or for the value of any work done or material furnished. All such work shall be at the expense of the Owner causing it to be done and such Owner shall be solely responsible to contractors, laborers, materialmen and other Persons furnishing labor, services or materials to such Owner's Unit. Nothing herein contained shall authorize any Owner or any Person dealing through, with or under any Owner to charge the Common Elements or any Unit other than that of such Owner with any mechanic's or materialmen's lien or other lien or encumbrance whatsoever. Notice is hereby given that the right and power to charge any lien or encumbrance of any kind against the Common Elements or against any Owner

or any Owner's Unit for work done or materials furnished to any other Owner's Unit is hereby expressly denied.

(b) If, because of any act or omission of any Owner, any mechanic's or materialmen's lien or other lien or order for the payment of money shall be filed against any of the Common Elements or against any other Owner's Unit or against any other Owner or the Association (whether or not such lien or order is valid or enforceable as such), the Owner whose or which act or omission forms the basis for such lien or order shall, at such Owner's own cost and expense, cause such lien or order to be canceled or bonded over in an amount and by a surety company reasonably acceptable to the party or parties affected by such lien or order within twenty (20) days after the filing thereof, and further such Owner shall indemnify and save harmless all such parties affected from and against any and all costs, expenses, claims, losses or damages, including reasonable attorneys' fees resulting therefrom.

3.7 Additions, Alterations or Improvements. No additions, alterations, changes or improvements shall be constructed, made, done or permitted to any Unit by any Owner, Occupant, or employee or agent thereof, without the prior written approval of the Board of Directors. Without limiting the generality of the foregoing, the restrictions shall apply to and include (i) alteration or change of any structural elements of a Unit, including the roof, (ii) painting or other alteration or change of the exterior of a Unit, including doors and windows, or (iii) addition, alteration, change or removal of any landscaping, parking or hardscape utilized in any landscaping within a Unit. The foregoing restrictions shall not apply to nonstructural additions, alterations, changes or improvements to the interior of a Unit, that are not visible from outside the Unit, and that are in compliance with all applicable laws, ordinances, regulations and codes. Except for alterations to Limited Common Elements which have received the prior written approval of the Board of Directors of the Association, no Owner or Occupant shall have any right to alter, change or improve in any way the Common Elements or any part thereof, the Common Elements being the exclusive responsibility and jurisdiction of the Association.

If an Owner applies for approval to modify the exterior of a Townhome, the Board of Directors shall exercise its best judgment to the end that all modifications conform to and harmonize with neighboring structures. The Board of Directors shall have the absolute right to deny any requested changes which the Board of Directors reasonably determines do not conform to and harmonize with neighboring structures.

3.8 Maintenance of the Community. All property within the Community, including without limitation the Units, Common Elements and Limited Common Elements shall be kept and maintained in a clean and attractive condition and in good order, condition and repair.

(a) **Association Maintenance Responsibilities.** The Association shall be responsible for (i) maintaining and repairing the structural elements and roofs of all Unit buildings, (ii) landscaping and maintaining the landscaping the exterior of the Community and the buildings, (iii) maintaining (including snowplowing), repairing, and altering and improving when necessary or

desirable, all Common Elements (including Limited Common Elements), including without limitation fire sprinkler systems, landscaping, irrigation and drainage systems, sewer system, storm drainage system, water features, streets, roads, driveways, parking areas, sidewalks, walkways, pathways, and common lighting and utilities, (iv) maintaining and repairing common utility lines within Units, including the utilities located within the Utility and Fire Suppression Easement, and (v) maintaining, repairing, improving, painting, staining or other resurfacing when necessary of the exterior portions of all Buildings and Townhomes, including the exterior doors, garage doors windows, decks, balconies, porches, planters and patios of the Units. No individual Unit Owner shall have any right to do any of such things without the express prior written consent of the Board of Directors. The Association shall have the sole discretion to determine the time and manner in which the above-described maintenance and improvements shall be performed, as well as the color or type of materials used.

If the need for such maintenance or repair results from the willful or negligent act of or from damage or destruction caused by an Owner or Occupant, the Board of Directors shall have the right to perform such maintenance or repair and to levy and collect a Reimbursement Assessment upon the Owner and the Owner's Unit for the costs and expenses incurred by the Association in connection therewith. The costs of maintenance and repair of Limited Common Elements shall be charged to the Owners entitled to use such Limited Common Elements.

- (b) **Owner Maintenance Responsibilities.** Each Owner shall be responsible for maintaining, repairing and improving as necessary all interior elements and features of the Owner's Unit including interior non-supporting walls, ceilings, floors, improvements, fixtures, equipment, appliances and appurtenances, and for replacing broken window panes. Each Owner shall also be responsible for the installation, maintenance, repair and replacement of such Unit's garage door opener. In addition, each Owner shall be responsible for any damage to other Unit or Common Elements resulting from the Owner's failure to perform or negligent performance of the Owner's maintenance and repair responsibilities as set forth herein. Each Owner shall perform the Owner's maintenance and repair responsibilities in such manner as shall not unreasonably disturb or interfere with other Owners or Occupants.

If an Owner fails to perform any such maintenance or repair obligations within 30 days following receipt of a written notice from the Board of Directors requesting the same, the Board of Directors shall have the right to enter upon the Unit of the Owner to perform such obligations on the Owner's behalf and to levy and collect a Reimbursement Assessment upon the Owner and the Owner's Unit for the costs and expenses incurred by the Association in connection therewith.

- (c) **Standard of Care.** The Association and the individual Unit Owners shall each use a reasonable standard of care in performing their respective maintenance, repair and upkeep responsibilities so that the entire Community will reflect a pride of ownership. All repairs and replacements within the Community shall be substantially similar to the original construction and craftsmanship and shall be of first-class quality.
- (d) **Emergency Maintenance and Repair.** Notwithstanding any other provisions of this Section 3.8 in the event of an emergency or the sudden occurrence of unanticipated conditions which threaten the health, safety or physical well-being of persons or property within the Community, the Board of Directors shall have the authority (without any notice being required) to take whatever remedial action and to undertake such maintenance, repairs and improvements as may be necessary anywhere in the Community to protect persons and property.
- (e) **Maintenance Easements.** The Association and the Board of Directors and their respective agents, employees and contractors are hereby granted perpetual, non-exclusive easements to enter the Units and Limited Common Elements as may be necessary or appropriate to perform the maintenance, repair and improvement responsibilities and rights described in this Section 3.8.

3.9 Compliance with Laws. No Owner or Occupant shall do any act or cause or permit anything to be done or kept in its Unit or any Common Elements which would be in violation of any federal, state, city or other law, ordinance, regulation or code of any governmental body having jurisdiction, or of any rule or regulation promulgated by the Association, or of any provision of this Declaration, or which would result in the increase of, or cancellation of, insurance maintained by the Association.

3.10 Residential Use. Each Unit shall be occupied and used only for single-family residential purposes. No business, professional or other non-residential or commercial use shall be made of any Unit or conducted in any Unit, excepting in-home businesses or occupations which do not involve employees other than Owners, the solicitation or invitation of the general public, or the services of customers, and which activities are conducted entirely within the Unit and do not cause any additional traffic or parking within the Community or otherwise create a nuisance for neighboring Units or the Community.

3.11 Unsightliness. Decks, patios, balconies, porches, and Limited Common Elements shall not be used for storage of personal property of any kind, and nothing shall be placed on or in windows or doors or otherwise on the exterior of Units which create an unsightly appearance. Sporting equipment (e.g., skis, snowboards, bikes, mountain bikes, kayaks, children's toys, etc.), must be stored completely inside the Unit and shall not be allowed to remain outside except when in actual use. No laundry or wash shall be dried or hung outside anywhere within the Community.

3.12 Association Landscaping. All landscaping within the Community shall be the responsibility of the Association, and no Owner or Occupant shall perform any landscaping activities within the Community (including without limitation the planting, grooming or removal of grass, trees, bushes or other vegetation, or the planting or tending of gardens) without the express prior written approval of the Board of Directors.

3.13 Right of Entry. During reasonable hours and upon reasonable notice to the Owner or Occupant of a Unit, any member of the Board of Directors, and any authorized representative thereof, shall have the right to enter upon and inspect any Unit, except for any Unit that is in fact occupied (which shall require the permission of the occupant except in the case of emergency, as provided in Section 5.4 below), for the purpose of ascertaining whether or not the provisions of this Declaration have been or are being complied with and such individuals shall not be deemed guilty of trespass by reason of such entry.

3.14 Insurance Risks. No Unit may be used for any use which would constitute an unusual fire hazard, would result in jeopardizing any insurance maintained on any part of the Community or would result in any increase in the premium for that insurance.

3.15 Nuisance. No Unit, Common Element or Limited Common Element may be used for any use (i) constituting a public or private nuisance; (ii) consisting of the manufacture of any product; or (iii) which causes undue odor, noise, vibration or glare, including, without limitation, the use of any equipment or machine. No audio system in a Unit may be operated in a manner that is audible from within any other Unit.

3.16 Parking.

(a) All vehicles and motorcycles must be parked in the Unit's garage or in the space(s) located immediately outside of the garage.

(b) While the Association may have access to parking spaces in a parking lot in the Community or adjacent to the Community, such parking spaces will not allow overnight parking without the prior approval from the Board or the Managing Agent. All vehicles parked overnight in any Community parking lot must display a signed placard with the dates such parking is allowed signed by the Managing Agent or a member of the Board. The Association may promulgate additional parking rules as it determines necessary.

(c) It is prohibited to park inoperable vehicles, RV, trailers, vehicles over seven feet in height or over 22 feet in length outside of a Unit garage.

(d) Up to four (4) parking spaces in the Community parking lot are dedicated and reserved for the use of the Units in accordance with the rules and regulations, if any, adopted by the Association regarding the use of such parking spaces.

3.17 Signs and Exterior Decorations. No signs of any kind shall be displayed to the public view on or from any portion of a Unit without first obtaining the written approval of the Board. The size, number, design and location of such signs requiring approval shall be approved by the Board. No exterior decorations that are visible for public view from outside the Unit will be allowed without first obtaining the written approval of the Board. American flags and service flags are allowed to the extent provided by Colorado and federal law, however, the Board may adopt reasonable rules and regulations regarding the size and manner of display of flags.

3.18 Overloading. A Unit may not be used for any use beyond the maximum loads the floors of the Project are designed to carry and no apparatus, equipment, fixtures or other property of any nature may be located within the Unit if the same, singularly or in the aggregate, would violate the maximum loads that the structural flooring in the Project is designed to support.

3.19 Animals and Pets. No animals, livestock, insects, rodents, poultry, reptiles, birds or other pets may be kept within the Units or Common Elements, except that a Unit Owner may have up to two (2) dogs and/or cats. No pet may be kept, bred or maintained for any commercial purposes unless such Unit is operated as a pet store. No pet may be kept or maintained on any balcony or patio. If a pet becomes obnoxious to any other Owner, its tenants or their respective invitees, the Owner or the person having control (or lack thereof) over the animal will be given a written notice to correct the problem by the Association. If such problem is not corrected, the Owner, upon written notice from the Association, may be required to remove the animal from the Project permanently. The Owner, Owner's tenants or invitees having control over the pet are responsible for cleaning up after the pet and will hold the Association harmless from any liability, claim, damage, cost or expense resulting from any action or inaction of their pet. Any time a pet is outside the Unit or on a Common Element or Limited Common Element, it must be accompanied by its Owner, Owner's tenant or invitee, and on a leash and otherwise under control. The Association Rules and Regulations shall further describe pet restrictions.

3.20 Trash. No trash, ashes, building materials, firewood or other unsightly items should be thrown, dumped or stored on the Project, except as designated by the Association. There shall be no burning or other disposal of refuse out of doors. Each Owner shall use the trash receptacle provided to such Owner for the temporary storage of refuse within the Unit or the Unit's garage. The Association shall arrange for trash pick up for the entire Community. Trash receptacles may only be placed outside on the day designated or arranged by the Association for trash removal between the hours of 6 a.m. and 7 p.m.

3.21 Design Guidelines and Construction Rules and Regulations. All Owners and contractors shall comply with the design guidelines and construction-related rules and regulations regulating any construction activities adopted by the Board of Directors. Such regulations may affect, without limitation, the following: trash and debris removal; restoration of damaged property; conduct and behavior of contractors, subcontractors and Owners' representatives on the Project at any time; fire protection; completion and compliance deposit; schedule; inspection(s);

and reimbursement to the Association for professional fees related to approval of any construction activities, as deemed reasonably necessary by the Board.

3.22 Antennae. Except for equipment within easements authorized herein below, above, no exterior radio, television, microwave or other antenna or antenna dish or signal capture and distribution device shall be permitted outside any Unit without first obtaining the written consent of the Board. The Association may install one or more exterior radio, television, microwave or other antenna or antenna dish or signal capture and distribution device for the Community.

3.23 Outside Burning. There shall be no exterior fires, including barbecues, without prior written approval of the Board. No Owner shall permit any condition upon a Unit which creates a fire hazard or is in violation of fire prevention regulations.

3.24 Leasing. Short term leasing of Units is prohibited. A short term lease is any lease, rental, or use of a Unit which is less than 30 days. If an Owner leases a Unit, the Owner shall be liable for any violation of the Association Documents committed by the Owner's tenant. The Owner shall have the right to obtain reimbursement from the tenant for any sums paid by the Owner on behalf of the tenant. Any lease of a Unit must be in writing and must state that it is subject to the requirements of the Association Documents. Any lease of a Unit must contain compatible use and activity restrictions as are provided for in the Association Documents.

3.25 Window Coverings; Windows and Glass Doors. The back or window-side of all window coverings consisting of drapes, curtains and blinds must be backed with a dark brown, taupe, dark-grey or black material. The material must be a solid color, no patterns are permitted. Each Unit shall have interior window coverings at all times. Each Owner shall maintain, repair and replace, at such Owner's sole cost and expense, window coverings in accordance with the Rules and Regulations. No exterior windows or glass doors within the Units may have any reflective or tinted substance placed on them. No unsightly materials may be placed on any window or glass door or be visible through such window or glass door, and all glass doors must be approved by the Board in writing prior to installation.

3.26 Recreational Equipment. No bicycles, tricycles, skateboards, roller blades or other types of wheeled, non-motorized vehicles, skis, ski boots and ski equipment (collectively, the "Equipment") may be left on or placed on any Common Element.

3.27 Barbecue Grills. No grills of any kind may be on balconies or any of the Common Elements. Unit Owners may place propane or gas grills on exterior ground level patios or decks. No charcoal grills are permitted.

3.28 Prohibition on Marijuana. It is prohibited to smoke, sell, grow, or manufacture marijuana, cannabis and/or products derived therefrom for the purposes of medicinal or recreational use in the Community. The provisions of this paragraph shall not ever be amended

without the written consent of Declarant and without regard to whether the Declarant owns any portion of the Property at the time of the amendment.

3.29 Use of Limited Common Element Patios. It is prohibited to use patios and/or decks as outside storage. Only appropriate exterior furniture and approved grills may be located thereon.

3.30 Use of Limited Common Element Crawl Space. No Owner shall allow any change to the Limited Common Element crawl space unless such change has been approved in writing by the Board prior to such change. The Owners acknowledge that the Utility and Fire Suppression Easement is accessed through the crawl space. No Owner shall allow any obstruction of access to the Utility and Fire Suppression Easement. The Limited Common Element crawl space may be only used for storage of non-hazardous materials.

3.31 Health, Safety and Welfare, Rules and Regulations. In the event any uses, occupancies, activities, and facilities within the Community are deemed by the Board of Directors to be an unreasonable annoyance or nuisance, or to adversely affect the health, safety or welfare of Owners or Occupants, the Board of Directors may adopt reasonable Rules and Regulations of general application in order to appropriately restrict and regulate such uses, occupancies, activities or facilities within the Community. Such Rules and Regulations shall be consistent with the purposes and provisions of this Declaration.

ARTICLE 4

Declarant's Reserved Rights

4.1 Declarant's Rights. Declarant hereby expressly reserves to itself and its successors and assigns the following described rights, which include development rights and special Declarant rights, any one or more of which rights may be exercised, in the sole and absolute discretion of Declarant, at any time and from time to time during the period commencing upon the recording of this Declaration in the County and ending on the date of termination of such rights established under Section 4.3 below. It is expressly understood that Declarant shall not be obligated to exercise any one of these reserved rights.

Except as limited by this Article 4, such reserved rights may be exercised upon or in connection with all or any portion of the Community described on attached Exhibit A. Such rights may be exercised with respect to different parcels of the Project at different times, and in connection therewith Declarant hereby states that (i) no assurances are made regarding the boundaries of the different Units or with respect to the order in which such Units may be subjected to the exercise of these reserved rights, even if a reference to a phase or phasing appears in a legal description, Plat, P.U.D. Agreement or other agreement relating to the Project, and (ii) if a particular reserved right is exercised in any portion of the Project subject to that reserved right, that reserved right is not required to be exercised in all or any portion of the remainder of that Project.

The reserved rights hereinafter set forth may not be amended, modified, terminated or otherwise altered in any way without the express prior written consent of Declarant. All

conveyances of Units and other portions of the Community hereafter made, whether by Declarant or otherwise, shall be deemed and construed to reserve to Declarant and/or to grant to Declarant all of the rights reserved by and to Declarant in this Article 4, even though no specific reference to such rights appears in the conveyancing instruments. Nothing in this Article 4 shall limit or impair any legal rights that Declarant may have independent of these reserved rights, or any other rights granted or reserved to Declarant by other provisions of this Declaration.

The following rights are hereby reserved to Declarant and its successors and assigns:

- (a) *Completion of Improvements.* The right throughout the Community to complete (and perform warranty work on) improvements indicated on the Plat, as may be amended from time to time, including the Units. Furthermore, the right to construct and complete improvements required by the terms of the Subdivision Improvements Agreement recorded , 2018 as Reception No. _____ in the Office of the Clerk and Recorder of Garfield County, Colorado, as the Agreement may be amended from time to time. Furthermore, the right to create, grant and/or use and enjoy additional non-exclusive easements, and to relocate existing platted easements, upon or across any portion of the Community except Units, as may be reasonably required for the completion by Declarant of the above-described improvements or the effective exercise by Declarant of any of the other reserved rights described in this Article 4.
- (b) *Sales, Marketing and Management.* The right to construct, locate or operate, and to maintain upon, and to remove from, any portion of the Community (including Units) owned by Declarant, and/or the Common Elements, in the discretion of Declarant, and in such number, size and location as may be reasonably required by Declarant in connection with the completion of improvements, the management of the development, and/or the promotion, marketing, sale or rental of Units, the following:
 - (i) Sales offices, management offices and/or construction offices, and structures containing or relating to the same. Such offices to the extent they are not situated upon a Unit, are hereby declared to be personal property and shall in any case be removable by Declarant or its successors or assigns promptly upon the Declarant or its successors or assigns ceasing to be a Unit Owner.
 - (ii) Signs identifying and advertising the Community and the Units therein, or relating to development or construction thereon.
 - (iii) Model Units.
 - (iv) Parking areas and facilities, and lighting, necessary or desirable in the marketing of the Community and the Units to prospective Owners.

(v) Employees in offices; equipment, vehicles; and marketing and construction materials together with the right to attract, invite or bring prospective purchasers of Units into the Community at all times.

(c) *Merger.* The right to merge or consolidate the Community with another common interest community of the same form of ownership.

(d) *Declarant Control of Association.* The right to appoint or remove any member of the Board of Directors or officer of the Association, as more specifically set forth in Section 7.6 below, but only for and during the "Period of Declarant Control of Association" as defined in Section 7.6.

(e) *Withdrawal Rights and Procedures.* The right at any time and from time to time to withdraw from the Community any Declarant owned Units or Common Elements.

Withdrawal shall be accomplished by the recording by Declarant of an amendment to this Declaration and an amendment to the Plat. Upon the recording of such amendments, the withdrawn Units and/or Common Elements shall no longer be part of the Community or subject to this Declaration in any way.

Each Declarant owned Unit, and each Declarant owned Common Element, is hereby described and declared to be a separate portion of Project that is subject to this right of withdrawal, and Declarant expressly reserves the right to withdraw one or more Declarant owned Units and/or all or a portion of any Declarant owned Common Element from the Community, and to vacate any platted easements thereon. Once a Unit has been conveyed to a Unit Owner other than Declarant, that portion of the Project is no longer subject to this right of withdrawal. Likewise, once a Common Element has been conveyed to the Association, that portion of the Project is no longer subject to this right of withdrawal.

The withdrawn property shall be subject to whatever easements, if any, may be essential for access or utility service to, or operation or management or use or enjoyment of, the Community or any part thereof. Similarly, the owner(s) of the withdrawn property shall have whatever easements, if any, are reasonably necessary for access or utility service to or for use or enjoyment of the withdrawn property over and across the Common Elements within the Community. At the time any withdrawal of Project is accomplished, Declarant shall record whatever documents are necessary to establish such reciprocal easements in the Garfield County records.

In the event any real property is withdrawn from the Community as provided herein, the definitions used in this Declaration shall be automatically contracted to encompass and refer to the Community as contracted, e.g., "Community" shall mean the real property described herein minus any real property withdrawn therefrom; similarly, "Common Elements" and "Units" shall mean and include those areas as described herein less those so designated on any amendment to a Declaration or Plat relating to any real

property which is withdrawn pursuant to this Article 4. References to this Declaration shall mean this Declaration as so amended.

The recording of amendments to the Declaration and Plat which reallocate the allocated Interests in the Community shall automatically:

- (i) Vest in each existing Unit Owner the reallocated Allocated Interests appurtenant to the Owner's Unit; and
 - (ii) Vest in each existing Mortgagee a perfected security interest in the reallocated Allocated Interests appurtenant to the encumbered Unit.
- (f) *Other Reserved Development Rights.* The right with respect to all or any Declarant owned portion of the Community (including the Units) to (a) create Common Elements or Limited Common Elements; (b) create additional Units, subject to the maximum set forth in the Recitals to this Declaration; (c) subdivide Units as set forth in Section 4.7 above; (d) combine Units; (e) convert Units or portions of Units into Common Elements; and (f) convert Common Elements or portions of Common Elements into Units.

4.2 Transfer of Declarant's Reserved Rights. Any one or more rights created or reserved under this Article 4 for the benefit of Declarant, specifically including without limitation the right to subdivide a Unit and Common Elements and to record a Reallocation Amendment in connection therewith, may be transferred to any Person by an instrument describing the right or rights transferred and recorded in Garfield County. Such instrument shall be executed by the transferor Declarant and the transferee. The provisions of Section 38-33.3-304 of the Act shall apply to any transfer of Declarant's reserved rights.

4.3 Termination of Declarant's Reserved Rights. With the exception of Declarant's right to appoint or remove Executive Board members and officers of the Association, which is addressed in Section 7.6 below, the rights reserved to Declarant in this Article 4 shall automatically terminate and expire upon the first to occur of (i) the date which is thirty (30) years after the recording of this Declaration, or (ii) Declarant's relinquishment and surrender of such rights by recorded instrument. Declarant may from time to time relinquish and surrender one or more but less than all of the reserved rights, in which event the unrelinquished reserved rights shall remain fully valid and effective for the remainder of the term thereof. The Association may extend the time period for exercise of a development right, or reinstate a lapsed development right, subject to whatever terms, conditions and limitations the Association may impose on the subsequent exercise of the development right. The extension or renewal of a development right and any terms, conditions and limitations shall be included in an amendment executed by Declarant or the owner of the real estate subject to the development right and the Association.

ARTICLE 5

Easements

5.1 Easements for Incidental Encroachments. If any portion of a Building encroaches upon a Common Element, including any future encroachments arising or resulting from the repair or reconstruction of a Building subsequent to its damage, destruction or condemnation, a valid easement on the surface and for subsurface support below such surface and for the maintenance of same, so long as it stands, shall and does exist for such incidental encroachment. In addition, there is hereby created, granted and reserved to each Owner a non-exclusive easement over, upon and beneath the Common Elements and the Units of other Owners for the horizontal and lateral support of each Owner's Unit.

5.2 Association Utility Easement over Common Elements. There is hereby created, granted and reserved to the Association, its agents, employees, service providers, and assigns a perpetual, non-exclusive easement over, across, upon and under the Common Elements for construction, installation, operation, maintenance, repair, removal and replacement of utilities and utility lines, pipes, wires, circuits, conduits, meters, fire sprinkler systems, facilities and systems for the benefit of the Community or any part thereof, including but not limited to water, sewer, gas, telephone, electricity, cable TV and other common TV and communication systems, if any, together with an easement for access, ingress and egress to accomplish such purposes. The Association or other Person exercising such utility easement rights shall be obligated to restore, reseed, replant and re-landscape the surface of any disturbed area to as close to its original condition as possible, as promptly as possible following completion of any utility work.

5.3 Association Common Utility Easement within Units. There is hereby created, granted and reserved to the Association, its agents, employees, service provides, and assigns a perpetual, non-exclusive easement along the course of all utility lines (including lines for the master fire sprinkler system in each building) that may exist from time to time within the Units and that serve more than one Unit, for the operation, maintenance, repair, removal and replacement of such common utility lines, together with an easement for access, ingress and egress over the Units to accomplish such purposes. The Association or other Person or entity exercising such utility easement rights shall be obligated to repair any damage occasioned by the exercise of such rights.

5.4 Association Administrative Easement over Common Elements. There is hereby created, granted and reserved to the Association, its agents, employees and assigns, a perpetual, non-exclusive easement over, across, upon and under the Common Elements and a right to use the Common Elements for purposes of enabling the Association to perform its various responsibilities and to exercise its various rights under this Declaration.

5.5 Association Easement Upon Units for Maintenance, Repair and Emergencies. There is hereby created, granted and reserved to the Association, its agents, employees and assigns, a perpetual, non-exclusive easement and right to enter upon and in all Units as necessary for the performance of the Association's rights and responsibilities under this Declaration (including the exercise of the Association's common utility easement rights) and for the making of emergency repairs or reconstruction to the Buildings, the Units, and/or the Common Elements. For routine maintenance and non-emergency repairs (including routine maintenance and repair of common

utility lines within Units, including lines for each Building's fire sprinkler system), entry to a Unit shall be made only on a regular business day during regular business hours, after giving at least one day's notice in writing to the Owner or Occupant. In case of emergency, where there is an imminent threat of damage or injury to person or property, entry shall be made at any time provided that a reasonable effort is made, under the circumstances, to give notice of such intended entry. The Board of Directors is hereby granted the authority to use such reasonable force as may be necessary under the circumstances to gain entry into a Unit in case of an emergency, if no other reasonable means of entry is available. The Association shall be responsible for the cost and expense of repairing all damages to property occurring as a result of such forcible entry, which costs shall be considered Common Expenses, unless the emergency and damage results from the willful act or negligence of an Owner or Occupant, in which event such Owner shall be solely responsible for the costs of repairing/restoring such damage. These costs can be levied, assessed and collected by the Board of Directors as a Reimbursement Assessment pursuant to the provisions of this Declaration.

5.6 Declarant Easement over Common Elements. There is hereby created, granted and reserved to Declarant and its successors and assigns a non-exclusive easement over, across, upon and under all Common Elements (including without limitation all easements benefitting the Association), including a right of access, ingress and egress thereto, and a right to use such Common Elements, and each and every part thereof, for all purposes reasonably related to (a) Declarant's development, improvement, maintenance, management, marketing and sale of the Community and all portions thereof, and/or (b) Declarant's exercise and implementation of the rights reserved to Declarant under this Declaration, and/or (c) the discharge by Declarant of any of its obligations under this Declaration or any other Declarant obligations relating to the Community. Declarant's rights with respect to this easement shall terminate upon the first to occur of (i) the date which is thirty (30) years after the recording of this Declaration, or (ii) Declarant's relinquishment of all or a portion of this easement right by recorded instrument.

5.7 Blanket Emergency Services Easement. There is hereby created, granted and reserved for the use and benefit of all police, sheriff, fire protection, ambulance and other similar emergency agencies or Persons, now or hereafter serving the Community and its Owners and Occupants, a perpetual, non-exclusive blanket Emergency Services Easement over, upon, along and across all properties and areas within the Community, for use in the lawful performance of their duties.

5.8 Utility and Fire Suppression Easement. There is hereby created, granted and reserved to the Association, its agents, employees, service provides, and assigns a perpetual, non-exclusive easement in each Limited Common Element crawl space for the installation, removal, maintenance, repair and replacement of utilities, including but not limited to, domestic water, gas, electric, sprinkler and CAT 5 cable, together with an easement for access, ingress and egress over the Units to accomplish such purposes. The Association or other Person or entity exercising such utility easement rights shall be obligated to repair any damage occasioned by the exercise of such rights. No Owner shall allow any obstruction of access to this easement.

