



AGENDA
CITY OF GLENWOOD SPRINGS
REGULAR CITY COUNCIL MEETING
AUGUST 18, 2022
101 W. 8TH STREET
6:15 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.

ATTENTION: To ensure your written comments are included in the City Council packet, public comments must be received by 4 p.m. on the day before City Council meetings. Comments may be submitted to ryan.muse@cogs.us.

Written comments may be submitted after this deadline and will be shared via email to City Council but are not guaranteed to make it into the meeting packet. Submit comments at any time directly to City Council via email at citycouncil@cogs.us.

ZOOM INSTRUCTIONS

You are invited to a Zoom webinar.

When: Aug 18, 2022 06:15 PM Mountain Time (US and Canada)

Topic: 2022/08/18 Regular Council Meeting

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/86074218116?pwd=MGtTbTRxY0RzOHpKaEJGbWkzTzc0QT09> Passcode: 899107

Or One tap mobile: US: +12532158782,,86074218116# or +13462487799,,86074218116#

Or Telephone: Dial (for higher quality, dial a number based on your current location):

US: +1 253 215 8782 or +1 346 248 7799 or +1 669 444 9171 or +1 669 900 6833 or +1 646 931 3860 or +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or +1 386 347 5053 or +1 564 217 2000

Webinar ID: 860 7421 8116

International numbers available: <https://us02web.zoom.us/j/86074218116?pwd=MGtTbTRxY0RzOHpKaEJGbWkzTzc0QT09>

WORK SESSION

3:30	1. Budget	Information/Discussion
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REGULAR SESSION

4:00	2. Executive Session on City Manager Search	Information/Discussion
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Executive Session pursuant to CRS 24-6-402(4)(f)(I) regarding personnel matters which no employee has requested be in an open meeting more specifically regarding the City Manager's search.

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|------|-------------------------------|
| 6:15 | 3. Roll Call |
| | 4. Pledge of Allegiance |
| | 5. Agenda Changes & Conflicts |

6:20	6. Citizens Appearing Before Council (for items not on the Agenda-comments limited to 3 minutes)
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6:30	7. Consent Agenda	Discussion and/or Action
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- A. August 4, 2022 Council Minutes
- B. Intergovernmental Agreement with Garfield County Regarding November 2022 Election
- C. Taxpayer Bill of Rights (TABOR) Notice for the November 2022 Election.
- D. Master License Agreement with AT&T
- E. Resolution 2022-31; Department of Local Affairs Grant for Partial Funding for Phase I of South Bridge
- F. Resolution 2022-32; Application for Federal Mineral Lease District Mini Grant by the Police Department for a Drone

ACTIONS AND/OR PRESENTATIONS

6:30	8. Support for grant application for a welcome center at 8th and Grand by Colorado Mountain College	Discussion and/or Action
6:45	9. Planning Item 22-22 Right-of-Way Encroachment License, 716 Cooper Avenue, Western Hotel	Discussion and/or Action
7:00	10. Ordinance 2022-10; Raise Campaign Issue Spending	Discussion and/or Action
7:30	11. Ordinance 2022-20; Amending Title 070 regarding standards for extended-stay hotels	Discussion and/or Action
8:00	12. Ordinance 2022-21; Citizen Comment Requirements	Discussion and/or Action
8:05	13. Subsurface Utility Engineering Study Split for the Downtown Alleys	Discussion and/or Action
8:20	14. Adoption of Small and Large Transportation Plan -Transportation Commission Priorities	Discussion and/or Action
8:50	15. Council Comments	
	16. Report from City Administration	
	A. City Manager	
	B. City Attorney	
	C. Correspondence Incoming/Outgoing	
	17. Adjournment	



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Budget
Action Requested:	NA
Department:	Finance
Presented By:	Steve Boyd, Yvette Gustad
Strategic Goals:	Provide Efficient and Responsive City Government Protect and Preserve our Quality of Life Preserve and Improve Infrastructure Generate Sustainable Economic Development Ensure Public Safety
Background Info:	This work session will feature budgets managed by the Parks and Recreation Department. We expect to cover the following including capital requests that support each: -Recreation Center -Arts -Facilities -Parks -Conservation Trust -Cemetery -Airport If time permits we may cover the Marijuana Tax Fund, Tobacco Tax Fund and General Improvement District (GID).
Issues:	Staff will submit a budget for Council's consideration on October 6th for adoption by vote on November 3rd.
Fiscal Impact:	Various
Legal Review:	NA
Staff Recommendation:	NA



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item: Executive Session on City Manager Search

Action Requested: NA

Department: Attorney

Presented By: Karl Hanlon

Strategic Goals: Provide Efficient and Responsive City Government
Preserve and Improve Infrastructure
Protect and Preserve our Quality of Life
Generate Sustainable Economic Development
Ensure Public Safety

Background Info: Council will review applications and select semi-finalists

Issues: NA

Fiscal Impact: NA

Legal Review: NA

Staff Recommendation: NA



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item: August 4, 2022 Council Minutes

Action Requested: August 4, 2022 City Council Minutes

Department: City Clerk

Presented By:

Strategic Goals: Provide Efficient and Responsive City Government

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



MINUTES
CITY OF GLENWOOD SPRINGS
REGULAR CITY COUNCIL MEETING
AUGUST 4, 2022
6:15 PM

Note: Official meeting minutes are located on the City website via YouTube video at the following link: <https://www.youtube.com/user/GlenwoodSprings1885/videos>. The times in agenda items indicate approximately where the item can be found on the YouTube video timeline.

REGULAR SESSION

Item 5. :04 Roll Call

Present: Mayor Godes, Mayor Pro-Tem Willman, Councilor Dehm, Councilor Stepp, Councilor Kaup, Councilor Wussow, and Councilor Hershey. Also present were; Steve Boyd, Acting City Manager; Jenn Ooton, Asst. City Manager; Ryan Muse, City Clerk; Matt Langhorst, Director of Public Works; Yvette Gustad, Finance Director; Terri Partch, City Engineer; Bryana Starbuck, Public Information Officer; and Karl Hanlon, City Attorney.

:04 Councilor Hershey moved, seconded by Councilor Kaup, to allow Councilor Dehm to appear virtually from Switzerland.

Motion passed unanimously.

Item 6. :04 Pledge of Allegiance

Mayor Godes led the Pledge of Allegiance.

Item 7. :05 Agenda Changes or Conflicts

Comments were made by Mayor Pro-Tem Willman.

Item 8. :05 Citizens Appearing Before Council

Citizen comments were made.

Comments were made by Councilor Stepp and Mayor Pro-Tem Willman.

Item 9. :11 Consent Agenda

:11 Mayor Pro-Tem Willman moved, seconded by Councilor Kaup, to approve the Consent Agenda minus item A. July 21, 2022, Council Minutes.

Motion passed unanimously.

Consent Agenda Item A. July 21, 2022, Council Minutes :11

Comments were made by Councilor Kaup and Mayor Pro-Tem Willman.

:12 Councilor Kaup moved, seconded by Mayor Pro-Tem Willman, to approve the minutes as amended by the City Clerk.

Motion passed unanimously.

Comments were made by Mayor Godes, Councilor Hershey, and City Attorney Karl Hanlon.

Item 10. :13 Ordinance 2022-19; Planning item 12-22, Code Amendments to Title 070.040 as it Relates to Floodplain Regulations (To Be Continued to the Next Meeting)

:13 Mayor Pro-Tem Willman moved, seconded by Councilor Hershey, to continue item number 10 until the next meeting, which is the second meeting in August.

Motion passed unanimously.

Comments were made by City Attorney Karl Hanlon.

Item 11. :14 Affordable/Workforce Housing Ballot Decision

Comments were made by Mayor Godes, Councilor Hershey, and City Attorney Karl Hanlon.

The motion on the table continued from last meeting was - Councilor Hershey moved, seconded by Mayor Godes, to put a question on the ballot in November for a 3.5% increase in lodging tax.

:14 Councilor Hershey withdrew his motion and Mayor Godes withdrew his second.

Comments were made by Mayor Godes, Councilor Wussow, Councilor Kaup, and Councilor Hershey.

Norma Guzman-Duran, Clark Anderson, Sumner Shatner, and Carolyn Meadowcroft from the Ad Hoc committee presented.

Comments were made by Mayor Godes and Councilor Hershey.

:31 Mayor Godes opened the item for public comment.

Public comment was taken.

Comments were made by Mayor Godes, Mayor Pro-Tem Willman, City Attorney Karl Hanlon, and Councilor Wussow.

:53 Mayor Godes closed the item for public comment.

Comments were made by Councilor Kaup.

:54 Councilor Kaup moved, seconded by Councilor Stepp, to accept the Ad Hoc Committee's recommendation of the 2.5% lodging tax to be finalized over the next two weeks and for the ballot language to include the new tax is levied on all accommodation, the funds must be for work force housing in Glenwood Springs, the funds cannot go to the General Fund and there is a 20-year sunset clause.

Comments were made by Ad Hoc Committee member Clark Anderson, Council Stepp, Mayor Pro-Tem Willman, Councilor Wussow, Councilor Hershey, Councilor Dehm, Councilor Kaup, Mayor Godes, and City Attorney Karl Hanlon.

Ayes: Wussow, Stepp, Dehm, Godes, Kaup, Willman

Nays: Hershey

Motion passed 6-1.

1:26 Break

Councilor Dehm left the meeting.

Item 12. 1:35 Urban Forestry and Beetle Kill

Dan Roper, Park Superintendent and Heather Listermann, Downtown Parks and Public Spaces Supervisor and a certified arborist, presented.

Comments were made by Councilor Stepp, Heather Listermann, Downtown Parks and Public Spaces Supervisor, Councilor Hershey, Dan Roper, Parks Superintendent, Councilor Wussow, Councilor Kaup, City Attorney Karl Hanlon, Terri Partch City Engineer, Mayor Godes, and Mayor Pro-Tem Willman.

Item 13. 2:05 Council Comments

Comments were made by Councilor Stepp, Councilor Hershey, Mayor Pro-Tem Willman, City Attorney Karl Hanlon, Councilor Kaup, Councilor Wussow, and Mayor Godes.

Item 14. 2:12 Report from Administration

City Manager

No comments were made.

City Attorney

Comments were made by City Attorney Karl Hanlon.

Correspondence Incoming/Outgoing

Comments were made by City Attorney Karl Hanlon and Mayor Godes.

2:13 Councilor Wussow moved, seconded by Mayor Pro-Tem Willman, to accept the letter of correspondence.

Motion passed unanimously.

Comments were made by Mayor Godes, Councilor Wussow, and City Attorney Karl Hanlon.

Item 15. 2:16 Adjournment

2:16 Councilor Hershey motioned, seconded by Mayor Pro-Tem Willman, to adjourn.

Motion passed unanimously.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item: Intergovernmental Agreement with Garfield County Regarding November 2022 Election

Action Requested: Approval of Intergovernmental Agreement (IGA) with the County for a coordinated election.

Department: City Clerk

Presented By: Ryan Muse

Strategic Goals: Provide Efficient and Responsive City Government

Background Info: The City needs to execute an agreement with the Clerk and Recorder's office of Garfield County to participate in the November election.

Issues: None

Fiscal Impact: \$500 from the General Fund in 2022.

Legal Review: Legal will approve the agreement

Staff Recommendation: Execution of Intergovernmental Agreement with Garfield County.

**INTERGOVERNMENTAL AGREEMENT CONCERNING ELECTION SERVICES FOR THE
November 8, 2022 General Election**

This intergovernmental agreement ("IGA" or "Agreement") is made effective this ____ day of _____, 20__, between the Garfield County Clerk and Recorder ("Clerk") and _____ (Political Subdivision").

The Political Subdivision desires to conduct an election pursuant to its statutory authority ("Election"), The election will occur on November 8, 2022.

An agreement concerning the preparation, conduct and actual cost of a coordinated election is required. This agreement must be signed no later than August 30s, 2022. C.R.S. §1-7-116(2)

The Clerk has agreed to perform the following election services in consideration of the performance by the Political Subdivision of its obligations and payment of costs and fees.

The Clerk has designated Rachel Weishaar, Election Supervisor, whose telephone number is (970) 384-3700 x 1770 as the staff member to function as the primary liaison between the Clerk and the Political Subdivision for the purposes of the Election. The Contact Officer shall act under the authority of the Clerk.

The Political Subdivision has designated _____ whose phone number is _____ as its Designated Election Official ("DEO"). The DEO shall function as the primary liaison between the Political Subdivision and the Clerk. C.R.S. §1-1-104(8)

If the Political Subdivision encompasses territory within other counties, this Agreement shall apply only to that portion of the Political Subdivision within Garfield County.

NOW, THEREFORE, in consideration of their mutual promises contained herein, the parties agree as follows:

I. Duties of the Clerk

The Clerk agrees to perform the following duties, or such other duties as may be mutually agreed upon by the parties in writing, in connection with the Election:

A. Preparation for the Election

1. Provide the Political Subdivision a street locator file, which lists the street addresses located in the boundaries of the Political Subdivision within the Clerk's voter registration system. If the Political Subdivision encompasses the entire county, a street locator file will not be sent for verification.
2. Assist and inform the Political Subdivision on any matter that should ensure the efficient preparation and conduct of the Election. The Clerk shall not provide legal advice.
3. Manage all voter records and correspondence in accordance with Title 1 of the Colorado Revised Statutes and the Colorado Secretary of State Election Rules for the relevant year of the Election.
4. Supply, deliver and set up all necessary items for the conduct and preparation of the Election.
5. Certify the election judges and determine their compensation. Provide a list of election judges upon request by the Political Subdivision. Train election judges prior to the election, including specific instruction in the secure operation of the election equipment. C.R.S. §1-6-101(6), C.R.S. §1-6-104, C.R.S. §1-6-115

6. Provide, no later than twenty days before the Election, notice of election by publication for the 2022 General Election conducted as a Mail Ballot Election with in-person options for voting at Voter Service & Polling Centers. Such notice shall satisfy the publication requirement for all Political Subdivisions participating in the Election. C.R.S. §1-5-205(1), C.R.S. §1-5-205(1.4)
7. Conduct all required tests and audits of the voting system prior to and after the Election C.R.S. §1-7-509(1), Secretary of State Election Rules.
8. Establish backup procedures and a backup site for the counting of the Election, should the counting equipment or location become unavailable during the count. Secretary of State Election Rules
9. Negotiate an agreement for the printing of the official ballots. After receipt from the Political Subdivision of the certified ballot content (per Section II.A.8 of this Agreement), the Clerk shall provide a copy of the ballot layout for proofreading before authorization to begin printing of all ballots.

B. Conduct of the Election

1. Mail ballot packets will be sent to all eligible active voters beginning October 17th thru October 21st. Then daily after that through Monday, October 31st.
2. Coordinate the proper number and location of Voter Service & Polling Centers. All Voter Service & Polling Centers will be accessible to electors with disabilities. Voter Service & Polling Centers and ballot drop off locations for the election are published on our website at: www.garfield-county.com. C.R.S. §1-5-101, C.R.S. §1-5-102.9 C.R.S. §1-5-703
3. Provide for the security and processing of all mail-in ballots. Provide for the verification of signatures on the self-affirmation section on the return envelopes. C.R.S. §1-7.5-107.2, C.R.S. §1-7.5-107.3, C.R.S. §1-7.5-107.5
4. Facilitate special accommodations for all registered military and overseas citizens as provided by the Uniform Military and Overseas Voter Act. Section 8.3 of Title 1 of the Colorado Revised Statutes
5. Provide provisional ballots to electors who qualify. Provide a telephone number that a provisional voter may call to inquire if their provisional ballot counted. C.R.S. §1-8.5-101, C.R.S. §1-8.5-104(6)
6. Provide a multilingual ballot if requested by a voter who appears in person at a Voter Services and Polling Center during early voting or on election day. Garfield County will engage the services of a certified translator for translation of each participating Political Subdivisions certified ballot question(s). C.R.S. §1-5-905 and §1-5-907.
7. Provide properly trained personnel for the preparation and conduct of the Election. Provide personnel at the tabulation center on Election Day/Night to release unofficial results.
8. Preserve all Election records for at least twenty-five months after the election. C.R.S. §1-7-802, Clerk and Recorder Record Retention Policy
9. Conduct a recount of any contest where the final ballot tabulation results are close enough to require a recount or if an interested party requests a recount. Section 10.5 of Title 1 of the Colorado Revised Statutes
10. Conduct a Canvass and Risk-Limiting Audit of the election to process, accept and tabulate the eligible military, cured, and provisional ballots received the eighth day after the election. Verify the votes were accurate and voting equipment was working properly by conducting a risk-limiting audit of election results

and through the Canvass Board. C.R.S. § 1-10-101, *et seq.*, C.R.S. § 1-10-201, *et seq.*, Secretary of State Election Rules.

11. Provide, maintain, and operate the County's ballot marking devices and vote-counting equipment.
12. Work with the Political Subdivision to make sure that eligible Property Owners are notified of an election in their district and are instructed on how they can apply for a mail ballot. C.R.S. §32-1-806, C.R.S. §1-5-304, C.R.S. §1-7-104

C. Election Costs

1. Keep an accurate account of all Election costs including, but not limited to, supplies, printing costs, legal notices, labor, postage, translation services and other expenses attributable to the Clerk's administration of the Election for the Political Subdivision. The minimum charge for participation in a coordinated election by any political subdivision is \$500.
2. Charge the Political Subdivision for its portion of the costs of the Election incurred by the Clerk for that Political Subdivision up to and including the date of cancellation of the Election or any additional costs related to removing the Political Subdivision from ballot programming or publications.
3. Submit to the Political Subdivision an invoice for all expenses incurred under this Agreement within 60 days of the election.
4. The cost of any recount(s) requested by the Political Subdivision will be charged to the Political Subdivision, or if more than one Political Subdivision participates in the recount, the cost will be prorated among the participating Political Subdivisions.

D. TABOR Notice

1. Prepare the TABOR Notice, if relevant. Article X Section 20 of the Colorado Constitution, Secretary of State Election Rules
2. Charge the Political Subdivision for all expenses for the preparation, printing, labeling and postage for the TABOR notice. Said expenses shall be prorated among all Political Subdivisions participating in the TABOR notice.
3. Mail to each elector within Garfield County who may be affected by certain TABOR ballot issues the TABOR notice not less than thirty days prior to the election. The Clerk shall determine the least cost method for mailing the TABOR notice and address the TABOR notice to "All Registered Voters" at each address where one or more active registered voters of the Political Subdivision reside. Nothing herein shall preclude the Clerk from sending the TABOR Notice of the Political Subdivision to persons other than electors of the Political Subdivision if such sending arises from the Clerk's efforts to mail the TABOR Notice at least cost.
4. Execute a separate IGA with the Political Subdivision referred to as Attachment 1 to produce the ballot notice referred to as the TABOR Notice.

II. Duties of the Political Subdivision

The Political Subdivision shall perform the following duties in connection with the Election:

A. Preparation for the Election

1. Post and/or publish any other legal notices required pursuant to relevant provisions of the Uniform Election Code of 1992 (C.R.S. Articles 1-13 of Title 1) or the Colorado Municipal Code of 1965, §31-10-101, *et seq.*, C.R.S., or Title 32, as amended, except as otherwise stated by this agreement.
2. Gather all necessary petitions, if applicable.
3. Be solely responsible for determining whether a ballot issue, question or candidate is properly placed before the voters.
4. Review the information contained in the street locator file and certify its accuracy, as well as any changes, additions, or deletions to the file. The certification of the street locator file shall be made no later than September 16, 2022 at 5:00 p.m. to the Clerk. If the certification is not provided by the date specified herein, the Clerk cannot guarantee accurate ballot styles nor be responsible for additional charges associated with address library errors resulting in incorrect ballot styles. If the Political Subdivision encompasses the entire county verification of the address locator file is not required.
5. If required, request the Property Owner list from the Garfield County Assessor's Office to prepare the list of eligible property owners for the election. Provide the Clerk with the list of eligible property owners who are classified on the Secretary of State's voter registration records as UOCAVA voter no later than September 12, 2022. A supplemental list should be requested from the County Assessor's office thirty days prior to the election to determine if there are new property owner's eligible to vote. The supplemental property owner list should be provided to the Clerk no later than October 14, 2022.
6. The Clerk will not automatically mail ballots to eligible property owners as found on the list submitted to the County Clerk on Sept 16, 2022 but will send a letter giving notice of the upcoming election with an application for a mail ballot to these eligible property owners. This letter will be mailed at the same time as the TABOR Notice.
7. Provide a certified copy of the ballot content, submitted as an email attachment to eplace@garfield-county.com in the format requested below, at the earliest possible time and in any event no later than sixty days before the election, September 9, 2022 at 5:00 p.m. Ballot content (candidates, issues and questions) to be exactly in the order of appearance on the ballot pages and sample ballots. The certified list of candidates, ballot issues and/or ballot questions shall be final, and the Clerk will not be responsible for making any changes after the certification. C.R.S. §1-5-203(3)(a)
 - Candidates/ ballot issues and/or ballot questions must be submitted electronically in Microsoft Word format.
 - Certified content for ballot questions should be no longer than 250 words. Bullets are allowed but no sub bullets.
 - If certifying a ballot title with the question(s), please limit the title to ten words or less.
 - Contact Edna Place at 970-384-3700 x 1804 with any questions about submission format. Garfield County is using a new voting system (Clear Ballot), so you do not have to submit the ballot content in notepad format ever again.
 - Provide audio pronunciation of all candidates' names if applicable.
8. Garfield County must now provide a multilingual ballot if requested by a voter who appears in person at a Voter Services and Polling Center during early voting or on election day. Please submit the proposed language for the ballot question(s) as soon as possible even if you are not ready to certify the ballot

content. Garfield County will work with a certified translator to translate the ballot question(s) into Spanish. The multilingual ballot will be sent for your approval but at later date than the English Ballot is sent for approval. C.R.S. §1-5-905 and §1-5-907

9. Proofread and approve the Political Subdivision's ballot content for printing preferably the same day of receipt of the ballot proof from the Clerk. The Political Subdivision shall provide an e-mail address and designate a person to be available for proofing and approving ballot content for printing and audio files of pronunciation of candidates' names if applicable. Due to limited printing availability and time constraints, the Political Subdivision should provide contact information for someone who may be available from 8:00 a.m. to 5:00 p.m. from September 12, 2022 or until final approval for the printing of ballots has been reached. If no one representing the Political Subdivision is available and the printing timeline requires it, the ballot will go to print without Political Subdivision approval. The Clerk shall not be responsible for any errors or omissions because of the Political Subdivision's failure to proofread the ballot. The Political Subdivision has designated _____ whose phone is _____ and e-mail is _____ to be available for ballot proofing.
10. The Political Subdivision may assign a representative to witness the logic and accuracy testing prior to the election, the risk limiting audit after the election and the canvass board certification of the election. The canvass board and risk limiting audit board will be made up of representatives appointed by the Chairperson of the Garfield County Republican and Democratic parties and the County Clerk.
11. Notify the Clerk if the Political Subdivision is a municipality which has provided by ordinance or resolution that it will utilize the requirements and procedures of the Uniform Election Code of 1992 in lieu of the Colorado Municipal Election Code of 1965 with respect to the Election. A copy of said ordinance or resolution will be provided to the Clerk either when the IGA is returned, or the ballot content is certified to the County Clerk.
12. When the Political Subdivision is a special district, within thirty days after the special district has been declared organized by the court, the Political Subdivision will transmit to the county clerk and recorder in each of the counties in which the Political Subdivision or a part thereof extends certified copies of the findings and the order of the court organizing said special district. C.R.S. §32-1-306
13. Notify the clerk if the Political Subdivision resolves not to participate in the Election prior to the submission of ballot certification. After ballot certification day, a Political Subdivision that withdraws from participating in the election shall be liable for accrued election costs. The Political Subdivision shall provide notice by publication of the cancellation of the Election and a copy of the notice shall be posted in the office of the Clerk, in the office of the Designated Election Official (as defined in the Code) and, if the Political Subdivision is a special district in the office of the Division of Local Government, the Political Subdivision shall not cancel the election after the twenty-fifth day prior to the election, October 14, 2022. C.R.S. §1-5-208(2).

B. Conduct of the election

1. Immediately notify the Clerk of any Election contest that is initiated by the Political Subdivision and keep the Clerk apprised of the need to retain Election records for use in such a contest.

C. TABOR Notice

1. Be responsible for the additional costs associated with such TABOR Notice if notice is required on behalf of the Political Subdivision. (See also Section I.D.2 of this Agreement).
2. Collect and compile the TABOR Notice content in compliance with Article X Section 20 of the Colorado Constitution and any pertinent Rules. Article X Section 20 (3)(b)(v), C.R.S. §1-7-901, *et seq.*

3. Provide all content for the TABOR Notice to the Clerk by Monday September 26, 2022 (43 days before the day of the election). C.R.S. §1-7-904.

III. Election Costs

The minimum fee for election services is \$500.00.

1. Proportional share of costs is based on County expenditures relative to the Election, the number of electors per entity receiving ballots and the number of voted ballots returned to the County Clerk for processing, scanning, and tabulating.
2. The Political Subdivision acknowledges it has sufficient funds available in its approved budget to pay its prorated Election expenses.
3. Upon receipt of the invoice, pay to the Clerk within sixty days the prorated fee. Contact Officer, Rachel Weishaar, may be asked for an estimated cost of participating in this election.
4. The Political Subdivision will be responsible for any additional or unique election costs resulting from Political Subdivision delays and/or special preparations or cancellations relating to the Political Subdivision's participation in the Election.

IV. Additional Provisions

1. No portion of this Agreement shall be deemed to create a cause of action with respect to anyone not a party to this Agreement, nor is this Agreement intended to waive any privileges and/or immunities to the parties or of which their officers or employees may possess, except as expressly stated in this Agreement.
2. Time is of the essence under this Agreement. The statutory time frames or requirements of the Election Statutes, TABOR requirements found in the Constitution, and the Election Rules shall apply to the completion of any duties or tasks required under this Agreement. Failure to comply with the terms of this Agreement, statutory requirements, or Secretary of State Rules may result in consequences up to and including termination of this Agreement.
3. Timeline:

August 25, 2022	IGA signed and returned to Clerk
August 25, 2022	Address library sent to participating entities
September 9, 2022	Certified ballot content due to Clerk
September 12-15, 2022	Ballot proofing
September 16, 2022	Address Library Returned
September 19-20, 2022	Logic and Accuracy testing of voting equipment
September 23, 2022	Last Day for pro/con comments to be submitted to the Political Subdivision DEO by citizens by noon

September 24, 2022	Last day to send ballots to UOCAVA voters
September 26, 2022	TABOR Notice content submitted to County Clerk for creation of the TABOR Notice
September 27-28, 2022	TABOR Notice proofing
October 7, 2022	TABOR Notice Mailed
October 17-21, 2022	Ballots mailed to all active voters
October 24 to Nov 7, 2022	Voter Service & Polling Centers open for early voting Mon – Fri 8:30 am to 5:00 pm
October 24, 2022	Begin signature verification and ballot processing
October 31, 2022	Last day to register to vote or update an address and have a ballot mailed
November 5, 2022	Saturday early voting hours at VSPCs 10 am to 2 pm
November 8, 2022	Election Day all VSPCs open 7 am to 7 pm
November 16, 2022	Last day to return ballots rejected for missing or discrepant signatures.
November 20-23 2022	Risk Limiting Audit
November 30, 2022	Last day to certify election results

4. Allocation of Cost of the Election is at the Clerk's determination and shall be final.
5. The Clerk may enter into other similar agreements with other Political Subdivisions for the conduct of other elections simultaneously.
6. Venue for any dispute hereunder shall be in the District Court of Garfield County, Colorado.
7. Any and all notices required to be given by this Agreement are deemed to have been received and to be effective: (1) three days after they have been mailed by certified mail, return receipt requested; (2) immediately upon hand delivery; or (3) immediately upon receipt of confirmation that a fax/email was received; to the address of a Party as set forth below or to such Party or addresses as may hereafter be designated in writing:

To Clerk: Garfield County Clerk & Recorder

Drop Off: 109 8th St., Suite 200 Glenwood Springs, CO 81601
Mail: same as above
Fax: 970-947-1078
Email: rweishaar@garfield-county.com

To Political Subdivision: _____

Drop Off: _____

Mail: _____

Fax: _____

Email: _____

8. The term of this IGA shall continue until all statutory requirements concerning the conduct of the election and the creation, printing, and distribution of the TABOR Notice, if needed, are fulfilled.
9. This IGA may be amended only in writing and following the same formality as the execution of the initial IGA.
10. In any event that any provision in this IGA conflicts with the Code or other statute, this IGA shall be modified to conform to such law. No resolution of either party to this Agreement shall impair the rights of the Clerk or the Political Subdivision hereunder without the consent of the other party to this Agreement.
11. The Parties hereto understand and agree that the County, its commissioners, officials, officers, directors, agents, and employees, are relying on, and do not waive or intend to waive by any provisions of the Agreement, the monetary limitations or any other rights, immunities and protections provided by the Colorado Governmental Immunity Act (the CGIA), §24-10-101 to 120, C.R.S., or otherwise available to the County or the Political Subdivision. To the extent the CGIA imposes varying obligations or contains different waivers for cities and counties, both the County and the Political Subdivision agree that they will remain liable for their independent obligations under the CGIA, and neither party shall be the agent of the other or liable for the obligations of the other.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement to be effective upon the date first above written.

Garfield County Clerk & Recorder

Date: _____

Jean M. Alberico

Political Subdivision

Date: _____

By

Authorized Signature



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Taxpayer Bill of Rights (TABOR) Notice for the November 2022 Election.
Action Requested:	Approval of the execution of a notice to voters regarding the Colorado Taxpayer Bill of Rights (TABOR Notice).
Department:	City Clerk
Presented By:	Ryan Muse
Strategic Goals:	Provide Efficient and Responsive City Government
Background Info:	The Colorado Constitution requires county-wide coordination of election notices from jurisdictions that overlap.
Issues:	NA
Fiscal Impact:	NA
Legal Review:	Legal will approve the notice.
Staff Recommendation:	Approval of Taxpayer Bill of Rights (TABOR) notice for the November coordinated election.

ATTACHMENT 1

"AMENDMENT 1 NOTICE" (TABOR NOTICE)
FOR 2022 November 8, General Election IGA

WHEREAS, the County Clerk and Recorder of Garfield County, Colorado ("County Clerk") and _____ ("Political Subdivision"), (collectively, the "Parties"), have entered into an intergovernmental agreement to cooperate and contract for the purpose of conducting a coordinated election; and

WHEREAS, Const. Colo. Art. X, Sec. 20 ("TABOR") requires the production of a mailed notice of the ballot issues to be determined for the Political Subdivisions that are subject to the requirements of said constitutional section ("TABOR Notice"); and

WHEREAS the TABOR Notices of several jurisdictions are to be sent as a package where jurisdictions overlap ("TABOR Notice Package"); and

WHEREAS the need to produce the TABOR Notice Package requires that there be countywide coordination of its production and mailing to effectuate the purposes of said constitutional section; and

WHEREAS the Parties desire to set forth their respective responsibilities in the production and mailing of the TABOR Notice Package.

NOW THEREFORE, the Parties agree as follows:

1. The County Clerk shall perform the following services and activities for the Political Subdivision's election:

a. Determine the "least cost" method for mailing the TABOR Notice Package and determine the Political Subdivision's proportional share of the total cost.

b. Combine the text of the TABOR Notice produced by the Political Subdivision with those of other districts to produce the TABOR Notice Package.

c. Address the package to "All Registered Voters" at each address of one or more active registered electors residing within the Political Subdivision boundaries or to each postal patron. Nothing herein shall preclude the County Clerk from sending the TABOR Notice of the Political Subdivision to persons other than electors of the Political Subdivision if doing so arises from the County Clerk's efforts to mail the TABOR Notice Package at "least cost".

d. Determine the order in which the TABOR Notice submittal of the Political Subdivision and those of other jurisdictions, if any, shall be placed in the TABOR Notice Package, provided, however, that the materials supplied by the Political Subdivision shall be kept together as a group and in the order supplied by the Political Subdivision.

e. Mail the TABOR Notice Package, addressed as required by law, at least 30 days before the election to registered electors residing within the Political Subdivision boundaries.

f. Mail copies of the TABOR Notice Package to registered electors residing outside of the Political Subdivision who own property within the Political Subdivision boundaries.

Attachment 1 - TABOR NOTICE - Page 2 of 3

g. Refer inquiries, correspondence, and calls concerning the substance of the ballot issues and ballot questions or the operations of the Political Subdivision to such person designated as the Election Officer by the Political Subdivision.

h. Write, print, and incorporate any notice to be included in the TABOR Notice Package that may inform the elector of the polling place or that may provide other information as may be required by law.

i. Provide the Political Subdivision an itemized statement of the costs of performing the tasks performed by the County Clerk hereunder.

2. The Political Subdivision shall perform the following services and activities for the Political Subdivision's election:

a. Designate an "Election Officer" to act as liaison between the Political Subdivision and the County Clerk.

b. Determine the ballot issues to be voted upon at the election.

c. Include, within its TABOR Notice, ballot titles in this order of preference: "NOTICE OF ELECTION TO INCREASE TAXES/TO INCREASE DEBT/ON A CITIZEN PETITION/ON A REFERRED MEASURE."

d. Inform the County Clerk of any voter-approved additions to the TABOR Notice for the Political Subdivision and incorporate such additions into the TABOR Notice supplied to the County Clerk.

e. Designate a person ("Election Officer") to be available to respond to inquiries, correspondence, and calls concerning the substance of the ballot issues or the operations of the Political Subdivision. The Political Subdivision shall communicate this designation to the County Clerk at the time of certification of the ballot content. The Election Officer shall be reasonably available to the County Clerk and shall within a reasonable time reply to the originator of all such inquiries, correspondence, and calls.

f. Determine the ballot title and text in accord with TABOR.

g. Prepare the layout of the TABOR Notice for the Political Subdivision in accord with TABOR.

h. Summarize written comments concerning ballot issues following receipt of such comments received from the public and provide summaries for use in the TABOR Notice as required by TABOR. The summaries are limited to up to 500 words one for and one against the proposal.

i. Provide the Political Subdivision's completed TABOR Notice to the County Clerk on or before the 42nd day preceding the election and provide the number of eligible electors outside of the Political Subdivision boundaries.

j. For Title 32 Districts, provide the Clerk with a list of eligible property owners so the Clerk can mail the TABOR Notice by the notice deadline to each address of one or more active registered electors who reside outside of the Political Subdivision.

Attachment 1 - TABOR NOTICE - Page 3 of 3

k. Perform such acts as may be required by law, including circulation, approval, review, and all other activities, relating to any petition that may concern the Political Subdivision. The Election Officer shall interact with any Political Subdivision petition representatives, including but not limited to, working to ensure that the Election Officer receives the summary of written comments for their petition within the time required by law.

l. Pay the costs shown in the itemized statement provided by the County Clerk either directly to the County Clerk or to such vendors or subcontractors as the County Clerk may designate.

IN WITNESS WHEREOF, the Parties hereto have executed this Attachment 1 to be effective the _____ day of _____, 2022.

POLITICAL SUBDIVISION:

GARFIELD COUNTY CLERK

Authorized Signature, Title

Jean M. Alberico, County Clerk

Glenwood Springs – Main Office

201 14th Street, Suite 200
P. O. Drawer 2030
Glenwood Springs, CO 81602

Aspen

323 W. Main Street
Suite 301
Aspen, CO 81611

Montrose

1544 Oxbow Drive
Suite 224
Montrose, CO 81402

Office: 970.945.2261

Fax: 970.945.7336

[****Direct Mail to Glenwood Springs***](#)

DATE: August 11, 2022
TO: Glenwood Springs City Council
FROM: Karp Neu Hanlon, P.C.
RE: Consent Agenda Item: Master License Agreement with AT&T

On the consent agenda for the August 18, 2022, City Council meeting, you will find a proposed master license agreement (“MLA”) between the City and AT&T. The purpose of this MLA is to allow AT&T to install wireless communications facilities (“WCFs”), specifically small cells, at approved locations in the public right of way within the City.

The Community Development Department has been processing applications from AT&T to locate small cells at certain locations in the City and has issued two conditional approvals for two facilities. The two conditionally approved locations will be specified in supplemental site licenses as part of the MLA, and the plans for each location will become exhibits to the agreement.

The MLA specifies the terms under which AT&T will be permitted to occupy the right of way with its WCFs and includes a provision allowing the City to require AT&T to relocate its WCFs in the right of way for public purposes or when the public health, safety or welfare requires relocation.

Staff requests Council’s approval of this MLA and requests authority to add the necessary exhibits, complete the required supplemental site licenses, and make minor changes to the agreement that may be required before final execution.

**WIRELESS COMMUNICATIONS FACILITIES
MASTER LICENSE AGREEMENT**

THIS WIRELESS COMMUNICATIONS FACILITIES MASTER LICENSE AGREEMENT (“Agreement”) is entered into this ____ day of _____, 20____ (“Effective Date”), by and between the City of Glenwood Springs, Colorado (“Licensor”) and NEW CINGULAR WIRELESS PCS, LLC, a Delaware limited liability company, with a mailing address of 1025 Lenox Park Blvd NE, 3rd Floor, Atlanta, GA 30319 (“Licensee”).

RECITALS

This Agreement is made with reference to the following Recitals, each of which is deemed to be a material term and provision of this Agreement:

A. Licensor is the owner of certain public rights-of-way, streets, utility easements, and similar property rights, as well as certain municipal facilities located in the public rights-of-way situated within the City limits of Glenwood Springs, Colorado.

B. Licensee owns and/or controls, maintains and operates a communications network serving residents and visitors in the City of Glenwood Springs, Colorado.

C. For purposes of operating the Network, the Licensee wishes to locate, place, attach, install, operate, control, and maintain Wireless Communications Facilities in the Public Rights-of-Way.

D. Licensee will agree to comply with Licensor’s PROW and land use requirements as provided herein and as stated in the City of Glenwood Springs Municipal Code (“City Code”) and applicable Engineering Standards.

E. Licensee is willing to compensate Licensor in exchange for a grant and right to use and physically occupy portions of the poles and/or the PROW as provided herein.

SECTION 1. DEFINITIONS

For the purpose of this Agreement, the following terms, phrases, words and their derivations shall have the meaning given herein. When not inconsistent with the context, words used in the present tense include the future, words in the plural include the singular, and words in the singular include the plural. Words not defined shall be given their common and ordinary meaning. The word “shall” is always mandatory and not merely discretionary. Definitions applicable to this Agreement also include the definitions set forth in the City Code.

1.1 “Affiliate” means any entity that, directly or indirectly controls, is controlled by, or is under common control with, the Licensee.

1.2 “Applicable Laws” means any federal, state or local laws, orders, rules and regulations applicable to Licensee’s use of the Small Cell Facility or WCF within the PROW or on the Public

Property and Licensor's ownership and use of the PROW and Public Property and any other improvements or equipment in the PROW, as the case may be.

- 1.3 “Emergency” means any event where there is an imminent threat of injury to person or property, or loss of life, or imminent threat to public health, or that results in an interruption in the provision of utility and/or communications services, including but not limited to damaged or leaking water or gas conduit systems, damaged, obstructed or leaking sewer or storm drain conduit systems and damaged electrical and communications facilities.
- 1.4 “FCC” means the Federal Communications Commission.
- 1.5 “Network” or collectively “Networks” means one or more of the wireless and fiber-based Wireless Communications Facilities operated by the Licensee to serve its customers in the City of Glenwood Springs.
- 1.6 “Owner” means a person with a legal or equitable interest in ownership of real or personal property.
- 1.7 “Person” means any corporation, partnership, proprietorship, individual or organization, governmental organization, or any natural person.
- 1.8 “Public Property” means any real property owned by the Licensor other than Public Rights-of-Way.
- 1.9 “Public Rights-of-Way” or “PROW” means the surface, air space above the surface, and the area below any public street, road, highway, freeway, lane, public way, alley, court, sidewalk, boulevard, drive, bridge, tunnel, parkway, or easement now or hereafter held by the Licensor, or dedicated for use by the Licensor for use by the general public.
- 1.10 “Supplemental Site License” means a document, substantially in the form attached as Exhibit A. Each Wireless Site installation will be subject to a Supplemental Site License.
- 1.11 “Small Cell Facility” has the meaning specified in the City Code.
- 1.12 “Small cell network” means a collection of interrelated small cell facilities designed to deliver wireless service.
- 1.13 “Wireless Communications Facility” or “WCF” has the meaning specified in the City Code.
- 1.14 “Wireless service” means data and telecommunications services, including commercial mobile services, commercial mobile data services, unlicensed wireless services, and

common carrier wireless exchange access services, as all of these terms are defined by federal law and regulations.

- 1.15 “Wireless Site” means a location in or on the PROW selected for the Licensee’s deployment of Wireless Communications Facilities.

In the event of any conflict between this Agreement, including the Exhibits, and the City Code, as it exists on the effective date of this Agreement, the City Code prevails, except as federal or state law may preempt or act to modify the City Code at present or in the future. Future amendments to the City Code shall also prevail in the case of any conflict with any provisions of this Agreement and any Exhibits, so long as the City Code changes do not alter any material rights granted herein, and except as federal or state law may preempt or act to modify the City Code. In the event of any conflict between this Agreement and a Supplemental Site License, the terms of the Supplemental Site License shall prevail.

SECTION 2. GRANT OF AUTHORITY

- 2.1 Grant of License. The Licensor hereby grants to the Licensee, a non-exclusive license to use and occupy the PROW throughout the territorial boundaries of the Licensor, as these boundaries may be adjusted from time to time due to annexations, to attach, install, construct, operate, maintain, repair, upgrade, remove, reattach, reinstall, relocate, and replace the Wireless Communications Facilities identified in each Supplemental Site License. This grant is subject to the terms, conditions and other provisions set forth in this Agreement and all Applicable Laws. The Licensee shall install its WCFs consistent with the Licensor’s applicable ordinances and regulations, including but not limited to the City of Glenwood Springs Right-of-Way Permit Application and Construction Standards in Article 090.045 of the City’s Code and the City of Glenwood Springs Engineering Standards. The parties understand and agree that this Agreement is a limited grant of authority subject in all respects to Applicable Law, including without limitation, those regarding the kind, size, height and bulk of structures in the PROW, and further subject to all provisions contained herein.
- 2.2 Installations. WCFs owned and/or controlled by the Licensee may be installed only on the following, and in the listed priority: (i) Licensor’s traffic signal poles or other Licensor-owned poles or structures in the PROW under the terms of this Agreement, (ii) third-party poles in the PROW under the terms of a fully executed pole attachment agreement with the Owner of such poles, or (iii) in instances where no other reasonable opportunity for attachment exists, on the Licensee’s proprietary poles newly installed in the PROW. The Licensee shall be responsible for complying with all obligations under this Agreement regarding equipment, irrespective of ownership of or title to such equipment. Subject to the exception described below, all WCFs shall be installed on poles located at Wireless Sites. For all installations of WCFs in the PROW, in addition to all obligations of this Agreement, the Licensee shall be bound by all applicable Licensor rules and regulations, which may be modified by Licensor from time to time; provided that (i) Licensor gives Licensee reasonable advanced written notice of such modified Licensor rules and regulations, (ii) such modified Licensor rules and regulations are applied equally to all users of the PROW and Licensor-owned structures, and (iii) such modified Licensor rules

and regulations don't unreasonably restrict, interfere with or limit rights previously granted to Licensee in any specific Supplemental Site License.