5.9 Easements Deemed Created. All conveyances of Units hereafter made, shall be deemed and construed to grant and reserve all of the easements referred to in this Article 5 and elsewhere in this Declaration, even though no specific reference to such easements appears in the conveying instruments.

5.10 Recorded Easements and Licenses. In addition to the easements described in this Article 5 and elsewhere in this Declaration, any recorded easements and licenses appurtenant to or included in the Community are made a part hereof by this reference, including, but not limited to those encumbrances listed on attached Exhibit C.

ARTICLE 6

Common Elements

6.1 Use and Enjoyment of Common Elements. With the exception of Limited Common Elements, and except as otherwise provided in this Declaration, each Owner shall have the non-exclusive right to use and enjoy the Common Elements in common with all other Owners (a) for all purposes for which such Common Elements were established, and (b) as required for purposes of access and ingress to and egress from (and use, occupancy and enjoyment of) any Unit owned by the Owner or Common Elements available for the Owner's use. This right to use and enjoy the Common Elements shall extend to each Owner, Occupant, and the family members, guests and invitees of each Owner, and shall be appurtenant to each Unit, subject at all times to the provisions of this Declaration, the Articles and Bylaws, and any Rules and Regulations adopted by the Board of Directors from time to time. No Owner or Occupant shall place any structure or improvement whatsoever upon the Common Elements, nor shall any Owner or Occupant engage in any activity which will temporarily or permanently impair free and unobstructed access to or use of all parts of the Common Element by all Owners and by the Association.

Limited Common Elements are designated for the exclusive use and enjoyment of one or more Units, as so designated on the Plat.

6.2 Association may Regulate Use of Common Elements. The Association, acting through the Board of Directors, shall have the right and authority to regulate the use of the Common Elements (including the Limited Common Elements) by the promulgation, enforcement and interpretation from time to time of such Rules and Regulations relating thereto as the Association considers necessary or appropriate for the protection and preservation of the Common Elements and the enhancement of the use and enjoyment thereof by the Owners and Occupants.

6.3 Association to Maintain and Improve Common Elements. The Association, its agents and employees, shall maintain, snowplow as necessary, and otherwise manage the Common Elements (including the Limited Common Elements), including, but not limited to, any improvements, landscaping, water features, streets, driveways, parking areas, sidewalks, walkways, common utilities, and recreational and other facilities located thereon. The Association shall construct, alter and remove such improvements and landscaping upon the Common Elements as the Association in its discretion considers necessary, desirable or appropriate from time to time, and shall do all such other and further acts which the Board of Directors deems necessary or appropriate to preserve, protect and enhance the Common Elements and the beauty thereof in

accordance with the general objectives for the Community reflected in this Declaration. Separate bids shall be let for the maintenance of Limited Common Elements so that the costs thereof can be assessed exclusively to the Units benefitted thereby.

6.4 Owner Liability for Owner or Occupant Damage to Common Elements. Each Owner shall be liable to the Association for any damage to Common Elements or for any expense, loss or liability suffered or incurred by the Association in connection with the Common Elements arising from (a) the negligence or willful misconduct of such Owner or of any Occupant, agent, employee, family member, guest or invitee of such Owner, or (b) any violation by such Owner or any Occupant, agent, employee, family member, guest or invitee of such Owner of any law, regulation, or code, including without limitation any environmental law, or of any provisions of this Declaration, or the Rules and Regulations relating to the Common Elements. Each Owner shall indemnify, defend and hold the Association harmless from any loss, damage, expense or liability arising from the circumstances described in subsections (a) or (b) immediately above. The Association shall have the power to levy and collect a Reimbursement Assessment against a Unit Owner to recover the costs, expenses, damages, losses or liabilities incurred by the Association as a consequence of any such negligence, willful misconduct or violations by the Owner or the Owner's Occupant.

6.5 Damage or Destruction to Common Elements. In the event of damage to or destruction of the Common Elements, including improvements thereon, by fire or other casualty, the Association shall repair or replace the same in accordance with the provisions of Section 8.2 below. Repair, reconstruction, or replacement of Common Elements shall be accomplished under such contracting and bidding procedures as the Association shall determine are appropriate. If insurance proceeds available to the Association on account of damage or destruction exceed the cost of repair, reconstruction, and replacement, the Association may use the same for future maintenance, repair, improvement, and operation of Common Elements or for any other use deemed appropriate by the Board of Directors. Damage to any personal property within a Limited Common Element shall be the responsibility of the Owner(s) of the Unit(s) to which the Limited Common Element is appurtenant.

6.6 Condemnation of Common Elements. If any Common Element or part thereof or interest therein is taken under exercise of the power of eminent domain or by purchase in lieu thereof, the portion of any award in condemnation or the price payable for the deed in lieu that is attributable to the Common Element taken or purchased shall be paid to the Association. The Association shall have the exclusive right to participate in such condemnation proceedings and to represent the interests of all Owners and Occupants and other Persons therein. Any award or funds received by the Association shall be held by the Association for the purposes stated in Section 6.5 above or as a reserve for future maintenance, repair, reconstruction, or replacement of Common Elements or may be used for improvements or additions to or operation of Common Elements or for such other uses as may be deemed appropriate by the Board of Directors. Except as may otherwise be provided by the Act, no Owner or other Person shall be entitled to participate as a party or otherwise in any condemnation proceedings nor to receive any proceeds therefrom.

6.7 Title to Common Elements upon Dissolution of Association. In the event of dissolution of the Association, the Common Elements shall, to the extent permitted by law and reasonably possible, be conveyed or transferred to an appropriate public, governmental or quasi-

governmental agency or organization or to a nonprofit corporation, association, trust, or other organization, to be used, in any such event, for the common benefit of Owners for the purposes for which the Common Elements were held by the Association. If the foregoing is not possible, the Common Elements shall be sold or disposed of and the proceeds from the sale or disposition shall be distributed to Owners in proportion to each Owner's Allocated Interest in the Common Expenses of the Association.

6.8 Mechanic's Liens on Common Elements. Declarant shall be responsible for the release of mechanics' liens filed with respect to Common Elements, or any part thereof, if such liens arise from labor performed or materials furnished at the instance of Declarant, its agents, contractors or subcontractors. Likewise, the Association shall be responsible for the release of mechanic's liens filed with respect to Common Elements, or any part thereof, if such liens arise from labor performed or materials furnished at the instance of the Association, its directors, officers, agents, contractors or subcontractors. No labor performed or materials furnished with respect to a Unit at the instance of the Owner thereof shall be the basis for filing a lien against the Common Elements. No labor performed or materials furnished with respect to a Common Element at the instance of the Board of Directors shall be the basis for filing a lien against any Unit.

ARTICLE 7

Association

7.1 Association; General Powers. The Association has been formed as a Colorado nonprofit corporation under the Colorado Revised Nonprofit Corporation Act to manage the affairs of the Community. The Association shall serve as the governing body for all of the Owners and Occupants for the protection, improvement, alteration, maintenance, repair, replacement, administration and operation of the Common Elements, the levying and collection of Assessments for Common Expenses and other expenses of the Association, and such other matters as may be provided in this Declaration, the Articles and the Bylaws. The Association shall have all of the powers, authority and duties as may be necessary or appropriate for the management of the business and affairs of the Community, including without limitation all of the powers, authority and duties of a Colorado corporation formed under the Colorado Revised Nonprofit Corporation Act, and all of the powers and duties provided for in the Act. The Association shall have the power to assign its right to future income, including the right to receive Common Expense assessments, but only upon the affirmative vote of the Owners of Units holding at least fifty-one percent (51%) of the votes in the Association. The Association shall not be deemed to be conducting a business of any kind, and all funds received by the Association shall be held and applied by it for the Owners in accordance with the provisions of this Declaration, the Articles and the Bylaws.

7.2 Association Board of Directors. The affairs of the Association shall be managed by a Board of Directors. The number, term, and qualifications of the members of the Board of Directors shall be fixed in the Articles of Incorporation or the Bylaws, except that there shall never be less than three (3) members. A quorum shall be deemed present throughout any meeting of the Board of Directors if persons entitled to cast at least fifty percent (50%) of the votes on the Board of Directors are present at the beginning of the meeting or grant their proxy as provided in Colorado Revised Statutes Section 7-128-205(4). With the exception of matters that may be discussed in executive session, as set forth in Section 38-33.3-308(3-7) of the Act, all

regular and special meetings of the Board of Directors or any committee thereof shall be open to attendance by all Members of the Association or their representatives. Without limiting the generality of the foregoing, no rule or regulation may be validly adopted during an executive session. Agendas for meetings of the Board of Directors shall be made reasonably available for examination by all Members of the Association or their representatives.

The Board of Directors shall have all of the powers, authority and duties granted or delegated to it by the Act, this Declaration, the Articles or Bylaws. Except as provided in the Act, this Declaration, the Articles or Bylaws, the Board of Directors may act in all instances on behalf of the Association. The Association shall have all of the powers, authority and duties permitted under the Act and under the Colorado Revised Nonprofit Corporation Act ("CRNCP"). The Association, acting through the Board, may (without specific authorization in the Declaration):

- (a) Adopt and amend any rules and regulations of the Association, policies and procedures required by the Act ("CCIOA Policies"), Design Guidelines and/or Construction Rules;
- (b) Adopt and amend Bylaws;
- (c) Adopt and amend budgets for revenues, expenditures and reserves and collect Assessments;
- (d) Hire and terminate Managing Agent(s) and other employees, agents and independent contractors;
- (e) Institute, defend or intervene in litigation or administrative proceedings in its own name on behalf of itself or two or more Unit Owners on matters affecting the Project as provided for herein;
- (f) Make contracts and incur liabilities;
- (g) Regulate the use, maintenance, repair, replacement and modification of Common Elements, and further lease or license, or permit the use of, by less than all Owners and/or non-Owners, on either a short or long-term basis, and with or without charge as the Board deems fit, any portion of the General Common Elements and/or any Unit owned by the Association;
- (h) Cause minor improvements (not exceeding \$50,000 for any improvement project) to be made to the Common Elements. If such project cost exceeds the permitted amount the Board must obtain 67% Owner approval;
- (i) Grant long or short-term easements, leases, licenses and concessions through or over the Common Elements as provided herein;
- (j) Impose and receive any payments, fees or charges for the use, rental or operation of the General Common Elements as provided herein;
- (k) Impose charges for late payment of Assessments, recover reasonable attorney fees and other legal costs for collection of Assessments and other actions to enforce the power of the Association, regardless of whether or not suit was initiated, and after notice and opportunity to be heard, levy reasonable fines for violations of the Association Documents;
- (l) Impose reasonable charges for the preparation and recordation of amendments to the Declaration or statements of unpaid Assessments;

- (m) Provide for the Association's indemnification of its officers and members of the Board, and also to maintain directors' and officers' liability insurance as determined to be appropriate by the Board or the Owners;
- (n) Borrow funds to cover Association expenditures and pledge Association assets as security therefor, subjecting Common Elements to a security interest in connection therewith;
- (o) Assign, pledge and collateralize its right to future income, including the right to receive Assessments;
- (p) Exercise any other powers conferred by the Declaration or the Bylaws;
- (q) Exercise all other powers that may be exercised in Colorado by legal entities of the same type as the Association; and
- (r) Exercise any other powers necessary and proper for the governance and operation of the Association.

The Board of Directors may not, however, act on behalf of the Association to amend this Declaration, to terminate the Community, or to elect members of the Board of Directors or determine the qualifications, powers and duties, or terms of office of Board of Directors members, but the Board of Directors may fill vacancies in its membership for the unexpired portion of any term. The Board of Directors may, by resolution, delegate portions of its authority to officers of the Association, but such delegation of authority shall not relieve the Board of Directors of the ultimate responsibility for management of the affairs of the Association. No member of the Board of Directors and no officer shall be liable for actions taken or omissions made in the performance of such member's or officer's duties except for wanton and willful acts or omissions.

7.3 Delegation by the Board of Directors.

- (a) *Delegation to Managing Agent.* The Association, acting through the Board, may employ or contract for the services of a Managing Agent to act for the Association and the Board and the officers according to the powers and duties delegated to the Managing Agent pursuant to the Bylaws or the resolution of the Board. Neither the Board nor any officer of the Association will be liable for any omission or improper exercise by a Managing Agent of any such duty, power, or function so delegated by written instrument executed by or on behalf of the Board.
- (b) *Committees.* The Association, acting through the Board, may delegate any of its rights, duties or responsibilities to any committee or other entity that the Board may choose to form.
- (c) *Limitation.* Any delegation by the Board under this Section is subject to compliance with the Act and the Bylaws and the requirement that the Board, when so delegating, will not be relieved of its responsibilities under the Association Documents and the Act.

7.4 Acquiring and Disposing of Personal Property. The Association may acquire, own, and hold for the use and benefit of all Owners tangible and intangible personal property,

and may dispose of the same by sale or otherwise, and the beneficial interest in any such property shall be deemed to be owned by the Owners in the same undivided proportion as their respective undivided interests (Allocated Interests) in the Common Elements. Such interests shall not be transferable except with the transfer of a Unit. A conveyance of a Unit shall transfer ownership of the transferor's beneficial interest in such personal property without any reference thereto. Each Owner may use such personal property in accordance with the purposes for which it is intended, without hindering or encroaching upon the lawful rights of other Owners. The transfer of title to a Unit under foreclosure shall entitle the purchaser to the interest in such personal property associated with the foreclosed Unit.

7.4 Contracts with Others. The Association may contract with the City of Glenwood Springs or with other homeowners' associations or owners of nearby property in order to provide services required herein or by law for the benefit of Owners and their family members, guests, tenants and invitees. Any resulting costs incurred by the Association shall be a Common Expense. The Association may contract with third parties and/or other homeowners' associations or owners of nearby property in order to gain access to amenities or other arrangements beneficial to Owners and their family members, guests, tenants and invitees.

7.5 Rules and Regulations. The Association may adopt, amend, repeal, and enforce such Rules and Regulations as the Board of Directors may consider necessary, desirable or appropriate from time to time with respect to the interpretation and implementation of this Declaration, the operation of the Association, and the use and enjoyment of the Common Elements. Any such Rules and Regulations shall be effective only upon adoption by resolution at an open meeting of the Board of Directors. Notice of the adoption, amendment, or repeal of any Rule or Regulation shall be given in writing to each Owner, and copies of the currently effective Rules and Regulations shall be made available to each Owner and Occupant upon request and payment of the reasonable expense of copying the same. Each Owner and Occupant shall comply with such Rules and Regulations, and each Owner shall see that Occupants claiming through such Owner comply with such Rules and Regulations. Such Rules and Regulations shall have the same force and effect as if they were set forth in and were part of this Declaration. In the event of conflict between the Rules and Regulations and the provisions of this Declaration, the provisions of this Declaration shall govern. Such Rules and Regulations may establish penalties (including the levying and collection of fines) for the violation of such Rules and Regulations or of any provision of this Declaration, the Articles, or the Bylaws.

7.6 Membership in Association. There shall be one Membership in the Association for each Unit within the Community. The person or persons who constitute the Owner of a Unit shall automatically be the holder of the Membership appurtenant to that Unit, and shall collectively be the "Member" of the Association with respect to that Unit, and the Membership appurtenant to that Unit shall automatically pass with fee simple title to the Unit. Membership in the Association shall not be assignable separate and apart from fee simple title to a Unit, and may not otherwise be separated from ownership of a Unit.

7.7 Voting Rights of Members. Each Unit in the Community shall be entitled to one (1) vote in the Association. Occupants of Units shall not have voting rights. If title to a Unit is

owned by more than one (1) Person, such Persons shall collectively vote their interest as a single vote. If only one of the multiple Owners of a Unit is present at an Association meeting, such Owner is entitled to cast the vote allocated to that Unit. If more than one of the multiple Owners is present, the vote allocated to that Unit may be cast only in accordance with the agreement of a majority in interest of the Owners. There is majority agreement if any of the multiple Owners casts the vote allocated to that Unit without protest being made promptly to the Person presiding over the meeting by any of the other Owners of the Unit. In the event of a protest being made by one or more multiple Owners, and a majority of the multiple Owners of the Unit cannot agree on how to cast their vote, any vote cast for that Unit shall be null and void with regard to the issue being voted upon. Such multiple owners and their Unit shall nevertheless be counted in determining the presence of a quorum with respect to the issue being voted upon.

A quorum is deemed present throughout any meeting of the Members of the Association if Persons entitled to cast at least fifty percent (50%) of the votes in the Association are present, in Person or by proxy, at the beginning of the meeting.

Provided a quorum of Members entitled to vote is present in Person or by proxy, the affirmative vote of a majority of the Members so present shall constitute approval of any matter voted upon unless a different number is required on a particular matter by the Act, this Declaration, the Articles, or the Bylaws.

The vote allocated to a Unit may be cast pursuant to a proxy duly executed by a Unit Owner. If a Unit is owned by more than one Person, each Owner of the Unit may vote or register protest to the casting of a vote by the other owners of the Unit through a duly executed proxy. A Unit Owner may not revoke a proxy given pursuant to this Section except by actual notice of revocation to the person presiding over a meeting of the Association. A proxy is void if it is not dated or purports to be revocable without notice. A proxy shall terminate eleven (11) months after its date, unless a different termination date is otherwise set forth on its face.

The Unit Owners, by a vote of sixty-seven percent (67%) of all Members present and entitled to vote at any meeting of the Unit Owners at which a quorum is present, may remove any member of the Board of Directors with or without cause.

7.8 Period of Declarant Control of Association. Notwithstanding any other provisions hereof, Declarant shall have and hereby reserves the power to appoint and remove, in its sole discretion, the members of the Board of Directors and the officers of the Association during the period commencing upon the recording of this Declaration and terminating no later than the earlier of (a) sixty (60) days after conveyance of seventy-five percent (75%) of the Units that may be created to Unit Owners other than Declarant; or (b) two (2) years after the last conveyance of a Unit by the Declarant in the ordinary course of business; or (c) two (2) years after any right to add new Units was last exercised by Declarant.

At any time prior to the termination of the Period of Declarant Control of the Association, the Declarant may voluntarily surrender and relinquish the right to appoint and remove officers and members of the Board of Directors, but in such event Declarant may require, for the duration of the Period of Declarant Control of the Association, that specified actions of the Association or the Board of Directors, as described in a recorded instrument executed by Declarant, be approved by Declarant before they become effective. As to such actions, Declarant may give its approval or disapproval in its sole discretion and option, and its disapproval shall invalidate any such action by the Board of Directors or the Association. Not later than the termination of the Period of Declarant Control of the Association, the Townhome Unit Owners (including Declarant) shall elect a Board of Directors of at least three members, at least a majority of whom must be Townhome Unit Owners other than Declarant or designated representatives of Townhome Unit Owners other than Declarant, and the Board of Directors shall elect the officers, with such Board of Directors members and officers to take office upon election. Pursuant to Section 38-33.3-303(9) of the Act, within 60 days after Unit Owners other than Declarant elect a majority of the members of the Board of Directors, Declarant shall deliver to the Association all property of the Unit Owners and of the Association held or controlled by Declarant.

ARTICLE 5

Insurance

8.1 Insurance Requirements. The Association shall obtain, maintain and keep in full force and effect at all times the following types of insurance, and the cost of said coverage shall be paid by the Association as a Common Expense:

(a) *Casualty Insurance.* Property insurance on all Buildings, all fixtures that are part of such Buildings, all Common Elements, and improvements thereon (excepting any such improvements installed by Unit Owners) within the Community. Such insurance shall not include or cover the finished interior surfaces of the walls, floors and ceilings of the Units. Such insurance shall be for broad form covered causes of loss, including casualty, fire, and extended coverage insurance including, if available at reasonable cost, coverage for vandalism and malicious mischief and, if available and if deemed appropriate, coverage for flood, earthquake, and war risk. Such insurance shall, to the extent reasonably obtainable, be for the full insurable replacement cost of the insured property, less applicable deductibles at the time the insurance is purchased and at each renewal date, exclusive of land, excavation, foundations and other items normally excluded from property policies, and shall include such endorsements as the Board of Directors considers appropriate from time to time.

(b) *Liability Insurance.* Comprehensive general liability insurance against claims and liabilities arising in connection with the ownership, existence, use or management of Common Elements within the Community and covering public liability or claims of liability for injury to persons and/or property, and death of any person or persons. Such liability insurance shall, to the extent reasonably obtainable, (a) have limits of not less than Three Million Dollars (\$3,000,000.00) per person and Three Million Dollars (\$3,000,000.00) per occurrence; (b) insure the Board of Directors, the Association and its officers, and their

respective employees, agents and all Persons acting as agents; (c) include the Successor Declarant as an additional insured as its interests may appear; (d) include the Owners as additional insureds, but only for claims and liabilities arising in connection with the ownership, existence, use or management of Common Elements; (e) cover claims of one or more insured parties against other insured parties; and (f) be written on an occurrence basis.

c) *Worker's Compensation.* A Worker's Compensation policy, if necessary, to meet the requirements of law.

d) *Directors and Officers Liability Insurance.* The Association may, in its discretion, carry directors' and officers' liability insurance in such amount as the Board of Directors may deem appropriate.

(e) *Other Insurance.* Such other insurance in such amounts as the Board of Directors shall determine, from time to time, to be appropriate to protect the Association or the Unit Owners, or as may be required by the Act.

(f) *General Provisions Respecting Insurance.* Insurance policies carried pursuant to Sections 8.1(a) and 8.1(b) above shall provide that (i) each Owner is an insured person under the policy with respect to liability arising out of such Owner's interest in the Common Elements or membership in the Association; (ii) the insurer waives its rights of subrogation under the policy against the Association, each Owner, and any Person claiming by, through, or under such Owner or any other director, agent or employee of the foregoing; (c) no act or omission by any Owner, unless acting within the scope of such Owner's authority on behalf of the Association, will void the policy or be a condition to recovery under the policy; and (d) if at the time of a loss under the policy, there is other insurance in the name of an Owner covering the same risk covered by the policy, the Association's policy shall be the primary insurance. An insurer that has issued an insurance policy for the insurance to the Association and, upon request, to any Unit Owner or holder of a security interest to whom a certificate or memorandum of insurance has been issued, at their respective last-known addresses.

Any loss covered by the property insurance policy described in Section 8.1(a) above must be adjusted with the Association, but the insurance proceeds for that loss shall be payable to any insurance trustee designated for that purpose, or otherwise to the Association, and not to any holder of a security interest. The insurance trustee or the Association shall hold any insurance proceeds in trust for the Association, Unit Owners and lienholders as their interests may appear. Subject to the provisions of Section 38.33.3-313(9) of the Act, the proceeds must be disbursed first for the repair or restoration of the damaged property, and the Association Unit Owners, and lienholders are not entitled to receive payments of any portion of the proceeds unless there is a surplus of proceeds after the property has been completely restored or the Community is terminated.

The Association may adopt and establish written nondiscriminatory policies and procedures relating to the submittal of claims, responsibility for deductibles, and any other matters of claims adjustment. To the extent the Association settles claims for damages to real property, it shall have the authority to assess negligent Owners causing such loss or benefitting from such repair or restoration for all deductibles paid by the Association. In the event more than one Unit is damaged by a loss, the Association in its reasonable discretion may assess each Unit Owner a pro rata share of any deductible paid by the Association. Insurance obtained by the Association shall, to the extent reasonably possible, and provided Declarant reimburses the Association for any additional premium payable on account thereof, name Declarant as an additional insured and shall contain a waiver of subrogation rights as against Declarant.

Insurance policies and insurance coverage shall be reviewed at least annually by the Board of Directors to ascertain whether coverage under the policies is sufficient in light of the current values of Common Elements and in light of the possible or potential liabilities of the Association and other insured parties.

In no event shall insurance coverage obtained or maintained by the Association obviate the need for Owners and Occupants to obtain insurance for their own benefit.

(g) *Nonliability of Association or Board of Directors.* Notwithstanding the duty of the Association to obtain insurance coverage, as stated herein, neither the Association nor any Board of Directors member, shall be liable to any Unit Owner, Occupant, mortgagee or other Person, if any risks or hazards are not covered by insurance, or if the appropriate insurance is not obtained because such insurance coverage is not reasonably obtainable on the Association's behalf, or if the amount of insurance is not adequate, and it shall be the responsibility of each Unit Owner and Occupant to ascertain the coverage and protection afforded by the Association's insurance and to procure and pay for such additional insurance coverage and protection as the Unit Owner or Occupant may desire.

(h) *Premiums.* Premiums for insurance policies purchased by the Association and other expenses connected with acquiring such insurance shall be paid by the Association as a Common Expense, except that the amount of increase over any annual or other premium occasioned by the use, misuse, occupancy or abandonment of a Unit or its appurtenances, or Common Elements, by a Unit Owner or Occupant, may at the Board of Directors' election, be assessed against that particular Unit Owner and his Unit as a Reimbursement Assessment.

(i) *Insurance Claims.* The Association is hereby irrevocably appointed and authorized, subject to the provisions contained herein, to adjust all claims arising under insurance policies purchased by the Association and to execute and deliver releases upon the payment of claims, and to do all other acts reasonably necessary to accomplish any of the foregoing. The Board of Directors has full and complete power to act for the Association in this regard, and may, in its discretion, appoint an authorized

representative, or enter into an insurance trust agreement, wherein the trustee shall have the authority to negotiate losses under any policy purchased by the Association.

(j) *Benefit.* Except as otherwise provided herein, all insurance policies purchased by the Association shall be for the benefit of, and any proceeds of insurance received by the Association or any insurance trustee shall be held or disposed of in trust for the Association, the Unit Owners, or the Occupants, as their interests may appear.

(k) *Other Insurance to be Carried by Unit Owners.* Insurance coverage on the improvements, furnishings and other items of personal property belonging to a Unit Owner or Occupant, and public liability insurance coverage upon each Unit and any Limited Common Elements designated for the use of that Unit shall be the responsibility of the Owner or Occupant of the Unit.

8.2 Damage to Community. Any portion of the Community for which insurance is required under Section 38-33.3-313 of the Act that is damaged or destroyed must be repaired or replaced promptly by the Association unless: (i) the Community is terminated; (ii) repair or replacement would be illegal under any state or local statute or ordinance governing health or safety; or (iii) sixty-seven percent (67%) of the Unit Owners, including owners of every Unit that will not be rebuilt, vote not to rebuild.

The cost of repair or replacement in excess of insurance proceeds and reserves is a Common Expense. If the entire Community is not repaired or replaced, the insurance proceeds attributable to the damaged Buildings or Common Elements must be used to restore the damaged property to a condition compatible with the remainder of the Community, and, except to the extent that other Persons will be distributees, the insurance proceeds attributable to Units and Common Elements that are not rebuilt must be distributed to the Owners of those properties, or to lienholders, as their interests may appear, and the remainder of the proceeds must be distributed to all Unit Owners or lienholders as their interests may appear in proportion to the Common Expense liabilities of all Units.

In the event of damage to or destruction of all or a portion of the Buildings or Common Elements due to fire or other adversity or disaster, the insurance proceeds, if sufficient to reconstruct or repair the damage, shall be applied by the Association to such reconstruction and repair. If the insurance proceeds with respect to such damage or destruction are insufficient to repair and reconstruct the damage or destruction, the Association may levy a Special Assessment in the aggregate amount of such deficiency, or if any Owner or group of Owners is liable for such damage, may levy a Reimbursement Assessment against the Owner or group of Owners responsible therefor, and shall proceed to make such repairs or reconstruction. Such Assessment shall be due and payable as provided by resolution of the Board of Directors, but not sooner than sixty (60) days after written notice thereof. The Assessment provided for herein shall be a debt of each Unit Owner assessed and a lien on his Unit, and may be enforced and collected in the same manner as any Assessment Lien provided for in this Declaration. If the entire damaged property is not repaired or replaced, the insurance proceeds attributable to the damaged property must be used to restore the damaged property to a condition compatible with the remainder of the

Community. No distributions of insurance proceeds shall be made unless made jointly payable to the Unit Owners and first mortgagees of their respective Units, if any.

ARTICLE

Limited Liability

Neither the Association nor its past, present or future officers or directors, nor any other employee, agent or committee member of the Association shall be liable to any Owner or Occupant or to any other Person for actions taken or omissions made except for wanton and willful acts or omissions. Without limiting the generality of the foregoing, the Association and the Board of Directors shall not be liable to any Owner or Occupant or other Person for any action or for any failure to act with respect to any matter if the action taken or failure to act was in good faith and without malice. Acts taken upon the advice of legal counsel, certified public accountants, registered or licensed engineers, architects or surveyors shall conclusively be deemed to be in good faith and without malice. To the extent insurance carried by the Association for such purposes shall not be adequate, the Owners severally agree to indemnify and to defend the Association and the Board of Directors against claims, damages or other liabilities resulting from such good faith action or failure to act.

ARTICLE 10

Assessments

10.1 Assessment Obligation. Declarant, for each Unit, shall be deemed to covenant and agree, and each Unit Owner, by acceptance of a deed therefor (including a public trustee's or sheriff's deed), whether or not it shall be so expressed in any such deed or other instrument of conveyance, shall be deemed to covenant and agree, to pay to the Association: (1) Regular Assessments or charges, (2) Special Assessments, and (3) Reimbursement Assessments, such assessments to be established and collected as hereinafter provided (collectively the "Assessments"). The Assessments, together with interest, late charges, costs, and reasonable attorneys' fees, shall be a continuing lien and security interest upon the Unit against which each such Assessment is charged. The obligation for such payments by each Unit Owner to the Association is an independent covenant, with all amounts due from time to time payable in full without notice (except as otherwise expressly provided in this Declaration) or demand, and without set-off or deduction of any kind or nature. Each Unit Owner is liable for Assessments made against such Owner's Unit during his period of ownership of the Unit. Each Assessment, together with interest, late charges, costs and reasonable attorneys' fees, shall also be the joint, several and personal obligation of each Person who was an Owner of such Unit at the time when the Assessment became due. Upon the transfer of title to a Unit, the transferor and the transferee shall be jointly, severally and personally liable for all unpaid Assessments and other charges due to the Association prior to the date of transfer, and the transferee shall be personally liable for all such Assessments and charges becoming due thereafter.

10.2 Statutory Lien. The Association has a statutory lien pursuant to §38-33.3-316 of the Act on the Unit of an Owner for all Assessments levied against such Unit or fines imposed

against such Unit's Owner from the time the Assessment or fine becomes due (the "Assessment Lien"). Fees, charges, late charges, attorneys' fees, fines and interest charged by the Association pursuant to the Act or this Declaration are enforceable as Assessments. The amount of the lien shall include all such items from the time such items become due. If an Assessment is payable in installments, the Association has an Assessment Lien for each installment from the time it becomes due, including the due date set by the Board of Directors' acceleration of installment obligations. An Assessment Lien is extinguished unless proceedings to enforce the lien are instituted within six (6) years after the full amount of Assessments becomes due.

10.3 Lien Superior to Homestead and Other Exemptions. An Assessment Lien shall be superior to any homestead exemption now or hereafter provided by the laws of the State of Colorado or any exemption now or hereafter provided by the laws of the United States. The acceptance of a deed subject to this Declaration shall constitute a waiver of the homestead and any other exemption as against the Assessment Lien.

10.4 Priority of Lien. An Assessment Lien is prior to all other liens and encumbrances on a Unit except as follows:

- (a) Liens and encumbrances recorded before the recordation of this Declaration;
- (b) A security interest on the Unit which has priority over all other security interests on the Unit and which was recorded before the date on which the Assessment sought to be enforced became delinquent. An Assessment Lien is prior to the security interest described in the preceding sentence to the extent of an amount equal to the Regular Assessments (based on a Budget adopted by the Association pursuant to Section 10.7 below) which would have become due, in the absence of any acceleration, during the six (6) months immediately preceding institution by the Association or any party holding a lien senior to any part of the Association lien created under this Article 10 of an action or a nonjudicial foreclosure either to enforce or to extinguish the lien;
- (c) Liens for Project taxes and other governmental assessments or charges against the Unit; and
- (d) As may otherwise be set forth in the Act. The priority of mechanics' and materialmen's liens is not affected by the Act.

This Article 10 does not prohibit an action or suit to recover sums for which this Article 10 creates a lien or prohibit the Association from taking a deed in lieu of foreclosure. Sale or transfer of any Unit shall not affect the lien for an Assessment.

10.5 Perfection of Lien. The recording of this Declaration constitutes record notice and perfection of the statutory lien. No further recordation of any claim of lien for Assessments is

required; however, a claim may be recorded at the Association's option, in which event costs and attorneys' fees incurred in connection with the preparation and filing of such claim shall be assessed against the Unit as a Reimbursement Assessment.

10.6 Regular Assessments.

- (a) A Regular Assessment shall be made annually against each Unit, based upon an annual Budget prepared by the Board of Directors, for purposes of paying (i) the annual costs of operating and administering the Association and all other Common Expenses, (ii) the costs of services rendered or expenditures incurred by the Association to or for less than all Units (but not including Common Expenses), which shall be assessed only to the Units benefitted and then equally among them, (iii) reasonable reserves for contingencies, replacements, and other proper purposes, and (iv) such other matters as may be reasonably determined by the Board of Directors to be the subject of a Regular Assessment;
- (b) Regular Assessments shall be allocated in accordance with the Allocated Interests of each Unit in the Community, except that (i) any Common Expense or portion thereof benefitting fewer than all of the Units shall be assessed exclusively against the Units benefitted; and (ii) any Common Expense associated with the maintenance, repair, improvement or replacement of a Limited Common Element shall be assessed only against the Unit(s) for which the Limited Common Element is designated. If Common Expense liabilities are reallocated, Common Expense Assessments and any installment thereof not yet due shall be reallocated in accordance with the reallocated Common Expense liabilities.
- (c) Regular Assessments shall be levied on a calendar year basis, except that the initial Regular Assessment period shall commence on the first day of the calendar month or quarter in which the first Unit is conveyed by Declarant to a Person other than Declarant. Regular Assessments shall be paid in installments on a monthly, quarterly or semi-annual basis, as the Board of Directors may determine from time to time, and shall be due either on the first day of each calendar month or on the first day of each calendar year quarter (January 1, April 1, July 1 and October 1), or on the first day of a semi-annual period (e.g. January 1, July 1) as appropriate. Unless and until changed to a monthly or semi-annual system by the Board of Directors, Regular Assessments shall be due and payable on the first day of each calendar quarter. Any Unit Owner acquiring a Unit between installment due dates shall pay a pro rata share of the immediately preceding installment.
- (d) The Board of Directors shall fix the amount of the Regular Assessment, using the Budget procedure described below, at least thirty (30) days before the end of each calendar year. Written notice of the Regular Assessment shall be sent to each Owner. Failure of the Board of Directors timely to fix and levy the Regular Assessments for any year or to send a notice thereof to any Owner shall not relieve or release any Owner from liability for payment of Regular

Assessments or any installments thereof for that or subsequent years as soon as the Board of Directors levies the Regular Assessment and provides notice thereof.

- (e) The Board of Directors shall also mail to each Owner at least ten (10) days prior to the due date thereof a written notice of the amount of the next quarterly (or monthly or semi-annual, as the case may be) installment of Regular Assessment that is due from such Owner, and the date on which such installment is due pursuant to subparagraph (d) above. Failure of the Board of Directors to send timely notice to any Owner of an installment of Regular Assessment due shall not relieve or release any Owner from liability for payment of that installment as soon as the Board of Directors in fact provides such notice.

10.7 Association Budget. The Board of Directors shall adopt a Budget which establishes a Regular Assessment for the Unit Owners. Annually, the Board of Directors shall prepare or cause to be prepared an operating budget (the "Budget") for the next calendar year. The Budget shall provide for the allocation of any surplus funds remaining from any previous Budget period in accordance with §38-33.3-314 of the Act. Within thirty (30) days after adoption of any proposed Budget for the Association, the Board of Directors shall mail, by ordinary first-class mail, or otherwise deliver, a summary of the Budget to all the Unit Owners and shall set a date for a meeting of the Unit Owners to consider ratification of the Budget not less than fourteen (14) nor more than sixty (60) days after the mailing or other delivery of the summary. Such meeting may, but need not be, concurrent with the annual meeting of the Members as provided in the Bylaws. Unless at that meeting sixty-seven percent (67%) of all Unit Owners reject the Budget, the Budget shall be ratified, whether or not a quorum of Owners is present. In the event that the proposed Budget is rejected, the Budget last ratified by the Unit Owners shall be continued until such time as the Unit Owners ratify a subsequent Budget proposed by the Board of Directors.

10.8 Special Assessments. In addition to the Regular Assessments and Reimbursement Assessments authorized in this Article 10, the Board of Directors may levy, in any assessment year, a Special Assessment applicable to that year only for the purpose of defraying, in whole or in part, the cost of any construction, reconstruction, repair, maintenance, or replacement of capital improvements (including related fixtures and personal property) to or upon or serving the Community, or for excess reconstruction costs or other extraordinary expenses, or for funding any operating deficit of the Association. Except in the event of an emergency, or an excess tort liability, where no membership vote shall be required, the Board of Directors shall not levy a Special Assessment without the approval of the Unit Owners in the Community as provided below.

Written notice of any meeting called for the purpose of levying a Special Assessment shall be sent to all Owners no less than thirty (30) or more than fifty (50) days before the meeting. At the meeting, the presence of Owners in person or by proxy that are entitled to cast fifty percent (50%) of the votes in the Association shall constitute a quorum. If the required quorum is not present, another meeting may be called pursuant to the same notice requirements, and the required quorum at this second meeting shall be only thirty percent (30%) of the votes in the

Association. No such second meeting shall be held more than sixty (60) days following the date of the first meeting.

Provided a quorum of Owners entitled to vote is present in person or by proxy, in accordance with the quorum requirements set forth in the preceding paragraph, then the affirmative vote of a majority of the Owners so present shall constitute approval of the proposed Special Assessment.

For purposes of this Section 10.8, the term "emergency" shall mean any circumstances or set of circumstances which pose an imminent threat of loss, damage or injury, actual or threatened, to persons or property. Special Assessments shall be allocated in the same manner as Regular Assessments, that is, in accordance with the Allocated Interests of each Unit in the Community, and shall be due and payable to the Association on the due date fixed by the Board of Directors in the notice given to the Owners of such Special Assessment, which due date shall be no earlier than thirty (30) days after the giving of such notice.

10.9 Reimbursement Assessments. In addition to the Regular and Special Assessments authorized hereunder, the Board of Directors may levy against any Owner or Owners, at any time and from time to time, a Reimbursement Assessment for purposes of reimbursing the Association for all costs and expenses incurred by it in enforcing any provision of or in remedying any violation of this Declaration, the Articles and Bylaws, or any Rules and Regulations, by such Owner or Owners, their Occupant(s), or their agents, employees or contractors. Reimbursement Assessments may also be made by the Board of Directors for any other purposes for which this Declaration provides for the levying of a Reimbursement Assessment. Finally, and in addition to the foregoing, a Reimbursement Assessment may also be levied in the form of a reasonable fine against an Owner for a violation of this Declaration, the Articles, Bylaws, or the Rules and Regulations, but only after the Owner(s) to be so fined have been provided with Notice and Hearing. Reimbursement Assessments shall be due and payable to the Association on the due date fixed by the Board of Directors in the notice given to the Owner(s) of such Reimbursement Assessment, which date shall be no earlier than thirty (30) days after the giving of such notice.

10.10 Effect of Nonpayment of Assessments; Remedies of the Association. Any Assessment or portion or installment thereof which is not paid when due (or for which a bad check is issued) shall be deemed delinquent and shall bear interest from and after the due date at the rate of interest set by the Board of Directors from time to time, which shall not be less than twelve percent (12%) nor more than twenty-one percent (21%) per year, and the Board of Directors may also assess a late charge (and/or a bad check charge) thereon. The Board of Directors may also elect to accelerate the installment obligations of any Regular Assessment for which an installment is delinquent. The delinquent Owner shall also be liable for all costs, including attorneys' fees, which may be incurred by the Association in collecting a delinquent Assessment, which collection costs shall be added to the delinquent Assessment. The Board of Directors may, but shall not be required to, record a Notice of Delinquent Assessment or charge against any Unit as to which an Assessment or charge is delinquent. The Notice shall be executed by an officer of the Board of

Directors, and shall set forth the amount of the unpaid Assessment or charge, the name of the delinquent Owner and a description of the Unit.

The Assessment Lien may be foreclosed by the Association in the same manner as a mortgage on real property. The Association shall be entitled to purchase the Unit at foreclosure. The Association may also bring an action at law against the Owner personally obligated to pay the delinquent Assessment and/or foreclose the lien against the Owner's Unit in the discretion of the Association. No Owner may exempt himself or otherwise avoid liability for the Assessments provided for herein by waiver of the use or enjoyment of any Common Elements or by abandonment of the Unit against which the Assessments are made.

In any action by the Association to collect Assessments or to foreclose a lien for unpaid Assessments, the court may appoint a receiver to collect all sums alleged to be due from the Unit Owner prior to or during the pending of the action. The court may order the receiver to pay any sums held by the receiver to the Association during the pending of the action to the extent of the Association's Regular Assessments.

10.11 Statement of Unpaid Assessments. The Association shall furnish to an Owner or such Owner's designee or to a holder of a security interest or its designee upon written request, delivered personally or by facsimile transmittal or by certified mail, first class postage prepaid, return receipt requested, to the Association, a written statement setting forth the amount of unpaid Assessments currently levied against such Owner's Unit, whether delinquent or not. The statement shall be furnished within fourteen (14) days after receipt of the request and is binding on the Association, the Board of Directors, and every Owner. If no statement is furnished either delivered personally or by facsimile transmission or by certified mail, first-class postage prepaid, return receipt requested, to the inquiring party, then the Association shall have no right to assert a lien upon the Unit for unpaid Assessments which were due as of the date of the request.

10.12 Assessments for Tort Liability. In the event of any tort liability against the Association which is not covered completely by insurance, each Owner shall contribute for the payment of such liability as a Special Assessment. The Association may, however, require a larger contribution from fewer than all Owners under any legal or equitable principles regarding liability for negligent or willful acts or omissions.

ARTICLE 11

Eminent Domain

11.1 Definition of Taking. The term "taking", as used in this Article 11, shall mean condemnation by eminent domain or sale under threat of condemnation.

11.2 Representation in Condemnation Proceedings of Common Elements. In the event of a threatened taking of all or any portion of the Common Elements, the Unit Owners hereby appoint the Association through such Persons as the Board of Directors may designate to represent the Association and all of the Unit Owners in connection therewith. The Association shall act in its sole discretion with respect to any awards being made in connection with the taking and shall be entitled to make a voluntary sale to the condemnor in lieu of engaging in a condemnation action. Service of

process on the Association shall constitute sufficient notice to all Unit Owners, and service of process on each individual Unit Owner shall not be necessary.

11.3 Award for Common Elements. Any awards received by the Association on account of the taking of Common Elements shall be paid to the Association. The Association may, in its sole discretion, retain any award in the general funds of the Association or distribute all or any portion thereof to the Unit Owners as their interests may appear. The rights of a Unit Owner and the mortgagee of a Unit as to any such distribution shall be governed by the provisions of the mortgage encumbering the Unit.

11.4 Taking of Units. If a Unit is acquired by eminent domain or part of a Unit is acquired by eminent domain leaving the Unit Owner with a remnant which may not practically or lawfully be used for any purpose permitted by this Declaration, the award must include compensation to the Townhome Unit Owner for the acquired Unit and its Allocated Interests. Upon acquisition, unless the decree otherwise provides, that Unit's Allocated Interests are automatically reallocated to the remaining Units (as appropriate) in proportion to the respective Allocated Interests of those Units before the taking. Any remnant of a Unit remaining after part of a Unit is taken is thereafter a Common Element. Otherwise, if part of a Unit is acquired by eminent domain, the award must compensate the Unit Owner for the reduction in value of the Unit. Upon acquisition, unless the decree otherwise provides:

- (a) That Unit's Allocated Interests are reduced in proportion to the reduction in the size of the Unit; and
- (b) The portion of Allocated Interests divested from the partially acquired Unit is automatically reallocated to that Unit and to the remaining Units (as appropriate) in proportion to the respective interests of those Units before the taking, with the partially acquired Unit participating in the reallocation on the basis of its reduced Allocated Interests.

11.5 Miscellaneous. The court decree shall be recorded in Garfield County. The reallocations of Allocated Interests pursuant to this Article shall be confirmed by an amendment to the Declaration prepared, executed, and recorded by the Association.

ARTICLE 12

Acknowledgements, Construction Defects, Disputes, Dispute Resolution and Litigation

12.1 Acknowledgements.

- (a) *Security.* THE ASSOCIATION SHALL NOT IN ANY WAY BE CONSIDERED AN INSURER OR GUARANTOR OF SECURITY WITHIN THE PROJECT, NOR SHALL THE ASSOCIATION BE HELD LIABLE FOR ANY LOSS OR DAMAGE BY REASON OF FAILURE TO PROVIDE ADEQUATE SECURITY, INEFFECTIVENESS OF SECURITY MEASURES UNDERTAKEN, OR ACTS OF THIRD PARTIES. ALL OWNERS, TENANTS, GUESTS, AND INVITEES OF ANY OWNER, AS

APPLICABLE, ACKNOWLEDGE THAT THE ASSOCIATION IS NOT AN INSURER AND THAT EACH OWNER, TENANT, GUEST, AND INVITEE ASSUMES ALL RISK OF LOSS OR DAMAGE TO PERSONS, TO UNITS, AND TO THE CONTENTS OF UNITS, AND FURTHER ACKNOWLEDGES THAT THE ASSOCIATION MAKES NO REPRESENTATIONS OR WARRANTIES, NOR HAS ANY OWNER, TENANT, GUEST, OR INVITEE RELIED UPON ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED RELATIVE TO ANY SECURITY MEASURES RECOMMENDED OR UNDERTAKEN.

- (b) *No View Easement.* There is no easement or other right, express or implied, for the benefit of the Unit or any Owner for light, view or air created by this Declaration or as a result of the Owner owning the Unit.
- (c) *Sound Transmission.* Sound and impact noise transmission in a building(s) such as the Project is hard to control, and noises from adjoining or nearby structures and surrounding development and/or mechanical equipment can and will be heard in the Units. The Association is not responsible in any way for sound or impact noise transmission.
- (d) *Mold Disclosure.* Molds, mildew, fungi, bacteria and microbiologic organisms (collectively “Molds”) are present in soil, air and elsewhere in the environment. Molds can proliferate in various environments including, among others, damp areas such as bathrooms and within walls and partitions. Certain parties have expressed concerns about the possible adverse effects on human health from exposure to Molds. Due to various reasons, including the varying sensitivities of different individuals to various types of Molds and other contaminants, as of the date of this Declaration there currently exist no state or federal standards regarding acceptable levels of exposure to Molds. EACH OWNER ACKNOWLEDGES THAT DECLARANT MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE PAST, CURRENT OR FUTURE PRESENCE OR ABSENCE OF MOLDS IN OR IN THE VICINITY OF ITS UNIT, ANY COMMON ELEMENT WALL(S) LOCATED WITHIN ITS UNIT, OR ANY LIMITED COMMON ELEMENT ALLOCATED TO ITS UNIT OR IN ANY OTHER PORTION OF THE COMMUNITY. The provisions of this paragraph will be binding upon the Owners to the fullest extent permitted by applicable law, as may be in effect from time to time.
- (e) *Inspection by Others, Waiver of Post Inspection Liability.* It is hereby expressly understood and agreed by Declarant and by any Owner acquiring a Unit that Declarant relies upon governmental inspectors and other qualified subcontractors and tradesman to inspect the construction of the Unit and the Common Elements in order to verify compliance with construction plans and with any and all building code requirements applicable to residential construction. Declarant and each Owner further expressly understand and agree that, with respect to the Units and the Common Elements and the Limited Common Elements, upon compliance with the inspections required by the local building department and the issuance of a certificate of occupancy by the responsible government agency, Declarant will be deemed

to have used its best efforts to construct such Units and Common Elements in substantial compliance with the construction plans and all applicable building code requirements. EXCEPT AS OTHERWISE MAY BE PROVIDED IN A PURCHASE AND SALE OR OTHER AGREEMENT BETWEEN DECLARANT AND AN OWNER, EACH OWNER, BY ACQUIRING AN OWNERSHIP INTEREST, HEREBY KNOWINGLY AND WILLINGLY WAIVES AS AGAINST DECLARANT AND ITS AFFILIATES ANY AND ALL DEMANDS, CLAIMS, ACTIONS AND CAUSES OF ACTION, AND ALL LIABILITY, LOSSES, DAMAGES, COSTS OR EXPENSES THAT HAVE BEEN OR MAY BE INCURRED IN ASSOCIATION THEREWITH, INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES AND EXEMPLARY DAMAGES, WHICH ARISE FROM OR ARE RELATED TO ANY NONCOMPLIANCE OF THE UNITS OR THE COMMON ELEMENTS WITH CONSTRUCTION PLANS OR BUILDING CODE REQUIREMENTS, WHICH NONCOMPLIANCE IS NEITHER SUBSTANTIAL NOR MATERIAL IN NATURE AND WHICH NONCOMPLIANCE IS DISCOVERED AFTER THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR, RESPECTIVELY, SUCH UNITS, COMMON ELEMENTS OR LIMITED COMMON ELEMENTS; AND ANY SUCH NONCOMPLIANCE WILL BE DEEMED UNINTENTIONAL WITH RESPECT TO DECLARANT. TO THE EXTENT THAT ANY SUBSTANTIAL OR MATERIAL NONCOMPLIANCE WITH APPLICABLE BUILDING CODES OR WITH THE CONSTRUCTION PLANS IS DISCOVERED WITH REGARD TO ANY UNIT OR THE COMMON ELEMENTS, THE PROVISIONS OF THIS ARTICLE 12 WILL GOVERN SUCH MATTER. THE PROVISIONS OF THIS SECTION 12.1(e) WILL BE BINDING UPON THE OWNERS AND THE ASSOCIATION TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, AS MAY BE IN EFFECT FROM TIME TO TIME.

12.2 Testing for Construction Defects.

- (a) The Association will not undertake or authorize any testing, including, without limitation, investigative testing, destructive testing or invasive testing of any kind for defects in construction of any Unit, Common Element or Limited Common Element without first determining, based upon the presence of some readily observable evidence or condition, that a defect may exist. In making such a determination the Board of Directors will rely on the opinions and/or the conclusions of a qualified expert (e.g., a structural engineer); even in the event such evidence or conditions exist, the Association will not be obligated to authorize or undertake such testing.
- (b) In determining whether to authorize such testing, the Board of Directors will be governed by the following considerations:
 - a. Whether the Association's position is strong enough to justify taking any other or further action;
 - b. Whether, although a technical violation may exist or may have occurred, it is of such a material nature as to be objectionable to a

- reasonable person or to justify expending the Association's resources;
and
- c. Whether it is in the Association's best interests, based upon hardship, expense, inconvenience or other reasonable criteria to pursue the matter further.
- (c) Notwithstanding the foregoing, under no circumstance with the Association authorize such testing as is contemplated under Section 12.2(a) unless the nature of the suspected defect is such that:
 - a. It poses a significant risk to life, health, safety or personal property;
and
 - b. It threatens or affects the structural integrity, functionality or performance of the Property (or a portion thereof) for its intended use.
- (d) In the event that the Board of Directors undertakes or authorizes testing for construction defects, then prior to any testing taking place, Declarant and others responsible for the construction will be entitled to notice of the alleged defect, access to the area of the alleged defect and an opportunity to inspect the area and repair any defect that is found to exist. Declarant and others responsible for construction will also be entitled to be present during any testing and may record (via videotape, audio tape, still photographs, or any other recording method) all testing conducted and all alleged defects found.
- (e) In the event that testing discloses any defects, Declarant and others responsible for construction will be given a reasonable amount of time, based on the nature and extend of the defect, to repair or correct the condition. If Declarant or others responsible for construction fail to repair or correct the condition, the Board of Directors will have the right, but not the obligation, to proceed with a "Claim" pursuant to this Article. In determining whether to proceed with such a Claim, the Board will be governed by the same standards as set forth in Section 12.7 below.

12.3 Consensus for Condominium Association Litigation. Except as provided in this Section 12.3, the Association will not commence a judicial or administrative proceeding, including, without limitation, any proceeding required under Section 12.6 below, without (a) the approval of the Owners to which as least 67% of the votes in the Association are allocated; and (b) the affirmative vote of Declarant so long as Declarant owns any Unit. This Section 12.3 will not apply, however, to: (i) actions brought by the Association to enforce the terms of this Declaration, the Bylaws, the Rules, the Design Guidelines or the Construction Guidelines (including, without limitation, the foreclosure of liens); (ii) the imposition and collection of Assessments; (iii) proceedings involving challenges on ad valorem taxation; or (iv) counterclaims brought by the Association in proceedings instituted against it. This Section 12.3 will not be amended unless such amendment is approved by at least 67% of the votes in the Association and pursuant to the same procedures, necessary to institute proceedings, as provided for herein.

Prior to the Association of any Owner's commencing any judicial or administrative proceeding which arises out of an alleged defect of any Common Element, Limited Common Element or Unit, Declarant and others responsible for the construction will have the right to be heard by the Owners and to access, inspect, correct the condition of, or redesign any portion of

the Common Elements, Limited Common Elements or Units, including any improvement as to which a defect is alleged. In addition, the Association or the Owner will notify the builder who constructed the subject improvement prior to retaining any other expert as an expert witness or for other litigation purposes.

12.4 Alternative Method for Resolving Disputes. In accordance with and in furtherance of Section 124 of the Act, Declarant; the Association, its officers, directors, and committee members; any Owner; all persons subject to this Declaration; and any person not otherwise subject to this Declaration who agrees to submit to this Section 12.4 (each such entity being referred to as a “Bound Party”) agree to encourage the amicable resolution of disputes, without the emotional and financial costs of litigation. Accordingly, each Bound Party covenants and agrees to submit those claims, grievances or disputes described in Section 12.5 of this Declaration (each, a “Claim”), to the procedures set forth in Section 12.6 of this Declaration.

12.5 Claims. Unless specifically exempted below, all Claims arising out of or related to the interpretation, application or enforcement of this Declaration, or the rights, obligations and duties of any Bound Party under this Declaration or relating to the design or construction of the Units, the Common Elements or the Limited Common Elements (including, without limitation any soils related issues) will be subject to the provisions of Section 12.6 of this Declaration.

Notwithstanding the above, unless all parties thereto otherwise agree, the following will not be Claims and will not be subject to the provisions of Section 12.6 of this Declaration:

- (a) Any suit by the Association against any Bound Party to enforce the provisions of Article 10 (Assessments);
- (b) Any suit by the Association or Declarant to obtain a temporary restraining order or injunction (or equivalent emergency equitable relief) and such other ancillary relief as the court may deem necessary in order to maintain the status quo and preserve the Association’s ability to act under and enforce the provisions of Article 3 (General Provisions and Restrictions Applicable to the Community); and
- (c) Any suit between or among Owners, to the extent such suit asserts a Claim which would constitute a cause of action independent of this Declaration.

With the consent of all parties thereto, any of the above may be submitted to the alternative dispute resolution procedures set forth in Section 12.6.

12.6 Mandatory Procedures.

- (a) *Notice.* Any Bound Party having a Claim (“Claimant”) against any other Bound Party (“Respondent”) (Claimant and Respondent are hereinafter referred to individually, as a “Party”, or collectively as the “Parties”) will notify each Respondent in writing (the “Notice”), stating plainly and concisely (i) the nature of the Claim including the persons involved and

Respondent's role in the Claim; (ii) the legal basis of the Claim (i.e. the specific authority out of which the Claim arises); (iii) the proposed remedy; and (iv) the fact that Claimant will meet with Respondent to discuss in good faith ways to resolve the Claim.

(b) *Negotiation and Mediation.*

- a. The Parties will make every reasonable effort to meet in person and confer for the purpose of resolving the Claim by good faith negotiation. If requested in writing, accompanied by a copy of the Notice, the Board of Directors may appoint a representative to assist the Parties in negotiation.
- b. If the Parties do not resolve the Claim within 30 days after the date of the Notice (or within such other period as may be agreed upon by the Parties) ("Termination of Negotiations"), Claimant will have 30 additional days to submit the Claim to mediation under the auspices of an independent mediation service designated by the Parties, or if the Parties can not agree then as designated jointly by each of the Parties' desired mediation service, and providing dispute resolution services in the Garfield County, Colorado area.
- c. If Claimant does not submit the Claim to mediation within such time, or does not appear for the mediation, Claimant will be deemed to have waived the Claim and Respondent will be released and discharged from any and all liability to Claimant on account of such Claim, *provided, however*, that nothing herein will release or discharge the Respondent from any liability to any person other than Claimant.
- d. Any settlement of the Claim through mediation will be documented in writing by the mediator and signed by the Parties. If the Parties do not settle the Claim within 30 days after submission of the matter to mediation, or within such other time as determined by the mediator or agreed to by the Parties, the mediator will issue a notice of termination of the mediation proceedings ("Termination of Mediation"). The Termination of Mediation notice will set forth that the Parties are at an impasse and the date that the mediation was terminated.
- e. Within five business days of the Termination of Mediation, Claimant will make a final written settlement demand ("Settlement Demand") to Respondent, and Respondent will make a final written settlement offer ("Settlement Offer") to Claimant. If Claimant fails to make a Settlement Demand, Claimant's original Notice will constitute the Settlement Demand. If Respondent fails to make a Settlement Offer, Respondent will be deemed to have made a "zero" or "take nothing" Settlement Offer.