2.3 License Agreement and Supplement Term.

2.3.1 Agreement Term. The initial term of this Agreement shall commence upon the Effective Date and shall expire fifteen (15) years from the Effective Date (the "Term"), unless renewed as herein provided in Section 7.2.

2.3.2 Supplement Term. The term of each Supplemental Site License shall be in effect for a period of five (5) years commencing on the "Commencement Date" determined in accordance with each Supplemental Site License. Unless otherwise terminated, a Supplement Term and License provided for herein will continue uninterrupted, and will automatically be extended for up to two (2), successive, five (5) year periods (each, a "Renewal Term"), with the first five-year extension of the Supplement Term commencing immediately upon the expiration of the initial period of the Supplement Term, and the second five-year extension of the Supplement Term commencing immediately upon the expiration of the preceding Renewal Term, unless notice of non-extension is provided by either party to the other prior to the commencement of the succeeding Renewal Term. All of the provisions of this Agreement shall be in effect during the Supplement Term and all applicable Renewal Terms.

2.3.3 If the Term of this Agreement expires before the end of any five (5) year Supplemental Site License term, this Agreement shall remain in effect only with respect to any Supplemental Site License through the end of such Supplemental Site License's term.

2.4 Conditions. The rights afforded to the Licensee under this Section 2 are granted subject to the conditions herein provided, the exhibits and attachments to this Agreement, and all Applicable Laws.

2.5 Non-Exclusive License. The Licensee's right to use and occupy the PROW and attach to structures therein shall not be exclusive. The Licensor reserves the right to grant a similar use to itself or any Person at any time.

2.6 Waiver of Claims. In consideration for the rights granted under this Agreement, the Licensee waives all claims, demands, causes of action, and rights it may assert against the Licensor and its officials, personnel, agents, and representatives because of any loss, damage, or injury to any Wireless Communications Facilities, or any loss or degradation of service resulting from the installation, operation, maintenance or malfunction of Wireless Communications Facilities regardless of cause, except as provided in Section 5 and except as results directly from the Licensor's negligence or willful misconduct.

2.7 No Interest in Public Property or PROW. Nothing under this Agreement shall be interpreted to create or vest in the Licensee any easement or other ownership or property interest to any Public Property or PROW or constitute an assignment of any Licensor's

rights to Public Property or PROW. Licensee shall, at all times, be and remain a licensee only.

- 2.8 Sub-Tenants and Sub-Licensees of Licensee. The parties understand and agree that the Licensee does not intend to provide access to the Wireless Sites to its customers. Licensee (including its contractors and agents) will be the responsible party for all of the operation, repair and maintenance of Licensee's Wireless Communications Facility at the Wireless Sites under this Agreement.

SECTION 3. PERMITS, CONSTRUCTION, OPERATION AND MAINTENANCE IN THE PUBLIC RIGHTS-OF-WAY

- 3.1 License Requirement. Each Wireless Site will be subject to a Supplemental Site License pursuant to the terms and conditions of this Agreement. Either party may terminate any Supplemental Site License for convenience at its discretion, subject to all obligations for removal of Wireless Communications Facilities, restoration of the Wireless Site and any other applicable conditions of law related to such termination.

3.2 Fees.

- 3.2.1 All fees provided for herein shall be non-refundable. Upon agreement of the Parties, Licensee may pay any fee by electronic funds transfer; and in such event, Licensor agrees to provide to Licensee bank routing information for such purpose. Licensor agrees to provide to Licensee a completed, current version of Internal Revenue Service Form W-9, or equivalent.

- 3.2.2 As of the Commencement Date defined in each Supplemental Site License, Licensee shall pay to Licensor an annual fee equal to \$270 for each Site where Licensee intends to attach equipment to Licensor-owned poles or structures or install equipment in the PROW.

- (a) Beginning on the first anniversary of the Commencement Date and continuing throughout the Supplement Term, including any extensions or additional extensions, the annual fee due hereunder shall increase by 2% per annum over the annual rental rate due during the immediately preceding year unless otherwise authorized by the FCC.
- (b) The annual fee, plus any escalator, shall be the "Site Access Fee." In the event any law provides Licensee the right to attach equipment to Licensor-owned poles or structures or install equipment in the PROW at an annual rate less than the rate set forth herein, the annual Site Access Fee shall be reduced to such amount on the next anniversary of the Commencement Date (or earlier if required by such law) for all existing Supplemental Site Licenses, and all new Supplemental Site Licenses shall be entered into at such new rate. In such event, the Parties shall enter into an amendment to this Agreement documenting such amount. The Site Access Fee shall not apply to or be charged for attachments to third-party facilities.

- 3.2.3 The Site Access Fee is non-refundable and is payable within ninety (90) days of the initial Commencement Date, and on or before each subsequent annual anniversary of the Commencement Date during the Supplement Term (or until such earlier time as such Site Supplement is terminated).
- 3.3 Permitted Use of PROW. PROW may be used by Licensee, seven (7) days a week, twenty-four (24) hours a day subject to the City's ordinances including but not limited to those related to noise and PROW construction and engineering standards, only for the Wireless Sites and attachment, installation, construction, maintenance, repair, upgrade, removal, reattachment, reinstallation, relocation, replacement, use and operation of WCFs and not for any other purpose. It is understood that the purpose of installing WCFs at designated Wireless Sites in the PROW is to provide Wireless Services and to augment Network capacity otherwise provided through the installation of other facilities, such as traditional tower structures and fiber backhaul. This Agreement shall include new types of WCFs that may evolve or be adopted using wireless technologies.
- 3.4 Application and Administrative Approval of Wireless Sites.
- 3.4.1 Licensee shall file with the Licensor an application for proposed Wireless Sites for which Licensee seeks City approval and for which licensee plans to request a Supplemental Site License. The request must include the application and submittal requirements specified in the City Code and shall be processed consistent with the requirements and standards in the City Code and in accordance with all Applicable Laws. If the WCF is proposed in rights-of-way owned by another governmental entity, a copy of the agreement authorizing Licensee access to that right-of-way may be required as a condition of Licensor's approval of Licensee's application.
- 3.4.2 For installation, construction, operation, maintenance, repair and removal of WCFs, Licensee shall obtain all generally applicable permits that are required of all occupants of the PROW in accordance with Applicable Law. The Licensor shall process all permit applications in a non-discriminatory and competitively neutral manner.
- 3.4.3 Notwithstanding anything in this Agreement to the contrary, modifications shall be subject to permitting required under Applicable Laws, but shall not be subject to additional Licensor approval to the extent that: (i) such modification to WCFs involve only substitution of internal components, and does not result in any change to the external appearance, dimensions, or weight of the WCF, change in loading impacts on the pole as approved by the Licensor, or impact to multi-modal traffic flow; or (ii) such modification involves replacement of the WCF with a WCF that is the same or smaller in weight and dimensions as the approved WCF and does not impact multi-modal traffic flow.
- 3.5 Utilities. Licensee will be responsible for obtaining telephone, electric, fiber, and any other utility service used or consumed by Licensee in connection with its WCFs directly

from the applicable service provider. In no event will Licensee secure its utilities by sub-metering from the Licensor.

- 3.6 Duty to Minimize Interference. Licensee shall not impede, obstruct or otherwise interfere with the installation, existence or operation of any other facility in the PROW, including but not limited to sanitary sewers, water mains, storm water drains, gas mains, traffic signals and/or utility poles, Licensor-owned street lights, aerial and underground electrical infrastructure, cable television and telecommunication wires, public safety and Licensor networks, and other telecommunications, utility, or Public Property. All Licensee activities in the PROW shall be carried on as to minimize interference with the use of the PROW and with the use of private property, in accordance with all regulations of the Licensor necessary to provide for and protect public health, safety and convenience.

3.7 Relocations.

- 3.7.1 The Licensor shall have the right to require Licensee to relocate, remove, replace, modify or disconnect WCFs located in the PROW for public purposes, in the event of an emergency, or when the public health, safety or welfare requires such change (for example, without limitation, by reason of traffic conditions, public safety, PROW vacation, PROW construction, change or establishment of PROW grade, installation of sewers, drains, electric lines, gas or water pipes, conduits, cables, or any other types of structures or improvements by the Licensor for public purposes). Such work shall be performed at Licensee's expense. The Licensor also reserves the right to make full use of the property involved as may be necessary or convenient, and the Licensor retains all rights to operate, maintain, install, repair, remove, replace or relocate any of its facilities located within the Licensor's property at any time and in such a manner as it deems necessary or convenient. Except during an emergency, the Licensor shall provide reasonable notice to Licensee, of not less than one hundred twenty (120) days, and allow Licensee the opportunity to perform any relocation, removal, replacement, modification or disconnection of the WCFs located in the PROW. Within one hundred twenty (120) days prior written notice from Licensor, Licensee shall relocate, remove, replace, modify or disconnect any of its WCFs within any PROW. If the Licensor requires Licensee to relocate its WCFs located within the PROW, the Licensor shall make a reasonable effort to provide Licensee with an alternate location within the PROW. During such relocation, if necessary, in Licensee's reasonable determination, and consistent with any applicable permit requirements, it may place a temporary installation in the PROW.
- 3.7.2 If Licensee fails to complete the relocation within the one hundred twenty (120) day period and to Licensor's satisfaction, the Licensor may remove the WCFs or otherwise cause such work to be done and bill the cost of the work to Licensee, including all costs and expenses incurred by Licensor due to Licensee's delay. In such event, Licensor shall not be liable for any damage to any portion of the Network other than damage caused by Licensor's negligence or willful

misconduct. Licensee shall make full payment to Licensor within thirty (30) days of receipt of an itemized list of such costs, including documentation supporting such expenses.

- 3.8 Duty to Repair. Any PROW, Public Property or private property that is disturbed or damaged during, or as a result of, the construction, reconstruction, repair, replacement, removal, relocation, operation or maintenance of any WCFs by Licensee or its agents or contractors shall be promptly restored to its original condition by Licensee at its sole expense.
- 3.9 Additional Installations. Licensee may install its equipment on other poles in the PROW lawfully owned and operated by third parties. Subject to obtaining the written permission of the owner(s) of the affected property, and obtaining any required building or electrical permits and paying associated permit fees, the Licensor hereby authorizes and permits Licensee to enter upon the PROW and to attach, install, operate, maintain, repair, remove, reattach, reinstall, relocate, and replace equipment in or on poles or other structures lawfully owned and operated by public utility companies or other property owners located within the PROW as may be permitted by the public utility company or property owner, as the case may be. In such situation, a Supplemental Site License shall be required but a Site Access Fee shall not be paid. Licensee will obtain all required permits and approvals for installation on third party poles in the PROW pursuant to the City of Glenwood Springs Municipal Code, including a City of Glenwood Springs Right of Way Permit.
- 3.10 Inventory of Wireless Sites. Licensee shall maintain a current inventory of Wireless Sites throughout the Term. Upon written request of Licensor, which request may be made once per year and is not required to be made annually, Licensee shall provide to Licensor a copy of the inventory of Wireless Sites by December 31st of each year requested until the end of the Term. The inventory shall include roadway intersection (if applicable), GIS coordinates, date of installation, the Licensee Site ID #, type of pole used for installation, pole owner, and description/type of installation for each Wireless Site WCF installation. For Wireless Sites that become inactive, the inventory shall include the same information, in addition to the date the Wireless Site was deactivated and the date the WCF was removed from the PROW. Licensor will compare the inventory to its records to identify any discrepancies.
- 3.11 Unauthorized Installations. If there are any unauthorized Wireless Sites identified by review of the inventory of Wireless Sites or through any other means, Licensor shall provide written notice to Licensee of such unauthorized Wireless Site and Licensee shall have thirty (30) days thereafter in which to submit an application request for a Supplemental Site License for that location, or alternatively to remove the WCFs and restore the property at Licensee's expense. If Licensee fails to submit an application for the WCF, or if the request is denied, Licensee shall remove the WCFs from the PROW and restore the property to the original condition at its expense within thirty (30) days, unless a different time period is agreed to by the parties. If the request is approved,

Licensee must pay the required fees for a new WCF site plus interest at the rate of two percent (2%) per annum from the date of the original installation.

3.12 Signal Interference Prohibited.

3.12.1 Notice; Licensee Response. In the event any WCFs interfere with Licensor's traffic signal system, public safety radio system, or other Licensor communications infrastructure operating on wireless frequencies where Licensor is legally authorized to operate, Licensee will respond to Licensor's request to address the source of the interference as soon as practicable, but in no event later than twenty-four (24) hours of receiving such request, pursuant to the protocol outlined in Section 3.12.2 below, and shall follow the process outlined in Section 4 of this Agreement.

3.12.2 Response Protocol. The protocol for responding to events of interference will require Licensee to provide Licensor's City Engineer an interference remediation report that includes the following items:

- (a) Remediation Plan. Devise a remediation plan to stop the event of interference;
- (b) Time Frame for Execution. Provide the expected time frame for execution of the remediation plan, not to exceed 90 days; and
- (c) Additional Information. Include any additional information relevant to the execution of the remediation plan.

3.13 Removal; Relocation. In the event interference with Licensor's facilities cannot be eliminated, Licensee shall shut down the WCFs and remove or relocate any WCF that is the source of the interference to a suitable alternative location.

SECTION 4. EMERGENCY CONTACTS

4.1 Coordination of Emergency Events. In case of an emergency due to interference, failure of traffic signal or utility systems, or any unforeseen events, Licensor will act to protect the public health and safety of its citizens, and to protect public and private property, notwithstanding any provision in this Agreement. Licensor will make every reasonable effort to coordinate its emergency response with Licensee. To that end, Licensor will use the following emergency contacts:

4.1.1 Level One Contact: Licensee's network operations center may be reached 24/7 at: _____ and email: _____.

4.1.2 Level Two Contact: In the event the Licensee's network operations center cannot be reached, or the network operations center staff cannot address the emergency situation, the Licensor may contact:

Phone: _____
Email: _____ or

Phone: _____
Email: _____

- 4.1.3 Level Three Contact: In the event the emergency situation calls for a coordinated effort between the Licensor's and Licensee's management team, the Licensor may contact:

Phone: _____
Email: _____

- 4.2 Licensee's Duty to Maintain Current Emergency Contacts. Licensee shall provide updated emergency contact information to Licensor's City Engineer within forty-eight (48) hours of any updates.
- 4.3 Licensee's Response to Network Emergency. In case of a Network emergency due to any unforeseen event, Licensee may access its Wireless Sites and WCFs without first obtaining a PROW permit provided Licensee has conducted Network trouble-shooting and diagnostic tests and has reasonably identified the point or points of Network failure or malfunction. While acting under this provision to address a Network emergency, Licensee shall conduct its activities within the PROW in such a manner as to protect public and private property and to provide the necessary traffic control. Licensee will make every reasonable effort to coordinate its emergency response with Licensor. To that end, prior to entering the PROW, Licensee will use the following emergency contacts to give notice to Licensor of the Network emergency and an estimated time period to address the situation:
- 4.3.1 Licensor's public safety communications dispatch may be reached 24/7 at _____. If contact cannot be made with Licensor in this manner, Licensee shall call 9-1-1.
- 4.3.2 Notwithstanding the foregoing, within ten (10) days after undertaking the emergency work, Licensee is required to obtain a right of way permit in order to allow Licensor to update its records of the work.
- 4.4 Licensor's Duty to Maintain Emergency Contacts. Licensor shall provide updated emergency contact to Licensee's network operations contact.

SECTION 5. INDEMNITY AND INSURANCE

5.1 Indemnity.

- 5.1.1 To the extent permitted by law, Licensee shall indemnify and hold Licensor

harmless against any third-party claim of liability or loss from personal injury or property damage resulting from or arising out of the negligence or willful misconduct of Licensee, its employees, contractors or agents, except to the extent such claims or damages may be due to or caused by the negligence or willful misconduct of Licensor, or its employees, contractors or agents. Licensor will provide Licensee with prompt, written notice of any claim covered by this indemnification; provided that any failure to provide any such notice, or to provide it promptly, shall not relieve Licensee from its indemnification obligation in respect of such claim, except to the extent Licensee can establish actual prejudice and direct damages as a result thereof. Licensor will cooperate appropriately with Licensee in connection with Licensee's defense of such claim. Licensee shall pay for the reasonable costs and expenses of Licensor's defense conducted by counsel selected by Licensor. Licensee shall not settle or compromise any such claim or consent to the entry of any judgment without the prior written consent of each Licensor and without an unconditional release of all claims by each claimant or plaintiff in favor of Licensor.

- 5.1.2 If separate representation to fully protect the interests of both parties is or becomes necessary, such as a conflict of interest between the Indemnified Party and the counsel selected by Licensee to represent the Indemnified Party, Licensee shall pay for all reasonable expenses incurred by the Indemnified Party as a result of such separate representation; provided, however, in the event separate representation becomes necessary, the Indemnified Party shall select its own counsel and any other experts or consultants, subject to Licensee's prior approval. The Indemnified Party's expenses hereunder shall include all reasonable out-of-pocket expenses, such as consultants' fees, and shall also include the reasonable value of any services rendered by the Indemnified Party's attorney or his/her assistants or any employees of the Indemnified Party or its agents but shall not include outside attorneys' fees for services that are unnecessarily duplicative of services provided the Indemnified Party by Licensee.
- 5.1.3 Neither party will be liable under this Agreement for consequential, indirect, special, incidental or punitive damages for any cause of action, whether in contract, tort, or otherwise, even if the party was or should have been aware of the possibility of these damages, whether under theory of contract, tort (including negligence), strict liability, or otherwise.

5.2 Insurance.

- 5.2.1 Licensee shall carry during the Term, at its own cost and expense, the following insurance: (i) commercial general liability insurance per ISO form CG 00 01 or equivalent with a limit of liability of \$5,000,000 per occurrence for bodily injury (including death) and \$1,000,000 per occurrence for property damage and \$5,000,000 general aggregate with products and completed operations; (ii) excess or umbrella liability on an occurrence basis in excess of the commercial general liability insurance, which has coverage as broad as such policy, with a limit of \$2,000,000; Licensee may use any combination of primary and excess insurance to

meet the total limits required; (iii) Workers' Compensation Insurance as required by law and employers' liability insurance with limits of \$500,000 bodily injury each accident, \$500,000 bodily injury each disease-each employee, and \$500,000 bodily injury disease policy limit; (iv) commercial automobile liability insurance with combined single limits for bodily injury and property damage of \$1,000,000 each accident with respect to each of Licensee's hired and non-owned vehicles assigned to or used in the City pursuant to this Agreement (if Licensee has no owned automobiles the requirements of this section shall be met by each employee of the Licensee operating within the City pursuant to this Agreement). Notwithstanding the foregoing, Licensor may increase the aforementioned limits of insurance upon prior notice to, review and acceptance by Licensee. Licensee shall require each of its contractors to adhere to substantially the same requirements as required of Licensee.

- 5.2.2 All of the insurance coverages identified in Section 5.2.1, except the workers' compensation and employer's liability insurance, shall apply to and include Licensor as an additional insured by endorsement as their interest may appear under this Agreement. The insurance shall indemnify and defend Licensor against all loss, damage, expense and liability arising out of or in any way connected with the performance of this Agreement. To the extent permitted by law, the workers compensation insurance coverage shall contain a waiver of subrogation for Licensor's benefit. Further, the insurance coverages identified in Section 5.2.1 will be primary and non-contributory with respect to any self-insurance or other insurance maintained by Licensor.
- 5.2.3 Upon execution of this Agreement and upon any subsequent request of Licensor, Licensee shall provide Licensor with a Certificate of Insurance and blanket additional insured endorsements determined by Licensor to be necessary to provide evidence of the coverage required by this Section 5.2.
- 5.2.4 Upon receipt of notice from its insurer(s) Licensee shall provide thirty (30) days' advance notice to Licensor in the event of cancellation of any coverage.
- 5.2.5 All of the primary insurance policies Licensee, and its contractors to the extent applicable under Section 5.2.1, are required to maintain in this Section 5.2 shall be obtained from insurance carriers having an A.M. Best rating of at least A-VII.

SECTION 6. DEFAULT AND REMEDIES

- 6.1 Notice of Violation. The party not in violation shall provide the defaulting party with a detailed written notice of any violation of this Agreement, and a thirty (30) day period within which the defaulting party may: (i) demonstrate that a violation does not exist, (ii) cure the alleged violation, or (iii) if the nature of the alleged violation prevents correction thereof within thirty (30) days, initiate a reasonable plan of action to correct such violation (including a projected date by which it will be completed) and notify the non-defaulting party of such plan of action.

6.2 Default.

- 6.2.1 Licensee Default. If Licensee fails to disprove or correct the violation within thirty (30) days, or, in the case of a violation which cannot be corrected in thirty (30) days, Licensee has failed to initiate a reasonable plan of corrective action and to correct the violation within the specified time frame in such plan, then the Licensors may declare in writing that Licensee is in default.
- 6.2.2 Hearing Available to Licensee. Within fifteen (15) days after receipt of a written declaration of default from Licensors, Licensee may make a written request for a hearing before the City Manager or his/her designee, in a proceeding affording due process. If a hearing is not requested, Licensors may seek any remedy available under Applicable Law. If a hearing is requested, such hearing shall be held within sixty (60) days of the receipt of the request therefor and a decision rendered within fifteen (15) days after the conclusion of the hearing. Upon a finding of default, the City Council or its designee may impose remedies of revocation and/or recovery of actual damages caused by such breach. Any decision shall be in writing and shall be based upon written findings of fact as contained in the record of the hearing.
- 6.2.3 Appeal of Default. Licensee may appeal a finding of default and/or imposition of remedies by the City Council or its designee, which appeal shall be pursuant to C.R.C.P. 106 and based upon the written record. Alternatively, the parties may, by mutual agreement, agree to address the finding of default through arbitration or mediation.
- 6.2.4 Licensors Default. If Licensors fails to disprove or correct the violation within thirty (30) days, or, in the case of a violation which cannot be corrected in thirty (30) days, Licensors has failed to initiate a reasonable plan of corrective action and to correct the violation within the specified time frame in such plan, then Licensee may declare in writing that Licensors is in default.
- 6.3 Bankruptcy. The parties expressly agree and acknowledge that it is their intent that in the event Licensee shall become a debtor in any voluntary or involuntary bankruptcy proceeding (a "Proceeding") under the United States Bankruptcy Code, 11 U.S.C. 101, *et seq.* (the "Bankruptcy Code"), for the purposes of proceeding under the Bankruptcy Code, this Agreement shall be treated as an unexpired lease of nonresidential real property under Section 365 of the Bankruptcy Code, 11 U.S.C. 365 (as may be amended), and, accordingly, shall be subject to the provisions of subsections (d)(3) and (d)(4) of said Section 365. Any Person, to which Licensee's rights, duties and obligations under this Agreement are assigned pursuant to the provisions of the Code, shall be deemed without further act to have assumed all of the obligations of Licensee arising under this Agreement both before and after the date of such assignment. Any such assignee shall upon demand execute and deliver to the Licensors an instrument confirming such assumption. Any monies or other considerations payable or otherwise to be delivered in connection with such assignment shall be paid to Licensors, shall be the exclusive property of Licensors, and shall not constitute property of Licensee or of

the estate of Licensee within the meaning of the Bankruptcy Code. Any monies or other considerations constituting Licensor's property under the preceding sentence not paid or delivered to Licensor shall be held in trust for the benefit of Licensor and be promptly paid to Licensor.

SECTION 7. AMENDMENT AND RENEWAL

7.1 Amendment. Written requests to amend this Agreement for any purposes may be made by either party. The parties shall engage in good faith discussions and endeavor to reach agreement within sixty (60) days of receipt of such written request. Any amendment shall become effective after being duly executed by both parties. Notwithstanding the foregoing, nothing shall require either party to agree to any amendment request.

7.2 Renewal.

7.2.1 Unless earlier terminated by either party pursuant to the provisions of this Agreement or default by Licensee, the Agreement shall automatically renew on the same terms and conditions as provided herein for two (2) successive terms of five (5) years, provided that Licensee has complied with the material terms of this Agreement. If Licensor does not believe that Licensee is entitled to renewal, Licensor shall provide written notification to Licensee at least ninety (90) days prior to the expiration date of this Agreement, in which notice Licensor shall provide support for its position.

7.2.2 As between Licensor and Licensee, Licensee shall at all times retain ownership of the WCFs, unless an alternative vertical structure, such as a street light, has been purchased by Licensee and ownership assigned to Licensor, pursuant to this Agreement. Upon expiration or non-renewal of this Agreement, within forty-five (45) days of the expiration of the then-current Term, Licensee shall be permitted to remove its WCFs installed within the PROW, or alternatively, sell the same to a qualified buyer consistent with Applicable Law. In no event may Licensee abandon in place any of its WCFs installed in or on the PROW, unless the express written consent of Licensor is obtained for each Wireless Site.

SECTION 8. ASSIGNMENT/TRANSFER OF OWNERSHIP OR CONTROL

8.1 Definitions. In this Section, the following words have the meanings indicated:

8.1.1 "Control" means actual working control in whatever manner exercised. "Control" includes, but may not necessarily require, majority stock ownership or control of 51% or more of the voting rights in Licensee, or the power (directly or indirectly) to direct the management or policies of Licensee, whether through the ownership of voting securities, by contract, by agency or otherwise.

8.1.2 "Proposed Transferee" means a proposed purchaser, transferee, lessee, assignee or Person acquiring ownership or control of this Agreement or of Licensee.

- 8.2 No Transfer. Except as provided herein below, Licensee shall not sell, transfer, lease, assign, sublet or dispose of, in whole or in part, either by forced or involuntary sale, or by ordinary sale, contract, consolidation or otherwise, this Agreement, any Supplemental Site License as provided for herein, or any of the rights or privileges therein granted, without the prior consent of Licensors; except that such consent shall not be required for a transfer or assignment to an Affiliate or to any entity which acquires all or substantially all of Licensee's assets in the market defined by the FCC in which the WCF is located by reason of a merger, acquisition or other business reorganization, provided that such acquiring entity has debt to equity and profitability ratios consistent with mature companies in the same or similar business and is in compliance with all Applicable Laws at the time of the transfer, and Licensee and the new entity represent to Licensors that the new entity has not had a decision entered against the new entity for a material violation of any City of Glenwood Springs permit. The consent required by Licensors may be conditioned upon the performance of those requirements necessary to ensure compliance with the obligations of this Agreement. Licensee shall provide no less than thirty (30) days written notice to Licensors of the details of any transaction described herein that requires Licensors consent. Once Licensee obtains Licensors consent to transfer or assign this Agreement to a third party as required under this Section, Licensee shall be authorized to transfer each Supplemental Site License to such third party without further consent or approval.
- 8.3 Licensee Control. The requirements of Section 8.2 shall also apply to any change in Control of Licensee. A rebuttable presumption that a transfer of Control has occurred shall arise upon the acquisition or accumulation by any person or group of persons of fifty-one percent (51%) or more of the voting shares of Licensee. The consent required (other than with respect to Affiliates) may be conditioned upon the performance of those requirements necessary to ensure compliance with the specific obligations of this Agreement imposed upon Licensee by Licensors. For the purpose of determining whether it should consent to transfer of Control, Licensors may inquire into the qualifications of the proposed transferee and the Licensee shall assist Licensors in the inquiry.
- 8.4 Required Information. In seeking Licensors' consent to any change in ownership or control for which prior consent is required under Sections 8.2 and 8.3, Licensee shall require the Proposed Transferee to indicate whether it:
- 8.4.1 Has ever been convicted or held liable for acts involving deceit including any violation of Applicable Laws, or is currently under an indictment, investigation or complaint charging such acts;
 - 8.4.2 Has ever had a judgment in an action for fraud, deceit, or misrepresentation entered against the proposed transferee by any court of competent jurisdiction;
 - 8.4.3 Has pending any material legal claim, law suit, or administrative proceeding arising out of or involving a network and/or equipment similar to that contemplated by this Agreement, except that any such claims, suits or proceedings relating to insurance claims, theft of service, or employment matters need not be disclosed;

- 8.4.4 Is financially solvent by submitting financial data including financial statements that are audited or reviewed by a certified public accountant who may also be an officer of the parent corporation along with any other data that Licensor may reasonably require; and
- 8.4.5 Has the financial and technical capability to enable it to maintain and operate the Network and Wireless Sites and WCFs for the remainder of the Term.
- 8.5 Licensee's Compliance with Terms. In seeking Licensor's consent to any change in ownership or control, Licensee shall indicate whether it has failed to comply with any material provision of this Agreement at any point during the term of this Agreement.
- 8.6 No Waiver. The consent or approval of Licensor to transfer by Licensee does not constitute a waiver or release of the rights of Licensor in or to its PROW, and any transfer shall by its own terms be expressly subject to the terms and conditions of this Agreement.
- 8.7 Agreement Binding. Any sale, transfer or assignment of this Agreement will bind the successor in interest to the terms of this Agreement. Upon notification to Licensor of any assignment permitted without Licensor's consent or upon receipt of Licensor's approval if required herein, Licensee will be relieved of all future performance, liabilities and obligations under this Agreement and/or the applicable Supplemental Site License to the extent of such assignment.
- 8.8 Pledge of Assets. Notwithstanding anything contained in this Agreement to the contrary, Licensee may pledge the assets of the Network and WCFs for the purpose of financing without Licensor's consent, provided that such pledge of assets shall not impair Licensee or mitigate Licensee's responsibility and capability to meet all its obligations under the provisions of this Agreement.
- 8.9 Intentionally Omitted

SECTION 9. MISCELLANEOUS

- 9.1 Severability. If any Applicable Law renders any provision of this Agreement invalid, the remaining provisions of the Agreement shall remain in full force and effect.
- 9.2 Force Majeure. Licensee shall not be deemed to be in default, non-compliance, or in violation of any provision of this Agreement where performance was hindered or rendered impossible by war or riots, civil disturbances, pandemics or epidemics, natural catastrophes or other circumstances beyond Licensee's control, provided Licensee took steps to mitigate damages and accepts responsibility to cure the default, non-compliance or violation in a manner and within a time period reasonably acceptable to Licensor.
- 9.3 No Waiver.
- 9.3.1 The failure of either party on one or more occasions to exercise a right or to require compliance or performance under this Agreement shall not be deemed to constitute a waiver of such right or a waiver of compliance or performance by such party,

unless such right or such compliance or performance has been specifically waived in writing.

- 9.3.2 Both Licensor and Licensee expressly reserve all rights they may have under Applicable Law to the maximum extent possible, and neither Licensor nor Licensee shall be deemed to have waived any rights they may now have or may acquire in the future by entering into this Agreement.
- 9.4 Attorney Fees. Should any dispute arising out of this Agreement lead to arbitration or litigation, the prevailing party in such action shall be entitled to recover its costs of suit, including (without limitation) reasonable attorneys' fees and expenses. Prevailing party means the party determined by the arbitrator or court to have most nearly prevailed even if such party did not prevail in all matters.
- 9.5 Change of Law. If any Applicable Law that governs any aspect of the rights or obligations of the parties under this Agreement shall change after the Effective Date and such change preempts compliance with or the enforcement of any aspect of such rights or obligations, then the parties agree to promptly amend the Agreement as reasonably required to accommodate and/or ensure compliance with any such legal or regulatory change; provided that such change does not alter any material rights previously granted to Licensee in any specific Supplemental Site License.
- 9.6 Notice. All notices that shall or may be given pursuant to this Agreement must be in writing and delivered by hand or (i) through the United States mail, by registered or certified mail, return receipt requested; (ii) by prepaid overnight delivery service; or (iii) by email transmission. If a hard copy of the same is delivered through the U. S. Postal Service or by overnight delivery service, it shall be delivered to the following addresses:

if to Licensor:

City of Glenwood Springs
101 W 8th Street
Glenwood Springs, CO 81601
ATTN: Public Works Director & City Clerk

with a copy to:

City of Glenwood Springs
101 W 8th Street
Glenwood Springs, CO 81601
ATTN: City Attorney

if to Licensee (including invoices):

New Cingular Wireless PCS, LLC
Attn: Tower Asset Group – Lease Administration
Re: Wireless Installations in ROW
(City of Glenwood Springs) (CO)
FA No.: 15432883
1025 Lenox Park Blvd NE, 3rd Floor
Atlanta, GA 30319

With a copy to the AT&T Legal Department:

New Cingular Wireless PCS, LLC
Attn: AT&T Legal Dept. - Network Operations
Re: Wireless Installation in ROW
(City of Glenwood Springs) (CO)
FA No: 15432883
208 S. Akard Street
Dallas, TX 75202-4206

Each party shall provide timely notice to the other of changes in the address for notification under this provision. Notice shall be deemed effective when received, refused or returned undelivered.

- 9.7 Representations and Warranties. Each party to this Agreement represents and warrants that it has the full right, power, legal capacity, and authority to enter into and perform its respective obligations hereunder and that such obligations shall be binding upon it without the requirement of the approval or consent of any other person or entity in connection herewith.
- 9.8 Amendment. This Agreement may not be amended except pursuant to a written instrument signed by both parties.
- 9.9 Other PROW Users. The parties understand and agree that Licensor permits other persons and entities to install utility facilities in the PROW. In permitting such work to be done by others, the Licensor shall not be liable to Licensee for any damage caused by those persons or entities.
- 9.10 Entire Agreement. This Agreement and all attachments hereto (including Supplemental Site Licenses) represent the entire understanding and agreement between the parties hereto with respect to the subject matter hereof, supersedes all prior oral negotiations between the parties, and can be amended, supplemented, modified or changed only by an agreement in writing which makes specific reference to this Agreement or the appropriate attachment and which is signed by the party against whom enforcement of any such amendment, supplement, modification or change is sought.
- 9.11 Laws Governing/Venue. This Agreement shall be governed by and construed in accordance with the laws of the State of Colorado, and applicable federal law. Venue for any proceeding brought pursuant to this Agreement shall be in the District Court located in Garfield County, Colorado.

- 9.12 No Third-Party Beneficiaries. This Agreement benefits only the parties hereto and their successors and permitted assigns. There are no third-party beneficiaries.
- 9.13 Counterparts; Electronic Signatures; Electronic Disposition. This Agreement may be executed in multiple counterparts, each of which constitutes an original hereof. Regardless of the number of counterparts, all shall constitute only one agreement. In making proof of this Agreement, it is not necessary to produce or account for more counterparts than are necessary to show execution by or on behalf of all parties. This Agreement may be executed and delivered by electronic signature by any of the parties and all parties consent to the use of electronic signatures. Furthermore, the original of this Agreement, including the signature page, may be scanned and stored in a computer database or similar device, and any printout or other output readable by sight, the reproduction of which is shown to accurately reproduce the original of this Agreement, may be used for any purpose as if it were the original, including proof of the content of the original writing.
- 9.14 Public Disclosure. Licensee acknowledges that this Agreement is public record within the meaning of the Colorado Open Records Act, C.R.S. § 24-72-202(6), and accordingly may be disclosed to the public.
- 9.15 Consents. To the extent either party is required hereunder to obtain the consent or approval of the other under this Agreement, such consent or approval shall not be unreasonably withheld, conditioned or delayed.
- 9.16 Waiver of Jury Trial. Each Party waives its right to a trial by jury on disputes arising from this Agreement.
- 9.17 Colorado Governmental Immunity Act. Nothing in this agreement shall be construed or interpreted to limit or waive the immunity to which the City is entitled under the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 et. seq., as amended.

[Signature page follows.]

*[Signatures on WIRELESS COMMUNICATIONS FACILITIES
MASTER LICENSE AGREEMENT.]*

IN WITNESS WHEREOF, and in order to bind themselves legally to the terms and conditions of this Agreement, the duly authorized representatives of the parties have executed this Agreement as of the Effective Date.

LICENSOR:

CITY OF GLENWOOD SPRINGS, COLORADO

APPROVED AS TO SUBSTANCE:

By: _____

Jonathan Godes, Mayor

APPROVED AS TO FORM

BY: _____

Karl Hanlon, City Attorney

LICENSEE:

NEW CINGULAR WIRELESS PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation

Its: Manager

By: _____

Name: _____

Its: _____

Date: _____

EXHIBIT A

SUPPLEMENTAL SITE LICENSE

This Supplemental Site License, made this ____ day of _____, 20__ (“Effective Date”) between the City of Glenwood Springs, Colorado, hereinafter designated “Licensor,” and NEW CINGULAR WIRELESS PCS, LLC, a Delaware limited liability company, hereinafter designated “Licensee”:

1. **Supplemental Site License.** This is a Supplemental Site License as referenced in that certain Wireless Communications Facilities Master License Agreement in connection with the operation of Licensee’s Network, between Licensor and Licensee dated _____, 20__ (the “Agreement”). All of the terms and conditions of the Agreement are incorporated herein by reference and made a part hereof without the necessity of repeating or attaching the Agreement. In the event of a contradiction, modification or inconsistency between the terms of the Agreement and this Supplemental Site License, the terms of this Supplemental Site License shall govern. Capitalized terms used in this Supplemental Site License shall have the same meaning described for them in the Agreement unless otherwise indicated herein.

2. **Project Description and Locations.**

☐ (a) Licensee shall have the right to use the Licensor-owned poles or structures at the designated areas in the ROW as further described in **Exhibit A-1** attached hereto (the "Licensed Area"); OR

☐ (b) Licensee shall have the right to place its own equipment at the designated areas in the ROW as further described in **Exhibit A-1** attached hereto (the "Licensed Area"); OR

☐ (c) Licensee shall have the right to place its own equipment on third-party owned poles that are located within the ROW as further described in **Exhibit A-1** attached hereto (the "Licensed Area").

3. **WCF Equipment.** The equipment to be installed at the Licensed Area is described in **Exhibit A-1** attached hereto.

4. **Term.** The term of this Supplemental Site License shall be as set forth in Section 2.3 of the Agreement.

5. **Fees.** If the Supplemental Site License is for attaching to Licensor-owned poles or structures or installing equipment in the PROW, Licensee shall pay an annual access fee (“Site Access Fee”) of \$270. The annual fee due hereunder shall increase by 2% per annum over the Site Access Fee rate due during the immediately preceding year.

6. **Commencement Date.** The commencement date of this Supplemental Site License is the first day of the month following the date Licensee has commenced installation of its WCFs at the Wireless Site.

Exhibit A- Supplemental Site License

7. Approvals. It is understood and agreed Licensee's ability to use the Wireless Site is contingent upon successful completion of all conditions stated in any Wireless Site approval issued by the City and upon Licensee's obtaining all of the certificates, permits and other approvals (collectively the "Governmental Approvals") that may be required by any federal, state or local governmental authorities, including permits that may be required by the City of Glenwood Springs. In the event that (i) any of such applications for such Governmental Approvals should be finally rejected; (ii) any Governmental Approval issued to Licensee is canceled, expires, lapses, or is otherwise withdrawn or terminated by governmental authority; (iii) Licensee determines that such Governmental Approvals may not be obtained in a timely manner; or (iv) Licensee determines one or more licensed Wireless Sites is no longer technically compatible for its use, Licensee shall have the right to terminate all or part of this Supplemental Site License. Notice of Licensee's exercise of its right to terminate shall be given to Licensor in writing by certified mail, return receipt requested, and shall be effective upon the mailing of such notice by Licensee, or upon such later date as designated by Licensee. All fees paid to said termination date shall be retained by Licensor. Upon such termination, all or part of this Supplemental Site License, as applicable shall be of no further force or effect except to the extent of the representations, warranties and indemnities made by each party to the other hereunder and in the Agreement. Otherwise, Licensee shall have no further obligations for the payment of any Site Access Fee to Licensor.

EXECUTED to be effective as of the date shown above.

LICENSOR:

CITY OF GLENWOOD SPRINGS, COLORADO

APPROVED AS TO SUBSTANCE:

By: _____

APPROVED AS TO FORM

BY: _____
Karl Hanlon, City Attorney

LICENSEE:

NEW CINGULAR WIRELESS PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation

Exhibit A- Supplemental Site License

Its: Manager

By: _____

Name: _____

Its: _____

Exhibits:

Exhibit A-1

Exhibit A-1

**Licensee Plans, Licensed Area, and Description of Licensor Facilities/Equipment to
be Installed as Approved by Licensor**



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Resolution 2022-31; Department of Local Affairs Grant for Partial Funding for Phase I of South Bridge
Action Requested:	Approval of Resolution 2022-31
Department:	Engineering
Presented By:	Terri Partch
Strategic Goals:	Ensure Public Safety
Background Info:	This Department of Local Affairs Grant will provide \$750,000 toward the construction of the first phase of the South Bridge project. The first phase includes the lowering of the Rio Grande trail to allow the future Airport Road connection to SH 82. The project will construct a box culvert to lower the trail, roadway embankment, utilities, lighting and drainage. Should we receive the grant, construction of this phase would begin in the spring of 2024.
Issues:	The current estimate for the total work, including design and construction management, is \$3,912,967. Senator Hickenlooper's office has approved a \$1,000,000 earmark toward the construction of the project. The balance of the match for the Phase I project will be through the United States Department of Transportation Rural Surface Transportation Grant, expected to be announced this fall.
Fiscal Impact:	None.
Legal Review:	
Staff Recommendation:	Approve the DOLA grant Resolution 2022-31

City of Glenwood Springs South Bridge Rio Grand Trail Pedestrian Underpass

City of Glenwood Springs

Proj Code/No.