(c) *Final and Binding Arbitration.*

- a. If the Parties do not agree in writing to a settlement of the Claim within 15 days of the Termination of Mediation, Claimant will have 15 additional days to submit the Claim to arbitration. If not timely submitted to arbitration or if Claimant fails to appear for the

arbitration proceeding, the Claim will be deemed abandoned, and Respondent will be released and discharged from any and all liability to Claimant arising out of such Claim; *provided, however*, that nothing herein will release or discharge Respondent from any liability to persons other than Claimant.

- b. This Section 12.6(c) is an agreement to arbitrate and is specifically enforceable under the applicable arbitration laws of the State of Colorado. The arbitration award (the “Award”) will be final and binding with no right to appeal, and judgment may be entered upon it in any court of competent jurisdiction to the fullest extent permitted under the laws of the State of Colorado.

(d) *Allocation of Costs of Resolving Claims.*

- a. Except as provided for below, each Party, including, without limitation, any Owner and the Association, will share equally all charges rendered by the mediator(s) and all filing fees and costs of conducting the arbitration proceeding (“Post Mediation Costs”). Under no circumstances will either Party be entitled to recover its attorneys’ fees from the other party (except as specifically provided under Section 123 of the Act). BY ACQUIRING AN OWNERSHIP INTEREST AND AS A MEMBER OF THE ASSOCIATION, EACH OWNER ACKNOWLEDGES AND AGREES THAT SUCH OWNER AND THE ASSOCIATION HAVE WAIVED AND WILL BE DEEMED TO HAVE WAIVED THE RIGHT TO ANY AWARD OF ATTORNEYS’ FEES (EXCEPT AS SPECIFICALLY PROVIDED UNDER SECTION 123 OF THE ACT) IN CONNECTION WITH THE ARBITRATION OF A DISPUTE UNDER THIS SECTION 12.6(d).
- b. Any Award which is equal to or more favorable to Claimant than Claimant’s Settlement Demand will cause Claimant’s Post Mediation Costs to be added to the Award, such costs to be borne equally by all Respondents. Any Award which is equal to or less favorable to Claimant than any Respondent’s Settlement Offer will award to such Respondent its Post Mediation Costs. With respect to any Award which is less favorable to Claimant than Claimant’s Settlement Demand yet more favorable to the Claimant than Respondent’s Settlement Offer, each Party will bear its own Post Mediation Costs.

- (e) *Limitation on Damages.* No Party, including, without limitation, any Owner and the Association, will be entitled to receive any award of damages in connection with the arbitration of a Claim other than such Party’s actual damages, and Declarant, the Association and any Owner will be deemed to have waived the right to receive any damages in a dispute other than actual damages, including, without limitation, attorneys’ fees (except as specifically provided under Section 123 of the Act), special damages, consequential damages, and punitive or exemplary damages. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, AS MAY BE IN EFFECT FROM TIME TO TIME, BY ACQUIRING AN OWNERSHIP INTEREST AND AS A MEMBER OF THE ASSOCIATION, EACH OWNER KNOWINGLY

AND WILLINGLY ACKNOWLEDGES AND AGREES THAT SUCH OWNER AND THE ASSOCIATION HAVE WAIVED AND WILL BE DEEMED TO HAVE WAIVED, IN CONNECTION WITH THE ARBITRATION OF ANY DISPUTE UNDER SECTION 12.6(c), THE RIGHT TO ANY AWARD OF CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, OR OTHER NON-COMPENSATORY DAMAGES OR SIMILAR DAMAGES, INCLUDING ALL DAMAGES FOR EMOTIONAL DISTRESS, WHETHER FORESEEABLE OR UNFORESEEABLE AND REGARDLESS OF WHETHER SUCH DAMAGES ARE BASED ON (BUT NOT LIMITED TO) CLAIMS ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY OR CONDITION, BREACH OF CONTRACT, VIOLATION OF BUILDING CODE (LOCAL, STATE OR FEDERAL), CONSTRUCTION DEFECTS (INCLUDING SOILS RELATED ISSUES), MISREPRESENTATION OR NEGLIGENCE OR OTHERWISE.

- (f) *Multiple Party Claims.* Multiple Party Claims not consolidated or administered as a class action pursuant to the following sentence will be subject to, and will be arbitrated individually. Only with the written request of all Parties involved, but not otherwise, the arbitrator may: (i) consolidate in a single arbitration proceeding any multiple Party Claims that are substantially identical; and (ii) arbitrate multiple Claims as a class action in accordance with the rules and procedures adopted by Construction Arbitration Services, Inc.
- (g) *Enforcement of Resolution.* If the Parties agree to a resolution of any Claim through negotiation or mediation in accordance with Section 12.6(b) above and any Party thereafter fails to abide by the terms of such agreement, or if any Party fails to comply with an Award, then any other Party may file suit or initiate administrative proceedings to enforce such agreement or Award without the need to again comply with the procedures set forth in this Section 12.6. In such event, the Party taking action to enforce (or if more than one non-complying Party, from all such Parties pro rata) all costs incurred in enforcing such agreement or Award, including, without limitation, attorneys' fees and court costs to the extent specifically provided under Section 123 of the Act.

12.7 Legal Proceedings. Subject to the provisions of Sections 12.2 through 12.6 of this Declaration, the Association will have the right, but not the obligation, to institute legal proceedings to enforce all rights under this Declaration, the Bylaws, the Rules, Design Guidelines and Construction Rules. The decisions to institute legal proceedings by seeking the approval of the Owners to which at least 67% of the votes in the Association are allocated, pursuant Exhibit B of this Declaration, will be in the sole discretion of the Board of Directors and will be governed by the considerations detailed in Section 12.3, if applicable. Failure to commence such legal proceedings will not constitute a waiver of any such rights. ANY LIMITATIONS ON DAMAGES AND ALL WAIVERS OF LIABILITY AND RIGHTS TO AWARDS OF DAMAGES SET FORTH IN ANY SECTION OF THIS DECLARATION WITH RESPECT TO OWNERS, INCLUDING, WITHOUT LIMITATION, SECTIONS 12.6(c), 12.6(e) AND 12.6(f), WILL APPLY WITH EQUAL FORCE AND EFFECT WITH

RESPECT TO THE ASSOCIATION IN ANY LEGAL PROCEEDINGS INSTITUTED BY THE ASSOCIATION UNDER THIS SECTION 12.7. THE PROVISIONS OF SECTIONS 12.2 THROUGH 12.7 WILL BE BINDING UPON THE OWNERS AND THE ASSOCIATION TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, AS MAY BE IN EFFECT FROM TIME TO TIME.

12.8. Enforcement of Declaration, Bylaws and Rules.

- (a) *Sanctions and Self-Help.* Except as otherwise provided in this Declaration, after notice and an opportunity to be heard as provided in the Bylaws, the Rules or the CCIOA Policies, the Association, acting through the Board of Directors or any authorized agent may: (i) impose sanctions (including, without limitation, reasonable monetary fines and suspension of the Owner's right to vote in Association matters) for violations of the Governing Documents (ii) exercise self-help to cure any violations of the Governing Documents that an Owner or permittee fails or refuses to cure; and (iii) suspend any services it provides to any Owner who is more than 15 days delinquent in paying any Assessment or other charge due to the Association. All of the remedies set forth in the Governing Documents will be cumulative of each other and any other remedies available at law or in equity. If the Association prevails in any action to enforce the provisions of the Governing Documents, it will be entitled to recover all costs, including, without limitation attorneys' fees and court costs to the extent specifically provided under Section 123 of the Act, reasonably incurred by it in such action.
- (b) *No Waiver.* In no event will the Association's failure to enforce any covenant, restriction or rule provided for in the Governing Documents constitute a waiver of the Association's right to later enforce such provision or any other covenant of the Association's right to later enforce such provision or any other covenant, restriction or rule.

12.9 Procedures for Addressing Disputes arising Between the Association and Owners. The provisions of this Article 12 contain the Association's responsible governance policy regarding the procedures for addressing disputes arising between the Association and Owners as required under Section 209.5(1)(VIII) of the Act.

ARTICLE 13
General Provisions

13.1 Duration of Declaration. The term of this Declaration shall be perpetual.

13.2 Termination of Community. The Community may be terminated only by the agreement of (i) Unit Owners holding at least eighty percent (80%) of the votes in the Association, and (ii) the holders of all first mortgages on Units. In the event of such termination, the provisions of Section 38-33.3-218 of the Act shall apply.

13.3 Amendment of Declaration and Plat. This Declaration and the Plat may be amended pursuant to Section 38-33.3-217 of the Act. Under the Act, the Declaration (including the Plat) may be amended by the Declarant in certain defined circumstances,

including without limitation when Declarant is exercising reserved rights under Article 4 hereof, and for purposes of correcting clerical, typographical or technical errors. The Act also provides that the Declaration may be amended by the Association in certain defined circumstances. Otherwise, and subject always to any provisions of this Declaration requiring the consent of Declarant to certain actions, this Declaration (including the Plat) may be amended only by the vote or agreement of Unit Owners holding at least sixty-seven percent (67%) of the votes in the Association. Furthermore, Section 38-33.3-217(4) of the Act provides that except to the extent expressly permitted or required by other provisions of the Act (e.g., permitted Declarant and Association amendments), no amendment may (i) increase the number of Units, or (ii) change the boundaries of any Unit or the Allocated Interests of a Unit in the absence of a vote or agreement of Unit Owners holding at least sixty-seven percent (67%) of the votes in the Association, including sixty-seven percent (67%) of the votes allocated to Units not owned by Declarant. No consent of any mortgage or trust deed holder shall be required to accomplish any such amendments.

An amendment to this Declaration shall be in the form of a "First (or Second, etc.) Amendment to Declaration and Plat", and shall be duly executed by the President and Secretary of the Association and recorded in the Office of the Clerk and Recorder of Garfield County. All amendments to this Declaration shall be indexed in the Grantee's index in the names of the Community and the Association, and in the Grantor's index in the name of each Person executing the amendment.

13.4 Compliance; Enforcement. Every Owner and Occupant of a Unit in the Community shall fully and faithfully observe, abide by, comply with and perform all of the covenants, conditions and restrictions set forth in this Declaration, the Articles, Bylaws and Rules and Regulations, and all approvals granted by the Board of Directors, as the same or any of them may be amended from time to time. In addition to any other rights or remedies that may be provided to any Person under the terms and provisions of this Declaration, the Association through its Board of Directors, and every Unit Owner (except an Owner that is delinquent in the payment of Assessments hereunder), shall have the right, acting alone or together with others having such right, to enforce, by any proceeding at law or in equity, any or all of the covenants, conditions, restrictions, assessments, charges, liens, servitudes, easements and other provisions now or hereafter imposed by this Declaration, the Articles, Bylaws, Rules and Regulations, and approvals granted by the Board of Directors. Such enforcement rights shall include without limitation the right to bring an injunctive action for any form of injunctive relief available under Colorado law (including specific performance), or an action for damages, or both. Injunctive relief may include, without limitation, orders to stop work, orders to remove improvements constructed in violation hereof, orders to compel performance, and any other orders appropriate under the circumstances.

The Board of Directors shall have the further right (a) to levy and collect reasonable fines for the violation of any of the foregoing matters, (b) to levy and collect a Reimbursement Assessment against any Owner, and/or (c) to enter upon any Unit within the Community, after giving the Unit Owner or Occupant at least five (5) days written notice of the nature of the violation (unless an emergency exists, in which case without notice),

without liability to the Owner or Occupant thereof, to enforce or cause compliance with such matters, at the cost and expense of the Owner or Occupant in violation.

In any action brought under this Section 13.4, the prevailing party shall be entitled to an award of its reasonable attorneys' fees and costs incurred in connection therewith. Failure by any party entitled to do so to exercise in a particular instance any of the rights available to it under this Section 13.4 shall in no event be deemed a waiver of the right to do so in any other instance.

Provided always, that no Owner shall have the right to bring an enforcement action against another Owner or Occupant for a breach by that Owner or Occupant of any of such matters, or against the Association for a breach by the Association of any of such matters or for a failure by the Association to enforce compliance with such matters by others, until the aggrieved Owner has given the offending Owner or Occupant and the Association at least thirty (30) days prior written notice of the aggrieved Owner's complaint and the opportunity to resolve the problem during that thirty (30) day period.

And further provided, that notwithstanding any law to the contrary, no action shall be commenced or maintained to enforce the terms of any building restriction contained in the provisions of this Declaration, the Bylaws, the Articles of Incorporation, or the Rules and Regulations, or to compel the removal of any Building or improvement because of the violation of the terms of any such building restriction, unless the action is commenced within one year from the date from which the Person commencing the action knew or in the exercise of reasonable diligence should have known of the violation for which the action is sought to be brought or maintained.

13.5 Notice. Each Unit Owner, and each first mortgagee if it so elects, shall register its mailing address and email address from time to time with the Association. Except as otherwise specifically provided in this Declaration, any notice permitted or required to be given hereunder shall be in writing and may be delivered either personally, by facsimile transmission, by mail or by email. Notices delivered personally or sent by facsimile transmission shall be deemed given on the date so delivered or sent. If delivery is made by mail, it shall be deemed to have been delivered two (2) business days after a copy of the same has been posted in the first-class U.S. Mail with adequate postage affixed, addressed to the receiving party at the address last registered by such party with the Association, or in the case of a Unit Owner that has not provided such an address, to the Unit of that Owner. Notices to the Association shall be sent to such address as it may from time to time designate in writing to each Owner.

13.6 No Dedication to Public Use. Nothing contained in this Declaration shall be deemed to be or to constitute a dedication of all or any part of the Community to the public or to any public use.

13.7 Interpretation of Declaration. The provisions of this Declaration shall be liberally construed to effectuate its purposes of creating a common and general plan for the development, improvement, enhancement, protection and enjoyment of the Community, and to the extent

possible, shall be construed so as to be consistent with the Act. In the event that any of the terms and conditions of this Declaration are determined to be inconsistent with the Act, the Act shall control.

13.8 Conflicts between Documents.

- (a) In the event of any conflict or inconsistency between the provisions of this Declaration and the Plat, the provisions of the Plat shall govern and control and the Declaration shall automatically be amended, but only to the extent necessary to conform the conflicting provisions hereof with the provisions of the Plat.
- (b) In the event of any conflict or inconsistency between this Declaration and the Articles and Bylaws of the Association, this Declaration shall control. In the event of any conflict or inconsistency between the Articles and the Bylaws of the Association, the Articles shall control.

13.9 Declarant's Disclaimer of Representations and Warranties. No representations or warranties of any kind, express or implied, have been given or made by Declarant or its agents or employees in connection with the Community or any portion thereof or any improvements thereon, its or their physical condition, zoning, utilities, or in connection with the subdivision, sale, improvement, operation, maintenance, cost of maintenance, taxes or regulation thereof, unless and except as shall be specifically set forth in writing herein, in any purchase and sale agreement executed by Declarant, or in any closing document related thereto.

13.11 Captions. Captions given to various Articles and Sections herein are for convenience only and are not intended to modify or affect the meaning of any of the substantive provisions hereof and shall not be considered in interpreting any of the provisions hereof.

13.12 Singular Includes Plural. Unless the context requires a contrary construction, as employed in this Declaration the singular shall include the plural and the plural the singular; and the masculine, feminine or neuter shall each include the masculine, feminine and neuter.

13.13 Remedies Cumulative. Each remedy provided under this Declaration is cumulative and not exclusive.

13.14 Governing Law; Jurisdiction. The laws of the State of Colorado shall govern the interpretation, validity, performance, and enforcement of this Declaration. Any legal action brought in connection with this Declaration shall be commenced in the District Court for Garfield County, Colorado, and by acceptance of a deed to a Unit each Unit Owner voluntarily submits to the jurisdiction of such court.

13.15 Severability. Any determination by any court of competent jurisdiction that any provision of this Declaration is invalid or unenforceable shall not affect the validity or enforceability of any of the other provisions hereof. Where any provision of this Declaration is alleged to be or declared by a court of competent jurisdiction to be unconscionable, Successor

Declarant shall have the right by amendment to this Declaration to replace such provision with a new provision, as similar thereto as practicable but which in Declarant's reasonable opinion would be considered not to be unconscionable.

13.16 Association as Attorney-in-Fact. Except as otherwise provided herein, this Declaration does hereby make mandatory the irrevocable appointment of an attorney-in-fact to deal with the Property and the Project in the event of its destruction, damage, obsolescence, or condemnation, including the repair, replacement and improvement of any Units, Common Elements or other portions thereof which may have been destroyed, damaged, condemned, or become obsolete. Title to any Unit is declared and expressly made subject to the terms and conditions hereof, and acceptance by any grantee of a deed or other instrument of conveyance from the declarant or from any Owner or grantor shall constitute appointment of the attorney-in-fact herein provided. All of the Owners irrevocably constitute and appoint the Association as their true and lawful attorney in their name, place and stead, for the purpose of dealing with the Community and Property upon its damage, destruction, obsolescence, or condemnation as is hereinafter provided. As attorney-in-fact, the Association, by its president and secretary or its other duly authorized officers and agents, shall have full and complete authorization, right and power to make, execute and deliver any contract, deed, or other instrument with respect to the interest of an Owner which is necessary and appropriate to exercise the powers herein granted.

IN WITNESS WHEREOF, Declarant has executed this Declaration the day and year first above written.

DECLARANT

Cardiff 96, LLC, a Colorado limited liability company

By: _____

Print Name: _____

Its: _____

STATE OF COLORADO)
)ss
County of Garfield)

Acknowledged, subscribed and sworn to me before me this ____ day of _____, 2018 by _____, as _____ of Cardiff 96, LLC, a Colorado limited liability company, Declarant.

WITNESS my hand and official seal.

My Commission expires:_____.

Notary Public

EXHIBIT A
Legal Description

[update from title before recording]

LOTS 95 AND 96
CARDIFF GLEN P.U.D., FILING ONE
ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1999 AS RECEPTION NO.
[547815](#).

EXCEPTING:
LOT 98
CARDIFF GLEN P.U.D, FILING THREE
ACCORDING TO THE PLAT THEREOF RECORDED MAY 6, 2002 AT RECEPTION NO.
[602820](#) AND DECLARATION RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE [853](#)
CITY OF GLENWOOD SPRINGS

COUNTY OF GARFIELD
STATE OF COLORADO

Exhibit B
Allocated Interests and Votes for Each Unit

Unit Number	Percentage Share	Votes
1	3.45%	1
2	3.45%	1
3	3.45%	1
4	3.45%	1
5	3.45%	1
6	3.45%	1
7	3.45%	1
8	3.45%	1
9	3.45%	1
10	3.45%	1
11	3.45%	1
12	3.45%	1
13	3.45%	1
14	3.45%	1
15	3.45%	1
16	3.45%	1
17	3.45%	1
18	3.45%	1
19	3.45%	1
20	3.45%	1
21	3.45%	1
22	3.45%	1
23	3.45%	1
24	3.45%	1
25	3.45%	1
26	3.45%	1
27	3.45%	1
28	3.45%	1
29	3.45%	1

Total: 29 Units 100.05

EXHIBIT C
Other Recorded Easements and Licenses Affecting the Community

[update from title commitment prior to recording]

1. RIGHT OF PROPRIETOR OF A VEIN OR LODGE TO EXTRACT AND REMOVE HIS ORE THEREFROM SHOULD THE SAME BE FOUND TO PENETRATE OR INTERSECT THE PREMISES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE 148 AND RECORDED JULY 29, 1895 IN BOOK 12 AT PAGE 375
2. RIGHT OF WAY FOR DITCHES OR CANALS CONSTRUCTED BY THE AUTHORITY OF THE UNITED STATES AS RESERVED IN UNITED STATES PATENT RECORDED MAY 10, 1892, IN BOOK 12 AT PAGE 148 AND RECORDED JULY 29, 1895 IN BOOK 12 AT PAGE 375
3. TERMS, CONDITIONS, PROVISIONS, RESTRICTIONS, EASEMENTS AND RIGHTS OF WAY AS CONTAINED IN AVIATION AND HAZARD EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 848.
4. EASEMENTS, RIGHTS OF WAY AND OTHER MATTERS AS FOUND ON THE CARDIFF GLEN PLAT RECORDED JUNE 24, 1999 AS RECEPTION NO. 547815 AND THE CARDIFF GLEN FILING THREE PLAT RECORDED MAY 6, 2002 AT RECEPTION NO. 602820.
5. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANT OR RESTRICTION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN UNLESS AND ONLY TO THE EXTENT THAT SAID COVENANT (A) IS EXEMPT UNDER CHAPTER 42, SECTION 3607 OF THE UNITED STATES CODE OR (B) RELATES TO HANDICAP BUT DOES NOT DISCRIMINATE AGAINST HANDICAPPED PERSONS, AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 853 AND FIRST AMENDMENT RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE 324 AND SECOND AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE 238 AND DECLARATION RECORDED OCTOBER 25, 2000 IN BOOK 1214 AT PAGE 330 AND FIRST AMENDMENT TO DECLARATION RECORDED APRIL 6, 2001 IN BOOK 1244 AT PAGE 249, THIRD AMENDMENT RECORDED MAY 6, 2002 IN BOOK 1352 AT PAGE 527, FOURTH AMENDMENT RECORDED NOVEMBER 17, 2003 IN BOOK 1539 AT PAGE 355.
6. RESTRICTIVE COVENANTS, WHICH DO NOT CONTAIN A FORFEITURE OR REVERTER CLAUSE, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL

STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS CONTAINED IN INSTRUMENT RECORDED MARCH 22, 2005, IN BOOK 1672 AT PAGE 250 AND AMENDMENT RECORDED MARCH 11, 2008 AT RECEPTION NO. 744368.

7. TERMS, CONDITIONS, AND PROVISIONS OF SUBDIVIDER'S AGREEMENT AS CONTAINED IN INSTRUMENT RECORDED JUNE 24, 1999, IN BOOK 1136 AT PAGE 905, FIRST AMENDMENT RECORDED APRIL 6, 2001 IN BOOK 1243 AT PAGE 502 AND AS AMENDED DECEMBER 4, 2003 AT RECEPTION NO. 642206 AND AS AMENDED APRIL 20, 2004 AT RECEPTION NO. 650500 AND AS AMENDED AUGUST 3, 2004 AT RECEPTION NO. 657172 AND AS AMENDED SEPTEMBER 22, 2005 IN BOOK 1723 AT PAGE 412 AND AS AMENDED FEBRUARY 3, 2017 AT RECEPTION NO. 888526.

8. TERMS, CONDITIONS AND PROVISIONS OF WATER FACILITIES EASEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 826 AND COST SHARING AGREEMENT RECORDED SEPTEMBER 8, 1999 IN BOOK 1149 AT PAGE 529.

9. TERMS, CONDITIONS AND PROVISIONS OF UTILITY EASEMENT AGREEMENT RECORDED JUNE 24, 1999 IN BOOK 1136 AT PAGE 837.

10. TERMS, CONDITIONS AND PROVISIONS OF COST SHARING AGREEMENT RECORDED SEPTEMBER 09, 1999 IN BOOK 1149 AT PAGE 529.

11. TERMS, CONDITIONS AND PROVISIONS OF NON-EXCLUSIVE UTILITY EASEMENT RECORDED OCTOBER 30, 2000 IN BOOK 1214 AT PAGE 794.

12. TERMS, CONDITIONS, PROVISIONS, BURDENS AND OBLIGATIONS AS SET FORTH IN JOINT USE AND COST SHARING AGREEMENT RECORDED APRIL 20, 2004 UNDER RECEPTION NO. 650496 AND FIRST AMENDMENT RECORDED DECEMBER 22, 2016 AT RECEPTION NO. 886890.

13. TERMS, CONDITIONS, PROVISIONS, BURDENS, OBLIGATIONS AND EASEMENTS AS SET FORTH AND GRANTED IN EASEMENT DEED RECORDED AUGUST 28, 2014 UNDER RECEPTION NO. 853036.

14. Maintenance Agreement between Solstice Townhome Owners Association and the City of Glenwood Springs [insert details]

BYLAWS
OF
SOLSTICE TOWNHOME OWNERS ASSOCIATION,
a Colorado nonprofit corporation

[draft September 5, 2018]

**BYLAWS
OF
SOLSTICE TOWNHOME OWNERS ASSOCIATION**

The name of the corporation shall be the Solstice Townhome Owners Association, a Colorado nonprofit corporation (the “**Association**”).

ARTICLE 1. PURPOSES, ASSENT OF OWNERS, AND DEFINITIONS

Section 1.1 Purposes. The Association is formed pursuant to the Colorado Revised Nonprofit Corporation Act, Colo. Rev. Stat. § 7-121-101 et seq. (the “**Nonprofit Act**”) and the Colorado Common Interest Ownership Act, Colo. Rev. Stat. § 38-33.3-101 et seq. (the “**Act**”), as each may be amended from time to time. The primary purposes for which the Association is formed are (a) to provide for the operation, administration, use, and maintenance of certain common areas and other property more fully described in the Declaration for Solstice Townhomes, recorded in the office of the Clerk and Recorder of Garfield County, Colorado, as amended or supplemented from time to time (the “**Declaration**”); (b) to preserve, protect, and enhance the values and amenities of such property; and (c) to promote the health, safety, and welfare of members of the Association.

Section 1.2 Assent. All present or future Owners, Occupants, or any other Persons using the facilities of the Project in any manner are subject to these Bylaws and any Rules and Regulations adopted by the Board of Directors pursuant to these Bylaws. Acquisition or rental of any Unit in the Project, or the mere act of occupancy of any Unit shall constitute an acceptance and ratification of these Bylaws and an agreement to comply with said Rules and Regulations.

Section 1.3 Definitions. Unless otherwise specified, capitalized terms used in these Bylaws shall have the same meanings in these Bylaws as such terms have in the Declaration.

ARTICLE 2. MEMBERSHIP

Section 2.1 Membership. Ownership of a Unit is required in order to qualify for membership in the Association.

Section 2.2 Responsibilities of Owners. Each membership is appurtenant to the fee simple title to a Unit. Any Person, including Declarant, upon becoming an Owner, shall automatically become a member of the Association and be subject to these Bylaws. Membership shall terminate without any formal Association action whenever such Person ceases to own a Unit, but such termination shall not relieve or release any former Owner from any liability or obligation incurred under these Bylaws, or in any way connected with the Association arising during the period of such ownership, and shall not impair any rights or remedies which the Board of Directors or others may have against such former Owner arising out of ownership of the Unit and membership in the Association and the covenants and obligations incident thereto.

Following a termination of the Project, the Association will consist of all Owners entitled to share in the distribution of proceeds of a sale of the Project pursuant to the Act.

Section 2.3 Membership Certificates. No certificates of stock shall be issued by the Association, but the Board of Directors may, if it so elects, issue membership cards to Owners. Such membership card shall be surrendered to the secretary of the Association whenever ownership of the Unit designated on the card is transferred and membership terminates.

Section 2.4 Voting Rights. Each Owner and Declarant shall be entitled to vote with respect to any Unit owned by it. There is one (1) vote per Unit. Cumulative voting shall not be allowed in the election of the Board of Directors or for any other purpose. The Association shall not have a vote with respect to any Unit which may be owned by it. Percentages of Owners or of votes stated in the Governing Documents shall be deemed to mean the stated percentage of the number of total votes required to be cast in order to satisfy quorum requirements or, if expressly required, the Total Voting Power.

Section 2.5 Designated Person and Registered Address. If title to a Unit is held by more than one individual, by a firm, corporation, partnership, association or other legal entity or any combination thereof, such individuals, entity, or entities shall, by written instrument executed by all such parties and delivered to the Association, appoint and authorize one (1) person to represent the Owner(s) of the Unit (the “**Designated Representative**”). Such representative shall be a natural person who is an Owner, or a designated board member or officer of a corporate Owner, or a general partner of a partnership Owner, or a comparable representative of any other entity, and such representative shall have the authority to make decisions and take actions relating to the Unit and to membership in the Association including, without limitation, the power to cast votes on behalf of the Owners as a member of the Association and serve on the Board of Directors if elected. The Designated Representative shall be the person to whom all notices and deliveries under the Governing Documents are addressed. There shall be a single registered mailing address associated with each Unit. The Owner, or the Designated Representative of the Owners of a Unit, shall furnish such registered address to the Association within ten days after transfer of title to the Unit to such Owner or Owners. Such registration shall be in written form and signed by the individual Owner or the Designated Representative, as applicable. If no address is registered, then any notice shall be deemed duly given if delivered to the Unit.

ARTICLE 3. MEETINGS OF OWNERS

Section 3.1 Place of Meeting. Meetings of the Owners shall be held at such place, within or without the State of Colorado, as the Board of Directors may determine. All or some of the Owners may participate in a meeting by means of a conference telephone, electronic conferencing or similar communications equipment by which all Persons participating in the meeting can hear each other or read the words of each other at the same time. Such participation shall constitute presence in person at the meeting.

Section 3.2 Annual Meeting. Regular meetings of Owners shall be held annually. The first annual meeting of the Owners shall be held within one (1) year after the date of the adoption of these Bylaws. Thereafter, the annual meetings shall each be held on a date and at a time selected by the Board of Directors each year. The purpose of the annual meetings is to (i) propose and/or review the Budget; (ii) after the Period of Declarant Control, to elect the members of the Board of Directors; and (iii) to transact such other Association business as may properly come before the Owners at the meeting.

Section 3.3 Special Meetings. Calls for special meetings of the Owners may be made (i) by the president of the Association, (ii) by a majority of the Board of Directors, or (iii) by written instrument signed by Owners representing twenty percent (20%) of the Total Voting Power.

Section 3.4 Notice of Meetings. Written notice of each meeting shall be delivered to the registered address of each Owner entitled to be represented by a vote not fewer than ten (10) nor more than fifty (50) days before the date of the meeting, by or at the direction of the president, or the secretary, or the Persons calling the meeting as provided under these Bylaws. Such notice shall state (i) basic meeting information such as the place, day, and hour of the meeting and (ii) the items on the agenda for the meeting, including the general nature of any proposed amendment to the Declaration or these Bylaws, any proposal to remove an officer or member of the Board of Directors, and, in the case of a special meeting, the purpose or purposes for which the meeting is called. No action shall be adopted at a meeting except as stated in the notice. Attendance at any meeting by a member shall constitute a waiver of notice by that member, except where a member attends the meeting for the expressed purpose of objecting that the meeting was not lawfully called or convened. If electronic means are available, the Association shall provide notice of all regular and special meetings of Owners by electronic mail to all Owners who so request and who furnish the Association with their electronic mail addresses, as soon as possible but in all cases, at least twenty four (24) hours before such meetings. In addition to the requirements contained hereinabove and in addition to any electronic posting or electronic mail notices, the notice of any meeting shall be physically posted in a conspicuous place at the Project, to the extent that such posting is feasible and practicable.

Section 3.5 Meeting to Approve Annual Budget. The Budget shall be adopted annually in accordance with the Declaration and the applicable provisions of the Act.

Section 3.6 Adjourned Meetings. If any meeting of the Owners cannot be organized because a quorum, as defined below, is not present, the Owners who are present, either in person or by proxy, may adjourn the meeting from time to time until a quorum is obtained.

Section 3.7 Proxies. Votes allocated to a Unit may be cast pursuant to a proxy duly executed by an Owner. An Owner may not revoke a proxy given pursuant to this Section except by actual notice of revocation to the person presiding over a meeting of the Association. A proxy is void if it is not dated or purports to be revocable without notice. A proxy terminates eleven months after its date, unless it provides otherwise. A form of proxy may be distributed to each Owner to afford the Owner(s) of such Unit the opportunity to cast the vote allocated to such Unit

in absentia at a meeting of Owners of the Association, provided that it meets the requirements for a written ballot set forth in Section 3.12 below and includes the name or names of the person(s) to whom the proxy is given and who expect to be in attendance in person at the meeting for the purpose of casting the vote to reflect the absent Owners' vote.

Section 3.8 Multiple Owners-Proxy. If title to a Unit is held by more than one Person, and if only one of such multiple Owners of a Unit is present at a meeting of the Association, such Owner is entitled to cast the vote allocated to that Unit. If more than one of the multiple Owners of a Unit are present, in person or by proxy, and there is no Designated Representative as required under Section 2.5, the vote allocated to that Unit may be cast only in accordance with the agreement of a majority in interest of the Owners, which majority agreement may be assumed for all purposes if any one of the multiple Owners cast the vote allocated to that Unit without protest being made promptly to the person presiding over the meeting by any of the other Owners of the Unit. If such protest is made, the vote allocated to the Unit may only be cast by written instrument executed by all Owners who are present at the meeting.

Section 3.9 Quorum. Except as otherwise provided in these Bylaws, the presence at the beginning of the meeting in person or by proxy of the Owners possessing sufficient votes to constitute twenty percent (20%) of the Total Voting Power shall constitute a quorum, and such Owners present in person or by proxy shall constitute the Owners entitled to vote upon any issue presented at a meeting at which a quorum is present.

Section 3.10 Voting. Except as otherwise required by the Declaration, the Act or by these Bylaws, the votes of Owners who are present either in person or by proxy at any duly convened meeting of the Association at which a quorum has been established and who cast a simple majority of the total votes eligible to be voted by such present or represented Owners shall decide any question under consideration, and shall constitute the act of and be binding upon the Association. Notwithstanding the foregoing, the following matters require approval or rejection by a percentage of the Total Voting Power, rather than by those present at a meeting where quorum requirements have been satisfied, as further specified in the Governing Documents: (a) the Budget, (b) certain amendments of the Governing Documents, (c) termination of the condominium regime, (d) conveyance or encumbrance of Common Elements, (e) extension of the term of the Declaration, excepting any automatic extensions thereof, (f) removal of any member of the Board of Directors or (g) the determination not to repair or replace any portion of the Project for which insurance coverage is required under the Declaration. At the discretion of the Board of Directors or upon the request of twenty percent (20%) of the Owners who are present at the meeting or represented by proxy, if a quorum has been achieved, a vote upon any matter for which Owners are entitled to vote shall be by secret ballot. In such event, ballots shall be counted by a neutral third party or by a committee of volunteers, who shall be Owners selected or appointed at an open meeting by the person presiding over the Board of Directors for that portion of the meeting but shall not be a member of the Board of Directors and, in the case of a contested election for a Board position, shall not be a candidate. The results of a vote taken by secret ballot shall be reported without reference to names, addresses or other identifying information of Owners participating in such vote.

Section 3.11 Waiver of Meeting and Consent to Action. Whenever the vote of Owners at a meeting of the Association is required or permitted by any provision of these Bylaws to be taken in connection with any action of the Association (including, without limitation, an annual meeting or a vote on ratification of the Budget) the meeting and vote of Owners may be dispensed with and the action in question may be approved if (a) notice of the proposed action is given to all Owners eligible to vote, and (b) a sufficient number of Owners eligible to vote concerning such matter consent in writing to dispense with the meeting and consent in writing to the action in question. A sufficient number is at least the number required to satisfy the voting power that would be necessary to approve the action at a meeting.

Section 3.12 Action by Written Ballot. Any action that may be taken at any annual or special meeting of Owners (including, without limitation, an annual meeting or ratification of the Budget) may be taken without a meeting and through voting by written (including electronic) correspondence, if the following requirements are met:

(a) a written ballot is distributed to every Owner entitled to vote on the matter, setting forth each proposed action and providing an opportunity to vote for or against each proposed action;

(b) the solicitation for votes by written ballot (i) indicates the number of responses needed to meet the quorum requirements for authorization or rejection of the proposed action (or, if the quorum provisions do not apply to the proposed action, as further set forth in Section 3.10 above, specifies the same); (ii) states the percentage of votes needed to authorize or reject each matter, other than election of the Board of Directors (or, if the proposed action is ratification of the Budget pursuant to Section 3.5 above, states that the Budget will be ratified unless rejected by a Majority of Owners; (iii) specifies the time by which a ballot must be received by the Association in order to be counted; and (iv) is accompanied by written information (including, if applicable, a summary of any proposed Budget) sufficient to permit each Person casting such ballot to reach an informed decision on the matter; and

(c) the number of votes cast by written ballot in favor or against the proposed action equals or exceeds the number of votes in favor or against that would be required to authorize or reject the action at a meeting at which the total number of votes cast was the same as the number of votes cast by written ballot.

A written ballot delivered to the Association pursuant to this Section 3.12, may not be revoked. Action taken under this Section 3.12 has the same effect as action taken at a meeting of Owners and may be described as such in any document.

Section 3.13 Meetings of Owners. All Meetings of Owners and Designated Representatives shall be open to every Owner and Designated Representative and all Owners and Designated Representatives shall be permitted to attend, listen and speak at an appropriate time as determined by the Board of Directors before the Board of Directors votes on an issue under discussion.

ARTICLE 4. BOARD OF DIRECTORS

Section 4.1 Number and Qualification. The affairs of the Association shall be governed by a Board of Directors, initially composed of three (3) natural person(s). At the first meeting of the Association after the Period of Declarant Control, at least three (3), and in any event an odd number of Owners, shall be elected to the Board of Directors by the Owners.

Section 4.2 Required Election of Owners. Not later than sixty (60) days after conveyance of twenty-five percent (25%) of the Units that may be created by Declarant to Owners other than Declarant, at least one (1) member and not fewer than twenty-five percent (25%) of the members of the Board of Directors shall be elected by Owners other than Declarant. Not later than sixty (60) days after conveyance of fifty percent (50%) of the Units that may be created by Declarant to Owners other than Declarant, not fewer than thirty-three and one-third percent (33-1/3%) of the members of the Board of Directors must be elected by Owners other than Declarant. Not later than the termination of the Period of Declarant Control, the Owners shall elect all members of the Board of Directors, at least a majority of whom shall be Owners other than Declarant or Designated Representatives of Owners other than Declarant. The Board of Directors shall elect the officers. The members of the Board of Directors and officers shall take office upon election.

Section 4.3 Declarant Control of the Association. There shall be a Period of Declarant Control of the Association, during which Declarant, or Persons designated by Declarant, may appoint and remove the officers of the Association and members of the Board of Directors (subject to the requirements of Section 4.2 above). The Period of Declarant Control shall commence upon filing of the Articles of Incorporation and shall terminate as provided in the Declaration or in Section 4.2 above.

Declarant may voluntarily surrender the right to appoint and remove officers and members of the Board of Directors before termination of the Period of Declarant Control. In that event, Declarant may require, for the duration of the Period of Declarant Control, that specified actions of the Association or Board of Directors, as described in a recorded instrument executed by Declarant, be approved by Declarant before they become effective.

The names and addresses of the Persons who are to initially act in the capacity of the members of the Board of Directors until their successors are duly elected and qualified are as set forth in the organizational consent minutes of the Association, a copy of which has been placed in the Association's minute book.

Section 4.4 Election and Term of Office. Until the first annual meeting after the Period of Declarant Control terminates, the terms of members of the Board of Directors not appointed by Declarant shall, unless otherwise required by a resolution of the Board at the time of each such member's election, continue until and expire on the date of the first meeting of the Owners following termination of the Period of Declarant Control. At the first meeting of the Association after the Period of Declarant Control, the terms of all existing members of the Board of Directors shall be deemed to have expired, and an election shall be held for all members of the

Board of Directors. The terms of the members of this initial Board of Directors elected by the Owners shall be staggered so that one (1) or more members shall be elected to serve a one (1) year term, one or more members shall be elected to serve a two (2) year term, and one or more members shall be elected to serve a three (3) year term. At the expiration of the initial term of office for each respective member of the Board of Directors, his or her successor shall be elected to serve a term of three (3) years. Notwithstanding any provision in this Section 4.4 to the contrary, members of the Board of Directors may be elected by written consent or ballot pursuant to the conditions set forth in Sections 3.11 or 3.12 above. Each member of the Board of Directors shall hold office until the election and qualification of his or her successor, unless such a member is removed or otherwise vacates in accordance with these Bylaws. At any meeting at which one or more members of the Board of Directors is to be elected, the Owners may, by resolution, adopt specific procedures which are not inconsistent with these Bylaws or the Nonprofit Act for conducting the elections.

Section 4.5 Removal of Members of the Board of Directors. A regular or special meeting of Owners may be called for the purpose of considering the removal of any member of the Board of Directors. The Board of Directors shall designate by resolution or motion the date and time of such regular or special meeting after such meeting is properly set or called in accordance with these Bylaws. Any one (1) or more of the members of the Board of Directors, other than a member appointed by Declarant, may be removed with or without cause by an affirmative vote of sixty-seven percent (67%) of the voting power of the Owners present in person or represented by proxy and eligible to vote. Any member of the Board of Directors whose removal has been proposed shall be given an opportunity to be heard at the meeting. Successors may then and there be elected by a majority of the remaining Board of Directors. If the entire Board of Directors is removed at once, an election by the Owners present in person or represented by proxy and eligible to vote to fill the vacancies thus created shall be immediately held at the same meeting.

Section 4.6 Vacancies.

(a) During Period of Declarant Control. During the Period of Declarant Control, if a member of the Board of Directors dies or resigns, Declarant shall appoint a new member of the Board of Directors.

(b) After the Period of Declarant Control. After the Period of Declarant Control, any vacancy occurring in the Board of Directors may be filled by the affirmative vote of a majority of all of the remaining Board of Directors (though the remaining members may be less than a quorum of the Board of Directors). The term of the member of the Board of Directors so elected shall be coincident with the term of the replaced member of the Board of Directors.

Section 4.7 Quorum of the Board of Directors. A majority of the number of members of the Board of Directors fixed from time to time by these Bylaws shall constitute a quorum for the transaction of business. Any act by a majority vote of the Board of Directors in attendance where a quorum is present shall be an act of the Board of Directors.

Section 4.8 Place and Notice of the Board of Directors Meetings. Any regular or special meetings of the Board of Directors may be held at such place within or without the State of Colorado and upon such notice as the Board of Directors may prescribe. Any special meeting of the Board of Directors shall be preceded by at least two days' notice of the date, time and place of the meeting. The Board of Directors shall hold a regular meeting at least once each year and shall, in addition, meet as often as they deem necessary or desirable to perform their duties hereunder. Attendance of a member of the Board of Directors at any meeting shall constitute a waiver of notice of such meeting, except when a member of the Board of Directors attends a meeting for the express purpose of objecting to the transaction of any business because the meeting is not lawfully called or convened. Before, at, or after any meeting of the Board of Directors, any member of the Board of Directors may, in writing, waive notice of such meeting, and such waiver shall be deemed equivalent to the giving of such notice. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the Board of Directors need be specified in the waiver of notice of such meeting. The Board of Directors shall have the right to take any action in the absence of a meeting which they could take at a meeting by obtaining the written approval of all members of the Board of Directors. Any action so approved shall have the same effect as though taken at a meeting of the Board of Directors.

Section 4.9 Powers and Duties. The Board of Directors shall have, subject to the limitations contained in the Declaration and the Act, the powers and duties necessary, desirable, or appropriate for the administration of the affairs of the Association and for the operation and maintenance of the Project, including (but not limited to) the powers and duties stated in the Declaration.

Section 4.10 Managing Agent. The Board of Directors may employ for the Association a Managing Agent at a compensation established by the Board of Directors, to perform such duties and services as the Board of Directors shall authorize; provided, however, that the Board of Directors in delegating such duties shall not be relieved of its responsibility under the Declaration. The Managing Agent shall maintain fidelity insurance coverage or a bond for the benefit of the Association in an amount of not less than fifty thousand dollars (\$50,000.00), or such higher amount as the Board of Directors may require. The Managing Agent shall maintain all funds and accounts of the Association separate from the funds and accounts of other associations managed by the Managing Agent and shall maintain all reserve accounts for the Association separate from the operational accounts of the Association. The Managing Agent shall provide an annual accounting for Association funds and a financial statement, which shall be prepared using generally accepted accounting principles or the cash or tax basis of accounting, to the Association. Any contract that the Board of Directors enters into with a Managing Agent shall provide that the contract is terminable for cause without penalty to the Association and shall be subject to renegotiation from time to time.

Section 4.11 Compensation of the Members of the Board of Directors. Except as provided in this Section 4.11., members of the Board of Directors shall not be paid any compensation for their services performed as members of the Board of Directors unless a resolution authorizing such remuneration shall have been adopted by the members of the Association.

Section 4.12 Board of Directors Meetings. All meetings of the Board of Directors, will be open to the Owners and Designated Representatives, and the Owners and Designated Representatives shall be permitted to attend, listen and speak at an appropriate time as determined by the Board of Directors before the Board votes on an issue under discussion. Owners or Designated Representatives who are not members of the Board of Directors may not participate in any deliberation or discussion unless expressly so authorized by a vote of a majority of a quorum of the Board of Directors. Further, the Board of Directors may place reasonable time restrictions upon those persons speaking during the meeting. If requested, the Board of Directors shall allow a reasonable number of persons to speak on each side of an issue.

Section 4.13 Executive Sessions. Meetings of the Board of Directors may be held in executive session(s), without giving notice and without the requirement that they be open to Owners, in the following situations:

- (a) matters pertaining to employees of the Association or involving the employment, promotion, discipline or dismissal of an officer, agent, or employee of the Association;
- (b) consultation with legal counsel concerning disputes that are the subject of pending or imminent court proceedings or matters that are privileged or confidential between attorney and client;
- (c) investigative proceedings concerning possible or actual criminal misconduct;
- (d) matters subject to specific constitutional, statutory, or judicially imposed requirements protecting particular proceedings or matters from public disclosure;
- (e) any matter the disclosure of which would constitute an unwarranted invasion of individual privacy; and
- (f) review of or discussion relating to any written or oral communications from legal counsel.

Upon the final resolution of any matter for which the Board of Directors received legal advice or that concerned pending or contemplated litigation, the Board of Directors may elect to preserve the attorney-client privilege in any appropriate manner, or it may elect to disclose such information, as it deems appropriate, about such matter in an open meeting.

Section 4.14 Conflict of Interest. If any contract, decision or other action taken by or on behalf of the Board of Directors would financially benefit any member of the Board of Directors or any person who is a parent, grandparent, spouse, child or sibling of a member of the Board of Directors or a parent or spouse of any of those persons, that member of the Board of Directors shall declare a conflict of interest for that issue. The member shall declare the conflict in an open meeting, prior to any discussion or action regarding such issue. After making such declaration, the member shall not vote on the issue with respect to which there is a conflict, but may appoint

another Owner to participate in the discussion and to vote on the issue. Any contract that is entered into in violation of this paragraph shall be void and unenforceable. This paragraph shall not be construed to invalidate any provision of the Declaration, these Bylaws or any other document that more strictly defines conflicts of interest or contains further limits on the participation of members of the Board of Directors who may have conflicts of interest.

ARTICLE 5. OFFICERS AND THEIR DUTIES

Section 5.1 Enumeration of Officers. The officers of the Association shall be a president, vice president, secretary, and treasurer, and such other officers as the Board of Directors may from time to time by resolution create. The president must be a member of the Board of Directors.

Section 5.2 Election of Officers. The election of officers shall take place at the first meeting of the Board of Directors and thereafter at the first meeting of the Board of Directors following each annual meeting of the Owners.

Section 5.3 Term. The officers shall be elected annually by the Board of Directors and each shall hold office for one (1) year unless such officer shall sooner die, resign, or shall be removed or otherwise disqualified to serve.

Section 5.4 Special Appointments. The Board of Directors may elect such other officers as the affairs of the Association may require, each of whom shall hold office for such period, have such authority, and perform such duties as the Board of Directors may from time to time determine.

Section 5.5 Resignation and Removal. Any officer may be removed from office with or without cause by the Board of Directors. Any officer may resign at any time by giving written notice to the Board of Directors, the president, or the secretary. Such resignation shall take effect on the date of receipt of such notice or at any later time specified therein, and unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

Section 5.6 Vacancies. A vacancy in any office may be filled by appointment by the Board of Directors. The officer appointed to such vacancy shall serve for the remainder of the term of the officer he or she replaces.

Section 5.7 Multiple Offices. Any two (2) or more offices may be held by the same person.

Section 5.8 Duties. The duties of the officers are as follows:

(a) President. The president shall preside at all meetings of the Owners and of the Board of Directors; shall see that orders and resolutions of the Board of Directors are carried out; shall sign on behalf of the Association all leases, mortgages, deeds, notes and other written instruments; and shall exercise and discharge such other duties as may be required of the

president by the Board of Directors. In addition, the president shall have all of the general powers and duties that are incident to the office of president of a nonprofit corporation organized under the laws of the State of Colorado, including but not limited to, the power to appoint committees from among the Owners from time to time as the president may decide is appropriate to assist in the conduct of the affairs of the Association. The president may fulfill the role of treasurer in the absence of the treasurer. The president may cause to be prepared and may execute amendments, attested by the secretary, to the Declaration (in accordance with the provisions of the Declaration) and these Bylaws on behalf of the Association, following authorization or approval of the particular amendment as applicable.

(b) Vice President. The vice president shall act in the place and stead of the president in the event of his or her absence, inability, or refusal to act, and shall exercise and discharge such other duties as may be required of the vice president by the Board of Directors.

(c) Secretary. The secretary shall record the votes and keep the minutes of all meetings and proceedings of the Board of Directors and of the Owners; keep the corporate stamp or seal of the Association, if any, and place it on all papers requiring said stamp or seal, if necessary; serve notice of meetings of the Board of Directors and of the Owners; keep appropriate current records showing the Owners and Designated Representatives together with their addresses; and shall perform such other duties as may be required of the secretary by the Board of Directors.

(d) Treasurer. The treasurer shall receive and may endorse on behalf of the Association, for collection only, all checks, notes, and other obligations and shall deposit the same and all monies in appropriate bank accounts of the Association. The treasurer shall disburse such funds as directed by resolution of the Board of Directors; keep proper books of account; at the direction of the Board of Directors, cause an audit of the Association books to be made; and prepare the annual Budget and a statement of income and expenditures to be presented to the Owners at the regular annual meeting of Owners, and deliver a copy of each to the Owners. Except for reserve funds described below, the treasurer may have custody of and shall have the power to endorse for transfer, on behalf of the Association, stock, securities or other investment instruments owned or controlled by the Association or as fiduciary for others. Reserve funds of the Association shall be deposited in such segregated accounts or other investments, as the Board of Directors decides in accordance with the Rules and Regulations. Funds may be withdrawn from these reserves for the purposes for which they were deposited, by check or order, by the Treasurer or another officer provided that the Board of Directors may adopt resolutions imposing limitations on the manner of withdrawal or requiring more than one signatory for certain types of withdrawals.

Section 5.9 Execution of Instruments. All agreements, contracts, deeds, leases, checks, notes and other instruments of the Association may be executed by any person or persons as may be designated by resolution of the Board of Directors, including the Managing Agent. Any officer may prepare, execute, certify and record duly adopted amendments to the Declaration on behalf of the Association. If appropriate, the Managing Agent or any officer of the

Association may file an election under Section 528 of the Internal Revenue Code in any given year for the Association.

ARTICLE 6. INDEMNIFICATION OF MEMBERS OF THE BOARD OF DIRECTORS AND OFFICERS

Section 6.1 Actions Other than by or in the Right of the Association. The Association shall indemnify any Person who was or is a party, or is threatened to be made a party to any pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the Association) by reason of the fact that such Person is or was a member of the Board of Directors or officer, who is or was serving at the request of the Association in such capacity, against expenses (including expert witness fees, attorneys' fees and costs) judgments, fines, amounts paid in settlement actually and reasonably incurred by such Person in connection with such action, suit or proceeding, if such Person acted in good faith and in a manner that he or she reasonably believed to be in the best interests of the Association, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful. Determination of any action, suit or proceeding by judgment, order, settlement or conviction, or upon a plea of nolo contendere or its equivalent, shall not of itself create a presumption that the Person did not act in good faith and in a manner such Person reasonably believed to be in the best interests of the Association and, with respect to any criminal action or proceeding, had reasonable cause to believe his or her conduct was unlawful; provided, however, no indemnification shall be made in respect of any claim, issue or matter as to which such Person has been adjudged to be liable on the basis such Person derived an improper personal benefit unless, and to the extent that, the court in which such action or suit was brought determines upon application that (despite the adjudication of liability), in view of all circumstances of the case, such Person is fairly and reasonably entitled to indemnification for such expenses.

Section 6.2 Actions by or in the Right of the Association. The Association shall indemnify any Person who was or is a party or who is threatened to be made a party to any pending or completed action or suit by or in the right of the Association to procure judgment in its favor by reason of the fact that such Person is or was a member of the Board of Directors or officer or is or was serving at the request of the Association in such capacity, against reasonable expenses incurred by such Person in connection with the defense or settlement of such action or suit if such Person acted in good faith and in a manner that he or she reasonably believed to be in the best interests of the Association; but no indemnification shall be made in respect of any claim, issue or matter as to which such Person has been adjudged to be liable for negligence, recklessness, or willful misconduct in the performance of his or her duty to the Association unless, and to the extent that, the court in which such action or suit was brought determines upon application that (despite the adjudication of liability), in view of all circumstances of the case, such Person is fairly and reasonably entitled to indemnification for such expenses.

Section 6.3 Successful on the Merits. To the extent that a member of the Board of Directors or officer of the Association has been wholly successful on the merits in defense of any

action, suit or proceeding referred to in Section 6.1 or Section 6.2 of this Article 6, or in defense of any claim, issue or matter therein, such Person shall be indemnified against expenses (including expert witness fees, attorneys' fees and costs) actually and reasonably incurred by him or her in connection therewith.

Section 6.4 Determination Required. Any indemnification under Sections 6.1 or 6.2 of this Article 6 (unless ordered by a court) and as distinguished from Section 6.3 of this Article 6, shall be made by the Association only as authorized by the specific case upon a determination that indemnification of such Person is proper in the circumstances, because such Person has met the applicable standard of conduct set forth in Sections 6.1 or 6.2 above. Such determination shall be made by the Board of Directors by majority vote of those members of the Board of Directors who were not parties to such action, suit or proceeding or, if a majority of disinterested members of the Board of Directors so directs, by independent legal counsel or by members entitled to vote thereon. Such determination shall be reasonable, based on substantial evidence of record, and supported by a written opinion. The Board of Directors shall provide a copy of its written opinion to the Person seeking indemnification upon request.

Section 6.5 Payment in Advance of Final Disposition. The Association shall pay for or reimburse the reasonable expenses incurred by a former or current member of the Board of Directors or officer who is a party to a proceeding in advance of final disposition of the proceeding if: a) such Person furnishes to the Association a written affirmation, executed personally or on such Person's behalf, of his or her good faith belief that he or she has met the standard of conduct described in Sections 6.1 or 6.2 of this Article 6; b) such Person furnishes to the Association a written agreement, executed personally or on such Person's behalf, to repay the advance if it is ultimately determined that he or she did not meet the required standard of conduct; and c) a determination is made that the facts then known to those making the determination would not preclude indemnification under this Article. The undertaking required in this paragraph shall be an unlimited general obligation of the Board of Directors but need not be accepted by a particular Board member or officer or may be accepted without reference to financial ability to make repayment.

Section 6.6 No Limitation of Rights. The indemnification provided by this Article 6 shall not be deemed exclusive of nor a limitation upon any other rights to which those indemnified may be entitled under any bylaw, agreement, vote of the members or disinterested members of the Board of Directors, or otherwise, nor by any rights which are granted pursuant to the Act and the Nonprofit Act.

Section 6.7 Directors and Officers Insurance. As and to the extent provided in the Declaration, the Association shall purchase and maintain insurance on behalf of any Person who is or was a member of the Board of Directors or an officer of the Association against any liability asserted against him or her and incurred by such Person in any such capacity or arising out of his or her status as such, whether or not the Association would have the power to indemnify such Person against such liability under provisions of this Article.

ARTICLE 7. BYLAWS

Section 7.1 Amendments. These Bylaws may be amended by (i) a vote of a majority of a quorum of the Board of Directors at a regular or special meeting of the Board of Directors, or (ii) at any regular meeting of the Owners or at any special meeting called for the purpose of amending the Bylaws, by the affirmative vote of a majority of a quorum of Owners present at the meeting in person or represented by proxy and eligible to vote. Any amendment shall be binding upon every Owner. Any provision of these Bylaws adopted at a regular or special meeting of the Owners may thereafter only be amended at a regular or special meeting of the Owners. Notwithstanding the above, neither the Board nor the Owners shall have any power to amend the Bylaws in such a manner as to materially change the effect of the express provisions of the Declaration unless any standard for an amendment of such provisions in the Declaration is satisfied. No amendment shall serve to shorten the term of any member of the Board of Directors, or conflict with the Nonprofit Act or the Act or delete any provision which must be contained in these Bylaws under the terms of the Nonprofit Act or the Act, or conflict with the Articles of Incorporation of the Association.

Section 7.2 Compliance with the Act. These Bylaws are intended to comply with the requirements of the Act and the Nonprofit Act. If any of these Bylaws conflict with the provisions of the Act or the Nonprofit Act, the provisions of the Act or the Nonprofit Act, as applicable, will govern the Association.