Prepared By: MDL

.Jacobs Proj No

Date: 4/6/2022

Project Limits: South Bridge Rio Grande Trail Pedestrian Underpass

Conceptual Estimate

ITEM NUMBDER	ITEM	UNIT	PRICE	QUANTITY	AMOUNT
201-00000	Clearing and Grubbing	LS	\$7,500.00	1	\$7,500.00
202-00220	Remove Asphalt Mat (3 Inch)	SY	\$10.00	1,700	\$17,000.00
203-00000	Unclassified Excavation	CY	\$25.00	1,200	\$30,000.00
203-00060	Embankment Material (CIP)	CY	\$40.00	12,400	\$496,000.00
206-00000	Structure Excavation	CY	\$25.00	813	\$20,325.00
206-00100	Structure Backfill (Class 1)	CY	\$50.00	2,665	\$133,250.00
206-00360	Mechanical Reinforcement of Soil	CY	\$35.00	552	\$19,320.00
420-00000	Geomembrane	SY	\$12.45	795	\$9,897.75
504-04420	Precast Panel Facing	SF	\$60.00	3,173	\$190,380.00
512-00042	Pedestrian Railing (42 Inch)	LF	\$225.00	326	\$73,350.00
515-00400	Concrete Sealer	SY	\$14.32	287	\$4,109.84
601-03050	Concrete Class D (Wall)	CY	\$1,200.00	220	\$264,000.00
601-04550	Concrete Class G	CY	\$1,000.00	53	\$53,000.00
602-00020	Reinforcing Steel (Epoxy Coated)	LB	\$1.36	69,922	\$95,093.92
603-01185	Reinforced Concrete Pipe 18 Inch (CIP)	LF	\$105.00	240	\$25,200.00
604-00305	Type C Inlet (5 ft)	EA	\$4,500.00	4	\$18,000.00
604-22005	Vane Grate Inlet (5 FT)	EA	\$5,500.00	2	\$11,000.00
605-00040	4 Inch Perforated Pipe Underdrain	LF	\$45.00	416	\$18,720.00
606-10900	Bridge Rail Type 9	LF	\$300.00	89	\$26,700.00
608-00006	Concrete Sidewalk (6 Inch)	SY	\$75.00	680	\$51,000.00
613-00200	2 Inch Electrical Conduit	LF	\$16.00	500	\$8,000.00
613-xxxxx	Strip Light with Recessed Channel	LF	\$150.00	156	\$23,400.00
621-00450	Detour Pavement	SY	\$65.00	2,000	\$130,000.00

Construction Bid Items (2022) \$ 1,725,247

Construction Bid Items Escalation (3.5% Inflation Y/oY to 2023) \$ 1,785,630

	% Range of Cost	% Used	Cost	
Project Construction Bid Items (From Above)			\$ 1,785,630	(A)
Bid Item Contingencies	(5%-25%) OF (A)	25.00%	\$ 446,408	(B)
SWMP/Erosion Control	(3-10%) OF (A)+(B)	5.00%	\$ 111,602	(C)
Drainage/WQ	(3-10%) of (A)+(B)	5.00%	\$ 111,602	(D)
Final Signing and Striping	1 to 5% of (A)+(B)	0.00%	\$ -	(E)
Construction Signing & Traffic control	5 to 25% of (A)+(B)	4.00%	\$ 89,282	(F)
Mobilization	4 to 10% of (A)+(B)+(C)+(D)+(E)+(F)	10.00%	\$ 254,452	(G)
Total of Construction Bid Items	(A)+(B)+(C)+(D)+(E)+(F)+(G)+(H)	-----	\$ 2,798,975	(H)
Force Account - Misc.	3 to 10% of (H)	10.00%	\$ 279,898	(I)
Utilities	4 to 15% of (I)	10.00%	\$ 279,898	(J)
Total of Construction Cost	(I)+(J)+(K)	-----	\$ 3,358,770	(K)
Construction Engineering, CE + Town Indirects	15% of (H)	15.00%	\$ 419,846	(L)
Design Engineering and NEPA (Consultant)	6 to 12% of (K)	4.00%	\$ 134,351	(M)
Right-of-way	LS		\$ -	(N)
Total Project Cost			\$ 3,912,967	(O)

RESOLUTION 2022 - 31

A RESOLUTION OF THE CITY COUNCIL OF GLENWOOD SPRINGS, COLORADO, SUPPORTING AN ENERGY AND MINERAL IMPACT ASSISTANCE FUND GRANT APPLICATION TO THE DEPARTMENT OF LOCAL AFFAIRS AND THE ACCEPTANCE AND APPROPRIATION OF ANY GRANT FUNDS AWARDED

WHEREAS, the City of Glenwood Springs is a political subdivision of the State of Colorado, and therefore an eligible applicant for a grant awarded by the Colorado Department of Local Affairs (“DOLA”); and

WHEREAS, the City of Glenwood Springs intends to submit a \$750,000 Grant Application to DOLA to complete an initial construction phase of the South Bridge project, which will include lowering the Rio Grande Trail to allow for the new road connection between the South Bridge and Highway 82; and

WHEREAS, the City will provide a match of \$1,912,967 for the grant application; and

WHEREAS, the City Council strongly supports the need for a new South Bridge connection that will provide additional capacity for SH 82, establish a life-saving evacuation route, and facilitate housing production.

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.

Section 2. The City strongly supports the DOLA EIAF Grant and plans to match the grant with \$1,912,967 from the pending U.S. DOT Rural Surface Transportation grant for the Project, if awarded.

Section 3. The City Council of the City of Glenwood Springs will authorize the expenditure of funds necessary to meet the terms and obligations of any grant awarded pursuant to a Grant Agreement with the Department of Local Affairs.

Section 4. If a grant is awarded, the City Council of the City of Glenwood Springs hereby authorizes the Mayor or Mayor Pro Tem to sign a Grant Agreement with DOLA.

INTRODUCED, READ, AND PASSED THIS ____ DAY OF AUGUST 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Resolution 2022-32; Application for Federal Mineral Lease District Mini Grant by the Police Department for a Drone
Action Requested:	Approval to submit application for mini grant
Department:	Police Department
Presented By:	Bill Kimminau
Strategic Goals:	Ensure Public Safety
Background Info:	The police department is submitting an application for a grant to purchase a drone for up to \$25,000.
Issues:	None
Fiscal Impact:	None
Legal Review:	NA
Staff Recommendation:	Submittal of grant application



Fall 2022 Grant Cycle

Dear Applicant:

Attached please find the Fall 2022 Garfield County Federal Mineral Lease District (GCFMLD) Grant Application.

The GCFMLD is an independent public body, not an agency of county or state government, whose powers are defined by the Colorado Federal Mineral Lease District Act. The GCFMLD has distributed over \$29.2 million since our first grant cycle in the Spring of 2012.

State and federal law specify that FML funds may only be used by the state, or its political subdivisions, for (1) planning, (2) construction and maintenance of public facilities, or (3) provision of public services. *See* 30 U.S.C. §191. *See also* § 34-63-102(1)(a)(I) C.R.S. (2021). The GCFMLD does not grant funds to corporations, whether for-profit or non-profit.

The quality of your project and application, your compliance with our program rules and guidelines, and your alignment with our mission all matter to us. These are also factors in determining the **GCFMLD's 2022 Grantee of the Year Award**, a \$10,000 award announced at our annual awards luncheon in January, 2023.

*Please review the Frequently Asked Questions section of our website, www.colorado.gov/gcfmld. Be sure to number and restate in full the language of all Selection Criteria Questions. **Please see General Instructions 5 and 6 (deliver your original application plus four copies, all three-hole punched, all prior to the August 31, 2022, noon deadline.)***

Thank you, and we again look forward to working with you!

Sincerely,

GARFIELD COUNTY
FEDERAL MINERAL LEASE DISTRICT
BOARD OF DIRECTORS

A handwritten signature in blue ink, appearing to read "Gregg Rippey".

Gregg Rippey
President

A handwritten signature in blue ink, appearing to read "Steve Rippey".

Steve Rippey
Secretary

A handwritten signature in blue ink, appearing to read "Mike Samson".

Mike Samson
Director



FALL 2022 GARFIELD COUNTY FEDERAL MINERAL LEASE DISTRICT GRANT APPLICATION

MISSION STATEMENT

*The Garfield County Federal Mineral Lease District, expeditiously
and through sound financial practices,*

*alleviates the social, economic, and public finance impacts resulting
from the development of natural resources on federal lands within
Garfield County;*

*distributes the financial resources it receives from federal mineral
leasing activities through grants to communities impacted by the
development of natural resources; and*

*serves the Citizens of Garfield County by providing the greatest use of
these financial resources for the greatest number of Citizens.*

PROGRAM DATES

Applications Available: **August 4, 2022, 8 a.m.**

Applications Due at GCFMLD by: **August 31, 2022, noon**

Board Decision (Awards)*: **October 12, 2022**

**Fully Executed Grant Agreements
(recipients only) due at GCFMLD: November 16, 2022, noon**

**The District Board reserves the right to take whatever time is necessary to make its final
determinations.*

General Instructions

- 1) The GCFMLD grant process is competitive. We expect to receive requests in excess of available funding. Here are tips that will support the success of your application:
 - Contact us at any point while completing your application at info@garfieldfmlld.org. We will do our best to answer your questions.
 - Thoroughly review the information on eligibility to ensure your proposal meets all requirements.
 - Review the entire application prior to beginning work on it.
 - Review your application completely before submitting it to the GCFMLD.
- 2) Applications **MUST BE RECEIVED** by the GCFMLD **prior to noon on Wednesday, August 31, 2022**, at the following address:

Via Regular Mail:

**Garfield County Federal Mineral Lease District
ATTN: Fall 2022 Grant Cycle
P.O. Box 2477
Glenwood Springs, CO 81602-2477**

Via FedEx or Hand-Delivery:

**Garfield County Federal Mineral Lease District
ATTN: Fall 2022 Grant Cycle
817 Colorado Ave., Suite 201
Glenwood Springs, CO 81601**

LATE APPLICATIONS WILL NOT BE CONSIDERED.

- 3) Eligible applicants for the Fall 2022 Grant Cycle may submit a maximum of two applications. An eligible applicant may submit only one application under the Traditional Grant Program and only one application under the Mini Grant Program.
- 4) If submitting more than one application, use one envelope per application and clearly indicate (label recommended) on the exterior of the envelope (1) the entity submitting the application and (2) the grant program for which the application is submitted.
- 5) Please provide one (1) original application and four (4) additional, complete copies of your application. Please clearly identify the original.
- 6) The original application and all four (4) copies must be three-hole punched.

General Instructions

- 7) In addition to the specific guidance with respect to page counts and reference letters found elsewhere in this application, the total page count of your entire submittal may not exceed 25 pages for the Traditional Grant Program and 15 pages for the Mini Grant Program. You must verify the total page count of your submittal on your project description document.
- 8) No cover letters or Tables of Contents are accepted. Cover letters and Tables of Contents submitted with applications will be discarded and not considered by the GCFMLD.
- 9) Applications that are bound and those that use dividers or tabs that prevent the GCFMLD from easily handling the applications will be rejected. Do not bind your application or use dividers or tabs.
- 10) No double-sided printing is accepted.
- 11) This application consists of three sections. Section 1 contains instructions for filling out the various parts of the application and completing the attachments (budget, timeline, etc.). Section 2 is the application form itself. Section 3 contains samples of the required attachments. The final application you submit to the GCFMLD will include:
 - Completed and Signed Summary Form
 - Responses to Selection Criteria Questions (with appropriate attachments such as maps, photos, up to five support letters, and the like)
 - Completed Budget Form
 - Completed Timeline Form
 - Resolution of Support from Governing Body
 - Draft Intergovernmental Agreement, if applicable
- 12) Grant applications will be evaluated first on compliance with eligibility requirements and then on responses to the selection criteria. The GCFMLD has tentatively scheduled **October 12, 2022**, as the date for announcing awards for this grant cycle, but reserves the right to modify this date as needed.
- 13) The GCFMLD reserves the right to fund applications in whole, in part, or not at all, and reserves the right to reject any or all applications.
- 14) All materials or statements (via www.Colorado.gov/gcfmld, written, oral, or otherwise) issued by the GCFMLD in conjunction with the Fall 2022 Grant Cycle are limited to the Fall 2022 Grant Cycle.
- 15) Review the Frequently Asked Questions (FAQ) on the GCFMLD website: www.Colorado.gov/gcfmld.
- 16) The GCFMLD reserves the right to issue or not issue supplemental statements regarding these Instructions or any aspect of its grant programs on an as needed basis.

General Instructions

- 17) The GCFMLD reserves the right to perform any and all due diligence that may be required in the discharge of its statutory obligations. Applicants may be required to provide additional information on request, to participate in a pre-award interview, to make premises the subject of grant applications available for a site visit or other inspection, and the like.
- 18) All grants may be subject to de-authorization in whole or in part if actual project costs, a change in project scope, or both as presented in the application would cause GCFMLD funding, under the Traditional Grant Program, to rise above 70% of total project cost.
- 19) The GCFMLD complies with the provisions of 30 U.S.C. § 191, as amended, § 34-63-102(1)(a)(I) C.R.S. (2021), § 13-20-1301 et seq, as amended, C.R.S. (2021), and all applicable state and federal laws. The GCFMLD does not discriminate in any manner.
- 20) **Open Records.** Applications and all materials submitted to the GCFMLD may be subject to disclosure pursuant to the Colorado Open Records Act.

Section 1 - Instructions

1. **Eligible Applicants.** As political subdivisions of the state, municipalities, school districts, public and state-controlled institutions of higher education, library districts, metropolitan or other special districts, transportation authorities, governmental entities formed under § 29-1-203(4) C.R.S. (2021), and fire protection districts are eligible applicants under 30 U.S.C. §191. For-profit, private sector entities are not eligible. Non-profit corporations are not eligible. Individuals or for-profit entities seeking to start a business or expand an existing business are not eligible. *See also:* www.Colorado.gov/gcfmld, FAQs, governments related to / created by other local governments.
2. **Eligible Projects.** Under federal law, projects *must* be one of the following three types: (1) planning, (2) construction and maintenance of public facilities, or (3) provision of public services. *See* 30 U.S.C. §191. *See also* § 34-63-102(1)(a)(I) C.R.S. (2021). No other project types are acceptable. These requirements pertain to all applications in all grant programs.
3. **Budget, Costs, and Matching Requirements.** In its Traditional Grant Program, the GCFMLD will not fund more than 70% of the proposed project's eligible costs up to \$1,000,000. A **minimum of 10%** of the total project costs must be a **cash match** from the applicant and/or partners. Applicants may use design, survey, and engineering expenses paid within two years prior to the application due date (proof required) to fulfill non-cash matching requirements. More detailed information about the budget, eligible costs, and matching, appears elsewhere in these Instructions. In the Mini Grant Program, the maximum grant award is \$25,000, and no match, cash or otherwise, is required.
4. **Special Considerations for Planning Grants.** The GCFMLD will fund no more than 50% of an application in the Traditional Grant Program submitted primarily for planning projects ("Planning Grants"). In addition, a 50%, cash-only match is required, and the 50% cash match must be the first money expended on the project. A planning project so-funded must be completed within 12 months of the award date of the grant. The Mini Grant Program may not be used to fund any Planning Grants.
5. **Grant Request Amounts.** Under the Traditional Grant Program, the maximum grant request for a grant from the GCFMLD is \$1,000,000, and there is no maximum for the total project cost. The maximum grant request under the Mini Grant Program is \$25,000.
6. **Timeline.** Work on the proposed project may not begin until after the grant has been awarded. The timeline, therefore, should begin no sooner than the Board decision date, now estimated as **October 12, 2022**, although the Board reserves the right to adjust this date as needed. Grantees in the Traditional Grant Program are allowed up to two years from the award date for completion of the project, and up to one year in the Mini Grant Program, except all Planning Grant projects must be completed within one year. Applicants in both programs shall identify a "no later than" start date for every project.

Section 1 - Instructions

7. **Property Ownership.** All property on which GCFMLD-funded projects are located must be owned by or under control of the applicant. If the property is owned by a third party, an Intergovernmental Agreement or other contract between the applicant and the property owner will be required for this application.

8. **Eligible and Ineligible Costs.** The following table provides sample eligible and ineligible costs for a GCFMLD project. These are examples only - *not all eligible and ineligible costs are listed here*. Eligibility determinations are in the sole discretion of the GCFMLD.

Section 1 - Instructions

ELIGIBLE COSTS (including but not limited to)	INELIGIBLE COSTS (including but not limited to)
New public works.	Applicant staff time that would have otherwise been paid. No FML funds may be used to reimburse applicant staff time under any circumstances.
New capital projects.	Wages, salary, or benefits for personnel not directly or specifically working on this project. No overtime.
Replacement or repair of public works.	Real property or interests in real property to include right of way acquisition, easements, appraisals, licenses, etc. But see “Land” Section 11 below.
Replacement or repair of other capital projects.	Expenses whose primary association is economic development.
Parks, trails, and other recreational facilities.	Non-fixed assets.
Services or programs of an ongoing or temporary nature that address health, safety, and welfare impacts from federal mineral leasing activities, including animal control, education, emergency services, protective services, recreation, social services, transportation, etc.	Operations and maintenance, deferred maintenance, staff time for operations and maintenance.
Expenses associated with on-the-ground Project Management.	Work completed prior to grant award or official project start date.
100% of architectural, engineering and design costs can be used as match. See paragraph 3.	Administrative costs (fundraising, photo copies, mileage, food and drinks, clothing, grant writing, etc.).
	Unnecessary or ill-considered expenses.
	Legal fees arising out of litigation or otherwise unrelated to project itself.
	In kind donation of a service normally provided at no cost (board member’s time, volunteer service, community service, etc.).
	Marketing, sales, and promotion costs not directly related to and necessary for the project.
	Expense allowances.
	Finance charges, late fees, and the like.

9. **Matching Requirements.** All matching resources must be eligible costs (e.g. administrative costs, such as staff time or mileage, cannot be paid for by the GCFMLD, or used as a match). In its Traditional Grant Program, the GCFMLD will not fund more than 70% of the proposed project’s eligible costs. In other words, of all the resources required to complete the proposed project, including the requested GCFMLD grant, a minimum of 30% must come from sources other than GCFMLD. Although total matching resources may be either cash or in-kind (see In-Kind Contributions below), a minimum of 10% of the total project costs must be a cash match from the applicant. In no case can funds set aside

Section 1 - Instructions

for contingency or borrowed funds (e.g. construction loans) be used to fulfill the matching requirement. No cash match is required under the Mini Grant Program. For all grants submitted primarily for planning projects (Traditional Grant Program only), the GCFMLD will fund no more than 50% of that project; a 50% cash-only match is required; and the 50% cash match must be the first money expended on the project. Applicants may use design, survey, and engineering expenses paid within two years prior to the application due date (proof required) to fulfill non-cash matching requirements. **Note:** if an applicant represents a higher match percentage than required (e.g. 40% instead of 30% in the Traditional Grant Program), AND if the actual project costs are less than the budget as first submitted, the Board in making its grant award reserves the right to apply the match percentage as originally represented.

10. **In-Kind Contributions.** In-kind contributions may include donated quantifiable professional services, materials and supplies, equipment, etc. Under no circumstances is an applicant's staff time considered as an in-kind contribution. Any cost that would be eligible for GCFMLD funding but that is donated or discounted can count as an in-kind contribution. To count as eligible in-kind, the applicant would have reasonably been expected to otherwise pay the provider for the goods or services. Examples of eligible in-kind contributions include a discounted rate from a contractor (for example, if the contractor typically charges \$100 per hour but charges you only \$90 per hour, the \$10 per hour difference is an in-kind contribution) and donation of professional services, such as design, planning, engineering, or architectural services. Volunteer time or non-quantifiable, non-professional time **may not** be used as an in-kind contribution.
11. **Land.** GCFMLD funding may not be used to purchase real property or interests in real property, including fee title, right of way acquisition, easements, appraisals, licenses, etc. You may, however, use the value of land **purchased** specifically for the purpose of this project as a cash match if it is purchased within three years of the grant decision date. You may use the value of land **donated** specifically for the purpose of this project as an in-kind match if it is donated within three years of the grant decision date. Both instances will assist in satisfying matching requirements only when the land will be developed for the GCFMLD eligible uses. To document the property's value, you must submit the summary form or other relevant portions of a qualified appraisal. The summary form or other appraisal excerpts must include: (1) the identity of the appraiser, (2) the effective date of the appraisal, (3) a description of the property being appraised (by street address, legal description, or other relevant descriptor), and (4) the property's appraised value. The GCFMLD may request additional information and/or the entire appraisal and reserves the right to have the appraisal reviewed by a GCFMLD-designated review appraiser to determine compliance with accepted appraisal standards. The value of the land used to meet the matching requirements may only be used one time. Land donations from one government entity to another **cannot** be used as match.

Section 1 - Instructions

12. **Budget Form.** Complete and submit the Budget Form, using the Sample Budget as a guide. Be sure to double check that the calculations presented in the budget are accurate and mirror the figures presented in the narrative. Make sure that the total Sources of Funds matches the total Use of Funds. Here are some tips for completing the budget form:

A. **Source of Funds (Traditional Grant Program only):**

- i. **Cash.** List each funding source on separate rows within the Excel sheet. Indicate the individual contribution amounts, either under the applicant column or the partner column, whichever applies. Be sure to include the GCFMLD grant request under the appropriate column.
- ii. **In-kind.** List each in-kind contributor on separate rows within the Excel sheet. Indicate the in-kind contribution amount under the appropriate column (applicant or partner). Documentation from in-kind providers stating the value/cost of their service/equipment/materials through letters, invoices, etc. is recommended.

B. **Use of Funds:**

- i. **Cash.** Organize your project into budget categories. The number and types of categories will vary from project to project and do not have to mirror those categories represented on the Sample Budget.

- C. Once the budget categories have been determined, provide a breakdown of each category by detailing the work required and the vendor or service provider associated with that work. When applicable, each line item should include the number of units for purchase, and the cost per unit.

- D. Estimated values of services, materials and equipment may be derived from pay scales, standard prices, standard rental rates, etc. Applicants may be asked to provide additional information to support the valuation listed.

13. **Grant Agreements, Reimbursement Model.** All Grantees will be required to enter into a Grant Agreement with the GCFMLD. All grants in all programs are funded solely on a reimbursement basis as set forth in the Grant Agreement. No grant award is final until the Grant Agreement has been fully executed by the Grantee and the GCFMLD. The Grantee's Grant Application and these instructions are incorporated into the Grant Agreement as material terms.

14. **Material changes and substitutions.** Applicants must notify the GCFMLD immediately of any and all material changes to their applications occurring prior to the anticipated Board decision date. Once an application is submitted, no substitution of applications is permitted in either grant program. An applicant can only withdraw an application, not substitute an alternative.

Section 1 - Instructions

15. **Increases in Project Costs.** Once a Traditional Grant or Mini Grant has been awarded, the grant amount cannot be increased, so any increases in the project cost must be covered with matching funds. If the cost of the project goes down, or if the project scope is reduced, the grant may be reduced proportionately.
16. **Timeline.** The purpose of the Timeline is to encourage you to think about the various components of your project, the activities required to complete them, and how to fit all of them into the two-year deadline for the Traditional Grant Program (one-year for Mini Grants). The GCFMLD staff and outside peer reviewers may analyze your proposed timeline to ensure it includes the various tasks that our experience tells us should be part of your project and to see if it's reasonable given the scope of the project and the time allotted to complete it.
- A. Complete the Timeline Form using the Sample Timeline as a guide. Remember that the project is to be completed within two years of the award date (Traditional) or within one year (Mini Grant). Applicants in both programs shall identify a “no later than” start date and description for every project.
 - B. The GCFMLD encourages applicants to allow adequate time to complete the proposed project, so please be realistic about how long you think each task will take.
 - C. Extensions of up to 90 days may be awarded by GCFMLD staff. Longer extensions are heavily discouraged and are in the exclusive discretion of the GCFMLD Board of Directors.
17. **Resolution from Governing Body.** The GCFMLD requires a signed resolution from the applicant's governing body to ensure that the applicant's ultimate decision-makers are aware of and support the application and recognize the financial and other obligations the grant creates. Your application must include a signed resolution from your governing body, attested to by your clerk or secretary. Use the Sample Resolution in Section 3 as a guide. The resolution must include:
- A. **Support for the proposed project:** A statement expressing the governing body's support for the grant application, and if awarded, support for completion of the project.
 - B. **Recognition of Need to Provide Matching Funds:** For applications made under the Traditional Grant Program, acknowledge that the applicant is responsible for providing the matching funds shown in the budget and must either appropriate or secure the necessary matching funds to complete the project as presented in the application. If the grant is awarded, the applicant is responsible for the expenditure of funds required to meet the terms and obligations of the grant agreement and application.

Section 1 - Instructions

- C. **Maintenance Capability**: If relevant to the nature of the grant request, a statement verifying that the proposed project will be properly maintained after completion. An estimate of the annual maintenance cost from the entity responsible for maintaining the project must be included.
 - D. **Status of Property**: If relevant to the nature of the grant request, a statement verifying that the property being used for the proposed project will be under control of the applicant (or project partner) for at least 25 years.
 - E. **Grant Agreement**: A statement that authorizes a designated official to sign the Grant Agreement with the GCFMLD if the grant is awarded.
 - F. Please feel free to revise the Sample Resolution to fit your particular jurisdiction's requirements, customs, etc. for resolutions.
18. **Responsibilities post-award.** Successful applicants (Grantees) have responsibilities related to publicity and public relations including providing the GCFMLD with photographs before, during, and after the Project and maintaining GCFMLD signage on site, where appropriate, as detailed in the Grant Agreement.
19. **Joint Applications.** Applicants are reminded, if not encouraged, to consider filing joint applications and collaborating on projects of mutual and community benefit.
20. **Support for Others.** No applicant will have its own application considered differently by virtue of that applicant providing letter(s) of support for the application(s) of other applicant(s). In other words, by helping others, you will not be hurting yourself.
21. **Instructions.** All applicants must comply with these instructions and the General Instructions.

ADOBE USERS: THE APPLICATION SUMMARY FORM THAT FOLLOWS MAY BE FILLED OUT ONLINE AND PRINTED. ALL OTHER PAGES OF THE INSTRUCTIONS AND APPLICATION ARE IN TRADITIONAL .PDF FORMAT AND MUST BE PRINTED.

Section 2 – Application – Summary Form

APPLICANT INFORMATION	
Entity Name:	
Mailing Address:	
Applicant Contact Name:	Title:
Are you the primary contact for this grant: ☐ YES ☐ NO	
Email:	
Telephone:	
Do you currently have an open GCFMLD grant? ☐ YES ☐ NO	
If yes, provide your grant number(s):	

PROJECT INFORMATION	
Application Type (check only one):	
☐ Traditional Grant Application ☐ Mini Grant Application	
Project Title:	
Project described herein will start no later than (mm/dd/yyyy):	
Impacted Community(ies):	
City (location of project, including cross streets):	
Traditional Grant Request (not to exceed \$1,000,000):	
Total Project Cost:	
Percent of overall match (% of total project cost) (example 40% type .40):	0.00%
Percent of cash match (% of total project cost) (example 20% type .20):	0.00%
* Round all figures to whole dollar amounts.	
Mini Grant Request (not to exceed \$25,000):	
Total Project Cost:	
Note: No match required.	

Section 2 – Application – Summary Form

Brief Project Description (In a separate document, answer the three questions below in a total word count of 250 words (250 total, not 750) or less:)

- What is the proposed project, including all components?
- Explain how your project is consistent with the Mission Statement of the GCFMLD.
- How will your project benefit communities impacted by the development of natural resources locally?
- **Please specify word count on project description document.**
- **Please verify page count of your submittal on project description document.**

APPLICATION CHECKLIST

Submit this application with the following required documents in the following order:

- ☐ Response to Selection Criteria Questions (narrative, on your own paper)
- ☐ Budget
- ☐ Preliminary Timeline Estimate
- ☐ Draft Intergovernmental Agreement, if applicable
- ☐ Signed Resolution from Governing Body
- ☐ Attachments to Selection Criteria:
 - Map(s) identifying the project location (Using Google Earth or Google Maps)
 - Site map
 - Up to five letters of support
 - Photos of existing public works or capital projects to be replaced, if applicable
 - Documentation of any opposition to the project, if applicable

By signing below, the applicant certifies that it owns, leases, or otherwise has control over the property on which this project will be completed (collectively, "Control"). Applicant has on file documentation evidencing its Control of the property and will provide such documentation to GCFMLD on request. The Applicant hereby certifies and warrants that any and all statements and representations including all sources and uses of funds made in this Grant Application are true and correct and may be relied upon by the GCFMLD.

Authorized Signature: _____ Date: _____
(From applicant organization) (mm/dd/yyyy)

Printed Name and Title: _____

Section 2 – Application – Summary Form

Official form of the GCFMLD. Do not alter or change this form in any manner. Submittals not using official forms or using altered forms may be returned without notice.

Traditional Grant Program. All applicants for the Traditional Grant Program must respond to the following selection criteria questions in no more than nine pages. Applications will be scored on a weighted average. All questions are scored at up to 5 points each, but Questions 1-6 are weighted at 60%, Questions 7-20, at 40%. The nine-page limit does not include the proposed budget, attachments, photographs, maps, letters, etc., but the total page count for your entire submittal may not exceed 25 pages.

In a separate document, please answer every question, numbering and restating in full the question you are answering. You must answer all questions. Failure to provide a response to any question will reduce your score. Please reference all attachments. Twelve-point font or greater and standard margins (1" top, bottom, left, and right) required. No double-sided printing.

General Questions

1. Under federal law, your proposal *must* be one of the following three types: (1) planning, (2) construction and maintenance of public facilities, or (3) provision of public services. Describe the scope of the project – what exactly will be built. Be specific, explaining preparatory work, quantities, dimensions, etc. If the project is intended to enhance, rehabilitate, or replace existing public works or other capital projects, describe the state of the existing public works or other capital projects.
2. Explain how this project is one that would improve a community impacted by the development of natural resources.
3. Describe the community/neighborhood the project will serve.
4. Explain how this project is one that will reduce or alleviate social, economic, or public finance impacts resulting from the development of natural resources.
5. Please describe how this project will help the GCFMLD achieve its mission and specifically how granting your request will provide the greatest use of our resources for the greatest number of persons.
6. Describe the demand for your proposal in detail and any ramifications if the project is not funded.

Funding

7. Describe the status of confirmed and potential funding sources including all applications previously submitted to other organizations requesting funding and the dates that which those funds are to be awarded. Please update the GCFMLD regarding the award (awarded or not) of other financial sources as they are confirmed.
8. Provide a summary of and the individual commitment letters from those partners who have already committed cash or non-cash equivalents as funding for this project.
9. Is this project dependent upon receiving funding from the GCFMLD? What additional sources of funding not listed above could be utilized for this project?
10. Does this project require ongoing operational funding? If so, please describe the estimated funding amounts and the sources to fund this ongoing need.

Section 2 – Application – Selection Criteria Questions

11. Is this project part of an existing, established program or partnership? If so, please describe its accomplishments to date as they relate to the GCFMLD's mission as well as the partners involved.
12. How much of your planned cash match is secured? How much of it is yet to be raised, and what are your plans for raising those additional funds? What is your "Plan B" if you are unable to raise those funds?
13. What is the plan to fund future management and/or operating costs of your project? If this project requires multi-phase applications and related approvals, describe other sources of funding other than from the GCFMLD in case this project does not receive future awards.

Additional Questions

14. Please provide letters of support from local governments that are expected to benefit from this project. These letters must be on official letterhead of the entity signed by an authorized signatory.
15. Who is supporting the project? Describe in summary and provide copies of all other additional support letters for this project including letters from individuals, community groups, newspaper articles, petitions, etc. Support letters/emails must be included with the application *and will not be accepted or considered by the GCFMLD if delivered in any other way*. In answering Questions 14 and 15, you may submit no more than five such letters total. Example: 1 letter for Question 14 and 4 letters for Question 15.
16. Who is opposed to the project? Have neighbors, user groups, or other parties objected to the project? Include any letters, petitions, news articles, or other documents evidencing opposition. What has been done to address the concerns of those opposing, and how has the opposition responded?
17. Describe the Applicant's ability to complete the specific actions required to accomplish this project. Have you demonstrated this ability before with similar projects?
18. Is the project "shovel ready" and will it be completed within two years of the award date? Describe the planning that has gone into the project. Is design and engineering complete or is there work yet to be done? Using the sample Timeline provided by GCFMLD as a guide, please illustrate the timeline for completion of your project.
19. Describe the Applicants' project management team, who will be used to complete this project.

Budget

20. Provide a detailed budget that presents information consistent with the answers presented throughout the Selection Criteria and on the Application Summary Form. **Applicants must use the GCFMLD Budget Form. Budgets submitted in any other format will be rejected.**

Section 2 – Application – Selection Criteria Questions

Mini Grant Program. All applicants for the Mini Grant Program must respond to the following selection criteria questions in no more than five pages. This application will be scored on a 70-point basis with all questions worth 5 points each. The five-page limit does not include the proposed budget, attachments, photographs, maps, letters, etc., but the total page count for your entire submittal may not exceed 15 pages.

In a separate document, please answer every question, renumbering and restating in full the question that you are answering. You must answer all questions. Failure to provide a response to any question will reduce your project's score. Please reference all attachments. Twelve-point font or greater and standard margins (1" top, bottom, left, and right) required.

General Questions

1. Under federal law, your proposal *must* be one of the following three types: (1) planning, (2) construction and maintenance of public facilities, or (3) provision of public services. Describe the scope of the project – what exactly will be built. Be specific, explaining preparatory work, quantities, dimensions, etc. If the project is intended to enhance, rehabilitate, or replace existing public works or other capital projects, describe the state of the existing public works or other capital projects.
2. Explain how this project is one that would improve a community impacted by the development of natural resources?
3. Describe the community/neighborhood the project will serve.
4. Explain how this project is one that will reduce or alleviate social, economic, or public finance impacts resulting from the development of natural resources?
5. Please describe how this project will help the GCFMLD achieve its mission and specifically how granting your request will provide the greatest use of our resources for the greatest number of persons.
6. Describe demand for your proposal in detail and ramifications if the project is not funded.

Ability to Complete Project

7. Although the Mini Grant Program does not require a cash match, the purpose of the program is to complete smaller projects immediately (complete within one year) and otherwise to meet immediate needs, all consistent with federal and state statutory purposes. Demonstrate your ability to do this. If your total project cost is in excess of \$25,000, explain exactly how the project will be completed using your grant award.

Budget

8. Provide a detailed budget that presents information consistent with the answers presented throughout the Selection Criteria and on the Application Summary Form. **Applicants must use the GCFMLD Budget Form. Budgets submitted in any other format will be rejected.**

Section 3 – Sample Documents – Sample Resolution / Timeline

Resolution Supporting the Grant Application for a Grant from the Garfield County Federal Mineral Lease District and the completion of (Name of Project).

- A. WHEREAS, the (Name of Applicant) is a political subdivision of the State of Colorado, and therefore an eligible applicant for a grant awarded by the Garfield County Federal Mineral Lease District (“GCFMLD”); and
- B. WHEREAS, the (Name of Applicant) has submitted a Grant Application for the (Name of Project) requesting a total award of (Amount Requested from GCFMLD); and
- C. WHEREAS, the (Name of Eligible Applicant) supports the completion of the project if a grant is awarded by the GCFMLD.

NOW, THEREFORE, BE IT RESOLVED BY THE (Governing Body of Applicant) THAT:

- 1. The above recitals are hereby incorporated as findings by the (Governing Body of Applicant).
- 2. The (Governing Body of Applicant) strongly supports the Grant Application submitted by the (Name of Applicant) and has appropriated matching funds for a grant with Garfield County Federal Mineral Lease District.
- 3. The (Governing Body of Applicant) of the (Name of Applicant) authorizes the expenditure of funds necessary to meet the terms and obligations of any grant awarded pursuant to a Grant Agreement with the GCFMLD.
- 4. The project site is owned by (Name of Applicant) and will be owned by (Name of Applicant) for the next 25 years. The (The Governing Body of Applicant) of the (Name of Applicant) will continue to maintain (Project Title) in a high quality condition and will appropriate funds for maintenance annually.
- 5. If a grant is awarded, the (Governing Body of Applicant) hereby authorizes the (Designated Official) to sign a Grant Agreement with the GCFMLD

The effective date of this Resolution is the date passed and approved below.

PASSED AND APPROVED ON: _____

ATTEST:

APPROVED BY:

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

PRELIMINARY TWO-YEAR TIMELINE ESTIMATE

NOTE: Applicants have up to two years from the date of award to complete projects under the Traditional Grant Program and up to one year in the Mini Grant Program. Applicants in both programs shall identify a “no later than” start date for every project.

TASK	Oct. '22	Nov. '22	Dec. '22	Jan. '23	Feb. '23	Mar. '23	Apr. '23	May '23	June '23	July '23	Aug. '23	Sept. '23	Oct. '23
Grant Notification													
Governing Body Approval													
Write Bid for Project													
Solicit Bids for Project													
Award Bid for Project													
Order Materials													
Land Preparation													
Construction													
Close-out													
Grand Opening													
Final Report to GCFMLD													

NOTE: Your timeline document MUST indicate a “no later than start date,” your good faith estimate of the date by which the project will commence. This date varies depending on the type of project. The GCFMLD may take this date into consideration in making its decisions.

Indicate this date and briefly describe the action(s) you consider “starting” the project. Examples: bid award date, groundbreaking, execution of construction contract, date of first program, etc.

PRELIMINARY TWO-YEAR TIMELINE ESTIMATE

NOTE: Applicants have up to two years from the date of award to complete projects under the Traditional Grant Program and up to one year in the Mini Grant Program. Applicants in both programs shall identify a “no later than” start date for every project.

TASK	Nov. '23	Dec. '23	Jan. '24	Feb. '24	Mar. '24	Apr. '24	May '24	June '24	July '24	Aug. '24	Sept. '24	Oct. '24
Grant Notification												
Governing Body Approval												
Write Bid for Project												
Solicit Bids for Project												
Award Bid for Project												
Order Materials												
Land Preparation												
Construction												
Close-out												
Grand Opening												
Final Report to GCFMLD												

Section 3 – Sample Documents – Sample Budget

Applicants must use the GCFMLD Budget Form available in Microsoft Excel format at www.Colorado.gov/gcfmld. Budgets submitted in any other format will be rejected.

RESOLUTION 2022 – 32

A RESOLUTION OF THE CITY COUNCIL OF GLENWOOD SPRINGS, COLORADO, SUPPORTING A GRANT APPLICATION TO THE GARFIELD COUNTY FEDERAL MINERAL LEASE DISTRICT FOR A POLICE DEPARTMENT DRONE AND THE ACCEPTANCE AND APPROPRIATION OF ANY GRANT FUNDS AWARDED

WHEREAS, the City of Glenwood Springs is a political subdivision of the State of Colorado, and therefore an eligible applicant for a grant awarded by the Garfield County Federal Mineral Lease District (“GCFMLD”); and

WHEREAS, the City of Glenwood Springs intends to submit a \$19,000 Grant Application for a Police Department Drone for crime scene photography, major accident photography and other operations where a drone would aid in police work; and

WHEREAS, the City Council strongly supports the project if a grant is awarded by the GCFMLD.

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.

Section 2. The City strongly supports the Grant Application submitted by the Glenwood Springs Police Department, and the City of Glenwood Springs will maintain the police drone in a high quality condition.

Section 3. The City Council of the City of Glenwood Springs will authorize the expenditure of funds necessary to meet the terms and obligations of any grant awarded pursuant to a Grant Agreement with the GCFMLD.

Section 4. If a grant is awarded, the City Council of the City of Glenwood Springs hereby authorizes the Mayor or Mayor Pro Tem to sign a Grant Agreement with GCFMLD.

INTRODUCED, READ, AND PASSED THIS 18th DAY OF AUGUST 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Support for grant application for a welcome center at 8th and Grand by Colorado Mountain College
Action Requested:	Colorado Mountain College (CMC) has designed and is proposing to begin construction in 2023 of a downtown welcome and information center. The college is applying for a Federal Mineral Lease District (FMLD) grant and is seeking letters of support from the Chamber and the City.
Department:	City Administration
Presented By:	Jenn Ooton
Strategic Goals:	Protect and Preserve our Quality of Life
Background Info:	In the Northeast corner of the ground floor of 802 Grand Avenue Colorado Mountain College is considering a welcome center. It would provide visitor information and offer CMC logo items for sale. It is anticipated that there will also be information about responsible tourism to guide visitors in their use of our amenities and public lands. There will be 2 unisex bathrooms available to the public.
Issues:	Public restrooms in the downtown area have been much needed for some time. The units that went in at 7th and Colorado meet some of the need, but 2 more at 8th and Grand would help. The total cost of the project is expected to be approximately \$1,400,000 including an application to the Federal Mineral Lease District of \$700,000. CMC is asking the City to provide a letter of support with the FMLD application it will submit at the end of this month.
Fiscal Impact:	If Council supports this project staff expects to include \$150,000 to \$200,000 in funding between the Downtown District Authority (DDA), Tourism Fund and General Improvement District (GID) in the 2023 budget submittal process.
Legal Review:	NA
Staff Recommendation:	Provide a letter of support with the grant application to Federal Mineral Lease District and consider the funding request in the 2023 budget cycle.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item: Planning Item 22-22 Right-of-Way Encroachment License, 716 Cooper Avenue, Western Hotel

Action Requested: **Action 1 –Right-of-Way Encroachment License** – for foundation improvements related to the Western Hotel multifamily residential development.

Department: Economic and Community Development

Presented By: Trent Hyatt

Strategic Goals: Generate Sustainable Economic Development
Preserve and Improve Infrastructure
Protect and Preserve our Quality of Life
Ensure Public Safety

Background Info:

REQUEST	Approval of a Right-of-Way Encroachment License
APPLICANT	Candace Whipple
OWNER	Western Hotel, LLC
LOCATION	716 Cooper Avenue
ZONE	Mixed-Use Core (M2) District
SURROUNDING LAND USES	North: Alley right-of way, mixed-use hotel/commercial South: Mixed-use commercial/residential East: Alley right-of-way, multi-family residential West: Cooper Avenue right-of-way, mixed-use commercial/residential
LOT SIZE	2,500 square feet/.0574 acres

On June 22, 2021, the Planning and Zoning Commission approved a Minor Site/Architectural Plan Review application for the remodel of, and an approximately 2,100 square foot third story addition to, the existing historic 4,260 square foot Western Hotel located at 716 Cooper Avenue in the Downtown Core. The intent of the remodel/addition is to allow for 11 studio and one-bedroom multi-family residential units. Staff approved the related Final Plans application for the proposal on January 25, 2022.

Due to its historical significance (listed on the National Register of Historic Places in 2016), changes to the structure require review and approval of a Landmark Alteration Certificate by the Historic Preservation Commission (HPC). Said approval was granted on March 1, 2021. Originally, it was the applicant's intent to preserve and restore a 45 foot section of existing brick wall (adding only egress windows) along the north side of the building adjacent to the alley (via non-chemical/non-physically damaging methods) as outlined in Exhibit A attached hereto. The remaining 50 feet of wall was always proposed for replacement since it did not retain the historical integrity of the previously described brick wall section. Upon demolition of the interior of the structure, the project architect and structural engineer determined that the brick wall section is not structurally sound and unable to safely support the existing building or the proposed third level addition. This structural instability results in the need to replace the existing wall and install a new foundation to support it.

Today, the existing wall is located anywhere from 0 to 0.3 feet from the property line adjacent to the north alley right-of-way. To maintain a similar alignment, a foundation footer having a sub-grade right-of-way encroachment, not to exceed six inches, is necessary for the replacement of the existing

wall for approximately 95 feet as outlined in Exhibit B attached.