Section 7.3 Conflict between Documents. In the case of any conflict between or among the Governing Documents, the Declaration controls over the Articles of Incorporation, these Bylaws and the Rules and Regulations. The Articles of Incorporation control over these Bylaws and the Rules and Regulations. These Bylaws control over the Rules and Regulations.

ARTICLE 8. COMMITTEES

The Board of Directors may appoint such committees as deemed appropriate which, to the extent provided for in the resolution appointing the committee and allowed by law, shall have the powers of the Board of Directors in the management and affairs and business of the Association, as described in the Declaration.

ARTICLE 9. INFORMATION, BOOKS AND RECORDS

Section 9.1 Statement of Unpaid Assessments. The Association shall provide statements of unpaid assessments in accordance with Section 33-33.3-316 of the Act, as described in the Declaration. The treasurer, a Managing Agent employed by the Association or, in their absence, any officer having access to the books and records of the Association may prepare, certify, and execute such statements. The amount of any fee for preparing such statements of unpaid Assessments and the time of payment shall be set forth in the Rules and Regulations. Any such fee that is not paid when due may be assessed as a default Assessment against the Unit for which the certificate or statement is furnished.

Section 9.2 Owner Education. The Association or a Managing Agent employed by the Association shall provide to the Owners, at least one time per year, free of charge, education regarding the general operations of the Association as well as the rights and responsibilities of Owners, the Association and the Board of Directors under Colorado law.

Section 9.3 Disclosure of Basic Information. The Association or its Managing Agent shall provide to the Owners, at least one time per year, a written notice stating: (a) the name of the Association; (b) the name of the Project; (c) the initial date of recording for the Declaration and its reception number or book and page; (d) the name of the Association's Managing Agent, if any; and (e) a valid physical address and telephone number for both the Association and the Managing Agent.

Section 9.4 Turnover of Declarant Control - Deliveries from Declarant to Association. Within sixty (60) days after the Owners other than the Declarant elect a majority of the members of the Board of Directors, the Declarant shall deliver to the Association all property of the Owners and of the Association held by or controlled by the Declarant, including without limitation the following items (to the extent they are in Declarant's possession or control):

(a) the original or a certified copy of the recorded Declaration and Map and any amendments thereto, the Articles of Incorporation, the Bylaws, minute books, other books and records, and any Rules and Regulations which may have been promulgated;

(b) an accounting for Association funds and financial statements, commencing on the date the Association first received funds and ending on the date the Period of Declarant Control ends. The financial statements shall be prepared using generally accepted accounting principles or the cash or tax basis of accounting and shall be audited by an independent certified public accountant and shall be accompanied by the accountant's letter, expressing either the opinion that the financial statements present fairly the financial position of the Association in conformity with generally accepted accounting principles or a disclaimer of the accountant's ability to attest to the fairness of the presentation of the financial information in conformity with generally accepted accounting principles and the reasons therefor. The expense of the audit shall not be paid for by or charged to the Association;

(c) the Association funds or control thereof;

(d) all of the Declarant's tangible personal property that has been represented by the Declarant to be the property of the Association or all of the Declarant's tangible personal property that is necessary for, and has been used exclusively in, the operation and enjoyment of the Common Elements, together with an inventory of such property (if any) and the Declarant shall convey all personal property itemized in the inventory to the Association by bill of sale;

(e) a copy, for the non-exclusive use of the Association, of any plans and specifications used in the construction or renovation of the Improvements;

(f) all insurance policies then in force, in which the Owners, the Association or its members of the Board of Directors and officers are named as insured Persons;

(g) copies of any certificates of occupancy that may have been issued with respect to the Improvements;

(h) any permits issued by governmental bodies applicable to the Project and which are currently in force or which were issued within one year prior to the date on which Owners other than the Declarant took control of the Association;

(i) any written warranties of the contractor, subcontractors, suppliers, and manufacturers that are still effective;

(j) a roster of Owners and First Mortgagees and their addresses and telephone numbers, if known, as shown on the Declarant's records;

(k) employment contracts in which the Association is a contracting party; and

(l) any service contract in which the Association is a contracting party or in which the Association or the Owners have any obligation to pay a fee to the Persons performing the services.

Section 9.5 Disclosure of Financial Information To Owners by Association. Within ninety (90) days after the Association assumes control of the Board of Directors from the Declarant and within ninety (90) days following the end of each fiscal year thereafter, the Association or its Managing Agent shall make the following information available to the Owners by: (1) a posting on an internet web page with accompanying notice of the web address via first class mail or electronic mail; (2) the maintenance of a literature table or binder at the Association's principal place of business; or (3) mail or personal delivery:

(a) the date on which the fiscal year for the Association commences;

(b) the Association's Budget for the current fiscal year;

(c) a list, by Unit type, if applicable, of the Association's current Assessments, including both annual and special Assessments;

(d) the Association's annual financial statements, which shall be prepared using generally accepted accounting principles or the cash or tax basis of accounting, including any amounts held in reserve for the fiscal year immediately preceding the current annual disclosure;

(e) the results of any financial audit or review pursuant to Section 9.6 for the fiscal year immediately preceding the current annual disclosure;

(f) a list of all Association insurance policies which states, with respect to each insurance company: names, policy limits, policy deductibles, additional named insureds and expiration dates of policies listed, including but not limited to, property, general liability, director and officer professional liability and fidelity policies;

(g) the Association's Bylaws, Articles, and any Rules and Regulations adopted by the Board of Directors;

(h) the minutes of the meetings of the Board of Directors and of the Owners for the fiscal year immediately preceding the current annual disclosure; and

(i) the Association's responsible governance policies adopted pursuant to Section 38-33.3-209.5 of the Act.

Section 9.6 Audits. The cost of any audit or review shall be a Common Expense, except as provided in Section 9.4(b) regarding the audit provided as part of the turnover of Declarant Control of the Association. At the discretion of the Board of Directors or if required pursuant to the following paragraph, an audit by a certified public accountant utilizing generally accepted auditing standards, or a review using statements on standards for accounting and review services, shall be conducted by an independent and qualified Person selected by the Board of Directors. Such Person selected to conduct a review shall have at least a basic understanding of the principles of accounting pursuant to Section 38-33.3-303(4) of the Act. The audit or review report shall cover the Association's financial statements, which shall be prepared using generally accepted accounting principles or the cash or tax basis of accounting.

An audit shall be required if the Association has annual revenues or expenditures of at least two hundred and fifty thousand dollars (\$250,000.00) and the audit is requested by Owners of at least one-third (1/3) of the Units represented by the Association. A review shall be required only when requested by the Owners of at least one-third (1/3) of the Units represented by the Association. No later than thirty (30) days following completion, copies of any audit or review conducted pursuant to this Section 9.6 shall be made available to any Owner who requests a copy.

Section 9.7 Examination. All records maintained by the Association or the Managing Agent shall be available for examination and copying by any Owner or by any of their duly authorized representatives or requesting Eligible First Mortgagees, at the expense of the Person examining the records, during normal business hours and after reasonable notice or at the next regularly scheduled meeting if such meeting occurs within thirty (30) days after the request for such records. The Board of Directors may impose restrictions on the commercial or any other use of any list of Owners obtained pursuant to this Article 9 that is not directly related to Association business.

Section 9.8 Records. The Association shall keep the following records in written form or another form capable of conversion into written form within a reasonable time:

(a) An account for each Unit, which shall designate the name and address of each Owner, the name and address of each mortgagee who has given notice to the Association that it holds a mortgage on the Unit, the amount of each Assessment, the dates on which each Assessment comes due, the amounts paid on the account and the balance due;

(b) financial records sufficiently detailed to enable the Association to comply with Section 38-33.3-316(8) of the Act concerning statements of unpaid Assessments;

(c) the Roster (as defined in Section 9.9) in a form that permits preparation of a list of the names and addresses of all Owners and Designated Representatives showing the number of votes to which each Owner is entitled;

(d) The current operating Budget;

(e) A record of insurance coverage provided for the benefit of Owners and the Association;

(f) Tax returns for state and federal income taxation;

(g) Minutes of proceedings of all meetings of the Owners, Board of Directors and its committees, records of all actions taken by the Owners or Board of Directors by written ballot or written consent in lieu of a meeting, records of all actions taken by committees of the Board of Directors and a record of all waivers of notices of meetings of the Owners, the Board of Directors or any committee of the Board of Directors;

(h) A copy of the most current versions of the Articles of Incorporation, Declaration, these Bylaws, Rules and Regulations, and resolutions of the Board of Directors, along with their exhibits and schedules, any covenants, the minutes of all meetings of the Owners and records of all action taken by Owners without a meeting for the past three (3) years, all written communications within the past three (3) years to Owners generally as Owners, a list of the names and business or home addresses of the current members of the Board of Directors and of the officers, the Association's most recent annual report, if any, and all financial audits and reviews conducted pursuant to Section 38-33.3-303(4)(b) of the Act during the immediately preceding three (3) years;

(i) Such records as may be necessary to comply with the requirements of Section 303(9) of the Act; and

(j) Such other records as the Board of Directors may determine from time to time are necessary or desirable. In the event that the Act is amended to alter the records requirements currently set forth in this Section, these Bylaws may be modified accordingly by the Board.

Section 9.9 Roster. The Association shall annually compile a roster of the name and address of each of the Owners and Designated Representatives and the number of votes that each Unit is entitled to (the "**Roster**"). The Association shall provide a copy of the Roster to any

Owner upon receipt of a written request from such Owner; provided that the names and addresses of other Owners on the Roster shall only be provided if the written request (i) states the reason for the request; and (ii) the requesting Owner executes and delivers to the Association, a confidentiality agreement and affidavit (“**Confidentiality Agreement**”), in a form reasonably acceptable to the Association, stating that the names and addresses in the Roster will be used only for purposes reasonably related to the Owners’ interest in the Association. Each Owner who requests and receives a copy of the Roster thereby agrees that he or she will not make any commercial use of the Roster, will not use the Roster to solicit money or property unless such money or property will be used solely to solicit the votes of the Owners in an election to be held by the Association and will not distribute a copy of the Roster or any portion thereof to any third party.

ARTICLE 10. CORPORATE SEAL

The Association may have a seal or stamp in circular form having within its form the words: “Solstice Townhome Owners Association.”

ARTICLE 11. FISCAL YEAR

The fiscal year of the Association shall begin on the first day of January and end on the 31st day of December of every year, except that the first fiscal year shall begin on the date of incorporation. The Board of Directors may by amendment to the Bylaws establish a different fiscal year for the Association.

ARTICLE 12. RULES AND REGULATIONS

The Board of Directors shall have the right to establish, amend, and enforce, from time to time, such Rules and Regulations as the Board of Directors may deem necessary and appropriate for the management, preservation, safety, control, and orderly operation of the Project for the benefit of all Owners and Occupants, and for facilitating the greatest and most convenient availability and use of the Units and Common Elements by Owners and Occupants. Such Rules and Regulations may include (without limitation) a system of late charges and/or interest for untimely payment of Assessments, fees for review by the Association of matters required under the Declaration, and fees and fines for noncompliance with the Rules and Regulations and other obligations set forth in the Declaration and these Bylaws. The Board of Directors shall provide notice of the adoption or amendment of any Rules and Regulations and make such amended Rules and Regulations available for inspection by all Owners, Occupants, contract purchasers and Eligible First Mortgagees during convenient weekday business hours at the principal office of the Association. Such Rules and Regulations may, to the extent not in conflict with the provisions of the Declaration, the Articles of Incorporation and these Bylaws, impose reasonable restrictions upon the use and occupancy of any portion of the Project as the Board of Directors, in its sole and absolute discretion, deems necessary and appropriate. Each Owner agrees that all such Owners’ ownership rights shall be in all respects subject to the Rules and Regulations, and each Owner agrees to obey such Rules and Regulations as the same may lawfully be amended

from time to time, and to ensure that the same are faithfully observed by Occupants of such Owners' Unit. Each Person who comes within the Project shall be subject to the Rules and Regulations for the duration of his presence therein. A copy of the Rules and Regulations, as amended from time to time, shall be made available to Owners, Occupants and contract purchasers upon request and payment of a reasonable fee.

ARTICLE 13. MEMBERSHIP RIGHTS AND PRIVILEGES

Section 13.1 Rights and Privileges of Members. No member shall have the right, without the prior approval of the Board of Directors, to exercise any of the powers or to perform any of the acts delegated to the Board of Directors by these Bylaws or the Declaration. Each member shall have all of the rights and privileges, including but not limited to property rights and easement rights of access over and use and enjoyment of the Common Elements, granted to the members by the Declaration, subject to such limitations as may be imposed in accordance therewith.

Section 13.2 Suspension of Rights. The Association shall have the right to suspend the rights and privileges of an Owner as a member of the Association for the period during which any Assessment owed by such Owner remains unpaid and delinquent, all as further described in the Declaration.

ARTICLE 14. INTERPRETATION

The provisions of these Bylaws shall be liberally construed to effect the purpose of ensuring that the Project shall at all times be operated and maintained in a manner so as to optimize and maximize its enjoyment and utilization by each Owner and Occupant.

IN WITNESS WHEREOF, Declarant has executed these Bylaws Declaration the day and year first above written.

DECLARANT

Cardiff 96, LLC, a Colorado limited liability company

By:_____

Print Name:_____

Its:_____

STATE OF COLORADO)
)ss
County of Garfield)

Acknowledged, subscribed and sworn to me before me this ____ day of _____, 2018 by _____, as _____ of Cardiff 96, LLC, a Colorado limited liability company, Declarant.

WITNESS my hand and official seal.

My Commission expires:_____.

Notary Public

SOLSTICE TOWNHOME OWNERS ASSOCIATION
POLICIES AND PROCEDURES
[draft September 5, 2018]

The Colorado Common Interest Ownership Act (CCIOA), C.R.S. § 38-33.3-209.5, requires that associations adopt certain policies, procedures, and rules and regulations concerning the following:

- (I) Collection of Unpaid Assessments;
- (II) Handling of Conflicts of Interest involving Board Members;
- (III) Conduct of Meetings;
- (IV) Enforcement of Covenants and Rules, including Notice and Hearing Procedures and the Schedule of Fines;
- (V) Inspection and Copying of Association Records by Unit Owners;
- (VI) Investment of Reserve Funds;
- (VII) Procedures for the Adoption and Amendment of Policies, Procedures, and Rules;
- (VIII) Procedures for Addressing Disputes arising between the Association and Unit Owners; and
- (IX) Reserve Requirements.

WHEREAS, the following policies and procedures have been duly adopted by the Solstice Townhome Owners Association (the “Association”).

I. Collection of Unpaid Assessments

A. *Due Dates.* The annual assessment as determined by the Association and as allowed for in the Declaration shall be due and payable in twelve (12) monthly installments due on the first day of each month. Assessments or other charges not paid to the Association by the 10th day of the month in which they are due shall be considered past due and delinquent.

B. *Invoices.* The Association may, but shall not be required to invoice an Owner as a condition to an Owner's obligation to pay assessments or other charges of the Association. If the Association provides an Owner with an invoice for monthly installments of the annual assessments, although invoices are not required, the invoice should be mailed or sent to the owner between the 15th and 20th day of the month preceding each due date.

C. *Late Charges Imposed on Delinquent Installments.* A quarterly installment of the annual assessment shall be past due and delinquent if not paid by the 10th day of the month in which it is due. The Association shall impose a twenty dollar (\$20.00) late charge on the outstanding or past due balance then due the Association. An additional twenty-dollar (\$20.00) late charge shall accrue during each and every subsequent monthly period that the assessment remains unpaid.

D. *Interest.* Delinquent assessments, fines or other charges due the Association shall bear interest at the rate of **twenty-one percent (21%)** per annum from the due date until paid. All late charges and interest charges shall be due and payable immediately, without notice, in the manner provided for payment of assessments.

E. *Return Check Charges.* In addition to any and all charges imposed under the Declaration and the Rules and Regulations of the Association, a fee of \$20.00 shall be assessed against an Owner in the event any check or other instrument attributable to or payable for the benefit of such Owner is not honored by the bank or is returned by the bank for any reason whatsoever, including but not limited to insufficient funds. Such return check charge shall be considered an assessment due and payable immediately, upon demand. Notwithstanding this provision, the Association shall be entitled to all additional remedies as may be provided by applicable law. Returned check charges shall be effective on any payment of sums due under the Declaration and Rules and Regulations. If two or more of an Owner's checks are returned unpaid by the bank within any (fiscal) year, the Association may require that all of the Owner's future payments, for a period of one (1) year, be made by certified check or money order. This return check charge shall be in addition to any late fees or interest incurred by an Owner. Any returned check shall cause an account to be past due if full payment of the quarterly installment of the annual assessment is not timely made within 10 days of the due date.

F. *Attorney's Fees on Delinquent Accounts.* As an additional expense permitted under the Declaration, Articles and Bylaws, the Association shall be entitled to recover its reasonable attorney's fees incurred in the collection of assessments or other charges due the Association from a delinquent owner.

G. *Notice of Delinquency.* Within **forty-five (45)** days of the Due Date, the Association shall issue a courtesy notice (the "Notice of Delinquency") reminding such Owner the Due Date has passed and the account is late, and an interest charge of no more than twelve percent (**21%**) of the Assessment is then due, which the Association is authorized and directed to charge to and collect from any delinquent owner on behalf of the Association. The Notice of Delinquency sent by the Association to the delinquent owner shall also state:

1. The total amount due, with an accounting of how the total was determined;
2. Whether the opportunity to enter into a payment plan exists pursuant to C.R.S. § 38-33.3-316.3 and instructions for contacting the Association to enter into such a payment plan;
3. The name and contact information for the individual the Owner may contact to request a copy of the Owner's ledger in order to verify the amount of the debt; and

4. That action is required to cure the delinquency and that failure to do so within thirty (30) days may result in the Owner's delinquency account being turned over to the Association's attorneys, a lawsuit being filed against the Owner, the filing and foreclosure of a lien against the Owner's property, or other remedies available under Colorado law.

H. *Circumstances and Terms of Payment Plan.* Unless the Owner does not occupy the Unit and has acquired the Unit as a result of (a) a default of a security interest encumbering the Unit or (b) foreclosure of the Association's Lien, the Association shall make a good-faith effort to coordinate with the Owner to set up a payment plan. However, in the event the Association and the Owner have previously entered into a payment plan, the Association is under no obligation to negotiate another payment plan. Any payment plan must permit the Owner to pay off the deficiency in equal installments over a period of at least six (6) months. The Owner shall sign a document describing the payment plan and the effective date of the first payment. In the event an Owner fails to comply with the terms of his or her payment plan, the Association may immediately begin pursuing legal action against such Owner. An Owner's failure to remit payment of an agreed-upon installment, or to remain current with the regular Assessments as they come due during the six-month period, constitutes a failure to comply with the terms of his or her payment plan.

I. *Use of Certified Mail/Regular Mail.* In the event the Association shall cause a collection letter or notices to be sent to a delinquent Owner by regular mail, the Association may also cause, but shall not be required to send, an additional copy of that letter or notice by certified mail.

J. *Liens.* The Association may file a Notice of Lien against the property of any delinquent Owner in accordance with the terms and provisions of the Declarations, Articles and Bylaws.

K. *Referral of Delinquent Accounts to Attorneys.* The Association may, but shall not be required to refer delinquent accounts to its attorneys for collection. Upon referral to the attorneys, the attorneys shall take all appropriate action to collect the accounts referred. The Owner(s) of the Unit with the delinquent account shall be responsible for, and pay as an assessment on such Unit, any attorney's fees incurred in this instance.

L. *Referral of Delinquent Accounts to Collection Agencies.* The Association may, but shall not be required to refer delinquent accounts to one or more collection agencies for collection. Upon referral to a collection agency, the agency shall take all appropriate action to collect the accounts referred.

M. *Application of Payments.* All payments received on account of any Owner or the Owner's property (hereinafter collectively "Owner"), shall be applied to payment of any and all legal fees and costs (including attorney fees), expenses of enforcement and collection, late charges, returned check charges, lien fees, and other costs owing or incurred with respect to such

Owner pursuant to the Declaration and Rules and Regulations, prior to application of the payment to any special or regular assessments due or to become due with respect to such Owner.

N. *Ongoing Evaluation*. Nothing in this procedure shall require the Association to take specific actions other than to notify Owners of the adoption of these procedures. The Association has the option and right to continue to evaluate each delinquency on a case by case basis.

II. Board Members' Conflicts of Interest

A. DEFINITIONS

(1) "Conflicting interest transaction" means a contract, transaction, or other financial relationship between the Association and a Director, or between the Association and a party related to a Director, or between the Association and an entity in which a Director of the Association is a director or officer or has a financial interest.

(2) "Director" or "Board Member" means a member of the Association's Executive Board.

(3) "Party related to a Director" means a spouse, a descendant, an ancestor, a sibling, the spouse or descendant of a sibling, an estate or trust in which the Director or a party related to a Director has a beneficial interest, or an entity in which a party related to a Director is a director or officer or has a financial interest.

B. POLICY

(1) Loans. No loans shall be made by the Association to its Directors or officers. Any Director or officer who assents to or participates in the making of any such loan shall be liable to the Association for the amount of the loan until it is repaid.

(2) If any contract, decision, or other action taken by or on behalf of the Board would financially benefit any Director or Party related to a Director, then, in advance of entering into that contract, making the decision or taking the action, that interested Board Member shall declare at an open meeting of the Board, that a conflict of interest exists and shall describe in detail all of the particular facts of the conflict of interest.

(3) After the interested Board Member makes such a declaration, the interested Board Member may participate in a discussion of the matter giving rise to the conflict of interest. However, the interested Board member may not vote on the issue giving rise to the conflict of interest.

(4) Interested Directors may be counted in determining the presence of a quorum at a meeting of the Executive Board or of a committee that authorizes, approves or ratifies the conflicting interest transaction.

(5) The conflicting interest transaction may not be void or voidable by an Owner or the Association if:

i. The facts about the conflicting interest transaction are disclosed to the Board, and a majority of the disinterested Directors, even if less than a quorum, in good faith approves the conflicting interest transaction;

ii. The facts about the conflicting interest transaction are disclosed to the Owners entitled to vote on the matter, and the conflicting interest transaction is authorized in good faith by a vote of the Owners entitled to vote on the matter; or

iii. The conflicting interest transaction is fair to the Association.

III. Conduct of Meetings

A. *Member Meetings.* All meetings of the Association are open to every Member, or to any person designated by a Member in writing as the Member's representative, and Members or designated representatives so desiring shall be permitted to attend, listen, and speak at an appropriate time during the deliberations and proceedings.

B. *Executive Board Meetings.* All meetings of the Executive Board are open to every Member, or to any person designated by a Member in writing as the Member's representative. At an appropriate time determined by the Board, but before the Board votes on an issue under discussion, Members or their designated representatives shall be permitted to speak regarding the issue. The Board may place reasonable time restrictions on persons speaking during the meeting, to allow sufficient time for as many members as possible to comment within the time permitted. Unless otherwise determined by the President or acting chair, the time limit will be three minutes per member. Members will only be allowed to speak more than once at the discretion of the Board. If more than one person desires to address an issue and there are opposing views on that issue, the Board shall provide for a reasonable number of persons to speak on each side of the issue.

C. *Executive Session of Board.* Notwithstanding the foregoing, the Board or a committee thereof may hold an executive or closed door session and may restrict attendance to Board Members and other persons specified by the Board; provided that any such executive or closed door session may only be held in accordance with the provisions and requirements of CCIOA, as amended from time to time, or other applicable law. Matters for discussion by an executive or closed session are limited to:

(1) Matters pertaining to employees of the association or the managing agent's contract or involving the employment, promotion, discipline, or dismissal of an officer, agent, or employee of the association;

(2) Consultation with legal counsel concerning disputes that are the subject of pending or imminent court proceedings or matters that are privileged or confidential between attorney and client;

- (3) Investigative proceedings concerning possible or actual criminal misconduct;
- (4) Matters subject to specific constitutional, statutory, or judicially imposed requirements protecting particular proceedings or matters from public disclosure;
- (5) Any matter the disclosure of which would constitute an unwarranted invasion of individual privacy;
- (6) Review of or discussion relating to any written or oral communication from legal counsel.

Prior to the time the members of the Board convene in executive session, the President or acting chair shall announce the general matter of discussion as enumerated in paragraphs (1) to (6) above. No rule or regulation of the Board shall be adopted during an executive session.

D. *Recording of Meetings.* Note taking is permitted, however, video or audio recording of all or any portion of any meeting by Members is prohibited.

E. *Member Conduct.* No Member is entitled to speak until recognized by the chair. There shall be no interruption of anyone who has been recognized by the chair, except by the chair. Specific time limits set for speakers shall be strictly observed. Personal attacks, whether physical or verbal, and offensive language will not be tolerated. All comments are to be directed to the chair and not other individual participants. All comments are to be restricted to the agenda item being discussed.

F. *Curtailment of Member Conduct.* Should the President or acting chair determine that any Member has spoken for the allocated amount of time or longer, or determine that the Member is in violation of the provisions of this policy, the President or acting chair shall have the authority to instruct that member to yield the floor, and that member will be obligated to comply with the President's or acting chair's instruction.

IV. Enforcement of Covenants and Rules

A. *Initial Warning Letter.* If the Board finds an Owner has committed a violation of any provisions of the Declaration, Bylaws or Rules, an initial warning letter shall be sent to the violator explaining the nature of the violation. The violator will be given a reasonable amount of time to comply based on the nature and severity of the violation, as determined in the sole discretion of the Executive Board.

B. *Notice of Violation.* Subsequent to the initial warning letter, should the Owner not cure the violation to the satisfaction of the Board, a Notice of Violation of any provisions of the Declaration, Bylaws or Rules shall be provided to the applicable Owner. The notice shall describe the nature of the violation, the fine and notice of the opportunity for a hearing and shall

further state that the Board may seek to protect its rights as they are specified in the governing legal documents.

C. *Services of Notices.* Service of all notices required or permitted to be given hereunder shall be made as follows:

If to an Owner: By personal delivery to the Owner; or by U.S. Mail, postage prepaid, addressed to the last registered address of the Owner as contained in the Association's records.

If to the Association: By personal delivery or U.S. Mail, postage prepaid, addressed to the Association in care of its registered agent and office, as maintained with the Colorado Secretary of State or such other address as the parties may be advised of in writing.

Any notice personally delivered shall be deemed received on the date of delivery, and any notice mailed shall be deemed received on the fifth day following the date of mailing.

D. *Fines.* Any infraction of any covenant, rule or regulation in which a fine is not already specifically stated will result in a fine per day and/or occurrence according to the following schedule:

First violation:	Warning letter
Second violation	
(of same covenant or rule):	\$100.00
Third violation	
(of same covenant or rule):	\$500.00
Fourth and subsequent violations	
(of same covenant or rule):	\$1,000.00

OR a monthly fine to be imposed at the discretion of the Board if the nature of the violation is continuous.

Third and subsequent covenant violations may be turned over to the Association's attorney to take appropriate legal action.

After the violation has been cured by the Owner to the satisfaction of the Board, the per day fine will cease to accrue and remaining any unpaid balance, will be subject to a one and one-half (1 ½ %) monthly finance charge and may begin the date the charges are imposed.

E. *Request for Hearing.* In the event any Owner desires to attend a hearing or Board meeting to challenge or contest any alleged violation and possible fine, said Owner must, within 14 days from receipt of the Notice of Violation, request such hearing by notifying the Association, in writing, of such hearing request. In the event a proper and timely request for a hearing is not made as provided herein, the right to a hearing shall be deemed forever waived. If a hearing is not requested within the aforementioned 14-day period, the Board shall determine if

there was a violation, and if so, may continue to assess a reasonable fine within the guidelines contained in these Rules, all within 60 days of the expiration of the aforementioned 14-day period. The fine assessment is due and payable immediately upon receipt of notice of the said assessment. The Association's managing agent shall give notice of said assessment to the applicable Owner as provided in these Policies and Procedures. In requesting a hearing before the Association, an Owner shall state and describe the grounds and basis for challenging or denying the alleged violation as well as such other information the Owner deems pertinent.

F. *Discovery.* Upon written request to the Association, not later than ten days prior to the date of hearing, the Owner shall be entitled to: (a) obtain the names and addresses of witnesses, to the extent known to the Association, and (b) inspect and make copies of any statements, writings and investigative reports relative to the case contained in the Association's records. Nothing in this section shall, however, authorize the inspection or copying of any writing or other thing which is privileged from disclosure by law or otherwise made confidential or protected, such as attorney work product.

G. *Board to Conduct Hearing.* The Board shall hear and decide cases set for hearing pursuant to these Policies and Procedures. The Board may appoint an officer or other Owner to act as the presiding officer (the "Presiding Officer") at any of the hearings.