On June 2, 2022, staff met with the HPC to discuss the unfortunate findings regarding the existing brick wall intended for preservation. While disappointed, the HPC understood the safety-related need to replace the wall, approving the request in theory. HPC determined that the applicant is required to reconvene with the HPC to seek final approval of a specific brick style and color at a later date.

Issues:

Right-of-Way Encroachment License Approval Criteria

Section 070.060.030(f)(3)e.2 of the *Glenwood Springs Municipal Code* (Code) outlines the approval considerations for the review of a Right-of-Way Encroachment License application. Said language is provided in ***bold italics*** below, while other language is provided by staff.

In reviewing the proposed right-of-way encroachment license, the Director and City Council shall consider whether or not the proposed encroachment:

1. Furthers the City's land use and utility goals and objectives;

The proposed encroachment allows the remodel of the building to maintain an existing building setback that is consistent with development patterns in the historic central business district.

2. Could be reasonably accommodated on the applicant's own property and outside of the City's right-of-way;

Said encroachment can not be accommodated fully on the applicant's private property due to the historic construction at the site. Also, removing the encroachment would result in the need to make significant changes to site layout and building design.

3. Compromises public safety, health, and welfare of the community;

Staff has not identified any issues related to the proposed encroachment that negatively impact public safety, health, or welfare. Furthermore, following approval of the encroachment, where applicable, the applicant is required to enter into an agreement which protects City from any potential negative impacts related to the request.

4. Compromises access to other public and/or private lands; and

The encroachments do not compromise access to public/private lands.

5. Is necessary based on a hardship created by the applicant.

The encroachments are related to the need to replace an existing wall intended for preservation of the historically significant structure, not any hardship created by the applicant.

Fiscal Impact:

The proposal is not expected to impact the City's budget or fiscal outlook.

Legal Review:

Applicant shall abide by stipulations set forth in the revocable encroachment license which releases the City from any liability, claims, or damages.

Staff Recommendation:

Action Alternatives

Section 070.060.030(g)(1)d of the Code outlines the review and decision procedures for applications being considered by City Council stating, "The 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 –Right-of-Way Encroachment License – for foundation improvements related to the Western Hotel multifamily residential development.

Staff Recommendation:

Staff recommends approval of the License to Encroach application with the findings and conditions below:

Recommended Findings:

1. The proposed encroachment furthers the City's land use and utility goals and objectives;
2. The proposed encroachment does not compromise public safety, health, nor the welfare of the community;
3. The proposed encroachment does not compromise access to other public and/or private lands; and
4. The proposed encroachment is not based on a hardship created by the applicant.

Recommended Conditions:

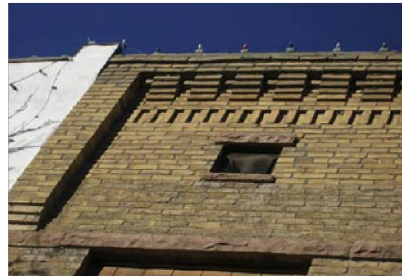
1. The type and extent of the encroachments shall be consistent with Exhibit A attached;
2. The applicant shall receive final approval of the style and color if brick for the replacement wall before installation.
3. Following installation of the foundation and prior to a certificate of occupancy, the applicant shall provide an agreement, subject to the review and approval of the City Attorney, which indemnifies the City from any and all damages to property or persons related to the encroachment;
4. Following installation of the foundation and prior to a certificate of occupancy, the applicant shall obtain and provide a copy of an umbrella liability policy covering the encroachments in limits not less than \$1,000,000.00. Such policy shall be renewed by the applicant for the life of the encroachment, and a copy of each new policy shall be furnished to the City upon the anniversary date of the license to encroach. Failure to provide the policy as required shall automatically nullify the license to encroach without necessity of further notice and shall require the applicant's removal of the encroachment at the applicant's sole expense. Should the applicant fail to remove the encroachment within a reasonable time, the City may declare the encroachment a public nuisance, undertake removal, and attach a lien to the applicant's property for the costs of the removal.

Appendix - 2

The Secretary of the Interior's Standards for the Rehabilitation of Historic Buildings

The Secretary of the Interior's Standards for the Rehabilitation of Historic Buildings are general rehabilitation guidelines established by the National Park Service. These standards are policies that serve as a basis for the design principles presented in this document. The Secretary's Standards state that:

1. A property shall be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property shall be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property shall be avoided.
3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, shall not be undertaken.
4. Changes to a property that have acquired historic significance in their own right shall be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.
6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and, where possible, materials. Replacement of missing features shall be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, shall be undertaken using the gentlest means possible. Treatments that cause damage to historic materials shall not be used.
8. Archeological resources shall be protected and preserved in place. If such resources must be disturbed, mitigation measures shall be undertaken.

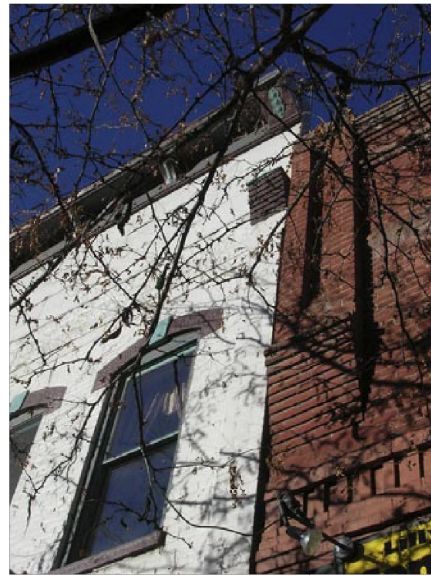


'Brickcraft'.

WORK TO COMPLY WITH THESE
'SECRETARY of the INTERIOR STANDARDS
for REHABILITATION'

page iii

GLENWOOD SPRINGS PRESERVATION PLAN



Downtown brickwork.

9. New additions, exterior alterations, or related new construction shall not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and shall be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
10. New additions and adjacent or related new construction shall be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

Design for alterations and additions to existing properties should not be discouraged when such alterations and additions do not destroy significant historical, architectural or cultural material. Such design should be compatible with the size, scale, color, material and character of the property, neighborhood and environment.

EXISTING CONCRETE BLOCK PORTION
PROPOSED TO BE REMOVED AND
RECONSTRUCTED

Cooper Ave	716	Western Hotel	National Register 03/15/2016	The Western Hotel was constructed around 1888 and originally was a one-story brick building. Over the years, a second story was added along with two additions to the back of the building. In 1951 the first floor main elevation was renovated to modernize its appearance. Although the building housed a restaurant, saloon, soda bottling shop and a rooming house at different times beginning in the late 1880s through 1923, its ninety-two year continuous tenure as a working-class hotel represents its most significant commercial contribution for Glenwood Springs. In 1939 John and Ida Tonioli purchased the hotel for \$5,000. Since at least 1951 after the building was renovated, the Toniolis resided permanently in the south half of the first floor. Although John Tonioli died in 1980, Ida continued to own and operate the hotel. She retired in 2012 at the age of 101, closed the hotel and kept it as her private residence for another year or so.
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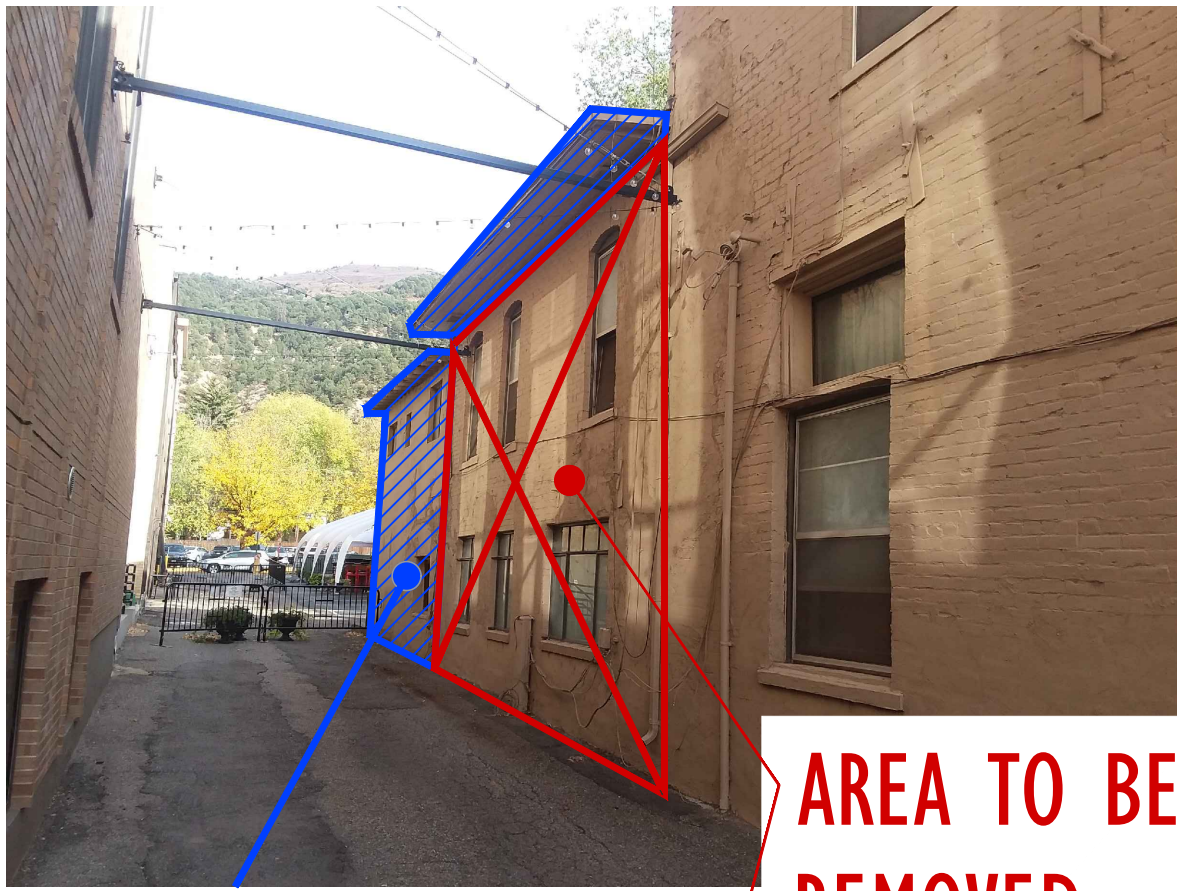
HISTORIC SUMMARY

PROPOSED 3RD STORY



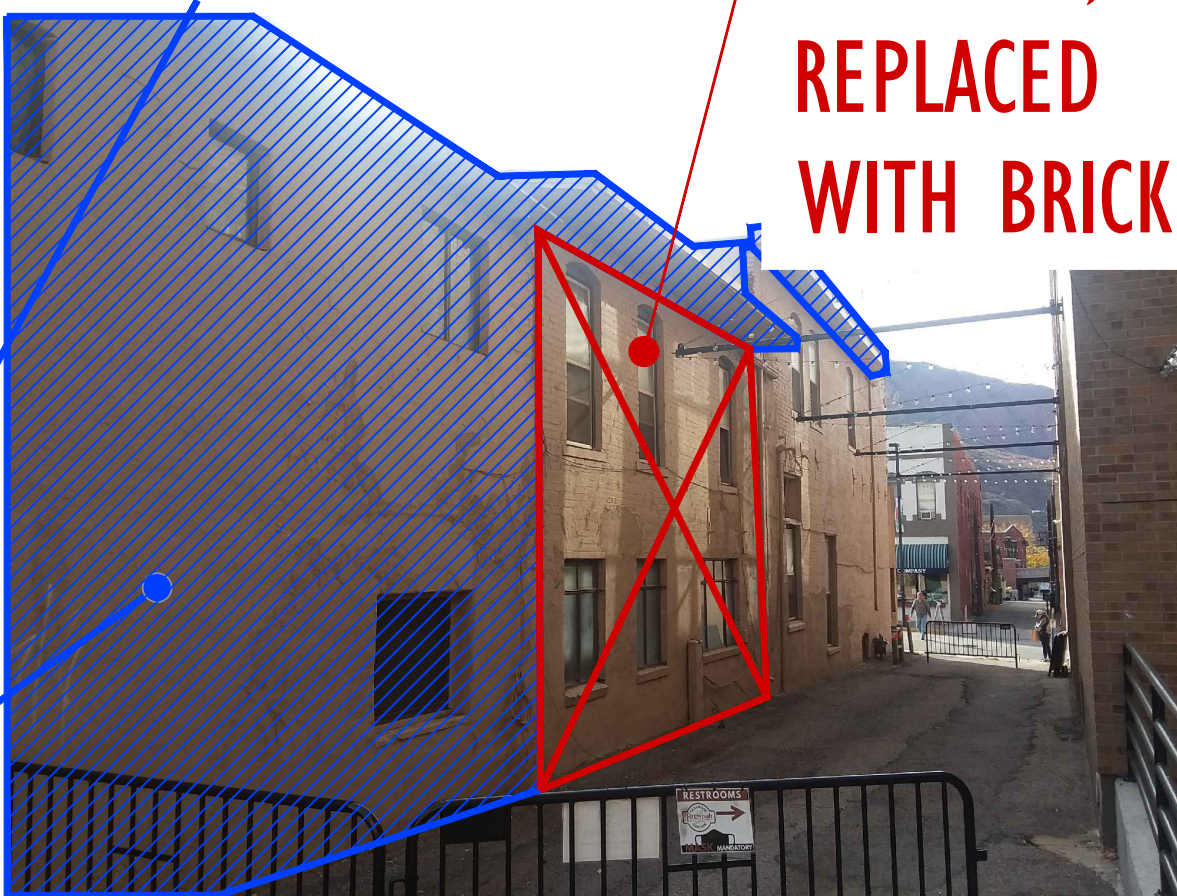
SCOPE: HISTORIC FACADES TO BE RETAINED. INTERIOR TO REMOVED AND PARTIAL THIRD STORY ADDED. 11 RENTAL DWELLING UNITS ARE PROPOSED.

STREET CONTEXT - 2020

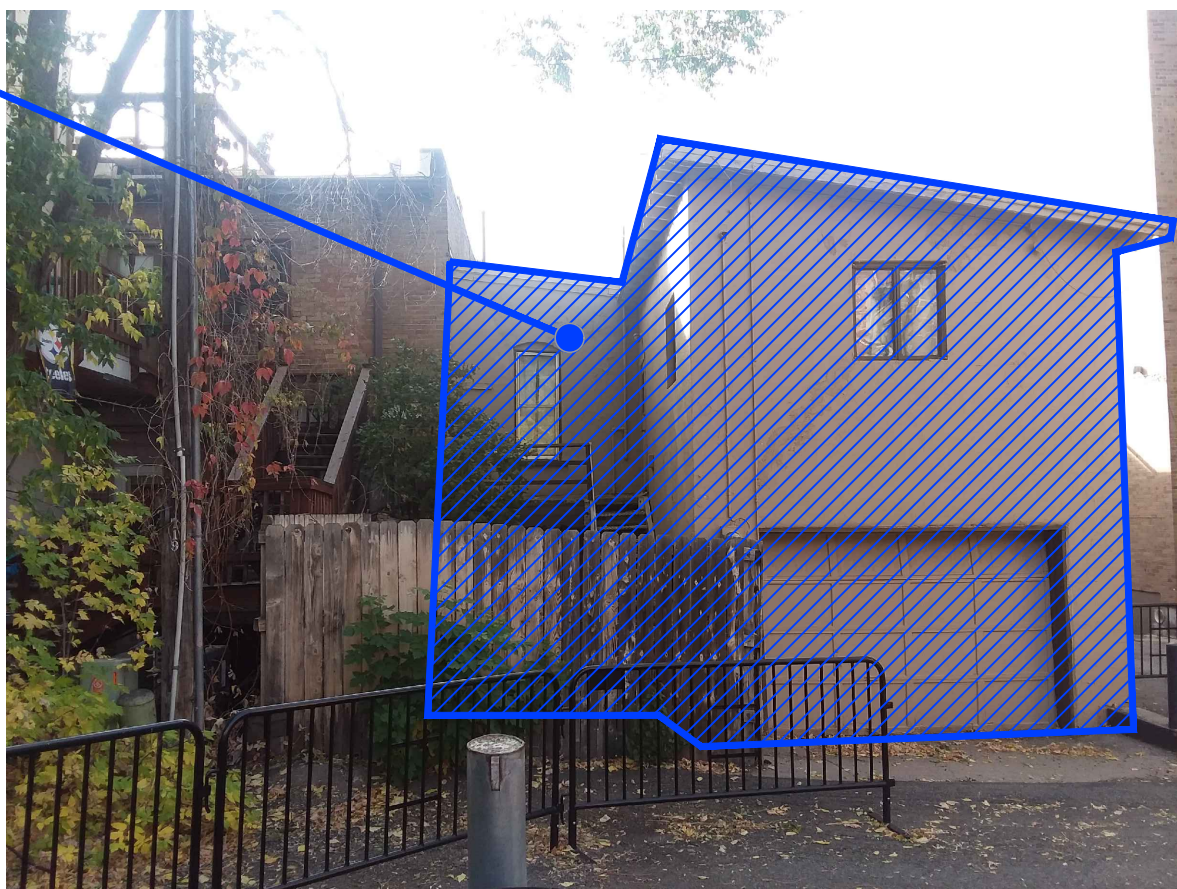


ALLEY - 2020

AREA TO BE REMOVED,
REPLACED
WITH BRICK



ALLEY - 2020



REAR FACADE - 2020



STREET CONTEXT - 2020

HISTORIC COOPER AVE. AND PARTIAL
ALLEY FACADES TO BE RETAINED



STREET FACADE - 1989

THE WESTERN HOTEL



VICINITY PLAN / PHOTO



WESTERN APARTMENTS

716 COOPER AVENUE
GLENWOOD SPRINGS, CO 81601

Seal:

#	DATE	ISSUED FOR
03.30.21	MINOR SITE REVIEW	
04.27.21	CONST. PLANS REVIEW	
07.14.21	PRICING SET	
09.24.21	PERMIT SET	
11.01.21	FINAL PLANS REVIEW	

Construction
Issue Date:

Drawing Title:

EXISTING CONDITIONS
& GENERAL DATA

Sheet #:

A0.1

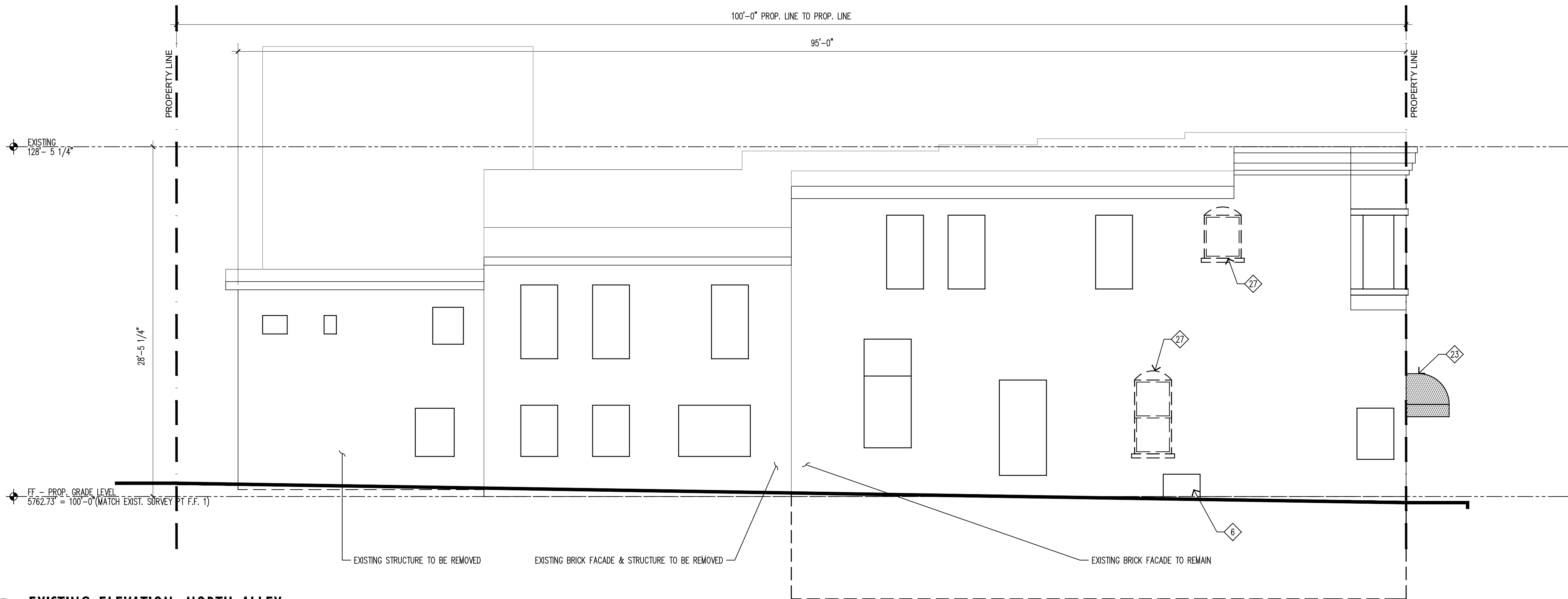
CALCULATIONS: SOUTH ELEVATION (ALLEY)

WINDOWS =	501 SF (14.40%)
DOORS =	49 SF (1.41%)
NEW BANDING/PARAPET =	205 SF (5.89%)
MASONRY TO REMAIN =	1,009 SF (28.99%)
NEW MASONRY =	613 SF (17.62%)
NEW SIDING =	1,103 SF (31.69%)
GROSS OF WALL =	3,480 SF



PROPOSED ELEVATION: NORTH ALLEY

A3.1 3/16" = 1'-0"



EXISTING ELEVATION: NORTH ALLEY

A3.1 3/16" = 1'-0"

ELEVATION NOTES:

- IN THE EVENT OF DIMENSIONAL OR EXISTING CONDITIONS DISCREPANCY, CONTACT ARCHITECT AT (970) 925-1832.
- REFERENCE STRUCTURAL FOR ALL FOOTING LOCATIONS, REINFORCEMENT & SIZES.
- SEE CODE PLANS FOR WALL, FLOOR, AND CEILING ASSEMBLY TYPES AND CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL DOOR & WINDOW DIMENSIONS ARE TO CENTERLINE, U.N.O. CONTRACTOR TO VERIFY SIZES, QUANTITIES & LOCATIONS PRIOR TO ORDERING & INSTALLING.
- ALL DIMENSIONS ARE TO ROUGH FRAMING U.N.O.
- ELEMENTS BELOW GRADE ARE UNKNOWN. CARE SHOULD BE TAKEN DURING EXCAVATION & DEMOLITION NOT TO DISTURB ELEMENTS NOT SLATED FOR DEMOLITION. VERIFY LOCATION OF UNDERGROUND UTILITY LINES w/ LOCAL SERVICE DEPARTMENTS.
- PROVIDE TEMPORARY BARRICADES & OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT OWNERS' PERSONAL PROPERTY, WORKERS, & GENERAL PUBLIC FROM INJURY DUE TO ALL CONSTRUCTION ACTIVITIES.
- COVER & PROTECT ALL EQUIPMENT, FIXTURES & PROPERTY TO REMAIN DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR TO PATCH ALL AREAS DAMAGED OR REMOVED DURING CONSTRUCTION.
- ALL ROOF & WALL PENETRATIONS MUST BE COORDINATED w/ ARCHITECT & G.C. PRIOR TO INSTALLATION.
- ALL ROOF & WALL PENETRATIONS TO BE CLUSTERED IN LEAST OBSTRUCTIVE LOCATION AS DETERMINED BY ARCHITECT.
- WINDOW MANUFACTURER TO COORDINATE STRUCTURE, FLASHING & INSTALLATION REQUIREMENTS w/ ARCHITECT & GC PRIOR TO ORDERING & INSTALLATION.
- WINDOW TAGS ARE SHOWN ON EXTERIOR ELEVATIONS.
- COORDINATE ALL BLOCKING NECESSARY WITH ADA, ANSI, ICC AND OTHER CODE REQUIREMENTS, OTHER CONSTRUCTION COMPONENTS, OR TRADES, PRIOR TO INSTALLING WALL FINISHES. ALL SUB CONTRACTORS ARE TO COORDINATE LOCATIONS OF BLOCKING WITH GENERAL CONTRACTOR.
- ALL METAL ROOFING & FLASHING SHALL BE INSTALLED TO AVOID "OIL CANNING." ANY "OIL CANNED" PORTIONS SHALL BE REPLACED AT CONTRACTORS COST.
- FLOOR ASSEMBLIES SHALL NOT BE PENETRATED. SEE FLOOR PLANS FOR DROPPED SOFFIT AND CEILING LOCATIONS. SEE CODE PLANS FOR ALL ASSEMBLY TYPES AND FIRE-STOP INFORMATION.
- ALL ROOFING & GUTTERS TO HAVE HEAT TAPE - COORD. LOCATIONS w/ ARCH AND GC. SEE ROOF PLAN AND ELEVATIONS FOR SNOW FENCING AND OTHER SIMILAR ACCESSORIES.
- ALL EXPOSED CONCRETE SUCH AS WALLS, FLOORS, & PATIOS ARE FINISH SURFACES. CONTRACTOR SHALL PROTECT ALL FINISHED CONCRETE DURING CONSTRUCTION. IF ANY OF THESE AREAS GET DAMAGED, CONTRACTOR TO REPLACE AT CONTRACTORS COST.
- ALL EXPOSED STEEL TO BE CLEANLY WELDED & FINISHED.
- U.N.O. WINDOW & DOOR HEAD, JAMB, & SILL DETAILS TO BE INSTALLED PER MFR. REC., INCLUDES BUT IS NOT LIMITED TO, FLASHING, WEATHERPROOFING, EXTENSIONS PER FINISHES, OR ATTACHMENT METHOD.

ELEVATION KEYED NOTES:

NOTE: INSTALL AND HANDLE ALL PRODUCTS, MATERIALS, & FINISHES PER MFR. REQ. IN ALL RESPECTS, TO INCLUDE BUT NOT LIMITED TO: FASTENING METHOD, FLASHING, WATERPROOFING, PREPERATION, SUBSTRATE, PROTECTION, ETC.

- EXISTING BRICK FACADE TO REMAIN. PREPARE/RESTORE EXISTING BRICK AS NEEDED TO ACCEPT NEW PAINTED FINISH. EXISTING BRICK TO REMAIN THAT IS NOT PAINTED SHALL BE CLEANED ONLY, NO NEW PAINT.
- AREA RECONSTRUCTED WITH FULL BRICK, UNPAINTED. BRICK VENEER AT SOUTH PROPERTY LINE.
- PROPOSED SIDING, To EXTERIOR (BORAL) "POLY-ASH" 1 X 6 NICKEL GAP SIDING WITH CUSTOM COLOR.
- NEW CONDENSERS, REFER. MECH.
- NEW WINDOW IN HISTORIC FACADE/OPENING
- BASEMENT WINDOW TO BE REMOVED. INFILL WITH BRICK TO MATCH EXISTING AND PREPARE TO ACCEPT NEW PAINTED FINISH
- RESTORE EXISTING WINDOW TO COMMON PROPORTIONS. INFILL WITH BRICK TO MATCH EXISTING DIMENSION AND PROPORTION, TYP.
- PREVIOUS WINDOW LOCATION FROM HISTORIC FACADE
- NEW WINDOW (TO MATCH HISTORIC PROPORTION)
- NEW ELECTRIC OVERHEAD ROLLING DOOR. OVERHEAD DOOR COMPANY MODEL 620S OR EQUAL. FINISH COLOR TO MATCH SIDING.
- BRAKE METAL ACCENT PANEL, TYPICAL WHERE SHOWN
- RESTORED SILL IN EXISTING FACADE. PREPARE/RESTORE AS NEEDED TO ACCEPT NEW PAINTED FINISH, TYP.
- NEW BRICK SILL IN NEW BRICK AREAS, PROPORTIONS AND DETAILING TO MATCH EXISTING, TYP.
- NEW METAL WRAPPED SILL, TYP. AT SIDING
- NEW DOOR
- NEW DOOR IN EXISTING FACADE/OPENING
- ARCH DETAIL RECREATED IN EXISTING FACADE WHERE NOT EXISTING, MATCH EXISTING
- NEW BRAKE METAL PARAPET & CORNICE DETAIL. PARTY WALL SIDE CORNICE DETAIL TO NOT ENDOACH PAST THE PROPERTY LINE
- EXISTING BRICK CORNICE TO REMAIN. PREPARE/RESTORE EXISTING CORNICE AS NEEDED TO ACCEPT NEW PAINTED FINISH.
- NEW BRAKE METAL BELLY BAND
- EXISTING STONE BELLY BAND TO REMAIN. PREPARE/RESTORE EXISTING BAND AS NEEDED TO ACCEPT NEW PAINTED FINISH.
- EXISTING ARCH DETAIL
- EXISTING AWNING TO BE REMOVED, PRESERVED/RESTORED FOR RE-INSTALLATION
- EXISTING SIGN TO BE REMOVED
- EXT. ENTRY LIGHT FIXTURE PER CODE WITH NIGHT-SKY CUT-OFF FEATURE, TYP. OF 3
- EXT. GLASS BLOCK TO REMAIN
- REMOVE EXISTING MASONRY, OPENING TO RECEIVE NEW WINDOW, NEW CONDITION TO MATCH EXISTING CONDITION AT EXISTING WINDOWS. INCLUDES HEAD, JAMB, AND SILL DETAILING, DIMENSIONS, AND PROPORTIONS.



WESTERN APARTMENTS

716 COOPER AVENUE
GLENWOOD SPRINGS, CO 81601

Seal:

#	DATE	ISSUED FOR
03.30.21		MINOR SITE REVIEW
04.27.21		CONST. PLANS REVIEW
07.14.21		PRICING SET
09.24.21		PERMIT SET
01.21.22		FINAL PLANS REVIEW

Construction
Issue Date:

Drawing Title:

NORTH ALLEY
ELEVATIONS

Sheet #:

A3.1

CALCULATIONS: SOUTH ELEVATION (ALLEY)

WINDOWS =	501 SF (14.40%)
DOORS =	43 SF (1.24%)
NEW BANDING/PARAPET =	205 SF (5.89%)
MASONRY TO REMAIN =	1,009 SF (28.99%)
NEW MASONRY =	619 SF (17.79%)
NEW SIDING =	1,103 SF (31.69%)
GROSS OF WALL =	3,480 SF

CALCULATIONS: EAST ELEVATION (ALLEY)

WINDOWS =	119 SF (13.31%)
DOORS =	21 SF (2.35%)
NEW BANDING/PARAPET =	60 SF (6.71%)
MASONRY TO REMAIN =	0 SF
NEW MASONRY =	288 SF (32.21%)
NEW SIDING =	406 SF (45.42%)
GROSS OF WALL =	894 SF

ELEVATION NOTES:

- IN THE EVENT OF DIMENSIONAL OR EXISTING CONDITIONS DISCREPANCY, CONTACT ARCHITECT AT (970) 925-1832.
- REFERENCE STRUCTURAL FOR ALL FOOTING LOCATIONS, REINFORCEMENT & SIZES.
- SEE CODE PLANS FOR WALL, FLOOR, AND CEILING ASSEMBLY TYPES AND CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL DOOR & WINDOW DIMENSIONS ARE TO CENTERLINE, U.N.O. CONTRACTOR TO VERIFY SIZES, QUANTITIES & LOCATIONS PRIOR TO ORDERING & INSTALLING.
- ALL DIMENSIONS ARE TO ROUGH FRAMING U.N.O.
- ELEMENTS BELOW GRADE ARE UNKNOWN. CARE SHOULD BE TAKEN DURING EXCAVATION & DEMOLITION NOT TO DISTURB ELEMENTS NOT SLATED FOR DEMOLITION. VERIFY LOCATION OF UNDERGROUND UTILITY LINES w/ LOCAL SERVICE DEPARTMENTS.
- PROVIDE TEMPORARY BARRICADES & OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT OWNERS' PERSONAL PROPERTY, WORKERS, & GENERAL PUBLIC FROM INJURY DUE TO ALL CONSTRUCTION ACTIVITIES.
- COVER & PROTECT ALL EQUIPMENT, FIXTURES & PROPERTY TO REMAIN DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR TO PATCH ALL AREAS DAMAGED OR REMOVED DURING CONSTRUCTION.
- ALL ROOF & WALL PENETRATIONS MUST BE COORDINATED w/ ARCHITECT & G.C. PRIOR TO INSTALLATION.
- ALL ROOF & WALL PENETRATIONS TO BE CLUSTERED IN LEAST OBSTRUCTIVE LOCATION AS DETERMINED BY ARCHITECT.
- WINDOW MANUFACTURER TO COORDINATE STRUCTURE, FLASHING & INSTALLATION REQUIREMENTS w/ ARCHITECT & GC PRIOR TO ORDERING & INSTALLATION.
- WINDOW TAGS ARE SHOWN ON EXTERIOR ELEVATIONS.
- COORDINATE ALL BLOCKING NECESSARY WITH ADA, ANSI, ICC AND OTHER CODE REQUIREMENTS, OTHER CONSTRUCTION COMPONENTS, OR TRADES, PRIOR TO INSTALLING WALL FINISHES. ALL SUB CONTRACTORS ARE TO COORDINATE LOCATIONS OF BLOCKING WITH GENERAL CONTRACTOR.
- ALL METAL ROOFING & FLASHING SHALL BE INSTALLED TO AVOID "OIL CANNING." ANY "OIL CANNED" PORTIONS SHALL BE REPLACED AT CONTRACTORS COST.
- FLOOR ASSEMBLIES SHALL NOT BE PENETRATED. SEE FLOOR PLANS FOR DROPPED SOFFIT AND CEILING LOCATIONS. SEE CODE PLANS FOR ALL ASSEMBLY TYPES AND FIRE-STOP INFORMATION.
- ALL ROOFING & GUTTERS TO HAVE HEAT TAPE - COORD. LOCATIONS w/ ARCH AND GC. SEE ROOF PLAN AND ELEVATIONS FOR SNOW FENCING AND OTHER SIMILAR ACCESSORIES.
- ALL EXPOSED CONCRETE SUCH AS WALLS, FLOORS, & PATIOS ARE FINISH SURFACES. CONTRACTOR SHALL PROTECT ALL FINISHED CONCRETE DURING CONSTRUCTION. IF ANY OF THESE AREAS GET DAMAGED, CONTRACTOR TO REPLACE AT CONTRACTORS COST.
- ALL EXPOSED STEEL TO BE CLEANLY WELDED & FINISHED.
- U.N.O. WINDOW & DOOR HEAD, JAMB, & SILL DETAILS TO BE INSTALLED PER MFR. REC., INCLUDES BUT IS NOT LIMITED TO, FLASHING, WEATHERPROOFING, EXTENSIONS PER FINISHES, OR ATTACHMENT METHOD.

PRESERVATION NOTES:

- COMPLIANCE WITH THE "SECRETARY OF THE INTERIOR STANDARDS FOR REHABILITATION", APPENDIX 2, IS REQUIRED. REFERENCE SHEET A0.1.
- EXISTING BRICK THAT IS TO REMAIN AND IS PAINTED, IS TO BE REPAINTED WITH A MATCHING COLOR. DO NOT REMOVE EXISTING PAINT PRIOR TO PAINTING. CLEAN EXISTING PAINT ONLY AS NECESSARY AND PER PRODUCT MFR. RECOMMENDATIONS TO RECEIVE NEW PAINT.

IF IN THE EVENT IT IS DEEMED NECESSARY BY THE PAINTING PROFESSIONAL TO REMOVE LAYERS OF PAINT IN ORDER TO ACHIEVE A SUCCESSFUL NEW PAINT APPLICATION, CONSULT WITH A PROFESSIONAL CONSERVATOR, THE STATE HISTORIC PRESERVATION OFFICE, OR SIMILAR PROFESSIONAL FOR APPROPRIATE PAINT REMOVAL TECHNIQUES.
- EXISTING BRICK THAT IS TO REMAIN AND IS UNPAINTED: CLEAN BRICK ONLY. "LIKE NEW" APPEARANCE IS NOT NECESSARY. REMOVE DEBRIS, STAINS, & SURFACE GRIME TO MAINTAIN A HISTORIC APPEARANCE. USE THE GENTLEST MEANS POSSIBLE. DO NOT USE DAMAGING, ABRASIVE BLASTING, OR HARSH CHEMICAL TECHNIQUES. REFERENCE THE RECOMMENDATIONS OF THE BRICK INDUSTRY ASSOCIATION "TECHNICAL NOTES ON BRICK CONSTRUCTION: CLEANING BRICKWORK" and THE NATIONAL PARK SERVICE "ASSESSING CLEANING AND WATER-REPELLENT TREATMENTS FOR HISTORIC MASONRY BUILDINGS" at <https://www.nps.gov/lps/how-to-preserve/briefs/1-cleaning-water-repellent.htm>
- IF REPOINTING IS NECESSARY USE MATCHING MORTAR, AND REPOINT TO MATCH EXISTING COLOR AND TEXTURE. REPOINT ONLY WHERE MORTAR IS CRACKED, DAMAGED, OR MISSING.

ELEVATION KEYED NOTES:

NOTE: INSTALL AND HANDLE ALL PRODUCTS, MATERIALS, & FINISHES PER MFR. REQ. IN ALL RESPECTS, TO INCLUDE BUT NOT LIMITED TO: FASTENING METHOD, FLASHING, WATERPROOFING, PREPERATION, SUBSTRATE, PROTECTION, ETC.

- EXISTING BRICK FACADE TO REMAIN. PREPARE/RESTORE EXISTING BRICK AS NEEDED TO ACCEPT NEW PAINTED FINISH. EXISTING BRICK TO REMAIN THAT IS NOT PAINTED SHALL BE CLEANED ONLY, NO NEW PAINT
- AREA RECONSTRUCTED WITH FULL BRICK, UNPAINTED. BRICK VENEER AT SOUTH PROPERTY LINE
- PROPOSED SIDING, To EXTERIOR (BORAL) "POLY-ASH" 1 X 6 NICKEL GAP SIDING WITH CUSTOM COLOR.
- NEW CONDENSERS, REFER. MECH.
- NEW WINDOW IN HISTORIC FACADE/OPENING



WESTERN APARTMENTS

716 COOPER AVENUE
GLENWOOD SPRINGS, CO 81601

1 PROPOSED ELEVATION: WEST, COOPER AVENUE

A3.2 3/16" = 1'-0"

3 PROPOSED ELEVATION: EAST, ALLEY

A3.2 3/16" = 1'-0"

CALCULATIONS: SOUTH ELEVATION (PARTY WALL)

WINDOWS =	0 SF
DOORS =	0 SF
NEW BANDING/PARAPET =	166 SF (11.10%)
MASONRY TO REMAIN =	0 SF
NEW MASONRY =	326 SF (21.80%)
NEW SIDING =	1,003 SF (67.10%)
GROSS OF WALL =	1,495 SF

2 EXISTING ELEVATION: WEST, COOPER AVENUE

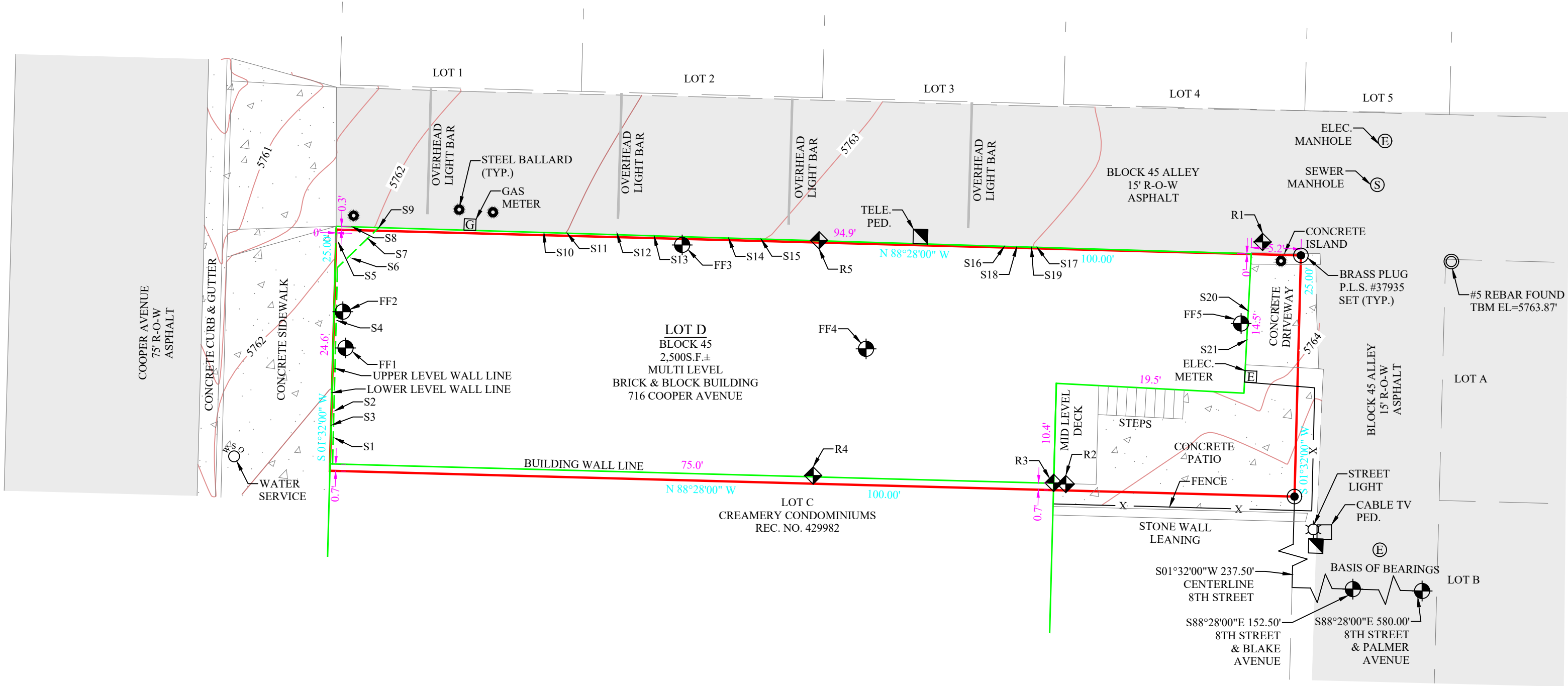
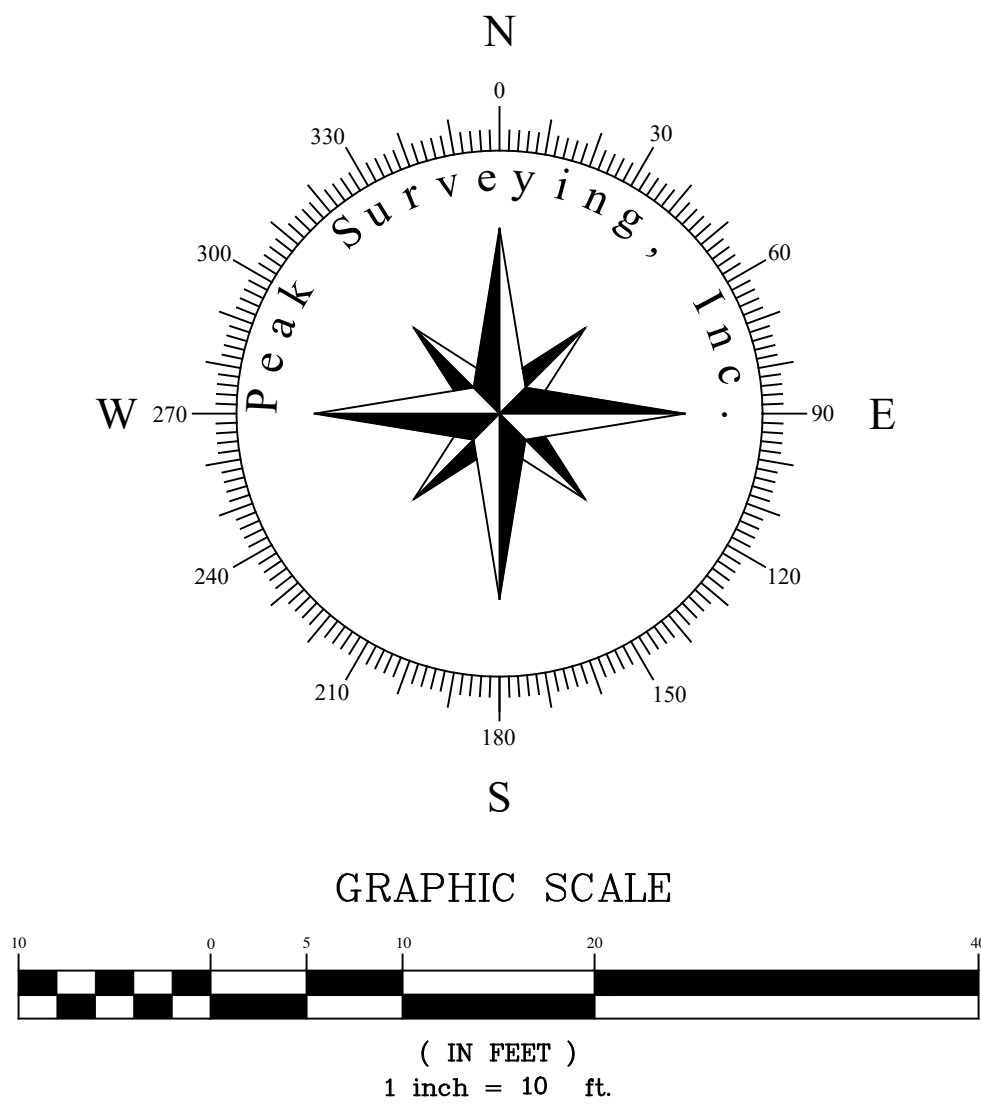
A3.2 3/16" = 1'-0"

4 BPROPOSED ELEVATION: NORTH, PARTY WALL

A3.2 3/16" = 1'-0"

IMPROVEMENT SURVEY PLAT & PARTIAL TOPOGRAPHIC SURVEY

LOT D, BLOCK 45, GLENWOOD SPRINGS ORIGINAL TOWNSITE
CITY OF GLENWOOD SPRINGS, COUNTY OF GARFIELD, STATE OF COLORADO



NOTES:

- 1) THIS PROPERTY IS SUBJECT TO RESERVATIONS, RESTRICTIONS, COVENANTS, BUILDING SETBACKS AND EASEMENTS OF RECORD, OR IN PLACE AND EXCEPTIONS TO TITLE SHOWN IN THE TITLE COMMITMENT PREPARED BY COMMONWEALTH TITLE INSURANCE COMPANY, COMMITMENT NO. 2020-10-78, DATED EFFECTIVE OCTOBER 16, 2020.
- 2) THE DATE OF THIS SURVEY WAS NOVEMBER 18, 2020.
- 3) BASIS OF BEARINGS FOR THIS SURVEY IS A BEARING OF N88°28'00\"/>

S=SILL	F.F.=FINISH FLOOR	R=RIDGE	HEIGHT	CHART
SILL-1	5779.71'	SILL-16	5773.98'	
SILL-2	5779.68'	SILL-17	5773.88'	
SILL-3	5765.80'	SILL-18	5766.00'	
SILL-4	5764.69'	SILL-19	5765.97'	
SILL-5	5764.69'	SILL-20	5775.91'	
SILL-6	5779.52'	SILL-21	5775.98'	
SILL-7	5779.55'	F.F. 1	5762.73'	
SILL-8	5765.75'	F.F. 2	5778.10'	
SILL-9	5781.79'	F.F. 3	5778.17'	
SILL-10	5779.59'	F.F. 4	5772.52'	
SILL-11	5779.61'	F.F. 5	5763.29'	
SILL-12	5764.37'	RIDGE 1	5780.2'	
SILL-13	5764.45'	RIDGE 2	5790.3'	
SILL-14	5766.74'	RIDGE 3	5784.6'	
SILL-15	5766.69'	RIDGE 4	5789.9'	

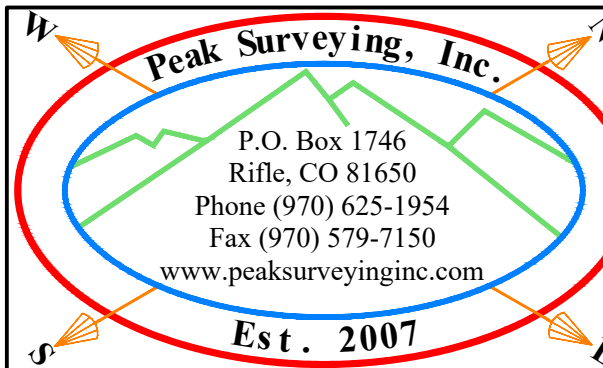
IMPROVEMENT SURVEY STATEMENT

I, JASON R. NEIL, HEREBY CERTIFY TO CANDACE WHIPPLE, WESTERN LATSON, LLC, A COLORADO LIMITED LIABILITY COMPANY AND COMMONWEALTH TITLE INSURANCE COMPANY, THAT I AM A PROFESSIONAL LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF COLORADO; THAT THIS IMPROVEMENT SURVEY PLAT IS TRUE, CORRECT AND COMPLETE BASED ON MY KNOWLEDGE, INFORMATION AND BELIEF AS LAID OUT AND SHOWN HEREON; THAT THIS IMPROVEMENT SURVEY PLAT IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED; THAT THIS IMPROVEMENT SURVEY PLAT WAS MADE BY ME FROM AN ACCURATE SURVEY OF THE REAL PROPERTY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION ON NOVEMBER 18, 2020; THAT, IN THE PREPARATION OF THIS IMPROVEMENT SURVEY PLAT, I RELIED UPON THE TITLE COMMITMENT PREPARED BY COMMONWEALTH TITLE INSURANCE COMPANY, COMMITMENT NO. 2020-10-78, DATED EFFECTIVE OCTOBER 16, 2020; THAT THE LOCATION AND DIMENSIONS OF ALL BUILDINGS, IMPROVEMENTS, EASEMENTS, RIGHTS OF WAY IN EVIDENCE OR KNOWN TO ME, AND ENCROACHMENTS BY OR ON THE REAL PROPERTY AND MATTERS REFERENCED IN SAID TITLE COMMITMENT CAPABLE OF BEING SHOWN ARE ACCURATELY SHOWN, AND THAT THIS PLAT IS IN ACCORDANCE OF AN IMPROVEMENT SURVEY PLAT AS SET FORTH IN C.R.S. §38-51-102(9).

DATED: NOVEMBER 21, 2020

BY: JASON R. NEIL, P.L.S. NO. 3798
FOR AND ON BEHALF OF
PEAK SURVEYING, INC.

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 THE CERTIFICATION SHOWN HEREON.



Drawn By:	NO.	Date	Revision	By	Project NO.
JRN					20119
Checked By:					
JRN					
Date:					
NOV. 21, 2020					
Computer File:					
119					
CANDACE WHIPPLE CITY OF GLENWOOD SPGS., COLORADO IMPROVEMENT & TOPO SURVEY LOT D, BLK 45 GLENWOOD SPGS. 716 COOPER AVENUE					1 OF 1

NOTE: PROJECT IS PROPOSED TO BE CONSTRUCTED TO EXTENT OF PROPERTY LINES. LANDSCAPE PLAN AND SIMILAR SITE CRITERIA IS NOT APPLICABLE. REFERENCE SHEET A2.2 FOR TRASH ENCLOSURE WHICH IS INCLUDED WITHIN FOOTPRINT OF STRUCTURE.

ROOF PLAN KEYED NOTES:

- RADON RISER TERMINATION. REF. PLANS. PROVIDE POWER AT ROOF FOR FUTURE RADON FAN.
- PRE-FABRICATED 2'-8" X 6'-0" (16 SF CLEAR MIN.) ROOF ACCESS HATCH WITH RETRACTABLE LADDER. PROVIDE 80" CLEAR HEADROOM. PROVIDE GRAB BARS AND EXTENSIONS AS REQ. BY OSHA, REVIEW OSHA FOR ADDITIONAL REQ. PROVIDE FULL SYSTEM FROM SINGLE SOURCE MFR. INSTALL IN ALL RESPECTS PER MFR., PROVIDE PRODUCT DATA FOR REVIEW.
- AREA DRAIN & OVERFLOW
- SINGLE-PLY MEMBRANE SYSTEM, 80 MIL. MIN. (OR APPROVED EQ.) OVER TAPERED INSULATION (1/2"12)
- WOOD DECK TILE & PEDESTAL SYSTEM OVER TAPERED INSULATION

ROOF PLAN NOTES:

- IN THE EVENT OF DIMENSIONAL OR EXISTING CONDITIONS DISCREPANCY, CONTACT ARCHITECT AT (970) 925-1832.
- INSTALL ALL PRODUCTS PER MFR. REQ. AND INDUSTRY STANDARD.
- FOR AREAS TO REMAIN. CONTRACTOR TO PATCH ALL AREAS DAMAGED OR REMOVED DURING CONSTRUCTION.
- ALL ROOF & WALL PENETRATIONS MUST BE COORDINATED W/ ARCHITECT & S.C. PRIOR TO INSTALLATION.
- ALL ROOF & WALL PENETRATIONS TO BE CLUSTERED IN LEAST OBSTRUCTIVE LOCATION AS DETERMINED BY ARCHITECT.
- ALL SEAMS @ FASCIA, FLASHING & ROOFING TO BE COORDINATED W/ ARCHITECT. ALL METAL ROOFING & FLASHING SHALL BE INSTALLED TO AVOID "OIL CANNING." ANY "OIL CANNED" PORTIONS SHALL BE REPLACED AT CONTRACTORS COST.
- CONTRACTOR TO FIELD VERIFY ALL SITE, EXISTING CONDITIONS & DIMENSIONS PRIOR TO CONSTRUCTION.
- PROVIDE TEMPORARY BARRICADES & OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT WORKERS, GENERAL PUBLIC, & PROPERTY FROM INJURY DUE TO CONSTRUCTION.
- COVER & PROTECT ALL EQUIPMENT, FIXTURES & PROPERTY TO REMAIN DURING ALL PHASES OF CONSTRUCTION.
- ALL WALL PROTRUSIONS SHALL BE FLASHED.
- CAULK ALL JOINTS AT AREAS OF TRANSITIONS, CHANGE OF MATERIAL, & AT WINDOWS, DOORS, SOFFITS, PENETRATIONS, ETC.
- VISIBLE FLASHING SHALL MATCH ACCESS. METAL COLOR.

SITE PLAN NOTES:

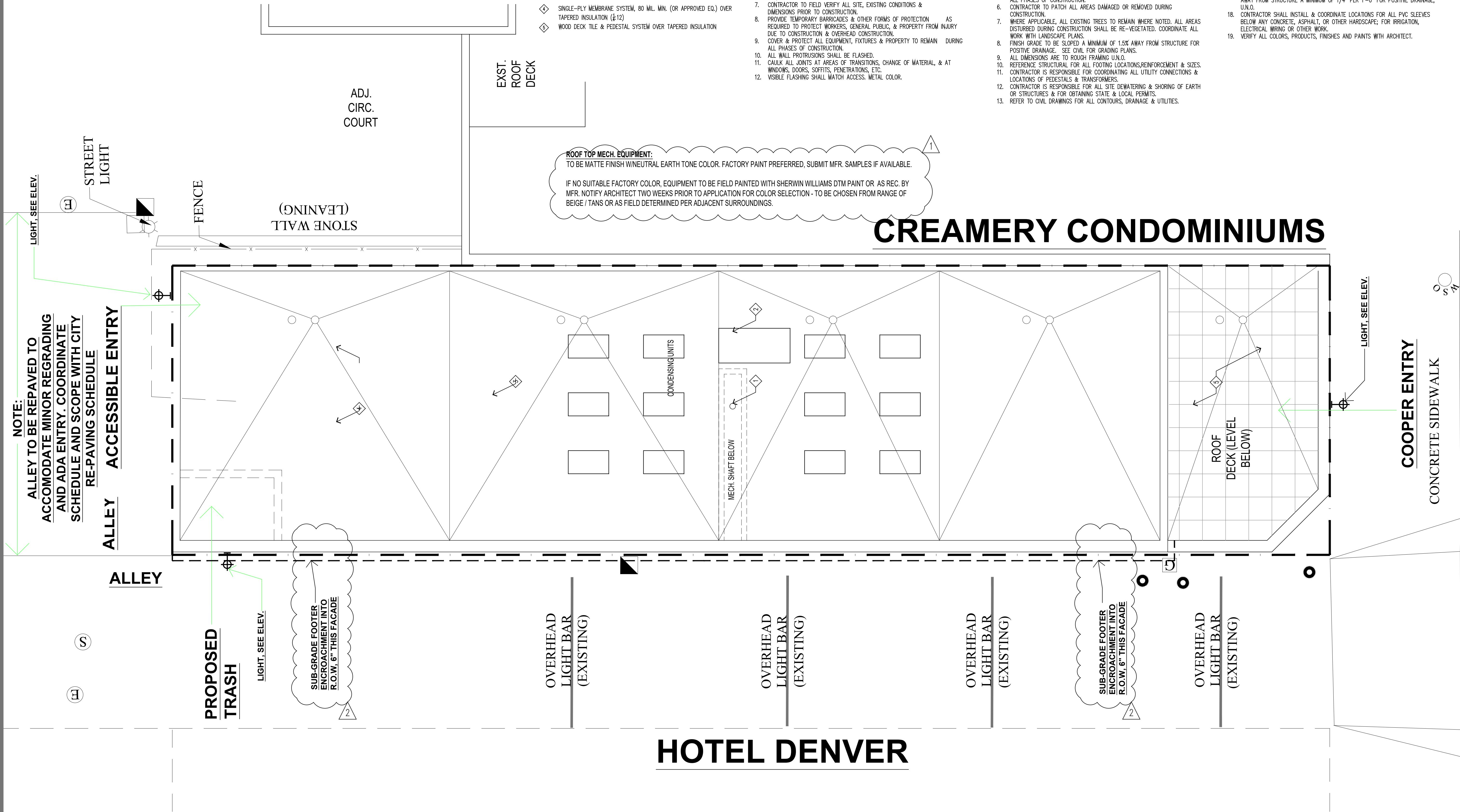
- IN THE EVENT OF DIMENSIONAL OR EXISTING CONDITIONS DISCREPANCY, CONTACT ARCHITECT AT (970) 925-1832.
- CONTRACTOR TO FIELD VERIFY ALL SITE, EXISTING CONDITIONS & DIMENSIONS PRIOR TO CONSTRUCTION.
- ELEMENTS BELOW GRADE ARE UNKNOWN. CARE SHOULD BE TAKEN DURING EXCAVATION & DEMOLITION NOT TO DISTURB ELEMENTS NOT SLATED FOR DEMOLITION. VERIFY LOCATION OF UNDERGROUND UTILITY LINES W/ LOCAL SERVICE DEPARTMENTS.
- PROVIDE TEMPORARY BARRICADES & OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT OWNERS' PERSONAL PROPERTY & GENERAL PUBLIC FROM INJURY DUE TO ALL CONSTRUCTION ACTIVITIES.
- COVER & PROTECT ALL EQUIPMENT, FIXTURES & PROPERTY TO REMAIN DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR TO PATCH ALL AREAS DAMAGED OR REMOVED DURING CONSTRUCTION.
- WHERE APPLICABLE, ALL EXISTING TREES TO REMAIN WHERE NOTED. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RE-VEGETATED. COORDINATE ALL WORK WITH LANDSCAPE PLANS.
- FINISH GRADE TO BE SLOPED A MINIMUM OF 1.5% AWAY FROM STRUCTURE FOR POSITIVE DRAINAGE. SEE CIVIL FOR GRADING PLANS.
- ALL DIMENSIONS ARE TO ROUGH FRAMING UNO.
- REFERENCE STRUCTURAL FOR ALL FOOTING LOCATIONS, REINFORCEMENT & SIZES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITY CONNECTIONS & LOCATIONS OF PEDESTALS & TRANSFORMERS.
- CONTRACTOR IS RESPONSIBLE FOR ALL SITE DEWATERING & SHORING OF EARTH OR STRUCTURES & FOR OBTAINING STATE & LOCAL PERMITS.
- REFER TO CIVIL DRAWINGS FOR ALL CONTOURS, DRAINAGE & UTILITIES.

- REFER TO LANDSCAPE DRAWINGS FOR ALL TREES, PLANTING & SITE STRUCTURES.
- ELECTRICAL CONTRACTOR RESPONSIBLE FOR DETERMINING EXISTING ELECTRICAL TRANSFORMER SIZE & SERVICE, AND COORDINATING LOCATION OF TRANSFORMER W/ LOCAL ELECTRICAL UTILITY COMPANY TO ENSURE LOCATION IS ACCEPTABLE. THIS SHALL BE INCLUDED IN ELECTRICAL CONTRACTORS SCOPE OF WORK.
- UTILITY CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF NEW UNDERGROUND UTILITY LINES W/ OTHER ASPECTS OF THE JOB, INCLUDING BUT NOT LIMITED TO, SURFACE DRAINAGE, LANDSCAPING FEATURES, SITE RETAINING & SHORING WALLS, FOOTINGS, LIGHTING, UTILITIES DESIGN, IRRIGATION, ETC.
- ALL EXTERIOR CONCRETE SLABS, PATIOS, OR OTHER HARDSCAPE ARE TO SLOPED AWAY FROM STRUCTURE A MINIMUM OF 1/4" PER 1'-0" FOR POSITIVE DRAINAGE, UNO.
- CONTRACTOR SHALL INSTALL & COORDINATE LOCATIONS FOR ALL PVC SLEEVES BELOW ANY CONCRETE, ASPHALT, OR OTHER HARDSCAPE, FOR IRRIGATION, ELECTRICAL WIRING OR OTHER WORK.
- VERIFY ALL COLORS, PRODUCTS, FINISHES AND PAINTS WITH ARCHITECT.

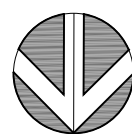


WESTERN APARTMENTS

716 COOPER AVENUE
GLENWOOD SPRINGS, CO 81601



1 SITE / ROOF PLAN
A2.0 1/8" = 1'-0"



PREPARED BY: RJH/MMO
CHECKED BY: SMH

#	DATE	ISSUED FOR
03.30.21	03.30.21	MINOR SITE REVIEW
04.27.21	04.27.21	CONST. PLANS REVIEW
07.14.21	07.14.21	PRICING SET
09.24.21	09.24.21	PERMIT SET
1	01.21.22	FINAL PLANS REVIEW
2	07.25.22	FOUND. R.O.W. ENCRORA

Construction Issue Date: XX.XX.22

Drawing Title:

SITE / ROOF
PLAN

Sheet #:

A2.0

WESTERN HOTEL REMODEL

GLENWOOD SPRINGS CO

PROJECT NO: 2021-04

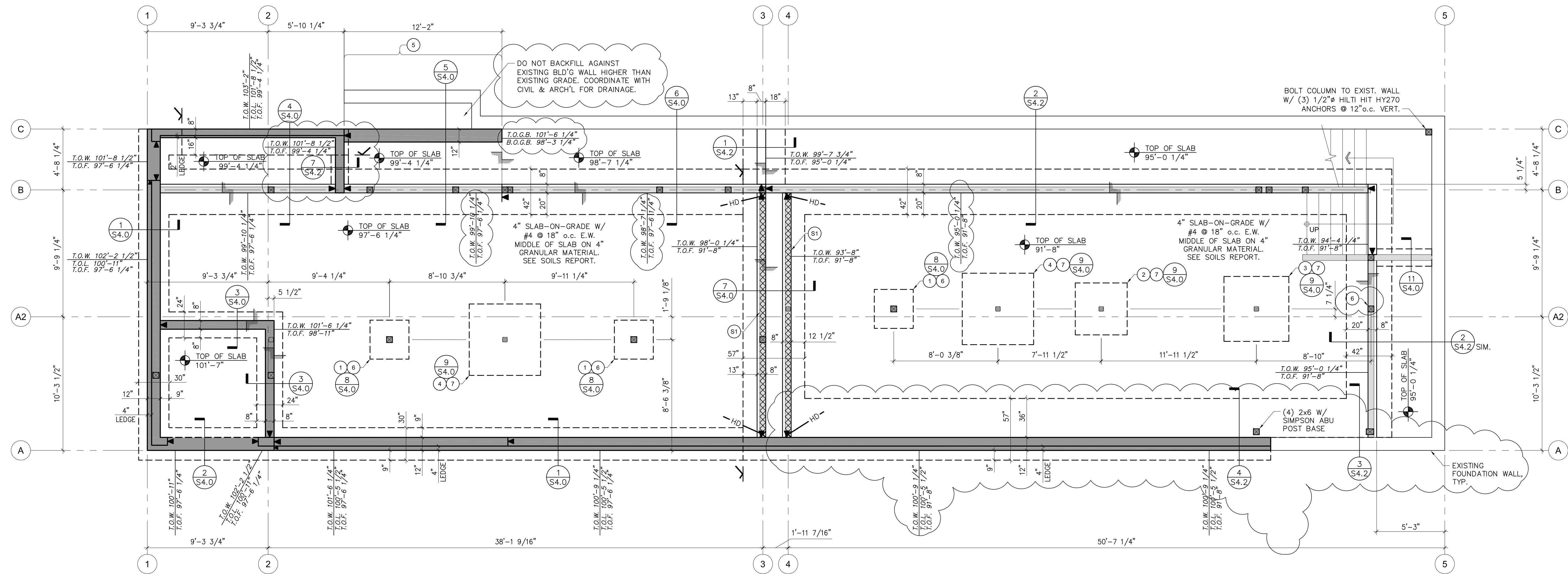
DATE:
PRELIMINARY 05-05-21
PERMIT SET 09-24-21
REVISION 06-30-22
REVISION 07-08-22

STRUCTURAL
FOUNDATION/
BASEMENT
PLAN

SCALE: 1/4" = 1'-0"

S2.0

2021-04 S2.0 LEVEL 0.dwg



NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS INCLUDING THOSE OF THE ADJACENT BUILDING BEFORE STARTING WORK AND NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. DO NOT SCALE DRAWINGS.
2. CONTACT GEOTECH ENGINEER (KUMAR & ASSOCIATES) FOR SITE REVIEW PRIOR TO CONCRETE PLACEMENT.
3. VERIFY TOP-OF-WALL & TOP OF LEDGE ELEVATIONS TO CORRELATE WITH FINAL ALLEY PAVEMENT ELEVATIONS ALONG GRID LINE A. COORDINATE W/ ARCHITECT.

FOUNDATION / BASEMENT PLAN

SCALE: 1/4" = 1'-0"

SITE ELEVATION 5762.73' = DATUM ELEVATION 100'-0"

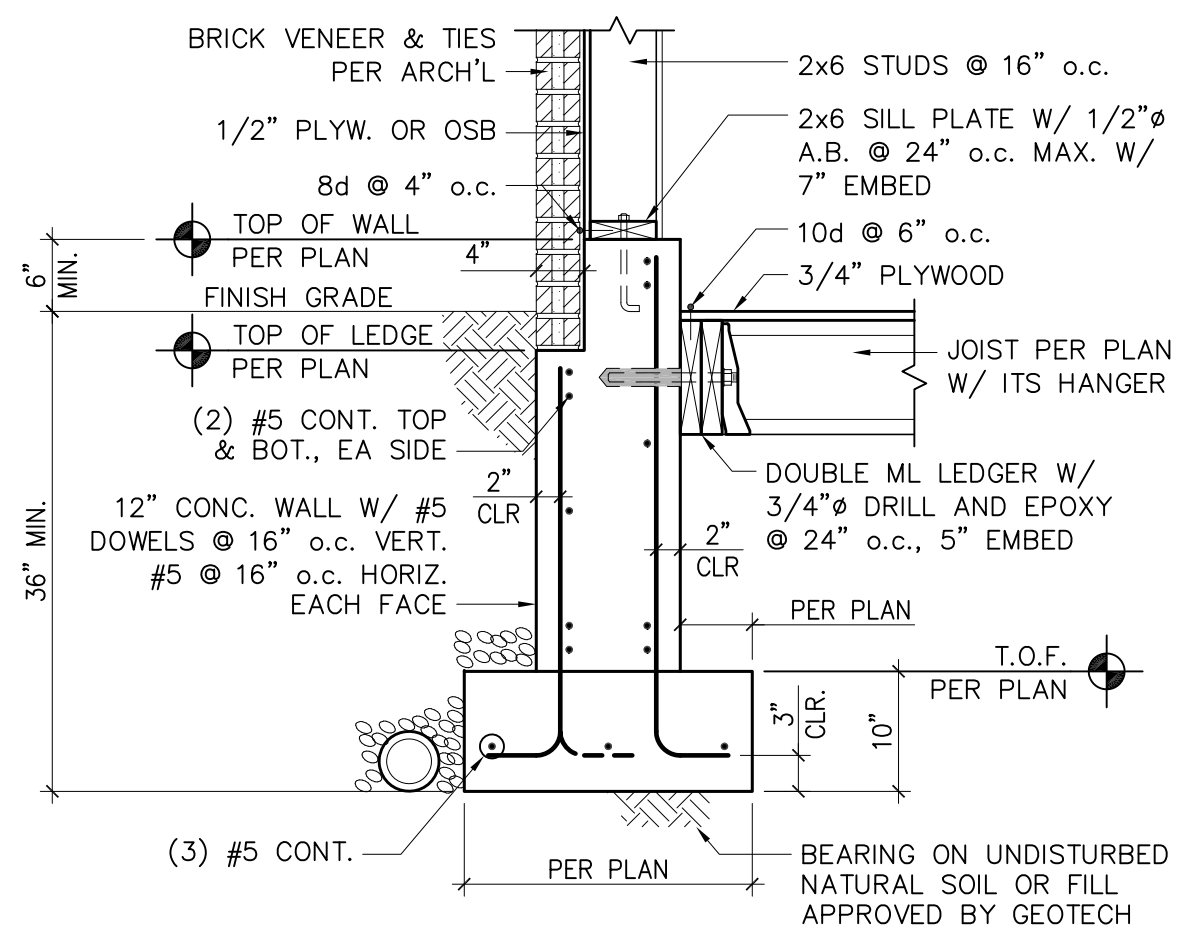


LEGEND:

- STEP FOOTING
- STEP WALL
- WOOD COLUMN (SOLID PACK-OUT EQUAL TO WIDTH OF BEAM ABOVE, U.N.O.)
- STEEL COLUMN
- T.O.W. = TOP OF WALL
T.O.F. = TOP OF FOOTING
- HOLD DOWN - SIMPSON HHQ14 W/ CNW1-7/8 COUPLER TO SB1x30 ANCHOR. SEE DETAIL 10/S4.0.

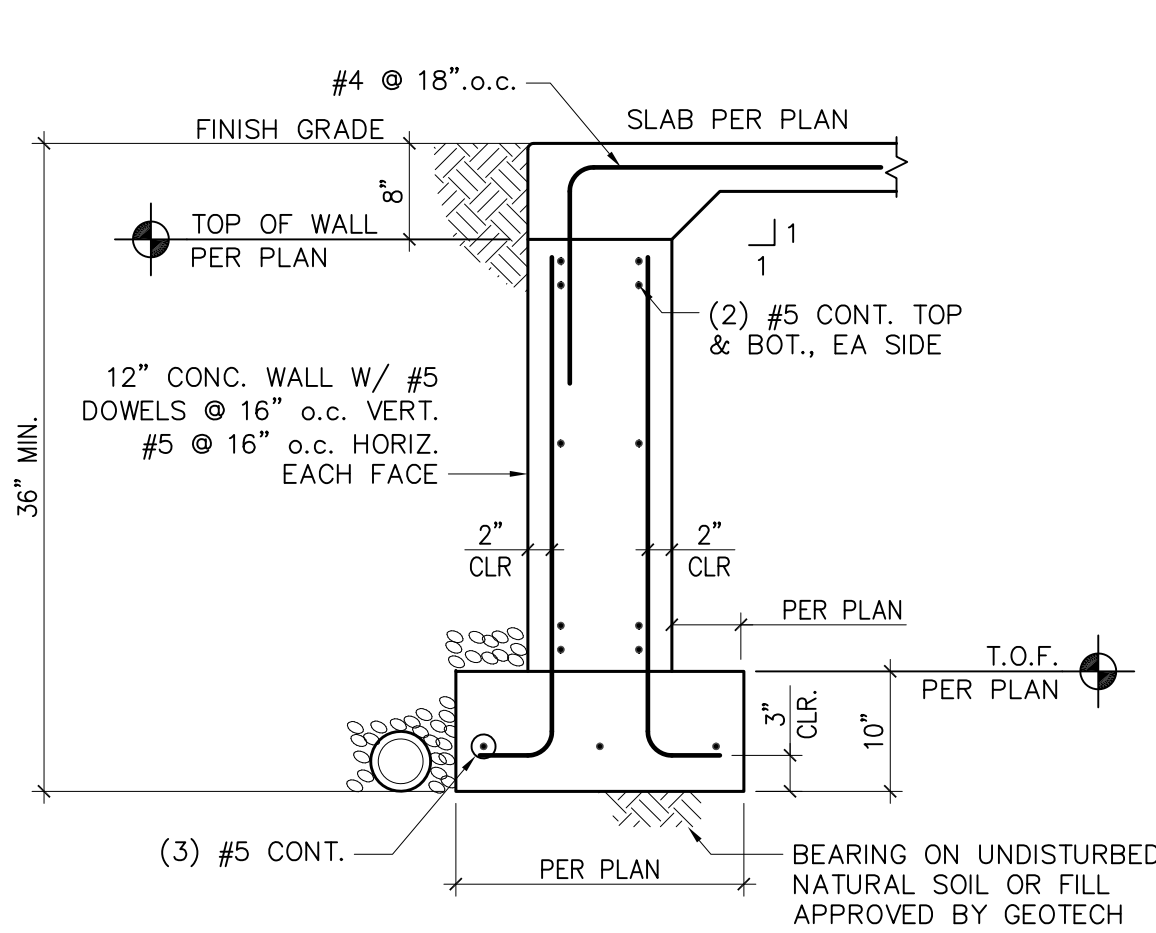
- (S1) SHEARWALL - PLY ONE SIDE W/ 10d @ 3-12
- (1) 36" x 36" x 12" THICK PAD FTG. W/ #5 @ 12" o.c. EA WAY.
- (2) 48" x 48" x 12" THICK PAD FTG. W/ #5 @ 12" o.c. EA WAY.
- (3) 60" x 60" x 12" THICK PAD FTG. W/ #5 @ 12" o.c. EA WAY.
- (4) 66" x 66" x 12" THICK PAD FTG. W/ #5 @ 12" o.c. EA WAY.
- (5) NOT USED
- (6) (4) 2x6 OR 6x6 COLUMN
- (7) HSS4x4x1/4 COLUMN