H. *Conflicts.* It shall be incumbent upon each Board member to make a determination as to whether s/he is able to function in a disinterested and objective manner in consideration on each hearing before the Board. Any Board member incapable of objective and disinterested consideration on any hearing before the Association shall disclose such to the President of the Association prior to the hearing on the case, if possible, or, if advance notice is not possible, then such disclosure shall be made at the hearing, and said Board member shall be disqualified from all proceedings with regard to the hearing. If disqualification of any Board member(s) results in an even number of remaining Board members eligible to hear a case, the Presiding Officer shall appoint an Association member, in good standing, to serve as a voting member of the hearing board.

I. *Hearing.* Each hearing shall be held at the scheduled time, place and date, provided that the Presiding Officer may grant continuances for good cause. At the beginning of each hearing, the Presiding Officer shall explain the rules, procedures and guidelines by which the hearing shall be conducted and shall introduce the case before the Board by Reading the notice of hearing. The general procedure for hearing shall consist of opening statements by each party; presentation of testimony and evidence, including cross-examination of witnesses by each party; and closing statements by each party. Notwithstanding the foregoing, the Board may exercise its discretion as to the specific manner in which a hearing shall be conducted and shall be authorized to question witnesses, review evidence and take such other reasonable action during the course of the hearing which it may deem appropriate or desirable to permit the Board to reach a just decision in the case. Rules of law regarding trials and presentation of evidence and witnesses shall be applicable to the hearing insofar as the Presiding Officer deems adherence to such rules of law to be in the interests of justice; provided that any relevant evidence should be admitted if

it is the sort of evidence on which responsible persons are accustomed to rely in the course of serious affairs. The decision of the Board at each hearing shall be based on the matters set forth in the notice of hearing, request for hearing and such evidence as may be presented at the hearing. Unless otherwise determined by the Board of Directors, all hearings shall be open to attendance by all members of the Association.

J. *Decision.* After all testimony and other evidence have been presented to the Board at a hearing, the Board shall render its decision thereon within ten (10) days after the hearing. A decision, either a finding for or against the Owner, shall be by a majority of the Board. The Board shall issue written findings of fact and conclusions, and, if applicable, shall impose a reasonable fine as provided in the Association's Rules. The Board may also issue and present for recording with the Clerk and Recorder of Eagle County, Colorado, a notice of finding of violation. Upon satisfactory compliance with the Association's governing documents, the notice may be released by the Association issuing and recording a release of notice of findings of violations.

K. *Enforcement and Attorney's Fees.* In accordance with the Declaration, Bylaws and Rules, it is hereby declared to be the intention of the Association to enforce the provisions by of the Documents by any and all means available to the Association at law or in equity, and to seek recovery and reimbursement of all attorney's fees, Association expenses and costs incurred by the Association in connection therewith.

V. Inspection and Copying of Records

The Association will maintain, retain and produce Association records in accordance with the procedures and requirements set forth in the Colorado Not-for-Profit Corporation Act, Colorado Common Ownership Interest Act and Association's governing documents, including the declaration, articles of incorporation, bylaws and this policy. The following policy (the "Policy") conforms with C.R.S. §§ 38-33.3-209.4, 209.5 and 317, and shall apply to the inspection and copying of the Association's records:

1. All Association records must be maintained in a form that allows conversion into written form in a reasonable time.
2. The following records **will be maintained** at the Association's principal office and shall be considered the sole records of the Association for purposes of document retention and production to owners:
 - a. Detailed records or receipts and expenditures affecting the operation and administration of the Association;
 - b. Records of claims for construction defects and amounts received pursuant to settlement of those claims;

- c. Minutes of all meetings of the owners and the Board, a record of all actions taken by the owners and the Board without a meeting, and a record of all actions taken by any committee of the Board;
- d. Written communications among, and votes cast by the Board that are: (i) directly related to an action taken by the Board without a meeting pursuant to C.R.S. § 7-128-202; or (ii) directly related to an action taken by the Board without a meeting pursuant to the Association's bylaws;
- e. The names of owners in a form that permits preparation of a list of names of all owners and the physical mailing addresses at which the Association communicates with them, showing the number of votes each owner is entitled to vote;
- f. The Association's current declaration, covenants, bylaws, articles of incorporation, rules and regulations, responsible governance policies adopted pursuant to C.R.S. § 38-33.3-209.5, and other policies adopted by the Board;
- g. Financial statements as described as in C.R.S. § 7-136-106 for the past three years and tax returns of the Association for the past seven years, to the extent available;
- h. A list of the names, email addresses and physical mailing addresses of the current Board members and officers;
- i. The Association's most recent annual report (if any) delivered to the Secretary of State;
- j. Financial records sufficiently detailed to enable the Association to comply with C.R.S. § 38-33.3-316(8) concerning statements of unpaid assessments, to be sent by certified mail, return receipt requested, so they are received by the requesting party within fourteen days of the Association's receipt of request;
- k. The Association's most current reserve study (if any);
- l. Current written contracts to which the Association is a party and contracts for work performed for the Association within the immediately preceding two years;
- m. Records of Board or Committee actions to approve or deny any requests for design or architectural approval from owners;
- n. Ballots, proxies and other records related to voting by owners for one year after the election, action or vote to which they relate;

- o. Resolutions adopted by its Board relating to the characteristics, qualifications, limitations, and obligations of members of any class or category of members; and
 - p. All written communications within the past three years to all owners generally as owners.
- 3. An owner or owner's authorized agent may inspect and copy Association records during normal business hours if the owner or authorized agent has submitted a written request, describing with reasonable particularity the records sought, at least ten days prior to the inspection or production of documents. The Association's "Request to Inspect Records" form is attached to and made a part of this Policy. The Association may not condition the production of records upon the statement of a proper purpose.
- 4. Notwithstanding Paragraph 3 above, a membership list or any part thereof may not be obtained or used by any person for any purpose unrelated to an owner's interest as an owner without the consent of the Board. Without limiting the generality of this Paragraph 4, without the consent of the Board, a membership list or any part thereof may not be:
 - a. Used to solicit money or property unless such money or property will be used solely to solicit the votes of owners in an election to be held by the Association;
 - b. Used for any commercial purpose; or
 - c. Sold to or purchased by any person.
- 5. Records maintained by the Association **may be withheld** from inspection and copying to the extent that they are or concern:
 - a. Architectural drawings, plans, and designs, unless released upon the written consent of the legal owners of the drawings, plans, or designs;
 - b. Contracts, leases, bids or records related to transactions to purchase or provide goods or services that are currently in or under negotiations;
 - c. Communications with legal counsel that are otherwise protected by attorney-client privilege or the attorney work product doctrine;
 - d. Disclosure of information in violation of law;

- e. Records of an executive session of the Board; or
 - f. Records relating to or concerning individual units other than those of the requesting owner.
6. Records maintained by the Association are not subject to inspection and copying, and **must be withheld**, to the extent that they are or concern:
- a. Personnel, salary, or medical records relating to specific individuals; and
 - b. Personal identification and account information of members, including bank account information, telephone numbers, email addresses, driver's license numbers, and social security numbers.
7. The Association will impose a reasonable charge, which may be collected in advance and will cover costs of labor and material, for copies of Association records. The charge may not exceed the estimated cost of production and reproduction of the records.
8. A right to copy records under this Policy includes the right to receive copies by photocopying or other means, including the receipt of copies through an electronic transmission if available, upon request of an owner.
9. The Association is not obligated to compile or synthesize information.
10. Association records and the information contained within those records shall not be used for commercial purposes.
11. Upon request, the selling unit owner shall either provide to the buyer or authorize the Association to provide to the buyer, upon payment of the Association's usual fee pursuant to Paragraph 7 above, all the common interest community's governing documents and financial documents, as listed in the most recent version of the contract to buy and sell real estate promulgated by the real estate commission as of the date of the contract.
12. Audits or reviews of the books and records of the Association shall be done at the discretion of the Board or upon owner request as follows:
- a. An audit is required only if the Association has annual revenues or expenditures of at least \$250,000 and owners of at least one-third of the units represented by the Association request in writing an audit.
 - b. A review is required only when requested in writing by the owners of at least one-third of the units represented by the Association.

- c. Copies of audits or reviews shall be available on request to any owner within thirty days after completion.
- 13. Within ninety days after the change or any of the following, the Association will give written notice to the owners of the following items by first class mail, personal delivery, a binder at the principal place of business, or posting on the Association's website:
 - a. Name of the Association and the common interest community;
 - b. Name and address of the management company, if any;
 - c. Physical address and phone number for the Association and the designated agent or management company; and
 - d. Date of recording of the Declaration and recording information.
- 14. Within ninety days after the end of each fiscal year, the Association will make the following information available to owners by first class mail, personal delivery, a binder at the principal place of business, or posting on the Association's website:
 - a. Date the Association's fiscal year begins;
 - b. Operating budget for the current year;
 - c. List of current regular and special assessments, by unit type;
 - d. Annual financial statements, including reserves, if any;
 - e. Results of most recent audit or review;
 - f. List of all the Association insurance policies (property, general liability, director and officer liability, fidelity), including companies, policy limits and deductibles, additional insureds, and expiration dates;
 - g. The Association bylaws, articles and rules and regulations;
 - h. Minutes of the Board and member meetings for the prior fiscal year; and
 - i. The Association's "Responsible Governance Policies."

VI. Standard of Care for Directors Investing Reserve Funds.

A. Directors and officers must meet the standards of care outlined in the Colorado Revised Nonprofit Code when investing association reserve funds. The standards require directors and officers to act:

- (1) in good faith;
- (2) with the care an ordinarily prudent person in a like situation would exercise under similar circumstances; and
- (3) in a manner the director or officer reasonably believes to be in the best interest of the association.

B. In discharging their duties, directors and officers may rely on other people on matters that the directors or officers reasonably believe are within that person's professional or expert competence.

VII. Adoption and amendment of policies, procedures, and rules.

The Executive Board may from time to time adopt and amend the policies, procedures and rules and regulations concerning the Community, except the new policy, procedure, rule or amendment shall not amend the terms of the Declaration which may only be amended as provided therein. Such amendments are valid and enforceable against an Owner only if:

- (a) Their purpose is to promote the convenience, safety, or welfare of the Owners;
- (b) They are reasonably related to the purpose for which they are adopted;
- (c) They are not retaliatory or discriminatory in nature;
- (d) They are sufficiently explicit in prohibition, direction, or limitation of the Owner's conduct to fairly inform him of what he must or must not do to comply.

In order to adopt or amend a policy, procedure, or rule and regulation, the Board shall approve the same in accordance with the Bylaws and send notice of the newly-adopted policy, procedure, rule and regulation to the Owners via first class mail or email (if the Owner has provided an email address to the Association). No policy, procedure, or rule and regulation shall be effective until sent to the Owners.

VIII. Alternative Dispute Resolution Policy

The following policy regarding Alternative Dispute Resolution is applicable except in the case of the Association's collection of assessments or enforcement of the covenants, bylaws, or rules and regulations of the Association by the Association:

A. *Meeting with Board.* In the event of any dispute involving the Association and an Owner, it is the intention of the Association to resolve the dispute informally and without the need for litigation. The Owner or the Association shall notify the other in writing of the claim, stating (i) the nature of the Claim, including the date, time, location, persons involved, (ii) the basis of the claim (i.e. the provisions of the Declaration, the Bylaws, the Articles, Rules or Regulations or other authority out of which the claim arises); (iii) what the claimant wants the

other to do or not do to resolve the claim; and (iv) that claimant wishes to resolve the claim by mutual agreement and is willing to meet in person with the other at a mutually agreeable time and place to discuss in good faith ways to resolve the claim.

The parties shall make every reasonable effort to meet either in person or by conference call to resolve the claim by good faith negotiation.

B. *Mediation.* If a meeting is unsuccessful or does not occur, all claims or disputes, except in the case of the collection of assessments, shall be initially submitted to mediation in good faith. The parties shall jointly appoint a mediator and will share equally in the cost of mediation. If a party does not respond within ten (10) days of receipt of a request to mediate or if the parties cannot agree on a mediator within ten (10) days of the request, the mediation requirement shall be deemed fulfilled. If mediation does occur, it shall be completed within thirty (30) days from the date of request.

If mediation is unsuccessful or does not occur, the parties may pursue their claims via the appropriate court or submit the dispute to binding arbitration.

C. *Binding Arbitration.* If the matter cannot be resolved by mediation or otherwise within thirty (30) days of the request for mediation, alternative dispute resolution (ADR) in the form of Binding Arbitration may be pursued if both the Owner and the Association agree.

D. This policy is an agreement of the Association and Owners to mediate and/or arbitrate all claims except the stated exceptions and is specifically enforceable under the applicable arbitration law of the State of Colorado. The arbitration shall be final and binding and judgment may be entered upon it in any court of competent jurisdiction to the fullest extent permitted under the laws of the State of Colorado.

D. *Costs.* If the claims are resolved through negotiation as provided above, each party shall bear all of its own costs incurred in resolving the claim, including its attorney fees, unless the parties otherwise agree. If the claims are not resolved through negotiation and the claim goes to arbitration, the prevailing party shall receive as a part of its award from the opposing party all of its costs, including attorney fees, and any expenses incurred as a result of the dispute resolution procedures of this policy.

E. *Deviations.* The Board may deviate from the procedures set forth in this policy if in its sole discretion such deviation is reasonable under the circumstances.

F. *Amendment.* This policy may be amended from time to time by the Board of Directors.

IX. Reserve Requirements

A. *Funding.* After receipt of any reserve study or any updates thereto, the Board of Directors of the Association shall establish a funding plan or update the funding plan and then

adjust the assessments allocated for the Reserve Fund (as defined herein) to match the requirements identified by the reserve study or update. All assessments placed in the Reserve Fund shall be in accordance with the Association's policy then in effect regarding investment of reserve funds.

B. *Deviations.* The board may deviate from the procedures set forth in this policy if in its sole discretion such deviation is reasonable under the circumstances.

A. *Reserve Studies.* The Association shall arrange for its reserve studies when the Board of Directors determines it is necessary. After the initial reserve study, the Board of Directors shall arrange for an update every five years.

- (a) All reserve studies and updates shall be based on both a physical analysis and a financial analysis of the portions of the Association which are maintained, repaired, replaced and subject to improvement by the Association.
- (b) All reserve studies and updates shall include an inventory, a condition assessment based on a site inspection and contain an estimate of remaining useful life.

B. *Funding.* After receipt of the initial reserve study or any updates thereto, the Board of Directors of the Association shall establish a funding plan or update the funding plan and then adjust the assessments allocated for the Reserve Fund to match the requirements identified by the reserve study or update. All assessments placed in the Reserve Fund shall be in accordance with the Association's policy then in effect regarding investment of reserve funds.

C. *Deviations.* The Board may deviate from the procedures set forth in this policy if, in its sole discretion, it finds such deviation is reasonable under the circumstances.

X. Miscellaneous.

A. Notwithstanding anything herein to the contrary, the Association reserves the right, at any time and from time to time hereafter, to modify, amend, repeal and/or re-enact these Policies and Procedures in accordance with the Declaration, Bylaws and applicable law. The Board or its management company shall send notice of the newly-adopted policy, procedure, rule and regulation to the Owners via first class mail or email (if the Owner has provided an email address to the Association). No policy, procedure, or rule and regulation shall be effective until sent to the Owners.

B. The Board and its management company are empowered to enforce these Policies and Procedures. All Policies and Procedures shall be in effect at all times.

C. Failure by the Association, the Board or any person to enforce any provision of these Policies and Procedures shall in no event be deemed to be a waiver of the right to do so thereafter.

D. The Provisions of these Policies and Procedures shall be deemed to be independent and several, and the invalidity of anyone or more of the provisions hereof, or any portion thereof, by judgment or decree of any court of competent jurisdiction, shall in no way affect the validity or enforceability of the remaining provisions, which provisions shall remain in full force and effect.

E. Unless the context provides or requires to the contrary, the use of the singular herein shall include the plural, the use of the plural shall include the singular and the use of any gender shall include all genders.

F. The captions to the sections are inserted herein only as a matter of convenience and for reference, and are in no way to be construed so as to define, limit or otherwise describe the scope of these policies and procedures or the intent of any provision hereof.

These Policies were adopted this ____ day of _____, _____ by resolution of the Board of Directors of the Solstice Townhome Owners Association, a Colorado nonprofit corporation.

Solstice Townhome Owners Association

By: _____
President

ATTESTED:

By: _____
Secretary

ADDENDUM A

REQUEST TO INSPECT RECORDS

This written request is pursuant to the Policy on Records Inspection of the Solstice Townhome Owners Association.

To: _____
c/o _____ (Management)

Address: _____

Email: _____

Date of this Request: _____, 20__

Date you or your agent intends to inspect the records (Must be at least 10 days after date of request): _____, 20__

Person(s) requesting Inspection of the Association's records: _____

Person(s) who will be present for the review of the Association's records: _____

Please note that all actual costs of inspection and any authorized copies must be paid in advance by the person requesting them.

Specify with particularity the records requested for Inspection. Please include type and date(s) of record, indication of those records for which you request a copy, and any specifics that will identify the information you seek to review. If necessary, use additional sheets.

<u>Record</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

Name: _____
Date: _____
Address: _____
Authorized by: _____

**SOLSTICE TOWNHOME OWNERS ASSOCIATION
CONSTRUCTION RULES & REGULATIONS**

(Adopted Effective _____)

[draft September 5, 2018]

1. Interpretation

These Construction Rules & Regulations ("**Rules**") shall, to the extent possible, be interpreted to comply with the Declaration for Solstice Townhome Owners Association (the "**Declaration**"). In the event of any conflict between the terms of the Declaration and these Rules, the terms of the Declaration shall control.

Unless otherwise defined herein, capitalized terms shall have the meaning ascribed in the Declaration.

These Rules are adopted with the acknowledgement that (i) each Unit Owner has a right to alter the interior of his/her/its Unit and Association approval shall not be unreasonably withheld; (ii) Limited Common Element alterations require Association approval in accordance with the responsibilities of the Board set forth in the Declaration and by law; and (iii) Common Elements may not be modified by any Owner.

2. Approval

a. Owner Requests

Prior to the commencement of any Work relating to a Unit within the Solstice Townhomes (the "Project"), the Owner will submit a written request to the Board of Directors. The written request must include the following:

- a brief description of the scope of the Work
- two (2) copies of a detailed plan illustrating the Work (if a building permit is required, the same plans submitted for such permit will be submitted)
 - one (1) copy shall be 24" x 36"
 - one (1) copy shall be 11" by 17"
 - a .pdf will also be submitted
- the name and contact information for the contractor performing the Work
- timeline for the start and completion of the Work
- waste management plan
- parking plan
- materials staging plan
- sanitary facilities plan
- whether a building permit is required from the applicable government agency
- check for a construction deposit in the amount of \$7,500 to protect Common Elements
- Signature of Owner and general contractor on Acknowledgement in the same form as found at the end of these Rules

b. Board Approval

Upon receipt of an Owner's written request to perform Work, the Board will review the documents submitted and either approve, deny or request a modification. Upon approval or denial of the proposed construction, the Board shall deliver a letter either approving or denying the Work. In the event that the submission is denied, the Board shall outline the reasons for denial. Any letter of approval shall be subject to the rules and conditions as set forth in the Declaration, these and other Rules, and any other rules, regulations, or procedures governing the Association. In the event that the Owner has not received a response from the Board of Directors thirty (30) days after submission of all required materials, the Work shall be deemed approved subject to the rules set forth herein.

3. Rules

All general contractors, subcontractors, suppliers, vendors, etc. ("**Contractors**") shall be immediately advised of the following rules concerning their proper conduct within the Project. **It is the general contractor's responsibility to ensure that their subcontractors read and understand these rules and regulations.** Ignorance of these rules is neither a waiver of liability nor responsibility. Any and all violations will be assessed against the Owner in accordance with these Rules.

The following must be observed by Owners and all Contractors¹:

- a. All Contractors performing Work shall be licensed by the appropriate authority.
- b. A building permit, if needed for the type of work to be done, is required to be submitted to the Board of Directors or the Managing Agent prior to the initiation of any Work.
- c. Proof of insurance for both liability and workman's compensation is required and should be a minimum of at least \$1,000,000.00. A certificate of insurance must be provided to the Board of Directors or the Managing Agent prior to the initiation of any Work naming the Association as an additional insured thereunder.
- d. For the benefit and quiet enjoyment of all owners and guests, construction which requires a building permit or which affects any other guests or owners or involves the use of the Common Areas in any way may not be undertaken during the following dates: The Wednesday before Thanksgiving through the Sunday after Thanksgiving and December 20 through January 7. Board of Directors or its appointed representative may approve variances to this timing as they deem reasonable.
- e. All Work must be completed Mondays through Fridays between the hours of 8:00 a.m. and 5:00 p.m. **No Work is permitted outside of these hours or on Saturdays or**

¹ Failure to comply with any provision herein will subject the Owner to Fines disclosed herein.

Sundays unless an exception is made by the Board of Directors or the Association Managing Agent.

- f. All Common Element and Limited Common Element accessing or comprising a part of the Project must be protected from damage.
- g. Any hard surface flooring must have a sound mitigation system as approved by the Board of Directors or the Managing Agent.
- h. No items of any type can be stored or left outside the Unit. All Work must be completed inside the Unit. No work stations may be set up in hallways, garages areas or common areas except and unless otherwise approved by the Board of Directors in writing.
- i. Access to stairwells may not be blocked at any time.
- j. No construction dumpsters will be approved and none may be left within the common areas from the Sunday before Thanksgiving until January 15. Owners must obtain a permit from the Association's managing agent for dumpsters to be used during permissible construction months. A nominal fee will be paid to the Association for each such permit. Construction debris may not be placed in Association dumpster.
- k. No equipment or materials are to be stored outside of the Unit without the prior written permission of the Board of Directors.
- l. Proper floor, wall, door frame and other protections are expected to be provided and maintained for large deliveries of materials, for entrances to construction areas, and common areas located between the elevator and/or stairwells and construction areas. Construction paths across common areas and/or lobbies must be kept clean at all times and such cleaning is the responsibility of Owner/Contractors. Proper dust control measures must be used and maintained at all times, including installation of pre-filters on air handling units.
- m. Any Work which could affect any utility is the sole responsibility of the Owner in the event of disruption or damage to Owner's Unit or any other Unit or common area.
- n. All flammable, combustible and toxic materials are to be stored in proper containers in accordance with applicable requirements. No gasoline powered devices will be permitted within the Project. All equipment will be electrically operated. All hazardous materials must be removed according to EPA and OSHA guidelines upon completion of the Work.
- o. Parking for workers must be arranged in advance with the Board of Directors and/or Managing Agent. Any vehicles parked without authorization will be towed at Owner's expense.

- p. No parking or other use is allowed in the open garage parking area for contractors, workers or staging without the prior written consent of the Board of Directors or the Managing Agent.
- q. Workers will only use the bathroom in the Unit and not in any common areas or based upon the approved sanitation plan.
- r. Smoking is prohibited in construction areas, common areas and garages.
- s. Contractors and their employees are not permitted to have pets in the Project.
- t. No music, television or radios are allowed.
- u. Supervision of all workers is the sole responsibility of Owner. Job site security is the sole responsibility of the Owner.
- v. No mechanics' liens shall be placed on any Association Common Element. In the event any such lien is placed, the Owner shall immediately have such lien released, at Owner's sole cost and expense. Owner shall further pay any and all Association legal fees associated with protection of the Association in such event.
- w. Any damage caused to any Association Common Element or Limited Common Element as a result of the Project or by the Contractors is the responsibility of the Owner to repair at the Owner's sole cost and expense. Any and all damage shall be repaired or restored to substantially to the same condition as existed prior to damage. The construction deposit will not be returned until all such damage is repaired to the satisfaction of the Association. In the event that the damages are not repaired to the satisfaction of the Association, the Association may use the construction deposit to repair such damages. In the event that the construction deposit does not adequately cover the repairs, the Owner remains responsible to pay the Association for the total costs of repairs.

4. Code Compliance

The Owner, at Owner's sole cost and expense, shall procure all legally required permits relative to the Work and shall, during construction, comply with all applicable legal requirements. The Work shall, once completed, comply with all applicable laws, ordinances, regulations, codes or orders of any state, municipal or other public authority affecting the same and with all requirements of the local fire rating insurance organization, the local fire department and other similar bodies.

5. Fines

Violations of these Rules will result in assessment to the Owner of the following fines (and not the fines as shown in the fine schedule promulgated elsewhere in the Association's governing documents:

- First violation: \$500.00
- Second violation of same or similar nature: \$1,000.00
- Third violation of same or similar nature: \$2,000.00
- Continuing violations: \$2,000.00 per occurrence or per day for ongoing violations.

All fines and penalties contained herein shall have the same force and effect as any assessment levied by the Board in accordance with and pursuant to the Declaration and Rules.

In the event that the Board of Directors or the managing agent has to clean up after Owner or its Contractors, the Owner will be billed the actual hourly rate incurred by the Association for such cleanup in addition to the fines listed above.

The construction deposit will be returned to the Owner once Owner has notified the Board of Directors that the Work is complete and subject to compliance with these Rules by Owner. The Board of Directors may inspect to ensure the Work is complete after such notification. The Board of Directors may deduct any fines or other monies owed under these Rules. In the event that the Owner owes monies in excess of the construction deposit, such amounts will be treated as an assessment lien and collected in accordance with the terms of the Declaration and such other rules and regulations as the Association may have in place.

**ACKNOWLEDGEMENT
OF SOLSTICE TOWNHOME OWNERS ASSOCIATION
CONSTRUCTION RULES & REGULATIONS**

The undersigned hereby acknowledges that he/she/it has read the foregoing Construction Rules and Regulations for Solstice Townhome Owners Association. The undersigned agrees to comply with the Construction Rules and Regulations for Solstice Townhome Owners Association for the Work described below.

Unit No:_____

Owner:_____

Mailing Address:_____

Scope of Work:_____

Contractor:_____

Mailing Address:_____

Phone No.:_____

Fax No.: _____

Email:_____

OWNER:

By:_____

Print Name:_____

Date:_____

CONTRACTOR:

By:_____

Print Name:_____

Date:_____

SOLSTICE TOWNHOME OWNERS ASSOCIATION RULES AND REGULATIONS

Effective _____, 2018

[draft September 5, 2018]

Pursuant to the Declaration for Solstice Townhome Owners Association (“Association”), the Board of Directors (Board) has adopted the following Rules and Regulations to govern the use and enjoyment of the Solstice Townhomes. The Association also refers to all Units plus the Common Elements and Limited Common Elements. The Board desires to ensure the highest possible standards of living experience within the Association. In order to accomplish this, the Board requests the cooperation of all persons residing in or visiting the Solstice Townhomes in the observance of the following:

1. Any common sidewalks, walkways, driveways, entrances, and passageways shall not be obstructed by any Unit Owner for any other purpose than ingress to and egress from the Units.
2. Except as to the area termed Limited Common Elements, no article shall be placed on or in any of the Common Elements except for those articles of personal property which are the common property of all Unit Owners.
3. Unit Owners, members of their families, their guests, residents, tenants or lessees shall not use sidewalks, driveway and entrances as a play area.
4. No vehicle belonging to or under the control of a Unit Owner or member of the family or a guest, tenant, lessee, their guests or families, employee, tradesperson or worker of any type of a Unit Owner shall be parked in such manner as to impede or prevent ready access to any entrance to or exit from a building or another Unit. Vehicles shall be parked within designated parking areas with one vehicle per designated parking space. Any traffic flow markings and signs regulating traffic on the premises shall be strictly observed. Additional parking restrictions are contained within the Declaration.
5. No work of any kind shall be done upon the exterior building, exterior areas or upon the Common Elements or Limited Common Elements by any Unit Owner. Please refer to the Declaration and the current Construction Rules and Regulations.
6. No construction will be permitted the Wednesday before Thanksgiving through the Sunday after Thanksgiving and December 20 through January 7. Construction will be limited Monday through Friday between the hours of 8 am and 5 pm. No construction materials will be stored in the Common Elements without prior Board approval. Additional rules are contained in the Construction Rules and Regulations.
7. Containers for trash must be kept in Units or a Unit garages. Containers may only be placed outside on the day designated by the Association for trash removal. All containers must be taken inside by 7 pm on the day designated for trash removal. In no event shall a trash container remain outside overnight. Any large trash items such as furniture or other large items must be disposed of by Owner’s arrangement with a trash service directly and shall not be left outside.
8. The balconies, terraces, decks or patios shall be used only for the purposes intended and shall not be used for hanging garments or other articles or for cleaning rugs, household articles or other items. No

rugs or other material shall be dusted from windows, balconies, decks or patios by beating or shaking.