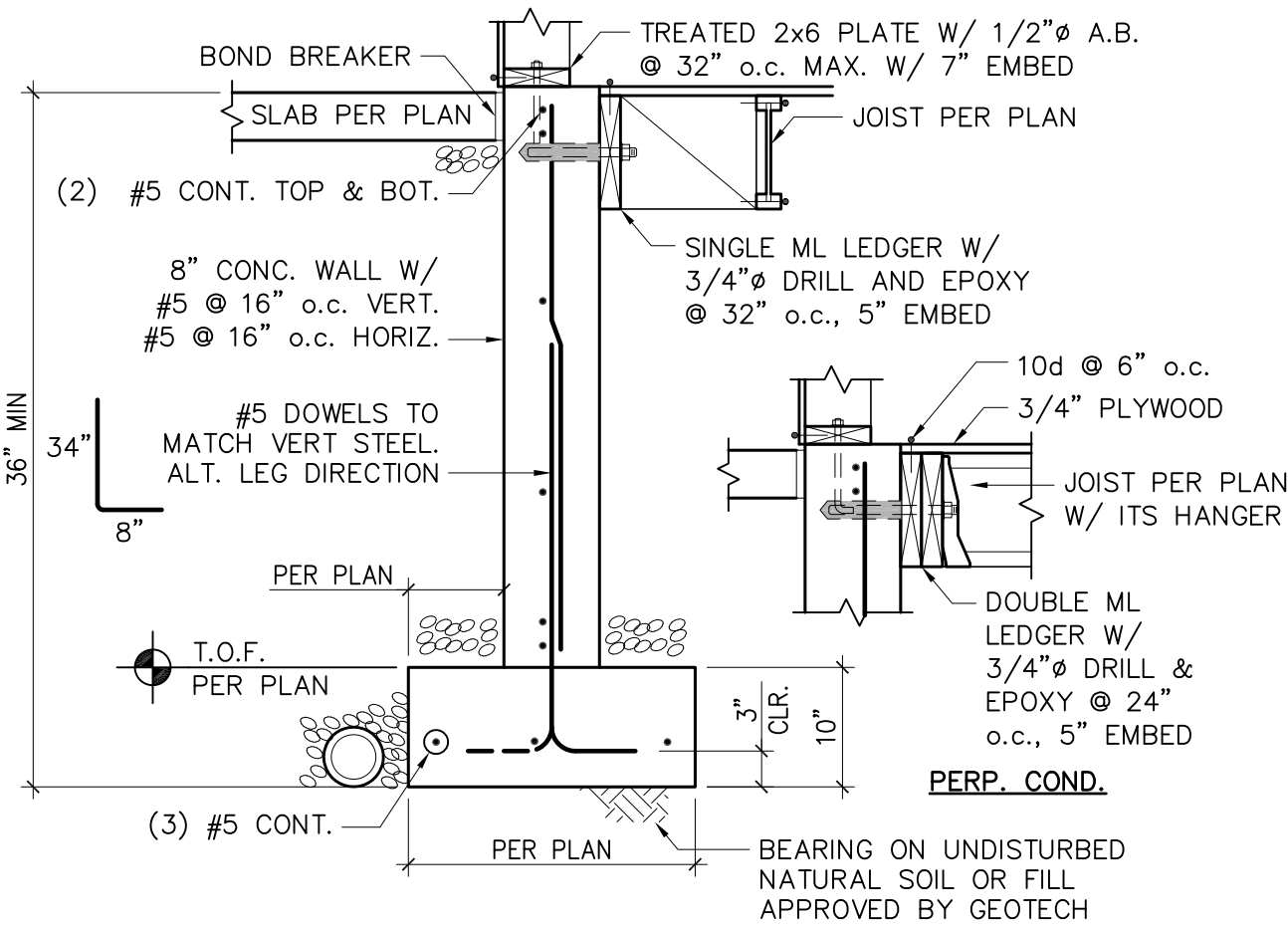
FOUNDATION W/ LEDGE DETAIL

1



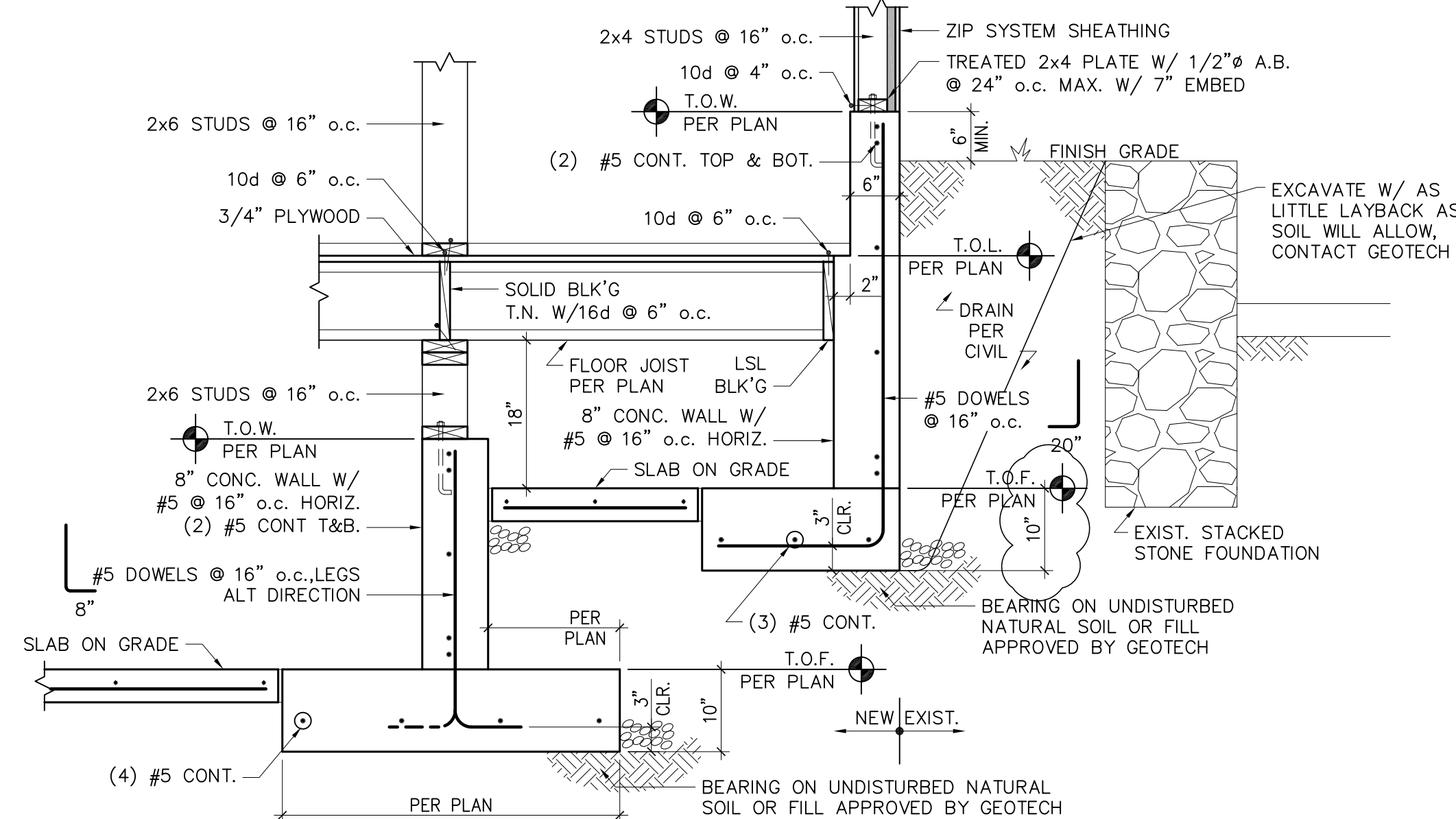
FOUNDATION W/ LEDGE DETAIL

2



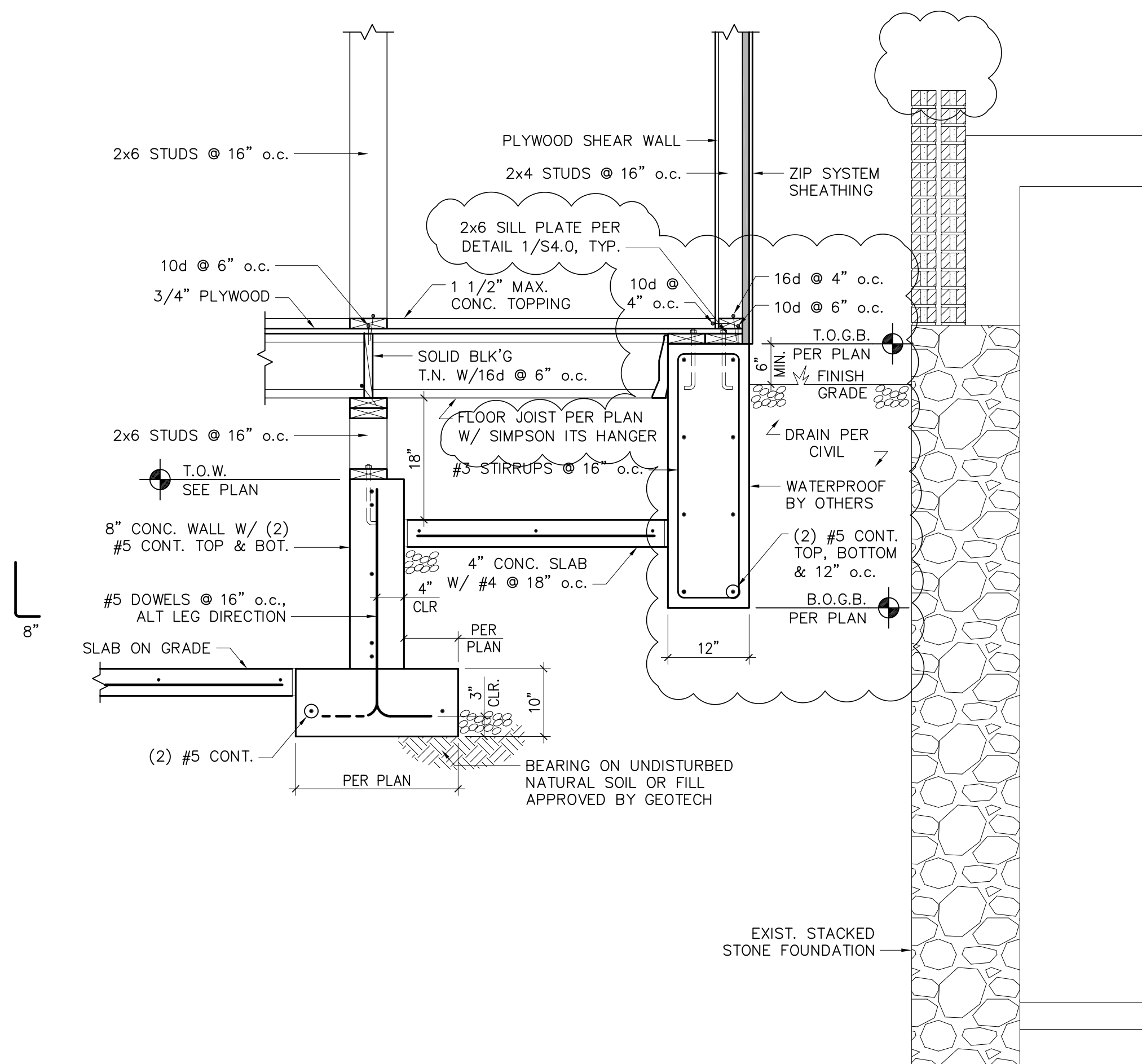
TYPICAL BASEMENT WALL DETAIL

3



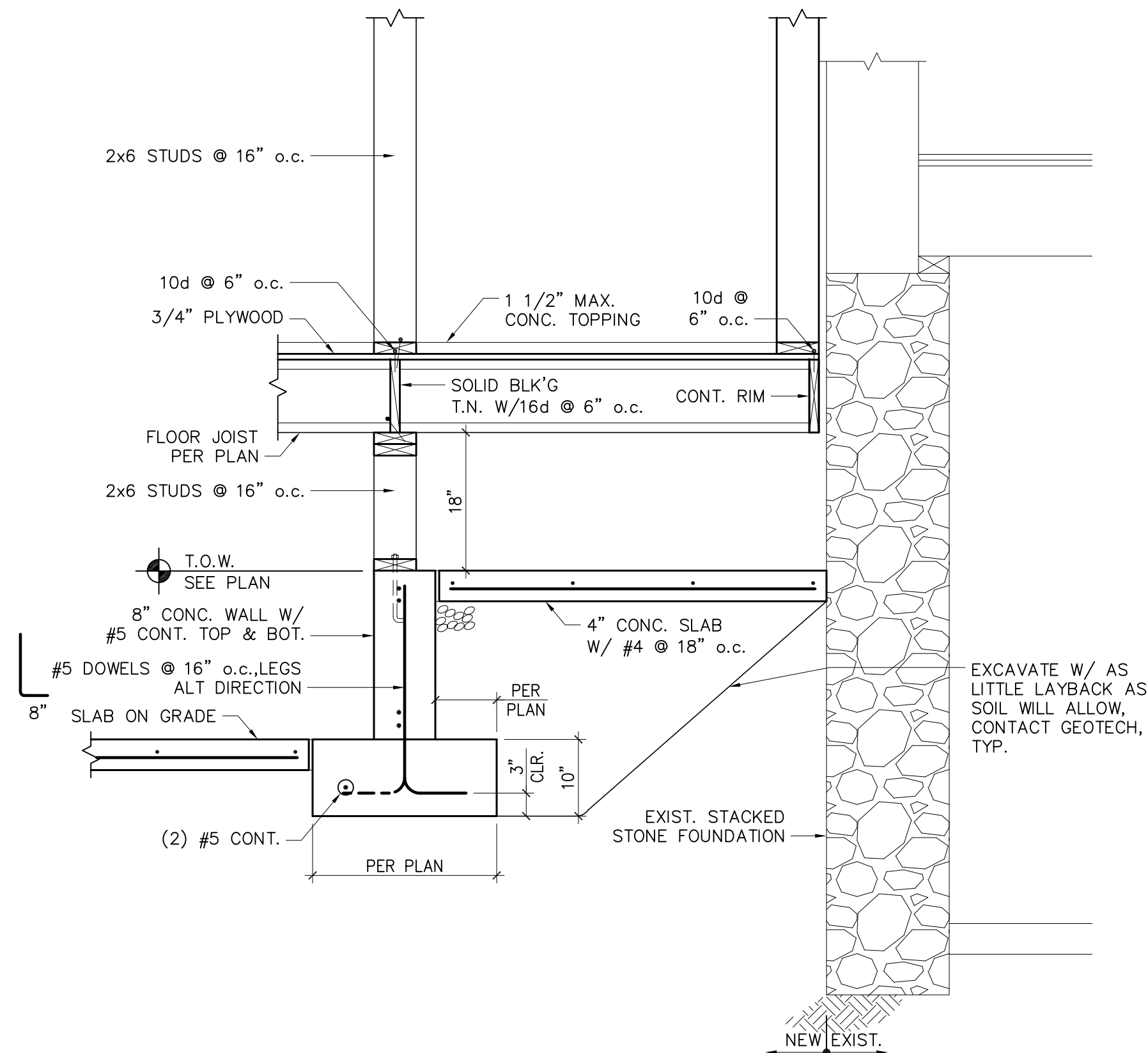
FOUNDATION AT CREAMERY ALLEY

4



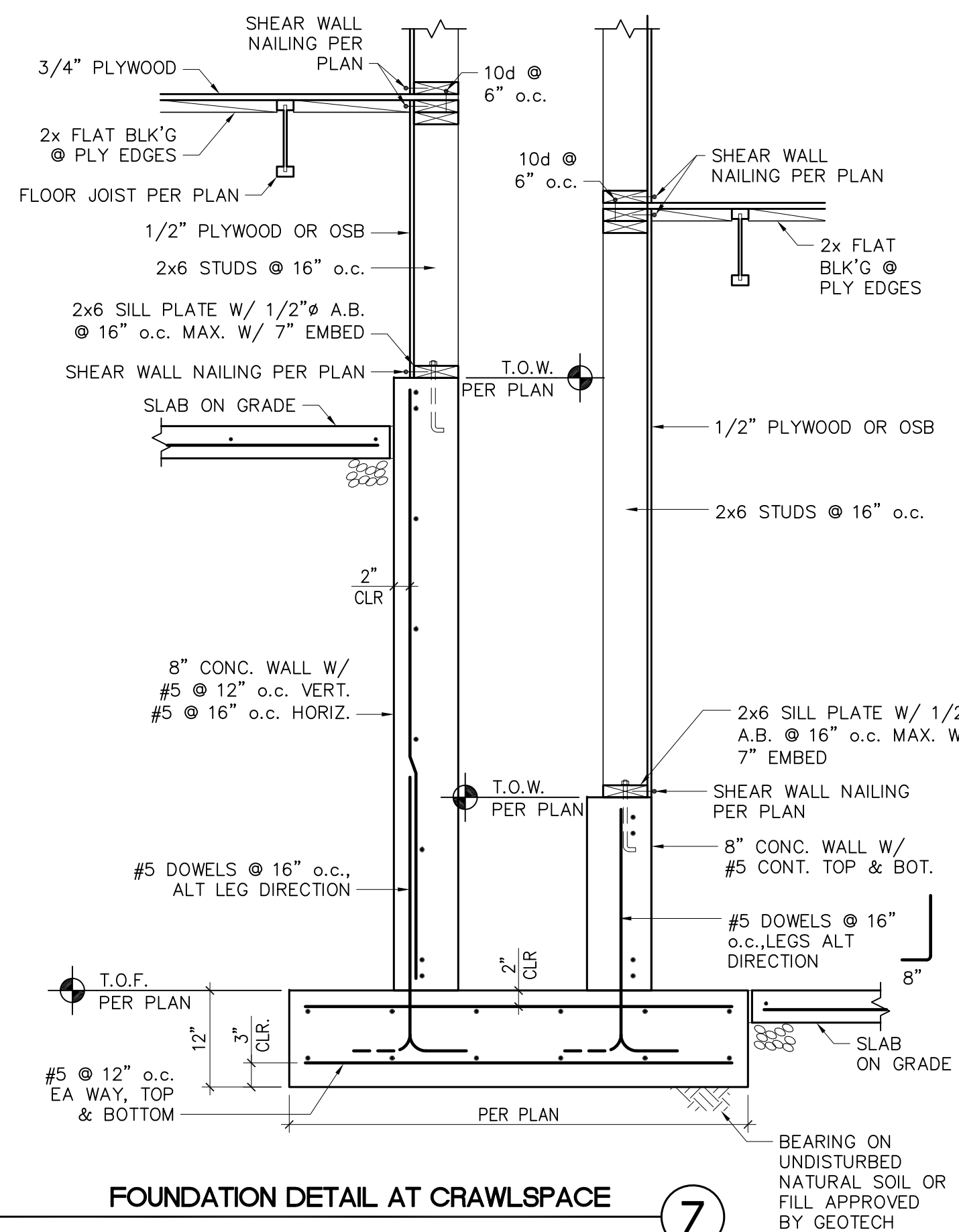
DETAIL AT CREAMERY EXTERIOR DECK

5



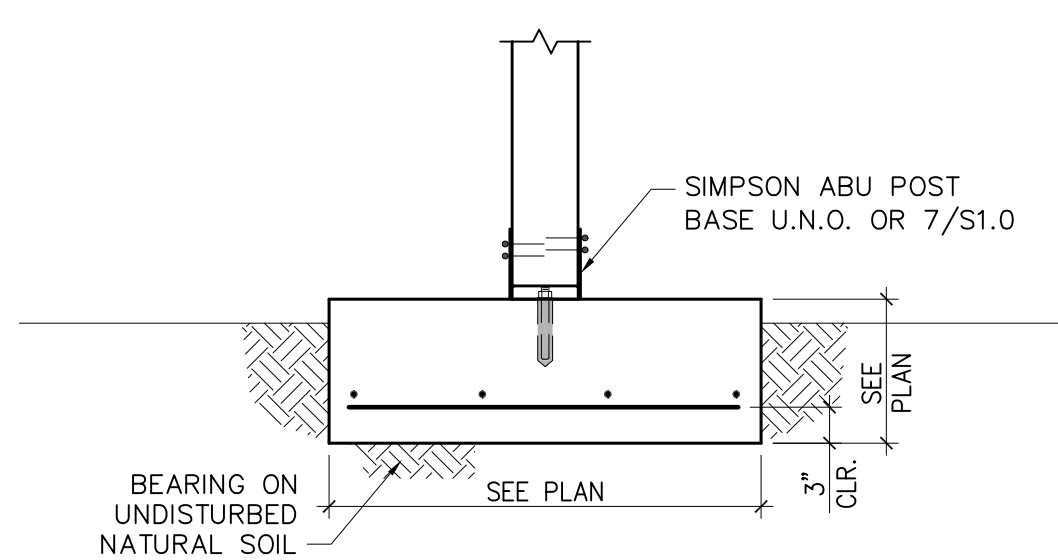
FOUNDATION DETAIL AT CRAWLSPACE

6



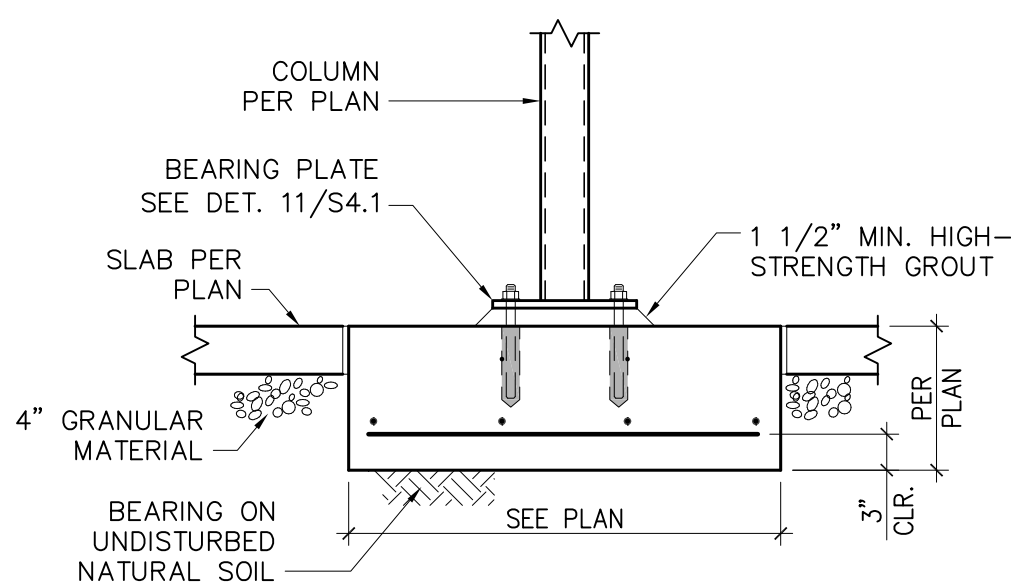
FOUNDATION DETAIL AT CRAWLSPACE

7



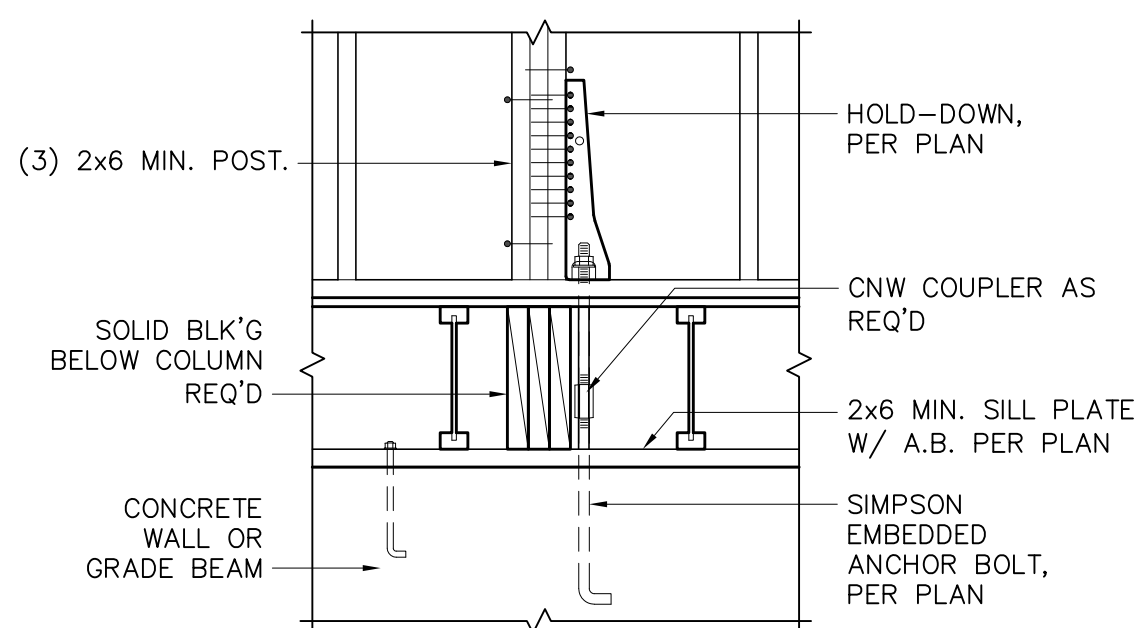
PAD FOOTING DETAIL

8



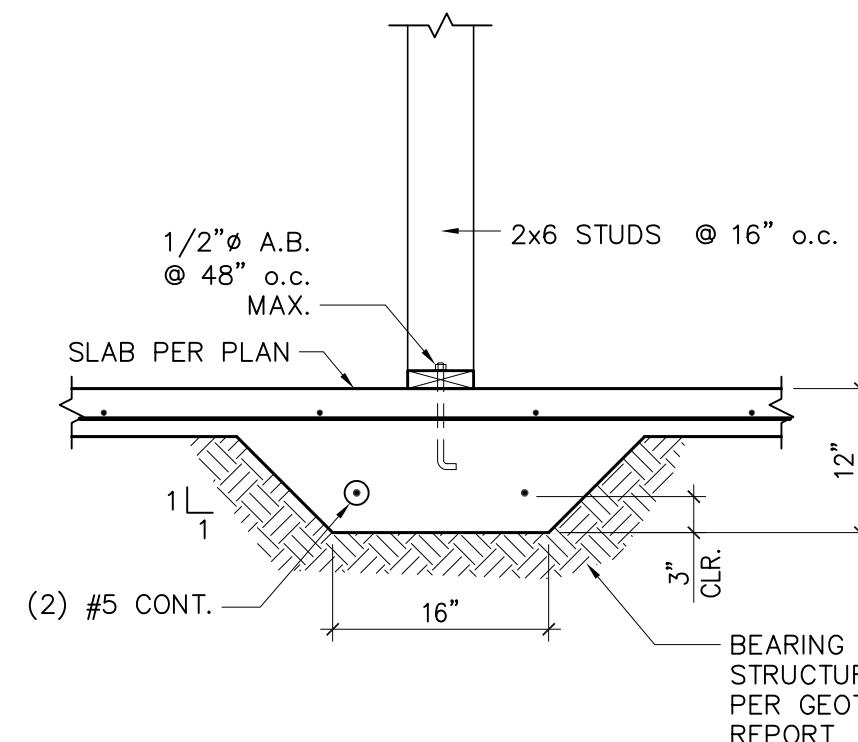
PAD FOOTING DETAIL

9



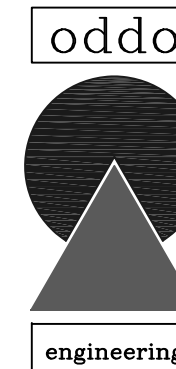
HOLD-DOWN AT CONCRETE WALL DETAIL

10



DETAIL

11



713 COOPER AVE
SUITE 200
GLENWOOD SPRINGS, CO 81601
970-945-1008
ENGINEER R.A.O.
DRAWN BY B.A.H.

WESTERN HOTEL REMODEL

GLENWOOD SPRINGS CO

PROJECT NO: 2021-04

DATE: 05-05-21
PRELIMINARY 09-24-21
PERMIT SET 06-30-22
REVISION 07-08-22

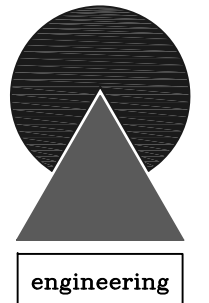
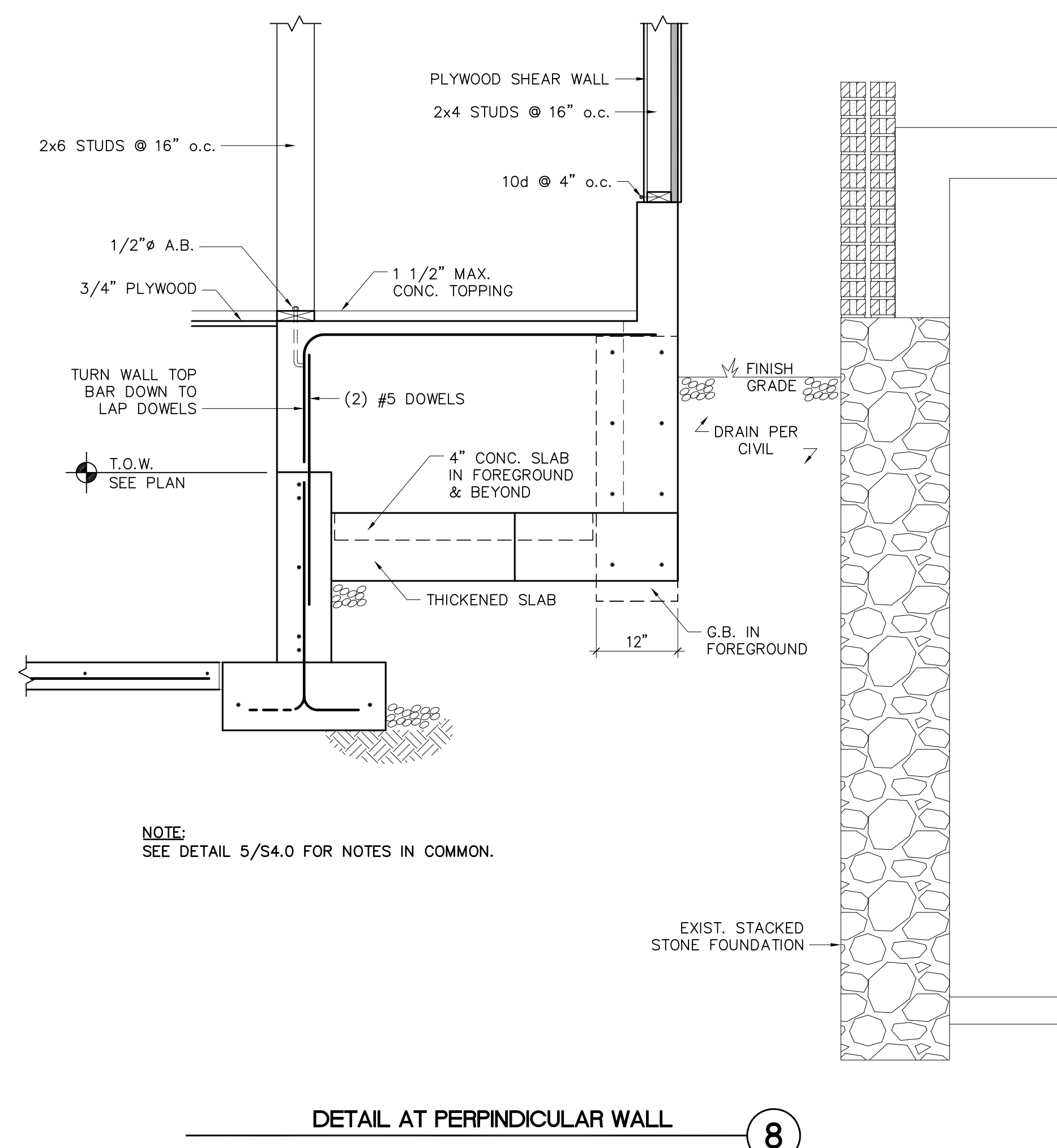
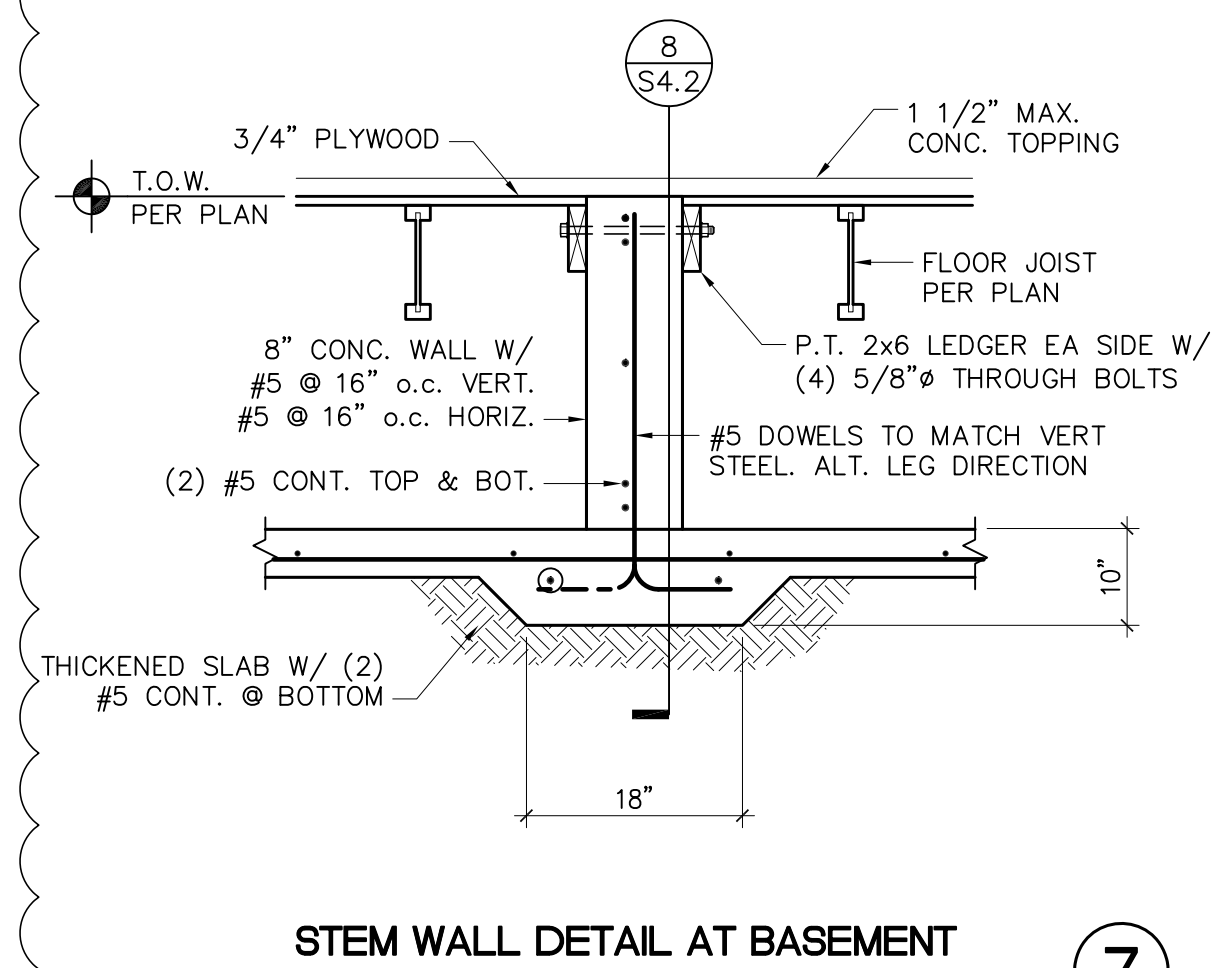
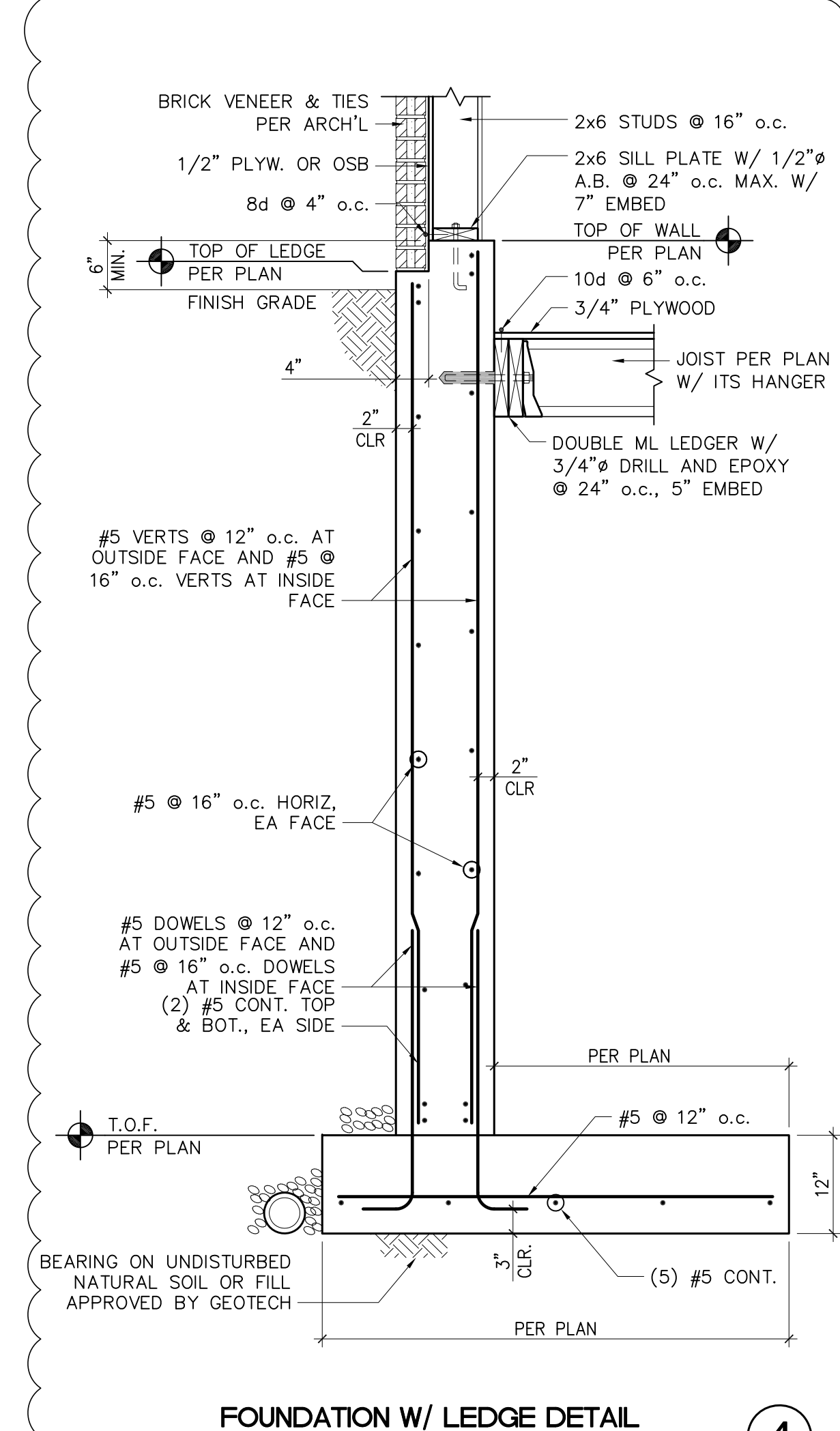
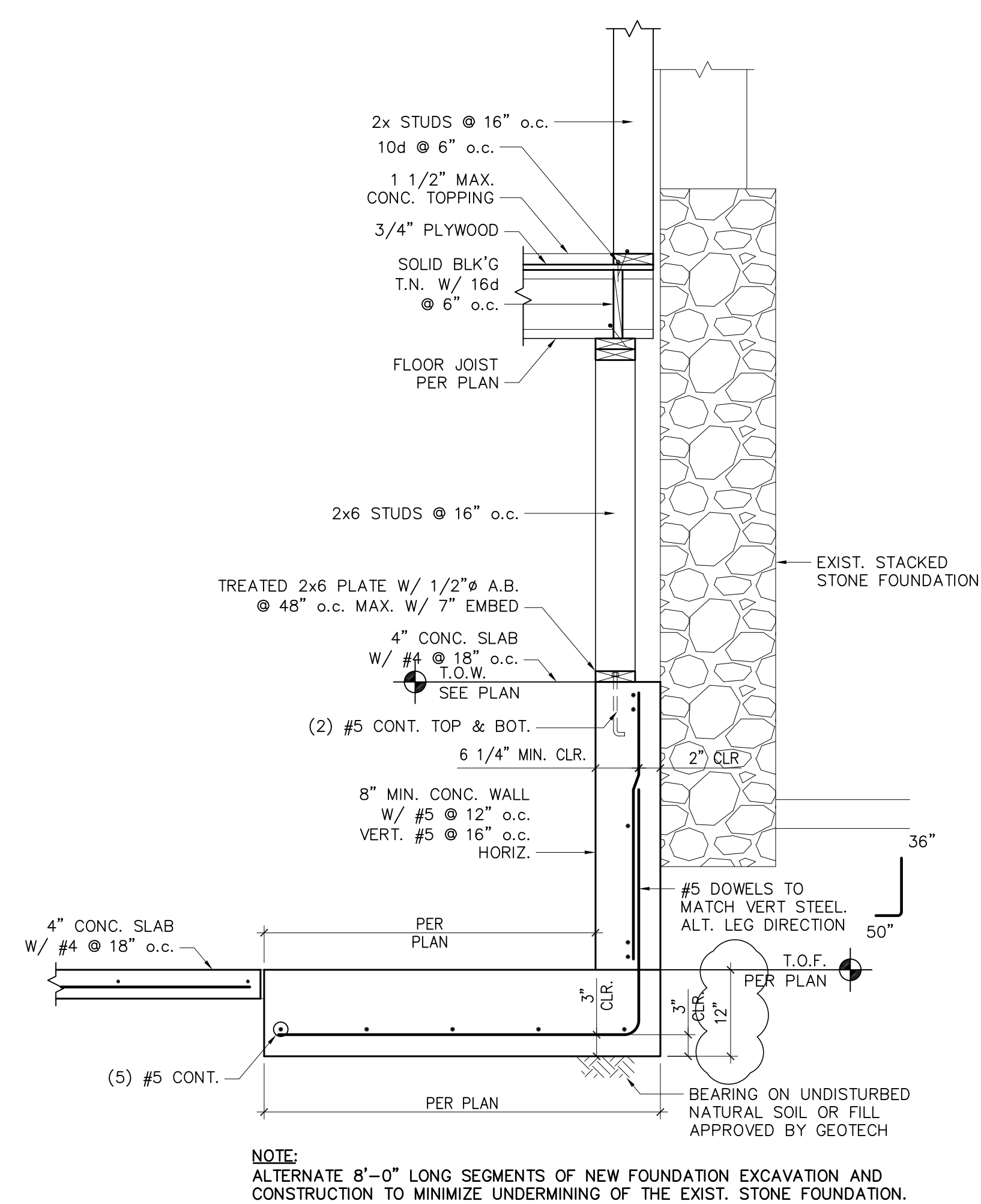
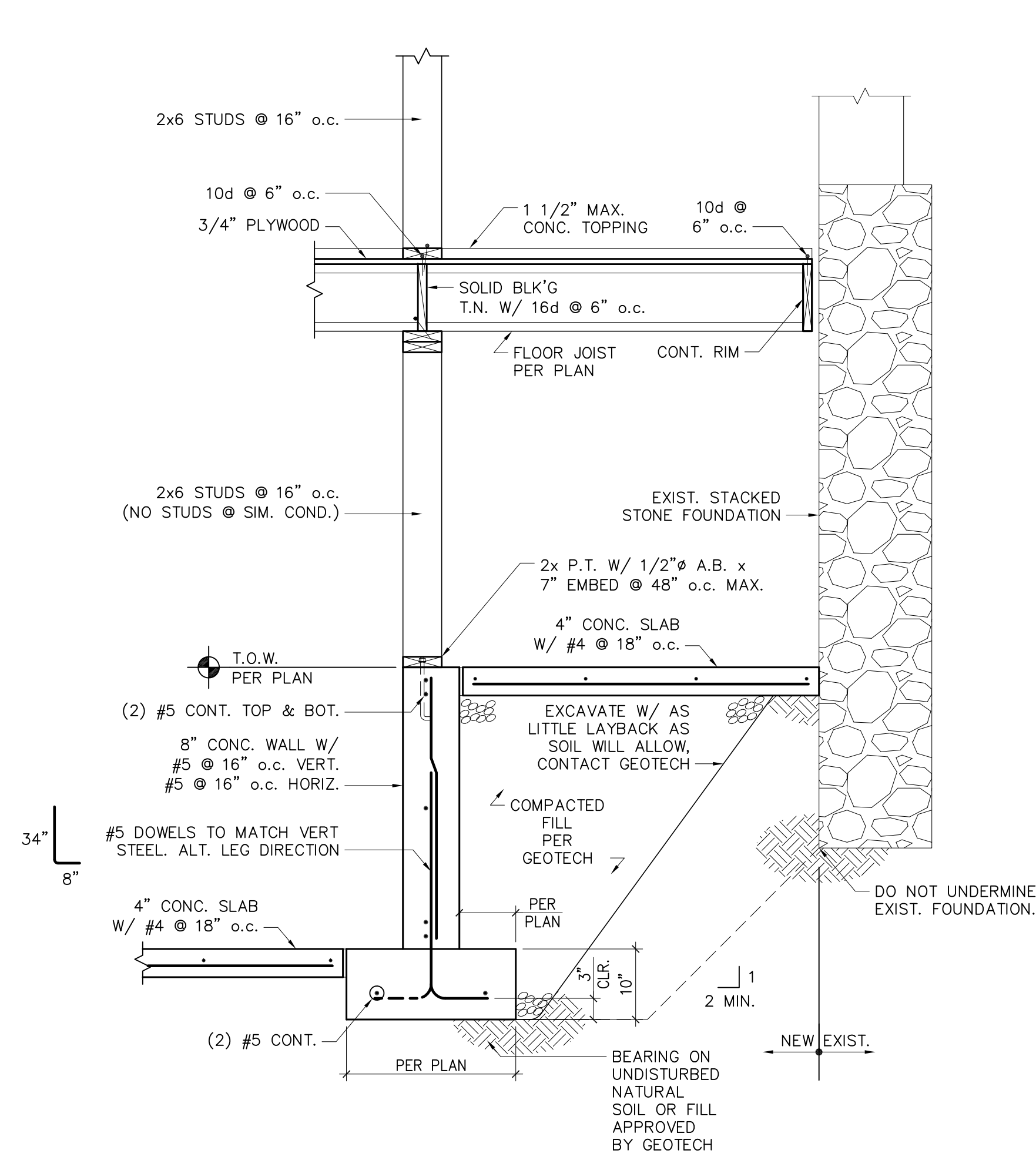
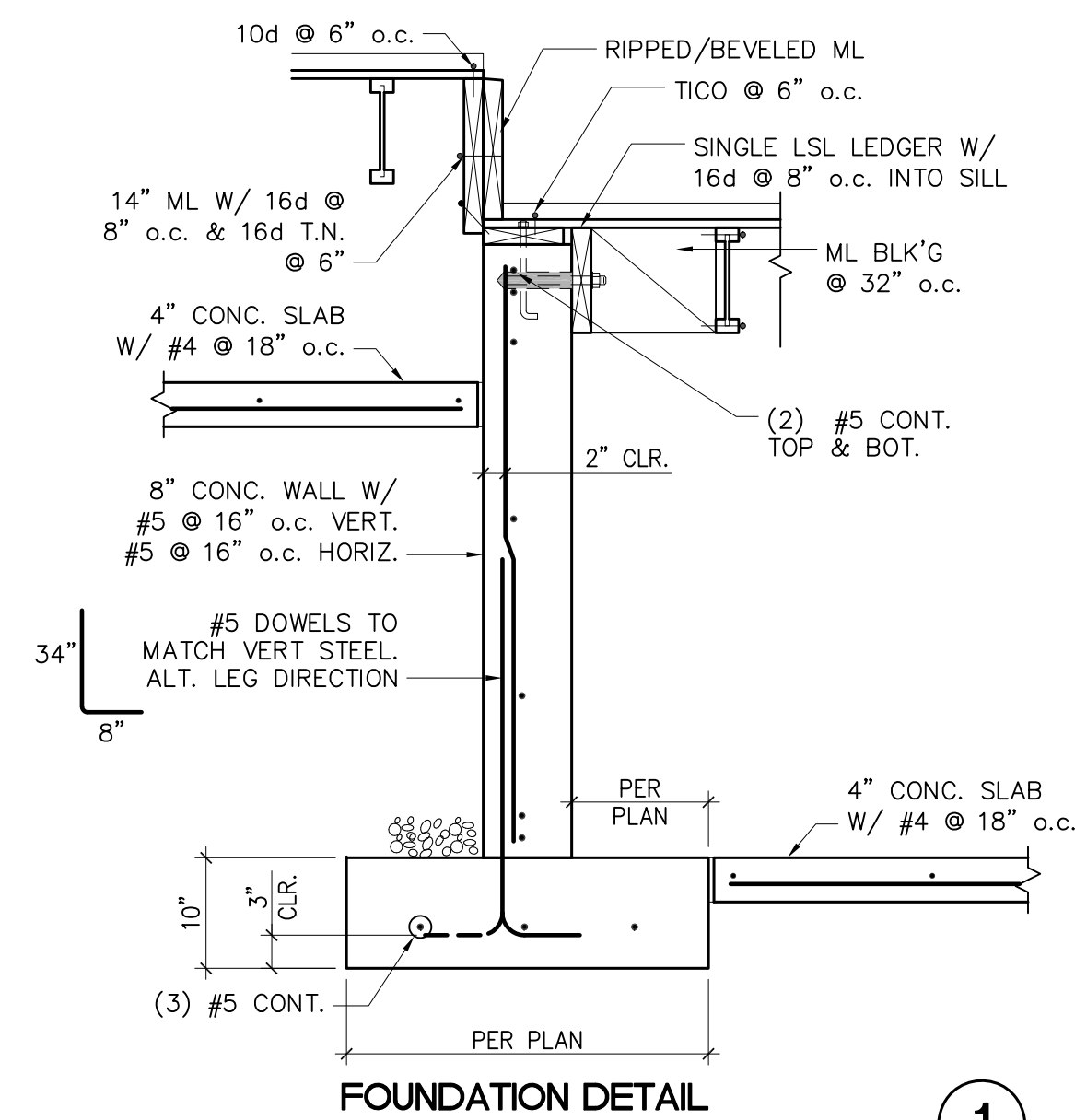
STRUCTURAL
DETAILS

SCALE: 3/4" = 1'-0"

S4.0

2021-04 S4.X DETAILS.dwg





713 COOPER AVE
SUITE 200
GLENWOOD SPRINGS, CO 81601
970-945-1006

ENGINEER R.A.O.
DRAWN BY B.A.H

WESTERN HOTEL REMODEL

GLENWOOD SPRINGS CO

PROJECT NO:	2021-04
-------------	---------

DATE:	
PRELIMINARY	05-05-21
PERMIT SET	09-24-21
REVISION	06-30-22
REVISION	07-08-22

STRUCTURAL DETAILS

SCALE: 3/4" = 1'-0"

S4.2

2021-04 S4.X DETAILS.dwg



Glenwood Springs – Main Office

201 14th Street, Suite 200
P. O. Drawer 2030
Glenwood Springs, CO 81602

Aspen

323 W. Main Street
Suite 301
Aspen, CO 81611

Montrose

1544 Oxbow Drive
Suite 224
Montrose, CO 81402

Office: 970.945.2261

Fax: 970.945.7336

[**Direct Mail to Glenwood Springs*](#)

DATE: August 11, 2022
TO: Glenwood Springs Mayor and Council
FROM: Karp Neu Hanlon, P.C.
RE: Ordinance No. 10 – Issue Committee Contribution Limits

Under cover of this memo is an ordinance responsive to the request from Council to review the current blanket aggregate contribution limit of \$400 per person to any committee, as it applies only to issue committees. The ordinance will provide for a different limit on contributions to an issue committee, in an amount to be determined by Council.

ORDINANCE NO. 10

Series of 2022

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO AMENDING SECTION 010.030.030 OF THE GLENWOOD SPRINGS MUNICIPAL CODE.

WHEREAS, the City of Glenwood Springs (“Glenwood Springs” or the “City”) is a home-rule municipality organized under Article XX of the Colorado Constitution and with the authority of the Glenwood Springs Home Rule Charter; and

WHEREAS, pursuant to its home rule authority, the City, acting through its City Council (the “Council”), is authorized to adopt ordinances amending the Municipal Code; and

WHEREAS, Article 010.030 of the Glenwood Springs Municipal Code regulates the conduct of elections and campaign finance; and

WHEREAS, the City Council finds and declares that the amendments to Article 010.030 set forth in **Exhibit A**, attached hereto and incorporated herein by this reference, are in the best interest of the City.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AS FOLLOWS:

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

Section 2. Article 010.030 of the Glenwood Springs Municipal Code is hereby amended as set forth in **Exhibit A** attached hereto.

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.

Section 4. With the exception of the provisions of the Municipal Code of the City of Glenwood Springs which are modified as provided herein, all remaining provisions of the Municipal Code of the City of Glenwood Springs shall remain in full force and effect.

INTRODUCED, READ ON FIRST READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY THIS ____ DAY OF AUGUST 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, AND ORDERED PUBLISHED BY
TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND
PUBLICATION THIS _____ DAY OF _____ 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

EXHIBIT A

The following section of the Municipal Code is amended as follows with double underlined text added and ~~strike through text deleted~~.

010.030.040 - Municipal campaign contribution limits.

- (a) Except as provided in subsection (b) of this Section, ~~No~~ person shall make contributions to any single committee that, in the aggregate, exceeds four hundred dollars (\$400.00) with respect to any election cycle in which such committee is participating in a municipal election.
- ~~(b)~~ No person shall make contributions to any single issue committee, as defined in section 2 (10) of article XXVIII of the state constitution, that, in aggregate, exceed dollars (\$) with respect to any election cycle in which such committee is participating in a municipal election.
- ~~(b)~~ For the avoidance of doubt and in accordance with the Fair Campaign Practices Act rules at 8 CCR 1505-6, contributions may only be made to a committee, and not to any individual candidate.
- ~~(e)~~ For the purposes of this section, words shall have the meanings defined in 8 CCR 1505-6—Rules Concerning Campaign and Political Finance; Rule 1 Definitions, as may be amended.



City Council
STAFF REPORT
City of Glenwood Springs
January 20, 2022

Agenda Item:	Ordinance 2022-02; Campaign Finance, 2nd Reading
Action Requested:	Approval of Ordinance.
Department:	Attorney
Strategic Goals:	Provide Efficient and Responsive City Government
Background Info:	Ordinance 2022-02; Campaign Finance, adopts procedures for filing and reviewing campaign finance complaints. It also sets an individual campaign contribution limit of \$400 per committee. All other rules not set in this ordinance default to the State Fair Campaign Practice Act rules.
Issues:	None
Staff Recommendation:	Staff recommends approval

ORDINANCE NO. 02

Series of 2022

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING ARTICLE 010.030 OF THE GLENWOOD SPRINGS MUNICIPAL CODE TO PROVIDE FOR A PROCESS ADDRESSING COMPLAINTS ALLEGING CAMPAIGN FINANCE LAW VIOLATIONS AND ADOPTING VARIOUS ELECTION LAWS BY REFERENCE.

WHEREAS, the City of Glenwood Springs (“Glenwood Springs” or the “City”) is a home- rule municipality organized under Article XX of the Colorado Constitution and with the authority of the Glenwood Springs Home Rule Charter; and

WHEREAS, pursuant to its home rule authority, the City, acting through its City Council (the “Council”), is authorized to adopt ordinances regulating matters concerning campaign finance in municipal elections, including the provision of a complaint process relating thereto; and

WHEREAS, in its 2019 Regular Session, the Colorado General Assembly adopted SB19-232, which provides, inter alia, that “any complaint arising out of a municipal campaign finance matter must be exclusively filed with the clerk of the ...municipality”; and

WHEREAS, the 2019 legislation necessitates an update to the process by which the City may address complaints alleging violation the campaign finance laws applicable in City elections, which update also presents an opportunity to clarify which laws govern City elections.

WHEREAS, the City Council finds and declares that the amendments to Article 010.030 set forth in **Exhibit A**, hereto and incorporated herein by this reference, are in the best interest of the City.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, ORDAINS:

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

Section 2. Article 010.030 of the Glenwood Springs Municipal Code is hereby amended as set forth in **Exhibit A** attached hereto.

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.

Section 4. With the exception of the provisions of the Municipal Code of the City of Glenwood Springs which are modified as provided herein, all remaining provisions of the Municipal Code of the City of Glenwood Springs shall remain in full force and effect.

INTRODUCED, READ ON FIRST READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY THIS 6TH DAY OF JANUARY 2022.

CITY OF GLENWOOD SPRINGS, COLORADO



Jonathan Godes, Mayor

ATTEST:



Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, AND ORDERED PUBLISHED BY
TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND
PUBLICATION THIS 20TH DAY OF JANUARY 2022.

CITY OF GLENWOOD SPRINGS, COLORADO



Jonathan Godes, Mayor

ATTEST:



Ryan Muse, City Clerk

010.030.030 – State Election Codes Adopted

Except as otherwise provided by charter or ordinance, including the provisions of this chapter, the following statutes and their implementing rules and regulations, as the same presently exist or as they may be in the future amended, are hereby adopted by the City and shall govern the conduct of all elections held within the City:

- (a) C.R.S. 31-10-101 et seq., also known as the "Colorado Municipal Election Code;"
- (b) C.R.S. 1-1-102 et seq., also known as the "Uniform Election Code;" and
- (c) C.R.S. 1-45-101 et seq., also known as the "Fair Campaign Practices Act;"
- (d) C.R.S. 31-11-101 et seq., the law governing municipal initiatives, referenda and referred measures;
- (e) C.R.S. 31-4-501, et seq., the law governing municipal recalls; and
- (f) C.R.S. 31-2-201, et seq., the law governing the adoption and amendment of the Home Rule Charter.

010.030.040 – Municipal Campaign Contribution Limits.

- (a) No person shall make contributions to any single committee that, in the aggregate, exceeds four hundred dollars (\$400.00) with respect to any election cycle in which such committee is participating in a municipal election.
- (b) For the avoidance of doubt and in accordance with the Fair Campaign Practices Act rules at 8 CCR 1505-6, contributions may only be made to a committee, and not to any individual candidate.
- (c) For the purposes of this Section, words shall have the meanings defined in 8 CCR 1505-6 – Rules Concerning Campaign and Political Finance; Rule 1 Definitions, as may be amended.

010.030.050 - Fair campaign practices; enforcement of municipal campaign finance complaints.

- (a) Any person who asserts that a violation of Article XXVIII of the Colorado Constitution, the Colorado Fair Campaign Practices Act (C.R.S. §§ 1-45-101 et seq.), or the implementing rules at 8 CCR 1505-6, as amended, has occurred related to a City election may file a written complaint with the City Clerk.
- (b) Complaints must be filed no later than thirty (30) calendar days after the complainant knew or should have known by the exercise of reasonable diligence of the alleged violation.
- (c) A complaint shall include the following information and any other information that the City Clerk deems necessary to process the complaint:
 - (1) The name, address, e-mail address, telephone number and signature of the complainant (if the complainant is represented by counsel, include the counsel's name, address, e-mail address, telephone number and signature along with the name, address, e-mail address, telephone number and signature of the complainant);

- (2) The name and, if known, the telephone number, email address, and mailing address of the respondent(s) (or each person alleged to have committed a violation);
 - (3) The particulars of the alleged violation(s), including the specific factual and legal basis for the allegation(s); and
 - (4) Documentation or other evidence supporting the allegation(s).
- (d) A complaint may be submitted by personal delivery, mail, or electronically.
- (e) Initial review of complaint.
- (1) The City Clerk will review the complaint to determine:
 - (A) Whether the complaint was timely filed in accordance with this section;
 - (B) Whether the complainant has specifically identified a violation(s) of Article XXVIII of the Colorado Constitution, the Colorado Fair Campaign Practices Act, or any local campaign finance laws or rules adopted and promulgated by the City concerning a municipal election;
 - (C) Whether the complainant has alleged sufficient facts and or provided sufficient information to support a legal and factual basis for the complaint; and
 - (D) Whether it is possible through reasonable efforts, to identify the subject(s) of the complaint. If the subject is identifiable, the City Clerk shall promptly notify the subject of the complaint in writing.
 - (2) Within fifteen (15) business days of receiving the complaint, the City Clerk must take one or more of the following actions following initial review:
 - (A) If the City Clerk determines that the complaint fails to satisfy all of the criteria in subsection (e)(1), the City Clerk will dismiss the complaint and notify the complainant and respondent of the reasons for dismissal. The City Clerk's determination and dismissal are a final decision.
 - (B) If the City Clerk determines that the complaint satisfies all of the criteria in subsection (e)(1), and alleges one (1) or more curable violations as described in subsection (f), the City Clerk will notify the respondent(s) in writing and provide an opportunity to cure as described in subsection (g), holding in abeyance any alleged violations that may not be curable.
 - (C) If the City Clerk determines that the complaint satisfies all of the criteria in subsection (e)(1), and that none of the alleged violations are curable, the City Clerk will proceed to set the matter for a hearing as described herein.
- (f) Curing violations.
- (1) Upon the City Clerk's determination that a complaint alleges a failure to file or otherwise disclose required information, or other curable violation, the City Clerk will notify the respondent(s) in writing and advise them of the curable deficiencies alleged in the complaint.
 - (2) Respondents shall have fifteen (15) business days from the date the notice is issued by the City Clerk to cure the alleged violation(s) and to notify the City Clerk, in writing, of actions taken to cure the alleged violation(s).

- (3) The City Clerk will determine, within seven (7) business days of receipt of the respondent's notice of proposed cure, or, if no response, upon expiration of the cure period, whether the respondent(s) cured the violation(s), and if so, whether the respondent(s) "substantially complied" or acted in "good faith" as described herein. The City Clerk may ask the respondent(s) to provide additional information, and may grant an extension of time to cure the violation(s).
 - (A) If the City Clerk determines that the respondent(s) substantially complied or acted in good faith in curing any alleged violation, the City Clerk will dismiss the complaint as to such violation. The City Clerk's determination and dismissal are a final decision.
 - (B) If the City Clerk determines that the respondent neither substantially complied nor acted in good faith in curing any alleged violation, the City Clerk shall set the matter for a hearing and notify the complainant and respondent in writing.
 - (C) The City Clerk will schedule a hearing with respect to any alleged violations held in abeyance after the City Clerk's initial evaluation of the complaint.
 - (4) In determining whether an entity "substantially complied," the City Clerk must consider:
 - (A) The extent of the noncompliance;
 - (B) The purpose of the provision violated and whether that purpose was substantially achieved despite the noncompliance; and
 - (C) Whether the noncompliance can properly be viewed as an intentional attempt to mislead the electorate or election officials.
 - (5) In determining whether an entity registered or disclosed in "good faith," the City Clerk may consider whether ten (10) percent or less of either the entity's disclosures or, alternatively, the reported dollar amounts required on the report or appearing on the filed reports at issue in the complaint are out of compliance.
- (g) Hearing.
- (1) When required, a hearing before the City Clerk shall be scheduled as soon as practicable with due regard for the convenience and necessity of the parties but, unless an extension of time is granted by the City Clerk, the hearing shall be held within fifteen (15) business days after the date of notice to the parties. The City will not be a necessary party to the hearing and will not represent either the complainant, or respondent, but may intervene as a party on its own behalf.
 - (2) Notice of the hearing shall include any applicable rules of the City Clerk governing the hearing process and the respondent(s) shall also receive a copy of the entire complaint received by the City Clerk.
 - (3) Upon written motion, the City Clerk may grant either party a continuance of up to thirty (30) calendar days upon a showing of good cause.
 - (4) Upon the request of either party, the City Clerk may issue administrative subpoenas requiring the attendance of a witness or party in relation to an alleged local campaign finance violation, which shall be served on the party to whom it is directed by the

requesting party pursuant to Rule 4, Colorado Rules Civil Procedure ("C.R.C.P."). It shall be unlawful for a witness or party to fail to comply with such subpoena.

- (5) The hearing shall be electronically recorded and held in substantial conformance with such rules as the City Clerk may have promulgated, including rules for holding hearings remotely by electronic means, when necessary, in the opinion of the City Clerk. At the hearing, the complainant and the respondent(s) shall be present, and the complainant shall have the burden of proof to establish the alleged violation(s) by a preponderance of the evidence.
- (6) Following the hearing, the City Clerk shall issue a decision in writing within seven (7) business days.
- (7) If the City Clerk determines after a hearing that a violation has occurred, the City Clerk's decision shall include any appropriate order, sanction, or relief authorized hereunder and may include, without limitation, sanctions as follows:
 - (A) A civil penalty, payable to the City, of at least double the amount contributed, received, or spent in violation of any contribution prohibition or in violation of a contribution reporting requirement.
 - (B) A civil penalty, payable to the City, in the amount of fifty dollars (\$50.00) per day for each day that a statement or other information required to be filed pursuant to Article XXVIII of the Colorado Constitution or the Colorado Fair Campaign Practices Act (C.R.S. §§ 1-45-101 et seq.), is not filed by the close of business on the day due.
 - (C) An order requiring disclosure of the source and amount of any undisclosed contributions or expenditures.
 - (D) An order requiring the return to the donor of any contribution made which was the subject of a violation.
- (8) The City Clerk's decisions are a final decision subject to review under Rule 106(a)(4), C.R.C.P.
- (9) Candidates shall be personally liable for penalties imposed upon their candidate committee.
- (10) The City may pursue any legal means for the collection of civil penalties imposed under this article. The City administrator may also refer the matter for collection by whatever means are available to the City, including by a private collection agency, and the party responsible to pay the penalty may be assessed the cost of collection.

010.030.060 – Clerk to refer violations.

In the event the City Clerk becomes aware of a potential campaign violation through a means other than a complaint filed pursuant to section 010.030.050, including but not limited to failing to timely file required reports, the Clerk shall refer the facts of such potential violation to the City Attorney for investigation. The City Attorney may file a complaint pursuant to section. 010.030.050.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Ordinance 2022-20; Amending Title 070 regarding standards for extended-stay hotels
Action Requested:	Approval of Ordinance 2022-20 regarding standards for extended-stay hotels related to kitchenettes and parking management
Department:	City Administration
Presented By:	Jenn Ooton
Strategic Goals:	Protect and Preserve our Quality of Life Generate Sustainable Economic Development
Background Info:	City Council on July 21, 2022, approved on second reading an ordinance regarding hotel conversions. During the meeting, City Council asked for greater detail on two standards for extended-stay hotels related to kitchenettes and also a parking management plan. This ordinance provides additional requirements for both.

The recent adoption of Ordinance 18 set forth some criteria for kitchenettes:

- Inclusion of a cooking appliance that is a built-in cook-top or stove unit with a hood.
- Hot plates, griddles, microwaves or similar devices shall not be considered cooking appliances for the purpose of this section.
- Two sinks must be located within the unit. One for use with the kitchenette, and one for use with the lavatory.

This ordinance would add:

- A convection oven to the allowable built-in cooking devices. These would not need to have a hood.
- Storage cabinets
- A refrigerator with a minimum of 10Cu.ft capacity, and
- A food preparation area of not less than 4 square feet.

The developer of an extended-stay hotel would also be required to provide a parking management plan that addresses parking permits, the number of vehicles allowed per lease, and mitigation plans for impacts to surrounding properties. The management plan shall be approved by the Community Development Director.

Review Criteria

A Code amendment is a legislative decision by the City Council. Prior to recommending approval of a proposed Code amendment, the Planning Commission and City Council shall consider whether and to what extent the proposed amendment:

- i. Is consistent with the Comprehensive Plan and other City policies;
- ii. Does not conflict with other provisions of this Code or other provisions in the Glenwood Springs Municipal Code;
- iii. necessary to address a demonstrated community need;
- iv. Is necessary to respond to substantial changes in conditions and/or policy; and
- v. Is consistent with the general purpose and intent of this Code.

Issues:	N/a
Fiscal Impact:	N/A
Legal Review:	The City Attorney's Office drafted the attached ordinance.
Staff Recommendation:	Approval of Ordinance 2022-20.

ORDINANCE NO. 20

Series of 2022

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING TITLE 070 OF THE GLENWOOD SPRINGS MUNICIPAL CODE, TO PROVIDE FOR CONVERSIONS OF EXISTING MOTELS AND HOTELS INTO EXTENDED STAY HOTELS AND MULTIFAMILY RESIDENTIAL BUILDINGS.

WHEREAS, the City of Glenwood Springs (“Glenwood Springs” or the “City”) is a home-rule municipality organized under Article XX of the Colorado Constitution and with the authority of the Glenwood Springs Home Rule Charter; and

WHEREAS, City Council finds that there exists a housing crisis in the City and the surrounding region that can be addressed in part by providing for the conversion of existing motels and hotels into extended-stay hotels and multifamily residential developments; and

WHEREAS, City Council finds that providing relief from some requirements of Title 070 will incentivize such conversions to occur; and

WHEREAS, on June 28, 2022, the City’s Planning and Zoning Commission conducted a public hearing to consider these proposed text amendments and recommended approval with amendments that are included herein; and

WHEREAS, on July 21, 2022, the City Council approved on second reading Ordinance 18, Series of 2022 to provide for conversions of existing motels and hotels into extended stay hotels and multifamily residential buildings.

WHEREAS, City Council finds that additional changes to the new Section 070.030.030 (e)(10) regarding kitchenettes and parking are needed; and

WHEREAS, City Council finds that these amendments are consistent with the Comprehensive Plan and other City policies, do not conflict with other provisions of the Code, are necessary to address a demonstrated community need, are necessary to respond to substantial changes in conditions and/or policy, and are consistent with the general purpose and intent of the Code; and

WHEREAS, City Council finds it is necessary and proper to amend Section 070.030.030(e)(10) of the Glenwood Springs Municipal Code as provided in this ordinance to provide for the conversion of existing motels and hotels into extended-stay hotels and multifamily residential buildings.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, ORDAINS:

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

Section 2. Section 070.030.030(e)(10) of the Glenwood Springs Municipal Code is hereby amended as provided for on the attached **Exhibit A** with double underline text added.

Section 3. The codifier is hereby authorized to renumber the Code in conformance with these amendments.

INTRODUCED, READ ON FIRST READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY THIS 18TH DAY OF AUGUST 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, AND ORDERED PUBLISHED BY
TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND
READING THIS __ DAY OF _____ 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

EXHIBIT A

The following section of the Municipal Code is amended as follows with double underlined text added and ~~strike through text deleted~~.

070.030.030 Use Specific Standards

...

(e) *Commercial Uses.*

...

(10) Extended Stay Hotels

a. Each extended stay hotel unit shall have in place an individual kitchenette and at minimum a ¾ bathroom. Kitchenettes shall include a cooking appliance that is a built-in cook-top or stove unit with a hood or a convection oven, storage cabinets, a refrigerator with a minimum of 10Cu.ft capacity, and a food preparation area of not less than 4 square feet. Hot plates, griddles, microwaves or similar devices shall not be considered cooking appliances for the purpose of this section. Two sinks must be located within the unit. One for use with the kitchenette, and one for use with the lavatory.

b. Extended stay hotels shall provide common laundry facilities consisting of washer and dryer machines made available to patrons for a fee. Laundry facilities shall be provided at a ratio of one washer and dryer for every 20 units.

c. An outdoor wall mounted sharp-cutoff luminaire shall be provided at each unit entrance with a manual lighting control switch at each entry door and other exterior lighting shall be in conformance with the International Building Codes.

d. All improvements required by this section shall be maintained and in good repair at all times.

e. No extended-stay rental agreement shall exceed 180 consecutive days. Notwithstanding the foregoing, the provisions of this subsection (e) shall not apply when the extended-stay rental agreement is with a governmental or quasi-governmental entity.

f. The developer of an extended-stay hotel must provide a parking management plan that addresses parking permits, the number of vehicles allowed per lease, and mitigation plans for impacts to surrounding properties. The management plan shall be approved by the Community Development Director. No recreational vehicle or trailer shall be stored or parked within the parking lot provided at the hotel.

g. Thirty-five percent of the development shall be deed restricted per 070.045.100(a). The average of all deed-restricted units in the development shall not exceed one hundred (100) percent of the maximum rents established according to the Colorado Housing and Finance Authority, Colorado County Income and Rent Table, as determined at the time each individual unit was leased. Maximum rent prices are updated annually.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item: Ordinance 2022-21; Citizen Comment Requirements

Action Requested: Approval

Department: City Administration

Presented By: Karl Hanlon

Strategic Goals: Provide Efficient and Responsive City Government

Background Info: Council had informally stopped asking for citizen addresses when they were addressing the Council in an effort to protect the citizens' privacy interests. At the last regular Council meeting, Councilor Hershey reminded everyone it was a code requirement to disclose addresses. This ordinance removes the provision from the Municipal Code and replaces it with a requirement that the speaker to acknowledge if they are a City resident or not.

Issues: None.

Fiscal Impact: None.

Legal Review: Presented by legal.

Staff Recommendation: Approval.

ORDINANCE NO. 21

Series of 2022

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO AMENDING SECTION 020.030.090(2)(c) OF THE GLENWOOD SPRINGS MUNICIPAL CODE.

WHEREAS, the City of Glenwood Springs (“Glenwood Springs” or the “City”) is a home-rule municipality organized under Article XX of the Colorado Constitution and with the authority of the Glenwood Springs Home Rule Charter; and

WHEREAS, pursuant to its home rule authority, the City, acting through its City Council (the “Council”), is authorized to adopt ordinances amending the Municipal Code; and

WHEREAS, Section 020.030.090 of the Glenwood Springs Municipal Code regulates the conduct of Meetings of the City Council; and

WHEREAS, the City Council finds and declares that the amendments to 020.030.090(2)(c) set forth in **Exhibit A**, attached hereto and incorporated herein by this reference, are in the best interest of the City.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AS FOLLOWS:

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

Section 2. Section 020.030.090(2)(c) of the Glenwood Springs Municipal Code is hereby amended as set forth in **Exhibit A** attached hereto.

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.

Section 4. With the exception of the provisions of the Municipal Code of the City of Glenwood Springs which are modified as provided herein, all remaining provisions of the Municipal Code of the City of Glenwood Springs shall remain in full force and effect.

INTRODUCED, READ ON FIRST READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY THIS 18TH DAY OF AUGUST 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, AND ORDERED PUBLISHED BY
TITLE ONLY TO BE EFFECTIVE TEN DAYS FOLLOWING THE DATE OF SECOND
PUBLICATION THIS _____ DAY OF _____ 2022.

CITY OF GLENWOOD SPRINGS, COLORADO

Jonathan Godes, Mayor

ATTEST:

Ryan Muse, City Clerk

EXHIBIT A

Additions shown in double underline; deletions shown in ~~striketrough~~.

020.030.090(2)

- (c) Each person addressing the council shall state his/her name and ~~address~~ whether they are a resident of Glenwood Springs and shall limit his/her statements to no more than five (5) minutes. The allotted period of five (5) minutes may be shortened by the presiding officer as provided below. If a period in excess of five (5) minutes is requested, express permission must be first obtained from the presiding officer.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Subsurface Utility Engineering Study Split for the Downtown Alleys
Action Requested:	Consideration and approval of a split in the cost of the SUE engineering required for the downtown alleys
Department:	Engineering
Presented By:	Terri Partch
Strategic Goals:	Preserve and Improve Infrastructure
Background Info:	The Downtown Development Authority (DDA) has been working to complete reconstruction plans for the downtown alleys in blocks 43, 44 and 45. New drainage facilities are included in the design. A new state law requires a subsurface utility plan for any underground work. The subsurface utility plan identifies all of the existing utilities and their depths and recognizes conflicts in the proposed design with the existing utilities. The city requested proposals for the SUE work and received five proposals. After review, city staff chose Horrocks Engineers' proposal as the best value and most comprehensive. The cost of the work is \$124,013. The DDA Board has approved this work. It is included in their current budget. They are requesting that City Council consider paying for half of the SUE work in the amount of \$62,006.50.
Issues:	A supplemental appropriation will be included in the next budget amendment in professional services for \$62,006.50 in the engineering department.
Fiscal Impact:	\$62,006.50 is the cost of half of the SUE study.
Legal Review:	NA
Staff Recommendation:	Approval of budget amendment to split the cost of the SUE from the general fund.

ABBREVIATIONS					
APROX	APPROXIMATE	GA	GAUGE	QTY	QUANTITY
ARCH	ARCHITECT	GAL	GALLON		
AVG	AVERAGE	GALV	GALVANIZED	R	RADIUS
		GB	GRADE BREAK	RE	REFERENCE
B&B	BALLED AND BURLAPPED	GC	GENERAL CONTRACTOR	REIN	REINFORCED(OR), (ING)
BLDG	BUILDING	GPM	GALLON PER MINUTE	REQD	REQUIRED
BM	BENCHMARK			REV	REVISION(S), REVISED
BOC	BACK OF CURB	HORIZ	HORIZONTAL	RM	ROOM
BOV	BLOW OFF VALVE	HP	HIGH POINT	ROW	RIGHT-OF-WAY
BR	BOTTOM OF RAMP	HT	HEIGHT	RP	RADIUS POINT
BS	BOTTOM OF STEP				
BW	BOTTOM OF WALL	ID	INSIDE DIAMETER	SAN	SANITARY
		INV	INVERT ELEVATION	SCH	SCHEDULE
CAL	CALIPER	IN	INCHES	SD	STORM DRAIN
CF	CUBIC FEET	INCL	INCLUDE(D)	SEC	SECTION
CP	CAST-IN-PLACE	IRR	IRRIGATION	SF	SQUARE FOOT (FEET)
CJ	CONTROL JOINT			SHT	SHEET
CL	CENTERLINE	JT	JOINT(S)	SIM	SIMILAR
CLR	CLEARANCE			SPECS	SPECIFICATIONS
C/O	CLEANOUT	LIN	LINEAR	SQ	SQUARE
COMP	COMPACTED	LP	LOW POINT	STA	STATION
CONC	CONCRETE	LT	LIGHT	STD	STANDARD
CONT	CONTINUOUS			STL	STEEL
CONTR	CONTRACTOR	MATL	MATERIAL	STRUCT	STRUCTURAL
CUB	CUBIC	MAX	MAXIMUM	SYM	SYMMETRICAL
		MECH	MECHANICAL		
DBL	DOUBLE	MH	MANHOLE	TBC	TOP OF BACK OF CURB
DEG	DEGREE	MIN	MINIMUM	TC	TOP OF CURB
DEMO	DEMOLISH, DEMOLITION	MISC	MISCELLANEOUS	THK	THICK
DA	DIAMETER			T/LF	TOP OF LIGHT FOOTING
DM	DIMENSION	NIC	NOT IN CONTRACT	TO	TOP OF
DN	DOWN	NOM	NOMINAL	TOPO	TOPOGRAPHY
DWL	DRAWING	NTS	NOT TO SCALE	TR	TOP OF RAMP
DWG	DETAIL			TRANS	TRANSFORMER
EA	EACH	OC	ON CENTER(S)	TS	TOP OF STEP
EAF	EACH FACE	OD	OUTSIDE DIAMETER	TW	TOP OF WALL
EJ	EXPANSION JOINT	OPP	OPPOSITE	TY	TYPICAL
ELEV	ELEVATION	PA	PLANTING AREA	UNFIN	UNFINISHED
ELECT	ELECTRICAL	PC	POINT OF CURVATURE		
ENG	ENGINEER	PERF	PERFORATE(D)	VAR	VARIES
EOP	CURB LIP	PED	PEDESTRIAN	VERT	VERTICAL
EQ	EQUAL	PERM	PERIMETER	VEH	VEHICLE
EST	ESTIMATE	PI	POINT OF INTERSECTION	VOL	VOLUME
EW	EACH WAY	PL	PROPERTY LINE		
EXIST	EXISTING	POB	POINT OF BEGINNING	W/	WITH
		PSF	POUNDS PER SQUARE FOOT	W/O	WITHOUT
FG	FINISHED GRADE	PSI	POUNDS PER SQUARE INCH	WT	WEIGHT
FIN	FINISH	PT	POINT, POINT OF TANGENCY	WWF	WELDED WIRE FABRIC
FL	FLOW LINE	PVC	POLYVINYL CHLORIDE		
FOB	FACE OF BUILDING	PWMT	PAVEMENT	YD	YARD
FOR	FACE OF WALL	PVR	PAVER(S)		
FS	FINISH SURFACE				
FT	FOOT (FEET)				
FTG	FOOTING				

STORMWATER MANAGEMENT PLAN (SWMP)

- A. PREPARATION OF STORMWATER MANAGEMENT PLANS, PERMITTING AND COMPLIANCE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISCHARGES ARE SUBJECT TO THE PROVISIONS OF THE COLORADO WATER QUALITY CONTROL ACT AND THE COLORADO DISCHARGE PERMIT REGULATIONS. PROHIBITED DISCHARGES INCLUDE SUBSTANCES SUCH AS: WASH WATER, PAINT, AUTOMOTIVE FLUIDS, SOLVENTS, OILS OR SOAPS.
- B. STORMWATER MANAGEMENT AND EROSION CONTROL FOR THIS PROJECT WILL BE ACCOMPLISHED BY CONTROLLING THE TIMING OF CONSTRUCTION ACTIVITIES AND PROVIDING PERMANENT EROSION CONTROL BMPs.
- C. THE CONTRACTOR WILL APPLY FOR AND HOLD ANY NECESSARY PERMITS.

SITE DESCRIPTION

- A. PROJECT SITE DESCRIPTION: THIS PROJECT CONSISTS OF THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- B. PROPOSED SEQUENCING FOR MAJOR ACTIVITIES: REMOVAL OF NECESSARY SURFACE FEATURES AND GRADING FOLLOWED BY THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- C. ACRES OF DISTURBANCE:
1. TOTAL AREA OF CONSTRUCTION SITE: 0.08 ACRES
 2. TOTAL AREA OF DISTURBANCE: 0.08 ACRES
 3. ACREAGE OF SEEDING: 0.00 ACRES
 4. ACREAGE OF SOD: 0.00 ACRES
- D. EXISTING SOIL DATA: SEE THE PROJECT SOILS INVESTIGATION REPORT PREPARED BY H-P KUMAR DATED FEBRUARY 2, 2017.
- E. EXISTING VEGETATION, INCLUDING PERCENT COVER: 0%.
- F. POTENTIAL POLLUTANTS SOURCES: FUEL, MOTOR OIL, LUBE, SILT AND SOILS FROM DISTURBED AREAS AND SPOIL PILES, ANTI-FREEZE, AND CONCRETE APPLICATIONS.
- G. RECEIVING WATER:
1. ALL LOCATIONS: STORM DRAINS
 2. NAMES OF RECEIVING WATER(S) ON THE SITE AND THE ULTIMATE RECEIVING WATER: NO RECEIVING WATERS ON PROJECT SITE, HOWEVER, THE COLORADO RIVER IS NORTH OF THE PROJECT. ULTIMATE RECEIVING WATER IS THE COLORADO RIVER.
 3. DISTANCE TO ULTIMATE RECEIVING WATER FROM THE PROJECT: 0.04 MILES TO THE NORTH.
 4. DOES THE RECEIVING WATER HAVE AN APPROVED TMDL: NONE
- H. ALLOWABLE NON-STORMWATER DISCHARGES: THERE ARE NO NON-STORMWATER DISCHARGES ANTICIPATED WITH THIS PROJECT.
- I. ENVIRONMENTAL IMPACTS: THERE HAVE BEEN NO WETLANDS DELINEATED, NO STREAMS HAVE BEEN IDENTIFIED ON THE PROJECT SITE, NO THREATENED OR ENDANGERED SPECIES HAVE BEEN IDENTIFIED ON THE PROJECT SITE.

SITE MAP

- A. THE CONTRACTOR MAY UTILIZE THESE PLANS AS A BASE MAP TO PREPARE THE SWMP SITE MAP.
- B. SITE MAP COMPONENTS TO INCLUDE:
1. CONSTRUCTION SITE BOUNDARIES
 2. ALL AREAS OF GROUND SURFACE DISTURBANCE
 3. AREAS OF CUT AND FILL
 4. LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP
 5. LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP
 6. SPRINGS, STREAMS, WETLANDS, AND OTHER SURFACE WATERS
 7. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION.
- C. SWMP ADMINISTRATOR:
- NAME: TBD
- BUSINESS PHONE: _____
- CELL PHONE: _____
- PHYSICAL ADDRESS: _____
- D. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES:
- THE CONTRACTOR SHALL PERFORM THE FOLLOWING:
1. DESIGNATE A SWMP ADMINISTRATOR/EROSION CONTROL ADMINISTRATOR.
 2. POTENTIAL POLLUTANT SOURCES: EVALUATE, IDENTIFY AND DESCRIBE ALL POTENTIAL SOURCES OF POLLUTANTS AT THE SITE IN ACCORDANCE WITH SUBSECTION 107.25 AND PLACE IN THE SWMP NOTEBOOK. ALL BMPs RELATED TO POTENTIAL POLLUTANTS SHALL BE SHOWN ON THE SWMP MAP BY THE SWMP ADMINISTRATOR.
 3. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION - PHASED BMP IMPLEMENTATION:
 - 3.1. EROSION CONTROL DEVICES ARE USED TO LIMIT THE AMOUNT OF EROSION ON SITE
 - 3.2. SEDIMENT CONTROL DEVICES ARE DESIGNED TO CAPTURE SEDIMENT ON THE PROJECT SITE
 - 3.3. CONSTRUCTION CONTROL: BMPs RELATED TO CONSTRUCTION ACCESS AND STAGING
 - 3.4. BMP LOCATIONS ARE INDICATED ON THE SITE MAP
 - 3.5. BMP INSTALLATION DETAILS AND GENERAL NARRATIVES ARE IN THE SWMP NOTEBOOK.
 4. OFFSITE DRAINAGE (RUN ON WATER):
 - 4.1. OFFSITE DRAINAGE WILL CONTINUE IN THE MANNER EXISTING TO THE SITE. STORMWATER CURRENTLY IS DIRECTED VIA STORM DRAINS. BMPs TO BE USED WILL CONSIST OF ROCK CHECK DAMS AND SEDIMENT FILTERS BENEATH THE EXISTING INLET GRATES.
- E. STABILIZED CONSTRUCTION ENTRANCES/VEHICLE TRACKING CONTROL:
1. THERE WILL NOT BE A TRACKING PAD ASSOCIATED WITH THIS PROJECT. HOWEVER, THE CONTRACTOR WILL ENSURE THAT THE ROADWAY IS SWEEPED AND SHOVELED IMMEDIATELY AFTER VEHICLES LEAVE THE SITE. ALL MATERIAL SHOVELED OFF THE ROADWAY WILL BE DISPOSED OF OFFSITE AND SHALL NOT BE USED IN THE STRUCTURAL SECTION OF THE NEW ASPHALT OR IN THE FILL AREAS.
- F. PERIMETER CONTROL:
1. PERIMETER CONTROL SHALL BE ESTABLISHED AS THE FIRST ITEM ON THE SWMP TO PREVENT THE POTENTIAL FOR POLLUTANTS LEAVING THE CONSTRUCTION SITE BOUNDARIES, ENTERING THE STORMWATER DRAINAGE SYSTEM, OR DISCHARGING TO STATE WATERS.
 2. PERIMETER CONTROL MAY CONSIST OF BMPs AS APPROVED.
 3. PERIMETER CONTROL SHALL BE MAINTAINED AT TIMES DURING CONSTRUCTION.

Stormwater Management Notes

Scale: N.T.S.

Sheet No.	Index of Sheets
C.1	Cover Sheet
C.2	Demolition Plan
C.3	Utility Plan
C.4	Site Plan
C.5	Grading Plan - NS Corridor Sta. 1+00 to 2+50
C.6	Grading Plan - NS Corridor Sta. 2+50 to End
IES1-0	Illumination Plan - Overall
IES1-1	Illumination Plan - Block 43
ES1-0	Site Lighting - Overall
ES1-1	Site Lighting - Block 43
ES1-4	Site Lighting - Details

DURING CONSTRUCTION

- RESPONSIBILITIES OF THE SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR (ECS) DURING CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST REVISION(S).
- THE SWMP SHOULD BE CONSIDERED A "LIVING DOCUMENT" THAT IS CONTINUOUSLY REVIEWED AND MODIFIED. DURING CONSTRUCTION, THE FOLLOWING ITEMS SHALL BE ADDED, UPDATED, OR AMENDED AS NEEDED BY THE SWMP ADMINISTRATOR/ECs:
- A. MATERIALS HANDLING AND SPILL PREVENTION
 - B. STOCKPILE MANAGEMENT
 - C. GRADING AND SLOPE STABILIZATION
 - D. ASPHALT WEED GUARD SHALL BE PLACED WITHIN 24 HRS OF EXCAVATION/EMBANKMENT WORK (IF REQUIRED).
 - E. SURFACE ROUGHENING
 - F. VEHICLE TRACKING
 - G. TEMPORARY STABILIZATION
 - H. CONCRETE WASHOUT: CONCRETE WASHOUT WATER OR WASTE SHALL BE CONTAINED AND DISPOSED OF OFF-SITE IN AN APPROPRIATE MANNER ALLOWED BY CDPE. CONCRETE WASHOUTS SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
 - I. SAW CUTTING: SAWCUTTING OF EXISTING ASPHALT IS REQUIRED PRIOR TO PLACEMENT OF GUARDRAIL ASPHALT WEED GUARD MATERIAL. SAWCUTTING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
 - J. NEW INLET/CULVERT PROTECTION
 - K. STREET CLEANING: STREET CLEANING SHALL BE PERFORMED ON A ROUTINE BASIS DAILY FOR ANY MATERIALS TRACKED ONTO THE ROADWAY. STREET CLEANING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
 - L. INSPECTIONS: INSPECTIONS SHALL BE EVERY 14 DAYS AND AFTER EVERY SIGNIFICANT STORM EVENT (I.E. RAIN OR SNOWMELT) THAT CAUSES RUN-OFF.
 - M. BMP MAINTENANCE: MAINTENANCE SHALL BE PERFORMED DAILY AS NEEDED AD WITHIN 48 HOURS OF PROBLEMS IDENTIFIED DURING THE 14 DAY INSPECTION.
 - N. RECORD KEEPING: RECORDS SHALL BE KEPT ON SITE AT ALL TIMES AND UPDATED AS NECESSARY WITH DATES ON ALL WRITTEN UPDATES.
 - O. INTERIM AND FINAL STABILIZATION:
 - 0.1. SPECIAL REQUIREMENTS: DUE TO HIGH FAILURE RATES, HYDROMULCHING AND/OR MULCH & TACKIFIERING WILL NOT BE ALLOWED.
 - 0.2. SOIL CONDITIONING AND FERTILIZER REQUIREMENTS: FERTILIZER WILL NOT BE REQUIRED ON THIS PROJECT.
 - 0.3. BLANKET APPLICATION: ON SLOPES AND DITCHES REQUIRING A BLANKET, THE BLANKET SHALL BE PLACED IN LEOU OF MULCH AND MULCH TACKIFIER. SEE SWMP FOR BLANKET LOCATIONS.
 - 0.4. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION: PRIOR TO FINAL ACCEPTANCE, SEEDING AREAS SHALL BE REVIEWED DURING THE 14 DAY INSPECTIONS BY THE EROSION CONTROL SUPERVISOR FOR BARE SOILS CAUSED BY SURFACE OR WIND EROSION, BARE AREAS CAUSED BY SURFACE OR GULLY EROSION, BLOWN AWAY MULCH, ETC. SHALL BE REGRADED, SEEDING, MULCHED AND HAVE MULCH TACKIFIER (OR BLANKET) APPLIED AS NECESSARY.
 - P. PRIOR TO FINAL ACCEPTANCE, THE ECS WILL PERFORM FINAL INSPECTION AND SUBMIT A LETTER OF COMPLETION ALONG WITH ALL DOCUMENTATION OF ONGOING INSPECTIONS, MAINTENANCE LOGS, AND UPDATED SITE MAP.