9. The following are allowed to be stored on decks and patios, designated as Limited Common Elements, provided they are stored in a neat and orderly manner:
 - a. Patio furniture in good condition and in an amount appropriate to the space.
 - b. One (1) gas cooking grill, in good working order, and not a fire hazard in accordance with the Declaration.

In all cases, the Board of Directors will be the final judge as to the condition of the common areas, in order to ensure a pleasing appearance to the Project. No one shall obstruct damage or commit waste to any of the Common Elements.

10. Pets are limited as identified in the Declaration.
11. The Association assumes no liability for nor shall be liable for any loss or damage to articles left or stored in any common or other storage area.
12. Any damage to the Common Elements or common personal property caused by the Owner, his family, guests, tenants or lessees, their family and guests, shall be repaired at the expense of that Unit Owner.
13. With the consent of an Owner, the Managing Agent, or if there is no Managing Agent, then the Board of Directors, may retain a pass key to each Unit. In the event that the Owner does not so permit retention of a pass key, the Managing Agent, or if there is none, the Board of Directors, its employees and/or agents may make a forcible entry into such Unit when the Managing Agent or Board of Directors believe that an emergency requiring such entry exists. So long as entry is made upon a bona fide belief of emergency, the Owner shall have no recourse for any such forcible entry against Managing Agent or the Board of Directors or the person or persons who actually affect such forcible entry.
14. Nothing shall be done within the complex that would be in violation of any statute, rule, ordinance, regulation, permit, covenant or other validly imposed requirement of any governmental body, including the zoning, subdivision or building restriction.
15. The following are allowed to be stored on decks and patios, designated as Limited Common Elements, provided they are stored in a neat and orderly manner:
 - a. Patio furniture in good condition and in an amount appropriate to the space.
 - b. One (1) gas cooking grill, in good working order, and not a fire hazard.

In all cases, the Board of Directors will be the final judge as to the condition of the common areas, in order to ensure a pleasing appearance to the Project. No one shall obstruct damage or commit waste to any of the Common Elements.

16. Any personal property left in the Common Elements or Limited Common Elements may be presumed abandoned and will be disposed of by the Association at no liability to the Association. The Association shall not be responsible for any loss, due to theft, damage or otherwise, to any personal property stored or otherwise left on any common element, whether allowed or prohibited by the Rules

and Regulations.

17. Owners and occupants shall exercise reasonable care to avoid making or permitting to be made loud, disturbing or objectionable noises and in using or playing or permitting to be used or played musical instruments, radios, phonographs, television sets, amplifiers and any other instruments or devices in such manner as may disturb or tend to disturb owners, tenants or occupants or other Units.
18. No noxious or offensive activity shall be carried on upon any part of the project nor shall anything be done or placed on or in part of the project which is or may become a nuisance or cause embarrassment, disturbance or annoyance to others. No sound shall be emitted on any part of the Project which is unreasonably loud or annoying. No odor shall be emitted on any part of the Project which is noxious or offensive to others. No light shall be emitted from any part of the Project which is unreasonably bright or causes unreasonable glare.
19. No unsightliness shall be permitted on or in any part of the Project. Without limiting the generality of the foregoing, nothing shall be kept or stored on or in any of the Common Elements, nothing shall be hung or placed on any of the Common Elements, and nothing shall be placed on or in windows or doors of units which would or might create an unsightly appearance.
20. Residency restrictions are contained in the Declaration.
21. Signage restrictions are contained in the Declaration.
22. The Board of Directors reserves the power to establish, make and enforce compliance with such additional rules and regulations as may be necessary for the operation, use and occupancy of the Solstice Townhomes with the right to amend the same from time to time.



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Ordinance No. 1, Series of 2019; AN Ordinance of the City of Glenwood Springs, Colorado, Amending the Cardiff Glen Planned Unit Development (PUD) (FIRST READING)

Action Requested: Approve Ordinance No 1, Series of 2019

Department: Economic and Community Development

Presented By: Trent Hyatt, Senior Planner

Background Info: See Planning Item 15-18

Issues: None

Staff Recommendation: Approve Ordinance No 1, Series of 2019

ORDINANCE NO. 1

Series of 2019

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING THE CARDIFF GLEN PLANNED UNIT DEVELOPMENT (PUD).

WHEREAS, on January 21, 1999, the City Council of the City of Glenwood Springs (“Glenwood Springs” or the “City”) approved Ordinance No. 3, Series of 1999, rezoning a 21.75 acre parcel on County Road 116 in the City of Glenwood Springs from R/4 Residential Transitional to a Planned Unit Development known as Cardiff Glen PUD (“Cardiff Glen”);

WHEREAS, Cardiff 96, LLC (the “Applicant”), the owner of Lots 95 and 96 within Cardiff Glen, desires to proceed with residential development of the lots and has requested that the PUD be amended with respect to front/side yard setbacks, road/sidewalk/landscaping width, dwelling unit size and irrigation source; and

WHEREAS, Lots 95 and 96 are zoned R/3 PUD Multi-family Residential and are subject to the applicable zone district standards set forth in Exhibit B to Ordinance No. 3, Series of 1999; and

WHEREAS, Applicant requests reduction of the front and side yard setback from 20 feet to 10 feet along the front and 15 feet along the side, which reduction is consistent with other existing residential structures within Cardiff Glen; and

WHEREAS, Applicant requests the 22 feet curb to curb street width requirement be amended with respect to Ripple Lane to allow Applicant to construct a 4 foot wide concrete sidewalk immediately adjacent to a 20 foot wide road with no landscaping strip; and

WHEREAS, Applicant requests an increase in the maximum dwelling size for three-bedroom units from 1250 square feet to 1800 square feet; and

WHEREAS, the Applicant requests that the requirement for using raw water for irrigation instead of domestic potable water be amended in light of past issues with the source of raw water for the PUD; and

WHEREAS, the Planning and Zoning Commission considered the requested amendment to the PUD at a public hearing on November 27, 2018 and recommended approval of the PUD amendment based on its consideration of the approval criteria set forth in Section 070.060.040(b)(3)f.3. of the Municipal Code and its findings that the amendment is consistent with the City’s comprehensive plan and the purpose of the Municipal Code; the amendment is consistent with the City’s approval criteria for a rezoning as set forth in Section 070.060.040(a)(3)f.3 of the Municipal Code; the intensity of development is not expected to create

significantly adverse impacts to surrounding properties or the neighborhood; the amendment addresses a unique situation, provides substantial benefits to the City, or incorporates innovative design, layout, or configuration resulting in quality over what could have been accomplished through strict application of a base zoning district or other standards of the Municipal Code; upon addressing staff comments made at the public hearing the application will meet all applicable standards of the Code not expressly modified by the PUD application; and the amendment provides residential uses and includes varied types of housing and densities; and

WHEREAS, City Council, following notice required by law, held a public hearing at a regular meeting on January 3, 2019, to consider the PUD amendment, received and considered comments from City staff and the public, and reviewed the documents submitted by the Applicant; and

WHEREAS, City Council hereby finds and determines that the Applicant has satisfied Section 070.060.040(b)(3)g.5.(i) and satisfied the approval criteria set forth in Section 070.060.040(b)(3)f.3.; and

WHEREAS, City Council finds that the proposed amendment to the PUD is consistent with the City's goals, policies and plans and that an ordinance be enacted to effectuate the amendment.

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. The recitals above are hereby adopted as findings.

Section 2. The Cardiff Glen PUD is amended as set forth herein.

Section 3. Any ordinances or resolutions or parts thereof, which are in conflict with this ordinance, are hereby repealed to the extent of such conflict only.

INTRODUCED, READ ON FIRST READING, PASSED, AND ORDERED
PUBLISHED BY TITLE ONLY THIS 3rd DAY OF JANUARY 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Michael Gamba, Mayor

Catherine Mythen, City Clerk

INTRODUCED, READ ON SECOND READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE
OF SECOND PUBLICATION THIS 17th DAY JANUARY, 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Michael Gamba, Mayor

Catherine Mythen, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item:	Ordinance No 2, Series of 2019; An Ordinance of the City of Glenwood Springs, Colorado, Rezoning Property Owned by Iron Mountain Hot Springs, LLC known as 281 Centennial Street, Glenwood Springs, Colorado, from Mixed Use (M1) to Resort (RE) Zoning. (FIRST READING)
Action Requested:	Ordinance for Rezoning approved by City Council on November 15, 2018 regular meeting.
Department:	Economic and Community Development
Presented By:	Hannah Klausman, Senior Planner
Background Info:	City Council on November 15, 2018, approved Planning Item 16-18 to rezone two parcels from the M-1 zone to RE. This action requires an Ordinance to formally amend the zoning map.
Issues:	None.
Staff Recommendation:	Staff recommends approval of Ordinance No. 2, Series 2019 rezoning property owned by Iron Mountain Hot Springs, LLC, known as 281 Centennial Street, Glenwood Springs, Colorado, from Mixed Use (M1) to Resort (RE) Zoning.

ORDINANCE NO. 2

Series of 2019

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, REZONING PROPERTY OWNED BY IRON MOUNTAIN HOT SPRINGS, LLC KNOWN AS 281 CENTENNIAL STREET, GLENWOOD SPRINGS, COLORADO, FROM MIXED USE (M1) TO RESORT (RE) ZONING.

WHEREAS, Iron Mountain Hot Springs, LLC (the “Applicant”) filed with the City of Glenwood Springs (“Glenwood Springs” or the “City”) a request to rezone from Mixed Use (M1) to Resort (RE) two parcels of land located at 281 Centennial Street in Glenwood Springs, Colorado, known as Parcel Numbers 218509201002 and 218509202001 according to the real property records of Garfield County, Colorado (the “Property”); and

WHEREAS, the Planning and Zoning Commission considered the requested rezoning at a public hearing on October 23, 2018 and recommended approval of the rezoning based on its consideration of the rezoning approval criteria set forth in Section 070.060.040(a)(3)f.3. of the Municipal Code and its findings that the rezoning is consistent with the Comprehensive Plan’s commercial designation; the rezoning is consistent with the RE Resort district’s purpose statement; and the intensity of the new zoning district is not expected to create significantly adverse impacts to surrounding properties as it is in line with existing uses and building mass; and

WHEREAS, City Council, following notice required by law, held a public hearing at a regular meeting on January 3, 2019 to consider the rezoning request for the Property in light of the approval criteria set forth in Section 070.060.040(b)(3)f.3. of the Municipal Code and found that rezoning the Property to Resort (RE) is an appropriate designation for the Property pursuant to Section 070.060.040(b)(3)f.3.; and

WHEREAS, City Council wishes to rezone the Property from Mixed Use (M1) to Resort (RE).

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, THAT:

Section 1. The recitals above are hereby adopted as findings.

Section 2. The Property is hereby zoned Resort (RE).

Section 3. Pursuant to Section 070.060.040(b)(3)g. of the Municipal Code, the Community Development Director shall prepare a revision to the Official Zoning Map for the City of Glenwood Springs to reflect the rezoning approved herein and shall record the amendment map and this Ordinance with the Garfield County Clerk and Recorder.

Section 4. Any ordinances or resolutions or parts thereof, which are in conflict with this ordinance, are hereby repealed to the extent of such conflict only.

INTRODUCED, READ ON FIRST READING, PASSED, AND ORDERED
PUBLISHED BY TITLE ONLY THIS 3rd DAY OF JANUARY, 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Michael Gamba, Mayor

Catherine Mythen, City Clerk

INTRODUCED, READ ON SECOND READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE
OF SECOND PUBLICATION THIS 17th DAY OF JANUARY, 2019.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Michael Gamba, Mayor

Catherine Mythen, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Existing (Out of Commission) Waste Water Treatment Facility Demolition Options Phase 2

Action Requested: Approval of Phase 2 of the Waste Water Treatment Facility Demolition

Department: Public Works

Presented By: Matthew Langhorst, Director Public Works

Background Info:

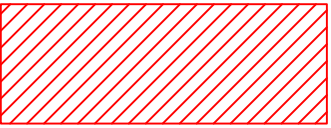
Issues:

Staff Recommendation:

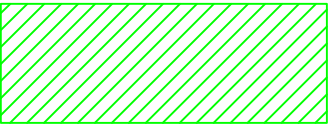


City Council
STAFF REPORT
City of Glenwood Springs
January 3rd, 2018

Agenda Item:	Existing (Out of Commission) Waste Water Treatment Facility Demolition
Action Requested:	Approval of Phase 2 of the WWTF Demolition
Presented By:	Matthew Langhorst, Public Works Director
Background Info:	Phase 1 demolition of the existing (out of commission) waste water plant at 417 West 7th Street is 95% complete at this time. During the removal of the facility the deconstruction crew encountered a live force main that ran directly through the concrete foundation of the PSH building just passing by the concrete walls of all three tanks. The existing force main that was discovered has been relocated by City crews and Gould Construction is now able to finish the last 5% of the Phase 1 demolition work. Phase 2 demolition work is being proposed for 2019. Council approved an \$800,000 budget from the W/WW Enterprise Fund to remove the remaining buildings and concrete basins on the site. Staff was going to recommend the removal of only the concrete basins and at grade onsite features at a price of \$432,600 for 2019. Staff has reconsidered that decision due to the new Build grant for South Midland covering the \$1.3 million-dollar waterline that is proposed for that project. The extensive 2019 W/WW budget was pushing the reserves for those funds low enough that staff was looking for ways to cut projects and or cut back on the scope of projects in 2019. Now that W/WW is saving \$1.0 million dollars, staff is able to propose to the Council two options for review. Partial removal of concrete basins or full removal of all onsite facilities in 2019. The full removal of the remaining portions of the decommissioned plant were bid at \$750,514.05 through the 2017 bidding process that Gould construction was awarded as low bidder. Gould is willing to move forward with the remaining scope of work at the original bid price from 2017 and they are currently still under contract for the remaining Phase 1 work with the last 5% of the project still to be completed.
Issues:	None
Action Alternatives:	Approval of Phase 2 demolition with removal of only concrete basins and at grade features. Approval of Phase 2 demolition of all remaining WWTF facilities. Denial of Phase 2 demolition work.
Staff Recommendation:	To approve full demolition of the remaining onsite WWTF facilities in 2019.

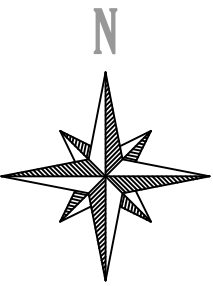


PHASE 2
DEMOLITION



RBC BUILDING
ADD OPTION

MAP NOT TO SCALE





City Council
STAFF REPORT
City of Glenwood Springs
January 3, 2019

Agenda Item: Downtown Parking

Action Requested: Direct Staff on Downtown Parking Changes

Department: City Administration

Presented By: Debra Figueroa, City Manager

Background Info: Potential updates to downtown parking policy was discussed with City Council at a work session on November 15, 2018. While a wide variety of proposed changes were discussed, staff wanted to check back in with City Council on more immediate proposed changes to pursue.

The following direction was provided in a work session:

1. Work with County to create 4 hour parking in the Colorado and 7th Lot. This parking lot is not to allow residential parking permits and County employees and jurors will be allowed to park for additional hours with parking permits.
2. Eliminate visitor parking passes in the GID.
3. Allow up to two parking passes per unit, but require license holders to apply in person with proof of address.
4. Charge administration fee of \$50 per permit.
5. Only allow parking permits to be used at city owned parking lots/parking garage.
6. Allow overnight parking in parking lot at Cooper and 8th.
7. Further study weekend and evening parking enforcement. Determine if enforcement will be revenue neutral. This would require an additional full time employee.
8. Hold a public meeting to discuss proposed changes with the public.

The original agenda item is included as Attachment A.

Issues: Changes to existing parking rules will not be received well by residents of the GID who have access to free parking on their block. However, on street parking is essential for the success of downtown businesses.

Staff Recommendation: Staff recommends that City Council direct staff to amend existing parking rules and hold a public meeting in February to explain proposed changes.



City Council
STAFF REPORT
City of Glenwood Springs
November 15, 2018

Agenda Item: Downtown Parking

Action Requested:

1. Direct staff to bring back suggested changes in the residential parking regulations;
2. Direct staff to further research paid parking on a small or larger scale. Implementing paid parking throughout the entire downtown will be challenging next year due to the 7th Street Project.

Department: City Administration

Presented By: Debra Figueroa, City Manager

Background Info: **History of Downtown Parking:**

In 1980, the City of Glenwood Springs approved the General Improvement District (GID). The GID is a redevelopment tool that has allowed downtown Glenwood Springs to thrive by eliminating the requirement for parking for businesses located within it. The map of the GID is included as Attachment A.

At the time the GID was created, it was to help provide:

1. Parking and off-street parking facilities including, but not limited to structures;
2. Acquisition or lease of necessary land or interests therein, and improvements thereto in connection with said facilities;
3. Other incidental and appurtenance facilities and improvements designed to provide parking and improve the convenience of the District area; and,
4. Landscaping, beautification and pedestrian improvements.

The mill levy for 2018 was 2.1380 and the estimated revenue for 2019 was \$42,500. The estimated fund balance for 2019 is \$70,000, though it may be closer to \$100,000. The City has used these funds to cover part of the cost for landscaping and beautification in the GID area, such as purchasing and watering flowers. In 2017, it was determined that these funds should be reserved for parking as the costs to maintain downtown grew larger than the GID could support.

While the GID has greatly assisted in the revitalization, parking assets for downtown residents and businesses have fallen behind demand. Downtown businesses and residents feel acutely the lack of convenient parking, though there is sufficient parking a few blocks from the core of downtown.

In order to help residents that live in the core of downtown park near their homes, the City of Glenwood Springs does have a downtown residential parking permit. The areas eligible for issuance of residential parking permits are:

- Pitkin Avenue – 800 and 900 blocks

- Colorado Avenue – 700, 800, and 900 blocks
- Grand Avenue – 700, 800, and 900 blocks
- Cooper Avenue – 700, 800, and North half of 900 block (addresses 900 thru 916)
- Blake Avenue – 700 block
- 7th St – 200, 300, and 400 blocks
- 8th St – 100, 200, 300, and 400 blocks
- 9th St – 100, 200, 300, and 400 blocks
- 10th St – 200 block

Attachment B maps the areas allowed for residential parking permits. Residents who live in these areas can currently apply for up to two residential permits and one guest permit. Permittees can only use this permit for parking in the block in which they reside, unless staff determines there is an extenuating circumstance that does not allow parking in the block of the residence. Permittees are exempt from two-hour parking regulations but are unable to park in 15-minute or 30-minute parking zones or in handicap parking spaces. Attachment C are the current guidelines for residential parking.

Problems with Downtown Parking:

While the GID did spur redevelopment downtown and added to the overall vibrancy of our community by encouraging housing options in the downtown core, it has shrunk the available parking for residents and visitors. As the number of visitors and residents grow, vehicles either get pushed further into residential neighborhoods or remain parked for days in prime parking. If Council wants to ensure that parking remains open for businesses, then changes to the current system will have to take place.

Possible Solutions:

1. Limiting Residential Parking Permits

Offering up to three residential parking permits per household in the downtown area for free is an excellent benefit we provide to our core downtown residents. However, as the downtown has grown this practice should be reexamined. Possible solutions could be:

- a. Charging a nominal fee for parking passes (up to \$20 per pass). This would create revenue for a future parking fund and encourage households to park further from the downtown core.
- b. Eliminating the option of a guest parking pass.
- c. Providing only one permit per household.

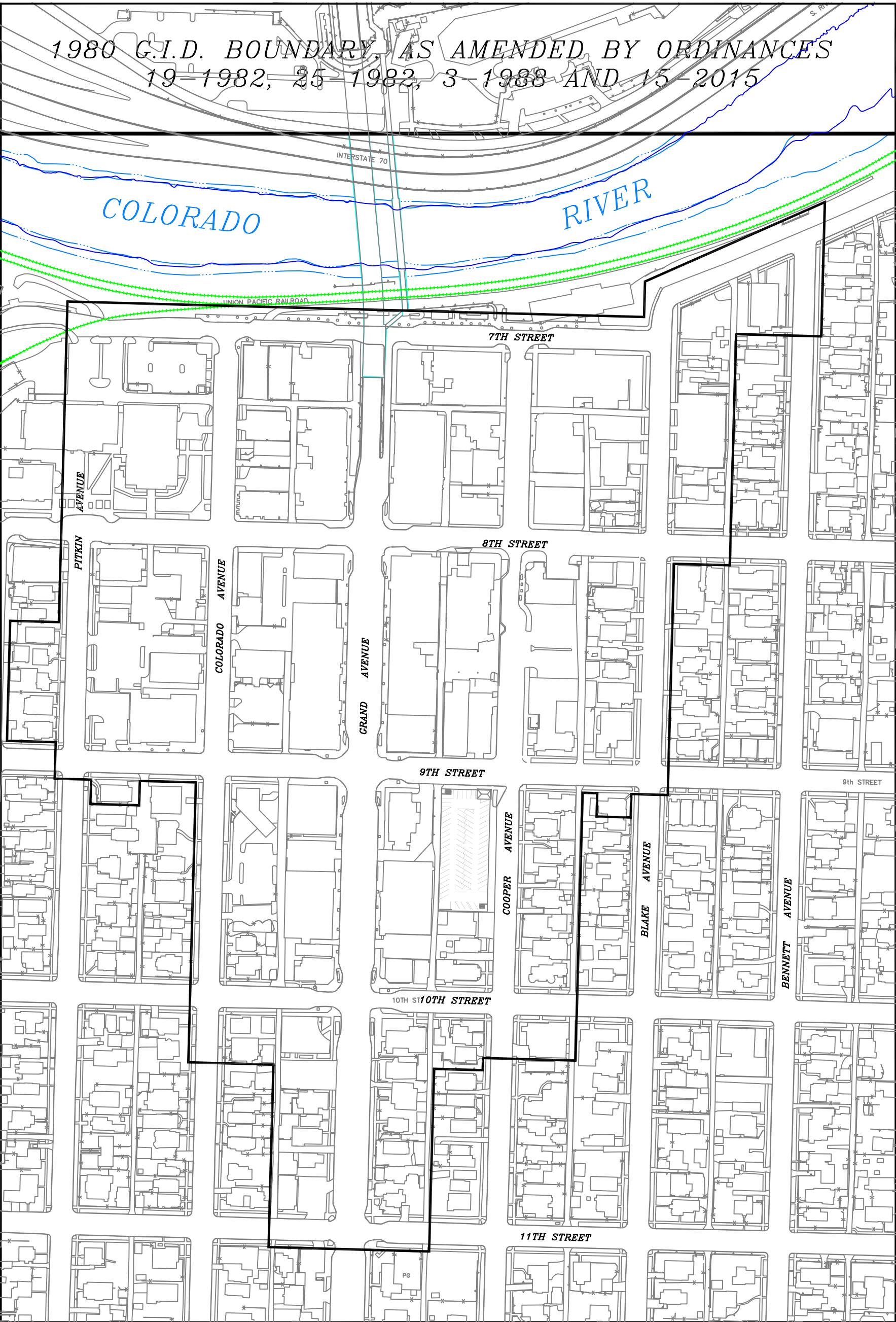
1. **Paid Parking**

- a. The City could implement paid parking throughout the entire downtown core. This could be done using a combination of pay stations and parking apps such as [Passport Parking](#). Modest hourly fees of up to \$2-3 an hour would encourage turnover. Council could decide to exempt residential passholders from this cost if desired, but that would encourage residents to park in prime retail locations.
- b. The City could decide to limit paid parking in specific parking assets only to encourage turnover in high traffic areas, i.e. parking along streets or in parking lots such as Grand Avenue, Cooper Avenue, or the City controlled area of the parking lot at 7th and Colorado Avenue (Attachment D.)
- c. The City could identify specific parking assets and not allow the use of a residential parking pass.

Parking fees would be dedicated to a parking fund to cover the costs of enforcement, maintenance for parking garages, and for planning for future parking.

Council should keep in mind that many of our downtown residents either purchased or rented their homes in these areas with an understanding that they could have free, unlimited parking on their block on a first come first served basis and they will likely be dissatisfied with any changes.

1980 G.I.D. BOUNDARY, AS AMENDED BY ORDINANCES
19-1982, 25-1982, 3-1988 AND 15-2015





Eligible Residential Parking Permit Areas



0 120 240 Feet

This map was produced by the Engineering Department.
Use of this map should be for general purposes only.
City of Glenwood Springs does not warrant the accuracy
of the data contained herein.
Phone - 970-384-6439 <http://www.gwsco.gov/>
Author: JKoenig, Date: 10/25/16

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CITY OF GLENWOOD SPRINGS POLICE DEPARTMENT

101 W. 8th Street, Glenwood Springs, CO 81601
Phone (970) 384-6500 Fax (970) 928-0162
www.glenwoodpolice.com

Policies for Issuance and Use of Free Residential Parking Permits

1. The areas eligible for issuance of residential parking permits will be as follows:
 - Pitkin Avenue – 800 and 900 blocks
 - Colorado Avenue – 700, 800, and 900 blocks
 - Grand Avenue – 700, 800, and 900 blocks
 - Cooper Avenue – 700, 800, and North half of 900 block (addresses 900 thru 916)
 - Blake Avenue – 700 block
 - 7th St – 200, 300, and 400 blocks
 - 8th St – 100, 200, 300, and 400 blocks
 - 9th St – 100, 200, 300, and 400 blocks
 - 10th St – 200 block
2. Up to two (2) resident permits and one (1) guest permits will be issued to each legal dwelling unit with an address within the eligible area. (Permits will not be issued to business owners or employees who do not live at the place of business.)
3. A legal dwelling unit can be a single family residence, townhome, residential condominium, apartment unit, duplex/triplex unit, or accessory dwelling unit.
4. Parking permits will be valid for a time period specified on the permit. Initial parking permits will be valid for a period between 6 and 12 months, depending upon the location. Renewal permits will be issued for the subsequent 12-month period. Permits may be renewed anytime within 30 days prior to the expiration of the permit. Old permits must be turned in to the City concurrently with the issuance of a new permit. (This idea is intended to stagger the renewal time so that not all permits are up for renewal at the same time.)
5. A database of addresses eligible for a parking permit will be developed. Applicants for a residential parking permit (including renewal of a permit) will be required to present proof of residency within the permit area by presenting documentation verifying their place of residence, such as a current drivers license, current lease agreement, utility (water, sewer, gas, etc.) bill, etc. Applicants will also be required to furnish a copy of the vehicle registration(s) indicating the license plate number(s) of the vehicle(s) on which the residential permit will be displayed. Permits will not be issued for improperly licensed vehicles.
6. Parking permits will be designated for use only in the block in which the resident lives (for example: someone who lives at 888 Pitkin Ave will receive a permit to

CITY OF GLENWOOD SPRINGS POLICE DEPARTMENT

101 W. 8th Street, Glenwood Springs, CO 81601
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park anywhere in the 800 block of Pitkin Ave). The valid block will be indicated on the permit. Parking permits will not be issued for specific parking spaces, but instead will be valid for any space in the designated block. Specific parking spaces will not be reserved.

7. Where extenuating circumstances make it infeasible for a resident to park within the block in which they live, a permit may be issued for use in a designated adjoining block of parking lot.
8. A \$10.00 fee will be charged for replacement of a lost residential or guest parking permit.
9. Parking permits shall be displayed on the rearview mirror (or other prominent location as near as possible to such location) clearly visible to parking enforcement officers. Display of residential parking permit will exempt a vehicle from 2-hour parking restrictions. Permits are not valid in 15-minute or 30-minute parking zones or in handicap parking spaces.
10. Parking permits shall not be sold or leased. Residential parking permits may be used only by the residents of dwelling units within the eligible area.
11. Parking permits remain the property of the City and shall be returned to the City upon request. When a resident moves from the parking permit area, the permit shall be returned to the City.
12. Guest permits shall not be sold or leased. Guest permits may be loaned to visitors for use only while the guest is visiting the host address. Guest permits may be used for no more than 5 consecutive days and for no more than 10 days total in any given month.
13. Permits will be available from the Police Dept at City Hall (Garden Level, 101 W 8th St), or through the Police Website at www.glenwoodpolice.com.
14. Improper use of parking permits will be grounds for revocation of the permit. Vehicles displaying revoked permits will be subject to issuance of a citation as if no parking permit were displayed.

For any questions not answered by this document, please contact the City's Transportation Manager in the Engineering Department by calling (970) 384-6437, or contact the Police Department's front desk staff during normal business hours by calling (970) 384-6500 or email: pdclerk@glenwoodpolice.com.

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01/10/2018 02:29:16 PM Jean.Riberico
11 of 12 Rec Fee: \$0.00 Doc Fee: \$0.00 GARFIELD COUNTY CO