NARRATIVES

A. EROSION LOGS:

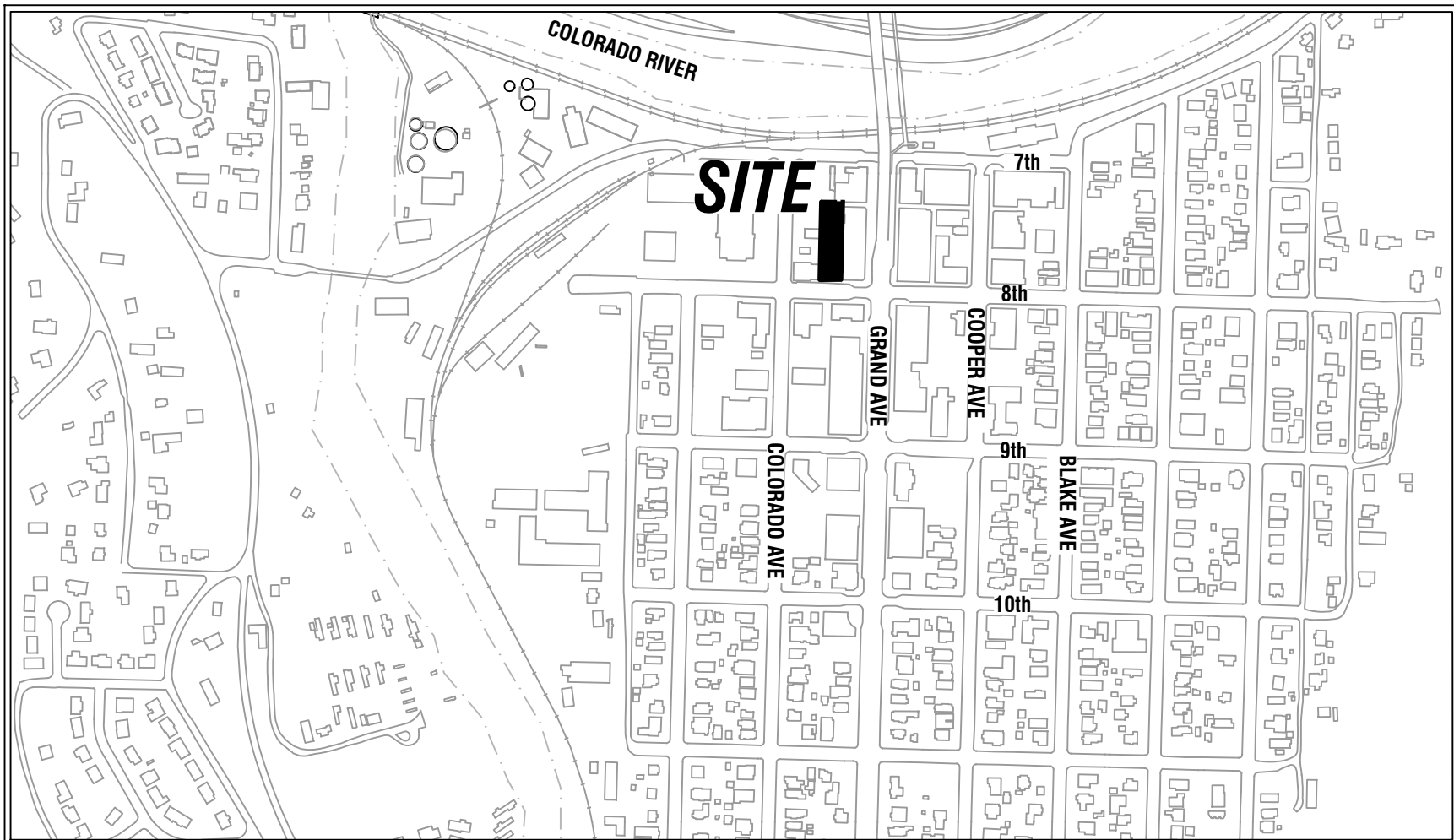
1. EROSION LOGS ARE USED TO CAPTURE AND FILTER SEDIMENT LADEN RUN-OFF FROM DISTURBED AREAS DURING CONSTRUCTION.
2. INLET/OUTLET PROTECTION: SHALL BE PLACED AT EXISTING INLETS AS SHOWN IN THE PLANS AND WHERE DISTURBANCE MAY BE OCCURRING ADJACENT TO THE INLET AND CAUSE SEDIMENT LADEN WATER TO ENTER PIPE. LOGS SHALL BE PLACED PRIOR TO WORK COMMENCING AT THE LOCATIONS TO FILTER SEDIMENT LADEN RUN-OFF. FOR NEW INLETS - LOGS SHALL BE PLACED ONCE THE CULVERT OR INLET IS IN PLACE TO PREVENT SEDIMENT LADEN WATER FROM ENTERING PIPE. WHERE SLOPE HAS BEEN WORKED ABOVE NEW AND/OR EXISTING PIPES (INLET/OUTLET) AND SEDIMENT MAY ENTER THE PIPE FROM ABOVE, A LOG SHALL WRAP TO THE TOP OF PIPE AND RUN DOWN SLOPE TO DIRECT WATER AWAY FROM PIPE. LOGS SHALL BE J-HOOKED OR PLACED IN SUCH A MANNER AT THESE LOCATIONS THAT SEDIMENT LADEN WATER WILL NOT GO AROUND THE ENDS OF LOGS DIRECTLY IN TO PIPE OR DITCH.
3. TOE OF SLOPES - LOGS ARE TO BE PLACED PRIOR TO WORK COMMENCING FOR TOES OF SLOPES LOCATIONS. LOGS SHALL BE PLACED ON THE CONTOUR WITH ENDS OF LOGS J-HOOKED TO PREVENT WATER FROM RUNNING AROUND THE ENDS CAUSING EROSION.
4. SOIL RETENTION BLANKET (IF REQUIRED)
 - 4.1. SHALL BE PLACED IN AREAS AS SHOWN ON THE PLANS OR DIRECTED: ALL SLOPES 3:1 AND STEEPER SHALL RECEIVE BLANKET. TYPICALLY, DITCHES THAT HAVE A GRADE STEEPER THAN 2% SHALL HAVE BLANKETS PLACED. SOILS SHALL BE PROPERLY PREPARED PRIOR TO PLACING BLANKET. SLOPE SHALL BE PROPERLY PREPARED PRIOR TO PLACING BLANKET. IF RILLS, PLANT MATERIAL, ROCKS, WEEDS, ETC. ARE PRESENT THEY SHALL BE REMOVED PRIOR TO PLACING BLANKET TO ENSURE BLANKET IS PLACED ON THE SOIL WITH NO TENDING, SEE SPECIFICATIONS AND MASS STANDARDS.
 - 4.2. ON SLOPES WHEN SEEDING CANNOT OCCUR DUE TO SEASONAL CONSTRAINTS, A TEMPORARY BERM, EROSION LOG OR OTHER BMP SHALL BE PLACED AT THE TOP OF SLOPE TO PREVENT STORMWATER FROM FLOWING ONTO SLOPE AND CAUSING EROSION. IN ADDITION, FLEXIBLE GROWTH MEDIUM OR MULCH/MULCH TACKIFIER SHALL BE REPLACED BY A BLANKET (STRAW/COCONUT) AS A TEMPORARY MEASURE. ONCE SEEDING CAN OCCUR, BLANKET SHALL BE REMOVED AND DISPOSED OF. NEW SOIL RETENTION BLANKET SHALL BE PLACED

PROJECT NOTES (IN ADDITION TO CDOT STANDARDS AND REQUIREMENTS):

1. THE WARRANTY PERIOD SHALL BE TWO (2) YEARS FROM THE DATE OF ACCEPTANCE.
2. CONSTRUCTION WORK, ANY NOISE CREATED BY OPERATING OR CAUSING TO BE OPERATED ANY EQUIPMENT (MECHANICAL OR NON-MECHANICAL, SE LF-PROPELLED OR MANUALLY MANIPULATED) USED IN CONSTRUCTION, REPAIR, ALTERATION OR DEMOLITION WORK ON BUILDINGS, STRUCTURES, STREETS, ALLEYS OR APURTANCES AT ANY TIME OTHER THAN BETWEEN THE HOURS OF 7:00 A.M. AND 8:00 P.M. ON MONDAY THROUGH FRIDAY, AND 8:00 A.M. AND 6:00 P.M. ON SATURDAY AND SUNDAY. THE CITY MANAGER IS HEREBY AUTHORIZED TO ISSUE A CONSTRUCTION WORK NOISE PERMIT ALLOWING CONSTRUCTION WORK NOISE TO OCCUR AT A TIME OTHER THAN THE TIME SET FORTH HEREIN BASED ON CIRCUMSTANCES WHICH NECESSITATE SUCH CONSTRUCTION WORK. IN THE EVENT THE CITY MANAGER ISSUES SUCH A PERMIT, THE CITY COUNCIL SHALL BE ADVISED OF SUCH ISSUANCE AT THE NEXT REGULAR CITY COUNCIL MEETING.
3. IN ORDER OF PRECEDENCE, ALL CONSTRUCTION SHALL MEET OR EXCEED THE PROJECT PLANS AND TECHNICAL SPECIFICATIONS, STANDARDS ESTABLISHED IN THE LATEST EDITIONS OF THE CITY PUBLIC WORKS MANUAL AND/OR ENGINEERING STANDARDS, AND CDOT SPECIFICATIONS, AS REFERENCED HEREIN.
4. ALL CONSTRUCTION SHALL BE SUBJECT TO OBSERVATION BY THE CITY AND THE PROJECT ENGINEER. BOUNDARIES UNLIMITED INC. IS THE ENGINEER OF RECORD FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF OBSERVATIONS AND REVIEW BY THE CITY AND BOUNDARIES UNLIMITED INC. OF ALL PUBLIC IMPROVEMENT INSTALLATIONS. OBSERVATIONS AND REVIEW OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE OBSERVER OF THE COMPLETED WORK. ALL GUARANTEES OR WARRANTIES REMAIN WITH THE CONTRACTOR.
5. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES.
6. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO THE CITY. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. FOR ANY CONSTRUCTION ACTIVITY WITHIN THE ROAD RIGHT-OF-WAY, CONTRACTOR SHALL PROVIDE ALL WARNING LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION ZONE TRAFFIC CONTROL. A CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE CITY OF GLENWOOD SPRINGS AND THE ENGINEER OF RECORD AT LEAST 7 DAYS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE ROAD RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING AND HAULING SUPPLIED MATERIALS FROM THE CITY MATERIALS STORAGE YARD LOCATED NEAR THE AIRPORT (AKA: HONEYBURY).
10. SAFETY IS THE CONTRACTORS RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
11. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
12. THE CONTRACTOR SHALL VERIFY EXISTING PIPE OR MANHOLE INVERTS/DEPTHS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
13. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
14. 95% MODIFIED STANDARD PROCTOR IS REQUIRED FOR ALL SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNLESS NOTED OTHERWISE ON THE DETAILS.
15. THE CITY WILL PROVIDE THE CONTRACTOR WITH A TAX EXEMPT FORM FOR USE IN PURCHASING OF MATERIALS AND SUPPLIES.
16. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
17. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL AFFECTED OR DAMAGED LANDSCAPING, INCLUDING IRRIGATION, WITH SIMILAR MATERIALS AND PLANTS. SOD SHALL BE USED TO REPLACE LAWN.
18. UPON COMPLETION OF THE PIPELINE INSTALLATION WORK, ALL RUBBISH, EXCESS MATERIALS, TEMPORARY STRUCTURES AND EQUIPMENT ARE TO BE REMOVED AND THE SITE CLEANED AND RESTORED TO THE SATISFACTION OF THE CITY AND CDOT. DISTURBED AREAS SHALL BE SEEDER OR OTHERWISE PROTECTED TO CONTROL EROSION AS SPECIFIED OR REQUIRED BY CDOT.
19. THE CONTRACTOR SHALL COMPLY WITH ALL AGREEMENTS BETWEEN THE CITY AND PRIVATE PROPERTY OWNERS.
20. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND HAVE IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
21. SAWCUT ALL ASPHALT AND CONCRETE TO BE REMOVED. ASPHALT LOCATED WITHIN THE GLENWOOD SPRINGS RIGHT-OF-WAY OR PRIVATE PROPERTIES SHALL BE REPLACED WITH 5" THICK ASPHALTIC PAVEMENT OVER 8" CLASS 6 AGGREGATE BASE COURSE. ALL CONCRETE SHALL BE REPLACED PER THE DETAILS, WHEN REPLACING CONCRETE, MATCH EDGES OF SAWCUT CONCRETE AND MAINTAIN INTEGRITY OF DRAINAGE PATTERNS.
22. A GRADING PERMIT AND A SIDEWALK/CURB/GUTTER PERMIT ARE NOT REQUIRED FOR THIS PROJECT.
23. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
24. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE WITH ALL ADJACENT BUSINESSES AND AMTRAK.

REQUIRED SHOP DRAWINGS:

- CONCRETE
- BRICK PAVERS
- ASPHALT MIX DESIGN
- FURNITURE
- AGGREGATES
- FLOWABLE FILL
- ALL UTILITY STRUCTURES, PIPE & FITTINGS
- CONDUITS
- ANY OTHERS INDICATED WITHIN THE PLANS OR AS REQUIRED BY THE CITY OR THE ENGINEER



SITE OVERVIEW

Scale: 1"=400'

UTILITY PROVIDERS/OWNERS:

ELECTRIC:	DOUG HAZZARD	CITY ELECTRIC SYSTEM	970.384.6353
FIBER OPTICS:	ERIC ARNETTE	CITY BROADBAND	970.384.6416
WATER/SEWER:	BRADLEY ZACHMAN	CITY WWWW	970.384.6388
STORM/IRRIGATION:	TERRI PARTCH	CITY ENGINEERING	970.384.6435
STREETS:	JAKE VELASQUEZ	CITY STREETS	970.384.6379
NATURAL GAS:	JASON COX	BLACK HILLS ENERGY	970.456.3117
CABLE:	MICHAEL JOHNSON	COMCAST	970.930.4713
TELEPHONE:	JASON SHARPE	CENTURYLINK	970.384.0238

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE CLASS 8 AND CONTAIN CDOT APPROVED FIBER MESH REINFORCEMENT AT 3.5 LBS PER CUBIC YARD.
2. CONCRETE SIDEWALK THICKNESS SHALL BE 4" MIN. AND INCREASED TO 6" MIN. AT RAMPS, DRIVEWAY CROSSINGS, OR AS INDICATED ON THE DETAILS. CONCRETE PAVEMENT THICKNESS IN ROADWAYS OR ALLEYS SHALL BE PER THE DETAILS. COLOR ADMIXTURES: COLOR SAMPLES SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR SELECTION PRIOR TO CONSTRUCTION.
3. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS OR THIOCYANATES ARE NOT PERMITTED.
4. CONCRETE SHALL BE CONSTRUCTED ON COMPACTED CLASS 6 AGGREGATE BASE COURSE (95% MODIFIED STANDARD PROCTOR) OVER COMPACTED SUBGRADE (95% MODIFIED STANDARD PROCTOR). CLASS 6 AGGREGATE BASE COURSE THICKNESS SHALL BE 6" MIN. UNDER CONCRETE.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED GRADE 40 FOR 4" AND SMALLER AND GRADE 60 FOR 4" AND LARGER. ALL REINFORCING STEEL IN SLABS AND WALLS SHALL BE HELD AT CORRECT DISTANCE FROM FORMS BY ADEQUATE CONCRETE BLOCKS, STEEL CHAIRS, OR TIES IN ACCORDANCE WITH LATEST ACI DETAILING PRACTICES.
6. DOWELS SHALL BE 12" EPOXY COATED #4 REBAR OR LARGER, CENTERED ON THE JOINT, AND GROUTED INTO PLACE.
7. USE 1/4" RADIUS ON ALL EDGES UNLESS NOTED OTHERWISE.
8. JOINT LAYOUTS ARE INTENDED TO BE USED AS A STARTING POINT FOR THE JOINT LAYOUT FOR THE PROJECT. THE CONTRACTOR SHALL REVIEW THE LAYOUT AND MAKE ADJUSTMENTS AS HE DEEMS NECESSARY TO IMPROVE THE LONGEVITY OF THE CONCRETE SURFACE AND STRUCTURE.
9. EXPANSION JOINTS SHALL BE INSTALLED EVERY 90 LF IN SIDEWALK AND/OR WHEN ABUTTING EXISTING CONCRETE OR A FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH THICK AND SHALL EXTEND THE FULL DEPTH OF THE CONTACT SURFACE AND SEALED OVER THE JOINT.
10. THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER.
11. CURE FOR 72 HOURS USING CURING COMPOUND, PLASTIC COVERING OR CONTROLLED MOISTURE.
12. CONTACT INFORMATION:
 - 12.a. PROJECT MANAGER:
TERRI PARTCH
CITY OF GLENWOOD SPRINGS, ENGINEERING DEPT.
970.384.6438
 - 12.a. QUALITY ASSURANCE - ENGINEER OF RECORD:
DERE J. WALTER, PE
BOUNDARIES UNLIMITED INC.
970.945.5252
 - 12.b. MATERIALS TESTING - TESTING AGENT:
T.B.D. BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEERING DEPARTMENT.

Project Notes

Scale: N.T.S.

LEGEND

EXISTING 1" CONTOUR	PROPOSED 1" CONTOUR
EXISTING 5" CONTOUR	PROPOSED 5" CONTOUR
EXISTING DITCH/SWALE FLOW LINE	PROPOSED DITCH/SWALE FLOW LINE
EXISTING STORM DRAIN	PROPOSED STORM DRAIN
EASEMENT	PROPOSED SEDIMENT CONTROL FENCING
BUILDING ENVELOPE	PROPOSED TELEPHONE
PROPERTY RIGHT-OF-WAY LINE	PROPOSED ELECTRIC
CENTERLINE RIGHT-OF-WAY	PROPOSED GAS
CENTERLINE ROADWAY	PROPOSED FIBER OPTICS
EXISTING FENCE	PROPOSED CABLE TV
EXISTING OVERHEAD ELECTRIC/POLE	PROPOSED 8" WATER MAIN/VALVE
EXISTING UNDERGROUND ELECTRIC	PROPOSED FIRE HYDRANT ASSEMBLY
EXISTING TELEPHONE	PROPOSED SEWER MAIN/MANHOLE
EXISTING GAS	PROPOSED SEWER SERVICE & CLEANOUT
EXISTING FIBER OPTICS	PROPOSED OVERHEAD ELECTRIC/POLE
EXISTING CABLE TV	PROPOSED WEEP UNDERDRAIN
EXISTING WEEP UNDERDRAIN	PROPOSED IRRIGATION
EXISTING IRRIGATION VALVE/CONTROLS	
EXISTING 24" HIGH PRESSURE RAW WATER MAIN	
ABANDONED 8" WATER MAIN	
EXISTING 8" WATER MAIN/VALVE	
EXISTING 12" WATER MAIN/VALVE	
EXISTING WATER SERVICE & METER	
EXISTING FIRE HYDRANT ASSEMBLY	
EXISTING SEWER MAIN/MANHOLE	
EXISTING SEWER SERVICE & CLEANOUT	
NATURAL GAS	
EXISTING/PROPOSED STREET SIGN	
EXISTING/PROPOSED STREET LAMP-CARRIAGE	
EXISTING/PROPOSED STREET LAMP	
EXISTING/PROPOSED STREET LAMP BOX	
EXISTING/PROPOSED TRANSFORMER	
EXISTING/PROPOSED ELEC./TELE./CABLE PEDESTAL	
EXISTING/PROPOSED SWITCH CABINET	
EXISTING/PROPOSED ELECTRIC VAULT	
EXISTING/PROPOSED ELECTRIC METER (PED./WALL)	

MATERIAL TESTING/QUALITY ASSURANCE NOTES:

1. ALL TESTS AND INSPECTIONS AS REQUIRED BY CODES, ORDINANCES OR FOR MATERIAL CERTIFICATION AND CONSTRUCTION AS NOTED IN THE PLANS AND SPECIFICATIONS SHALL BE PAID BY THE CONTRACTOR. WHEN NOT SPECIFIED AS AN INDIVIDUAL LINE ITEM IN THE BID SCHEDULE, THE COSTS OF TESTING PAID BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED ITEM OF WORK.
2. TESTS SHALL BE MADE BY AN INDEPENDENT TESTING LABORATORY AND BE ACCEPTABLE TO THE CITY. PROJECT MANAGER AND PROJECT ENGINEER, EXCEPT AS OTHERWISE PROVIDED, SAMPLING OF MATERIALS, TESTING METHODS AND TESTING EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OR TENTATIVE METHOD OF THE REFERENCED SPECIFICATIONS.
3. CONTRACTOR TO NOTIFY ENGINEER OF RECORD WHEN TOPSOIL/ORGANICS HAVE BEEN STRIPPED TO CONFIRM REMOVAL IS ADEQUATE.
4. ENGINEER OF RECORD AND TESTING AGENT TO FIELD VERIFY SUBGRADE BY WITNESSING A LOADED TANDEN WHEEL ROLL TEST OF SUBGRADE FOR CURBASPHALT.
5. TESTING FREQUENCY SHALL CONFORM TO THE CDOT FIELD MATERIALS MANUAL, LATEST EDITION, OF THE FOLLOWING, WHICHEVER IS MORE FREQUENT, AT A MINIMUM, TESTING AGENT TO PERFORM NUCLEAR DENSITY TESTING OF THE FOLLOWING:
 - 5.a. TRENCHES: EVERY 100- FEET FOR THE LOWER 12-INCHES OF FILL AND EACH 24-INCHES OF FILL THEREAFTER.
 - 5.b. STRUCTURAL FILL: EVERY 100- FEET, OR 3 TESTS PER BLOCK MIN., FOR EACH 2- FEET OF FILL.
 - 5.c. SUBGRADE: EVERY 100- FEET, OR 3 TESTS PER BLOCK MIN.
 - 5.d. BASE COURSE: EVERY 100- FEET, OR 3 TESTS PER BLOCK MIN.
 - 5.e. ASPHALT: EVERY 100- FEET, OR 3 TESTS PER BLOCK MIN.
6. TESTING AGENT SHALL OBTAIN CONCRETE CYLINDERS FOR TESTING EACH DAY CONCRETE IS POURED.
7. TESTING AGENT SHALL PERFORM A MARSHAL TEST OF THE ASPHALT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MATERIAL AND COMPACTION TESTING WITH THE PROJECT ENGINEER AND TESTING AGENT AND ADHERING TO THE TESTING SCHEDULE DERIVED.
9. CONTRACTOR SHALL PROVIDE THE CITY AND ENGINEER OF RECORD WITH COPIES OF ALL TEST RESULTS AND REPORTS CONFIRMING COMPLIANCE.

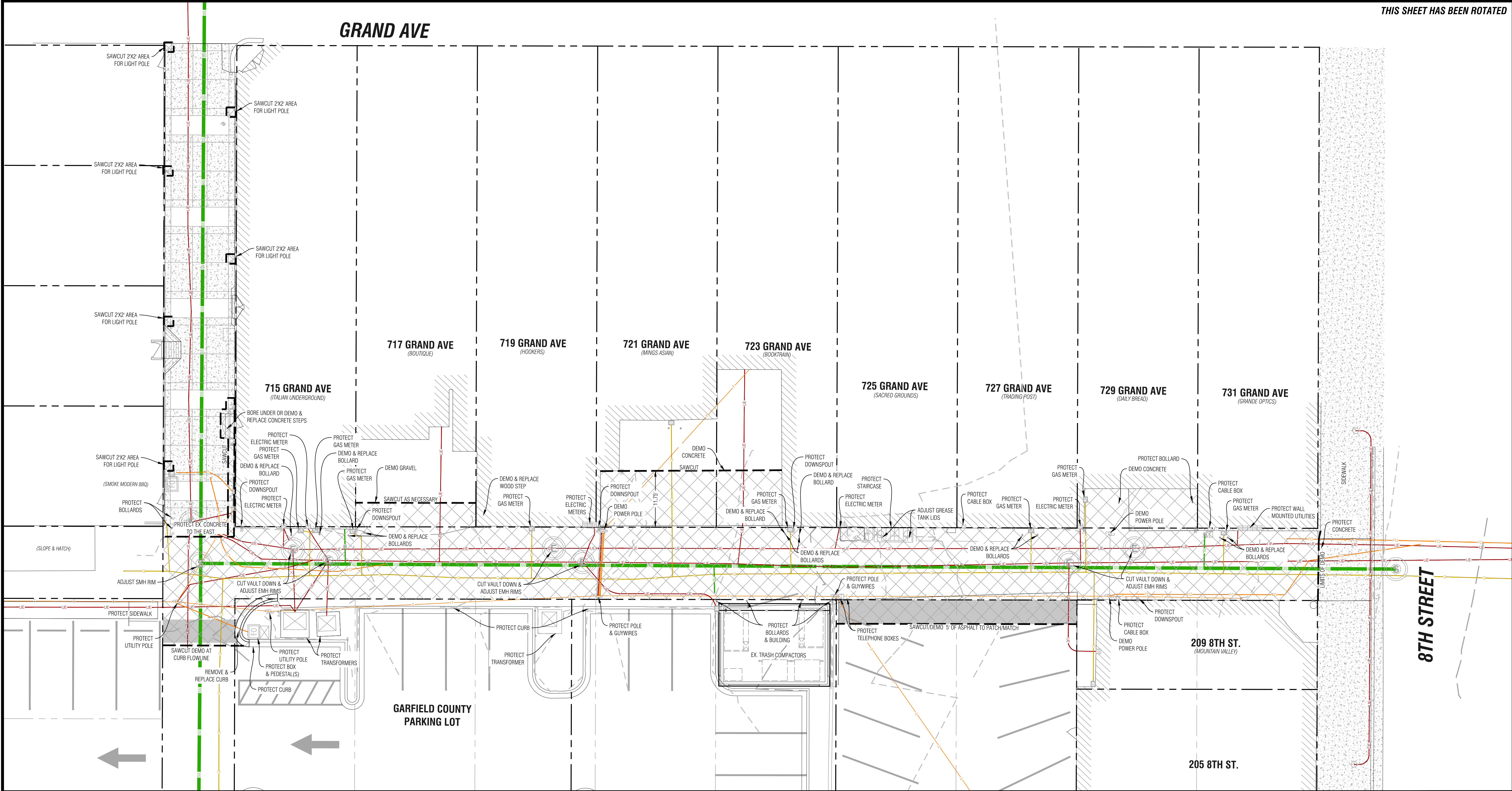
SUBSURFACE UTILITY ENGINEERING (SUE)

THE PREPARATION OF THESE PLANS WAS SUBSTANTIALLY COMPLETE PRIOR TO THE ADOPTION OF COLORADO REVISED STATUTE 9-1.5-102 AMENDMENTS ATTACHED TO SENATE BILL 18-167. THE SUBSURFACE UTILITY ENGINEERING (SUE) LEVEL FOR THIS PLAN SET IS SIMILAR TO ASCE 38-02 STANDARD UTILITY QUALITY LEVEL "C" OR "D" FOR UNDERGROUND FACILITIES. INFORMATION HEREIN IS BASED ON MAPPING INFORMATION PROVIDED BY OTHERS, SURFACE PAINT MARKINGS PROVIDED BY 811, AND OBSERVATION OF ABOVE GROUND STRUCTURES. BOUNDARIES UNLIMITED INC. WAS NOT CONTRACTED TO PERFORM SURFACE GEOPHYSICAL METHODOLOGY OR PHYSICALLY EXPOSE ANY EXISTING SUBSURFACE UTILITIES OR STRUCTURES FOR CONFORMANCE WITH CURRENT STANDARDS. AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTEE, EXPRESSED OR IMPLIED, FOR THE LOCATION OF THE SUBSURFACE UTILITIES OR STRUCTURES DEPICTED AND DOES NOT AUTHORIZE THIS PLAN SET FOR CONSTRUCTION. THE CLIENT MUST OBTAIN THE APPROPRIATE SUE MAPPING FOR CONFIRMATION AND/OR ADJUSTMENT OF THIS DESIGN PRIOR TO ANY CONSTRUCTION.

Boundaries Unlimited Inc.

Civil Engineering
Surveying
& Beyond

923 Cooper Ave., Ste. 201
Glen



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Civil Engineering
Surveying
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Boundaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811

Know what's below.
Call before you dig.

GWS Alley Block 43 Improvements Project

Demo Plan

95% Design Plan Set (Not For Construction)

By

Revision

Date

No.

1

2

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4

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PROJECT NO.
17009

Designer:
DJW

Checker:
BUJ

Date:
6/28/19

Sheet

C.2A

File Name: 17009-c-topo-bik43.dwg

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GRAND AVE

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Boundaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
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www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

NORTH

0 10' 20'
Scale: 1" = 10'

811

Know what's below.
Call before you dig.

GWS Alley Block 43 Improvements Project

Utility Plan

95% Design Plan Set (Not For Construction)

By

Revision

Date

No.

1

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PROJECT NO.
17009
Designer:
DJW
Checker:
BU
Date:
5/28/19

Sheet
C.3A

GLENWOOD SPRINGS, CO

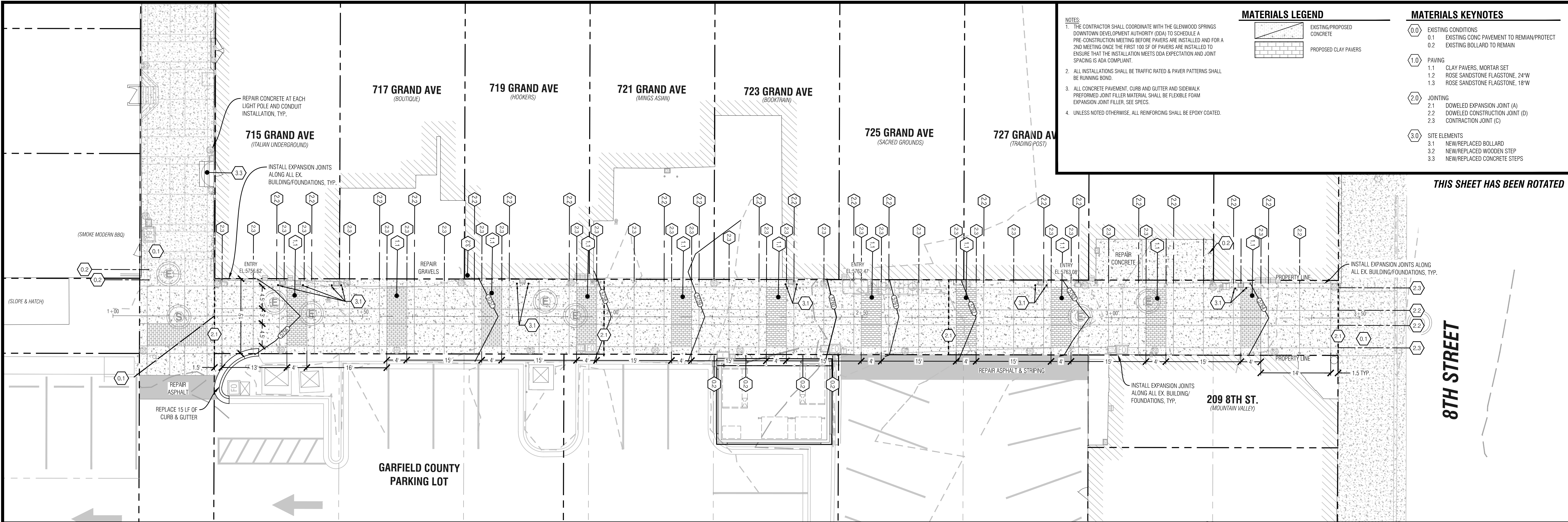
File Name: 17009-c-topo-bk43.dwg

The diagram is a detailed utility plan for the GWS Alley Block 43 Improvements Project. It shows a section of Grand Ave running horizontally across the top, with several cross streets labeled: 717 Grand Ave (BOUTIQUE), 719 Grand Ave (HOOKERS), 721 Grand Ave (MINGS ASIAN), 723 Grand Ave (BOOKTRAIN), 725 Grand Ave (SACRED GROUNDS), 727 Grand Ave (TRADING POST), 729 Grand Ave (DAILY BREAD), and 731 Grand Ave (GRANDE OPTICS). Below Grand Ave is the GARFIELD COUNTY PARKING LOT. To the right, 8th Street runs vertically. The plan shows various utility lines: existing and proposed contours, ditches/swale flow lines, storm sewer, sediment control fencing, telephone, electric, gas, fiber optics, cable TV, water main, water service, fire hydrant assembly, sewer service & cleanout, overhead electric/pole, and weep underdrain. It also shows existing and proposed structures: street signs, street lamp carriage, street lamp box, transformer, electric meter pedestal, switch cabinet, electric vault, electric meter (ped./wall), rock sock, inlet type-16, inlet type-R, inlet type-13, switch cabinet, gas meter, telecomm/TV wall mount, trash receptacle, and survey traverse station. A legend in the bottom right corner defines the symbols for these utilities and structures. The plan includes numerous callouts for specific installations, such as 'INSTALL STRING LIGHT POLE & BASE, TYP. (SEE BIGHORN CONSULTING ENGINEERS, INC. PLANS)' and 'INSTALL 108 LF 1" CONDUITS'. It also shows rerouting of existing utilities around new structures or poles. The bottom left corner contains a north arrow and a scale bar (1" = 10').

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923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(77) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

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Know what's below.
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GWS Alley Block 43 Improvements Project

Site Plan

95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

No.	Date	Revision
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PROJECT NO. **17009**
Designer: **DJW**
Checker: **BUJ**
Date: **5/28/19**

Sheet **C.4A**

File Name: 17009-c-topo-blk43.dwg

NOTE:

- SECTION IS BASED ON RECOMMENDATIONS PROVIDED BY H-P KUMAR GEOTECHNICAL ENGINEERING.
- ASPHALT SHALL BE HMA 5K75 PG 58-28. THE MIX DESIGN MUST BE SUBMITTED TO THE CITY FOR APPROVAL AT LEAST 30 DAY BEFORE THE ANTICIPATED INSTALLATION DATE.
- ASPHALT TO BE PLACED IN 3" LIFTS, MAXIMUM, AND COMPACTED TO A DENSITY OF 95% OPTIMUM DENSITY.
- WHERE THE EXISTING PAVEMENT IS A MACHINE PLACED HOT MIXED ASPHALTIC PAVEMENT A PREHEAT HOT APPLIED ASPHALTIC CONCRETE WILL BE USED.
- THE LONGITUDINAL PAVEMENT SEAM CREATED BETWEEN THE EXISTING ASPHALT AND THE NEW ASPHALT SHALL NOT BE LOCATED IN THE WHEEL PATH.
- AT THE LOCATIONS WHERE NEW ASPHALT IS TO ABUT EXISTING ASPHALT, SAW CUT THE EXISTING PAVEMENT 24-INCHES BACK FROM THE EXISTING EDGE AND REMOVE PAVEMENT. FROM THE SAW CUT LINE, MILL EXISTING PAVEMENT BACK 24 INCHES TO A DEPTH OF 2 INCHES. TACK EXPOSED VERTICAL ASPHALT EDGE PRIOR TO PAVING. THE SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE REMOVAL OF THE ASPHALT ITEM.
- TEMPORARY REPAIR TO BE PLACED THE SAME DAY AS COMPLETION OF BACKFILL. CONTRACTOR WILL MAINTAIN THE TEMPORARY REPAIR UNTIL THE PERMANENT REPAIR HAS BEEN COMPLETED.

ROAD SECTION

ASPHALT TO BE PLACED IN 3" LIFTS, MAXIMUM.

5" ASPHALT
8" CLASS 6 ABC COMPACTED TO 95% MODIFIED STANDARD PROCTOR
COMPACTED SUBGRADE

T-TOP PROFILE

EXISTING ASPHALTIC SURFACE COURSE
TACK COAT MILLED EDGE PRIOR TO PAVING
NEW PREHEAT ASPHALT
NEW BASE COURSE
TACK COAT VERTICAL EDGE PRIOR TO PAVING
SEE SHEAR STEP DETAIL
EXISTING BASE COURSE

Pavement Replacement

Scale: N.T.S.

EXPANSION JOINT

1/4" BELOW SURFACE
1/4" 1/2"
SILICONE SEALANT
PREFORMED JOINT MATERIAL
3/4"

CONTRACTION JOINT

SCORED, NOT SAWN

SEAL AT CONSTRUCTION JOINT

JOINT SEALANT
1/4"
1" MIN.
1/2" Ø BACKER ROD

CONSTRUCTION JOINT

#5 TIE BARS 30" CTRS.
15" 15" 1/2"

BOND BREAKER

BOND BREAKER SHALL BE COMPOSED OF PLASTIC SHEET, BUILDING PAPER OR OTHER APPROVED MATERIAL TO PREVENT BONDING.

NOTE: ALL JOINT EDGES SHALL BE HAND SCORED. SAWCUTTING IS NOT PERMITTED.

T = PAVEMENT THICKNESS
SC = SEAL AT CONSTRUCTION JOINT

Concrete Pavement Joints

Scale: N.T.S.

Ex. Electric Manhole Adjustment

Scale: N.T.S.

INSTALL NEW FRAME & SOLID LID WITH THE WORD "ELECTRIC" (MATCH EX. Ø)
PR. ELEVATION POINT
CONCRETE PAVEMENT
NON-SHRINK GROUT
SAWCUT DOWN THE VAULT WALLS SO THAT THE TOP OF THE CONCRETE LID CAN BE SET 6"-8" BELOW THE RIM ELEVATION POINT
EX. ELECTRIC MANHOLE/VAULT (48"=)

NOTES:

- SEE CONCRETE NOTES AND CDOT M-STANDARD M-608-1 FOR COMPLETE DETAILS AND REQUIREMENTS FOR CURB, GUTTER AND SIDEWALKS.
- GUTTER CROSS SLOPES SHALL BE 1/2" INCH PER FOOT WHEN DRAINING AWAY FROM THE CURB, AND 1 INCH PER FOOT WHEN DRAINING TO THE CURB.

TYPE 2, IIB

Curb & Gutter

Scale: N.T.S.

CONCRETE DOME
CONCRETE FILLED 6" STEEL TUBE, GALVANIZED, PRIME AND PAINT WITH A YELLOW EXTERIOR PAINT AND WRAP WITH 2 ROWS OF YELLOW REFLECTIVE TAPE
FINISH GRADE
COMPACTED EARTH
12" Ø CONCRETE PIER

Flagstone & Brick Paving

Scale: N.T.S.

ADJACENT CONCRETE PAVEMENT OR WALK
CLAY PAVERS OR STONE BANDS (SEE MATERIAL NOTES)
SETTING BED:
• MORTAR (IN ALLEYS & ALL FLAGSTONE),
• SAND (BRICK IN WALKS)
CIP CONC BASE SLAB SUBGRADE:
• FLOWABLE FILL (IN ALLEYS)
• CLASS 6 ABC (IN WALKS)
COMPACTED SUBGRADE

8" IN ALLEYS/RAMPS, 4" IN WALKS
8" IN ALLEY, 4" IN WALKS

Stationary Bollard

Scale: N.T.S.

CONCRETE DOME
CONCRETE FILLED 6" STEEL TUBE, GALVANIZED, PRIME AND PAINT WITH A YELLOW EXTERIOR PAINT AND WRAP WITH 2 ROWS OF YELLOW REFLECTIVE TAPE
FINISH GRADE
COMPACTED EARTH
12" Ø CONCRETE PIER

NOTES:

- INSTALL ALL PAVERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF NO RECOMMENDATIONS CAN BE OBTAINED, UTILIZE TECHNICAL NOTES ON BRICK CONSTRUCTION #14, #14A AND #14C, THE BRICK INDUSTRY ASSOCIATION (WWW.GOBICK.COM), LATEST EDITION.
- MORTAR SETTING BED SHALL BE ASTM C270 TYPE M WITH A LATEX-MODIFIER FOR VEHICULAR APPLICATIONS AND EXTREME ENVIRONMENTS.

MATERIAL NOTES:

- SIDEWALK FLAGSTONES (WHERE APPLICABLE):
1.1 2-1/2" THK x 2'-0" W (OR 1'-6" W, PER PLAN) x 3'-4" L LYON SANDSTONE, ROSE SANDSTONE FLAGSTONE PAVERS, SAWN EDGES (MATCH MATERIALS ON COOPER STREET NEAR 9th STREET), GROUTED JOINTS 1/2" MAX.
- ALLEY CLAY PAVERS:
2.1 2-5/8" THK x 4" W x 8" L, RELIEVED EDGE LUGGED CLAY PAVERS, ENDOCOTT MEDIUM IRONSPOT #46, MORTAR SET, GROUTED JOINTS 1/2" MAX.

Unsuitable Material

Scale: N.T.S.

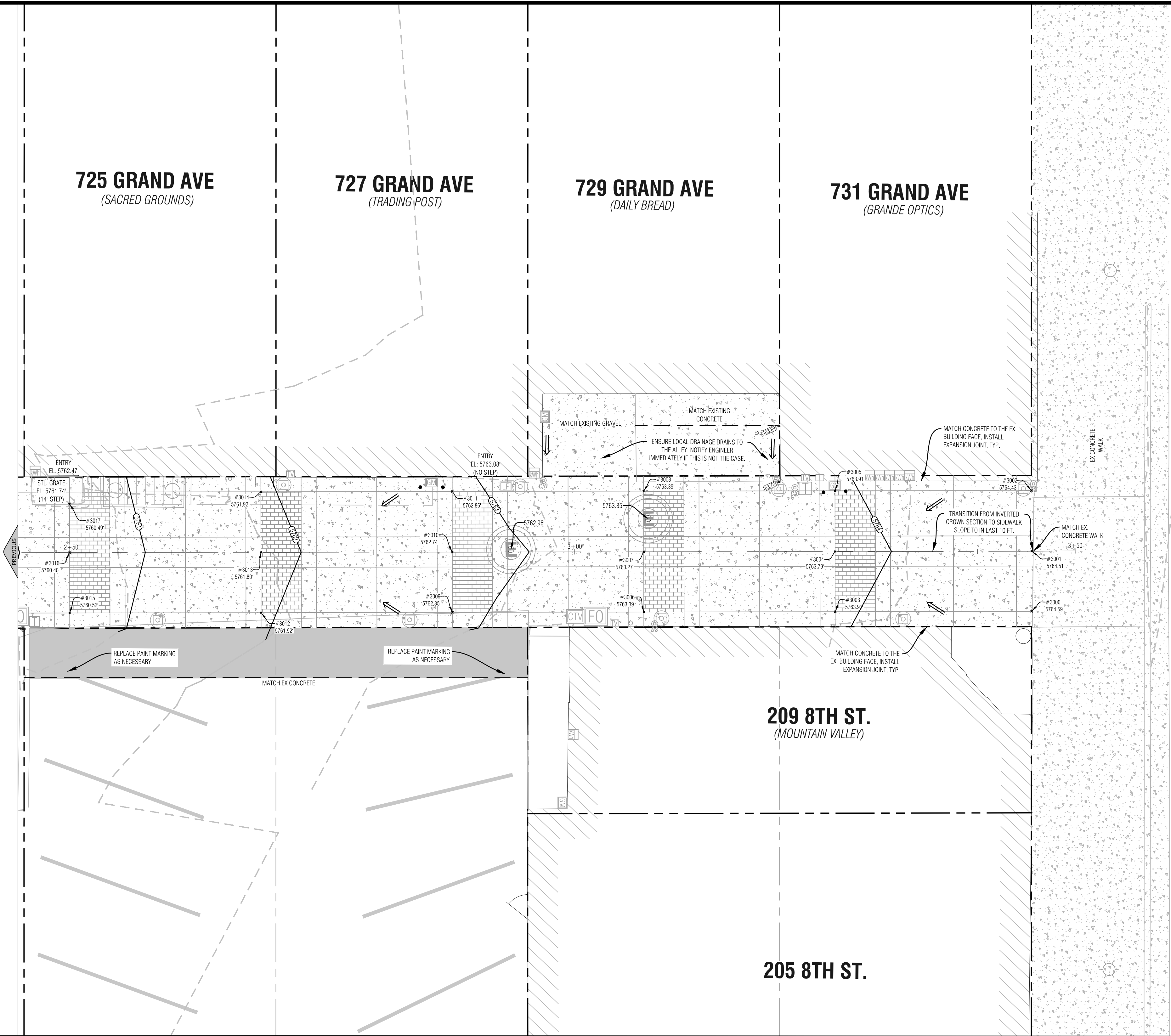
BIAXIAL GEOTEXT: STRATABASE SB12, TENSAR BX1200, OR ENGINEER APPROVED EQUAL.
ASPHALT OR CONCRETE (PER PLAN)
FLOWABLE FILL (PER CITY SPECIFICATIONS)
24" CLASS 2 ABC COMPACTED TO 95% MODIFIED STANDARD PROCTOR
NATIVE SUBGRADE

Concrete Pavement

Scale: N.T.S.

8" REINFORCE CONCRETE OR PAVERS OVER 8" REINFORCE CONCRETE SUB-BASE (PER PLAN, SEE FLAGSTONE AND BRICK PAVING DETAIL)
8" FLOWABLE FILL (PER CITY SPECIFICATIONS)
SUBGRADE
GEOTEXT: TENSAR TRIAX TX140 PER FIELD DIRECTIVE BY THE GEOTECHNICAL ENGINEER.

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Point Table			
Point #	Description	Elevation	Northing
3000	FG-Match	5764.59'	40072.61
3001	FG-Match	5764.51'	40072.44
3002	FG-Match	5764.43'	40072.31
3003	FG	5763.91'	40092.11
3004	FG	5763.79'	40091.96
3005	FG	5763.91'	40091.81
3006	FG	5763.39'	40111.10
3007	FG	5763.27'	40110.95
3008	FG	5763.39'	40110.80
3009	FG	5762.85'	40130.10
3010	FG	5762.74'	40129.95
3011	FG	5762.86'	40129.80
3012	FG	5761.92'	40149.09
3013	FG	5761.80'	40148.95
3014	FG	5761.92'	40148.79
3015	FG	5760.52'	40168.08
3016	FG	5760.40'	40167.93
3017	FG	5760.49'	40167.81

Civil Engineering
Surveying
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Boundaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

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GWS Alley Block 43 Improvements Project

Grading Plan - NS Corridor - Sta. 2 +50 To End

95% Design Plan Set (Not For Construction)

By

Revision

Date

No.

1

2

3

4

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7

8

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Project No.
17009

Designer:
DJW

Checker:
BUJ

Date:
5/28/19

Sheet

C.6A

File Name: 17009-c-1topo-bik43.dwg

Profile: NS Alley Centerline, Sta. 2+50 to Sta. 3+50
Scale: Vert. = 6', Horiz. = 6'

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GENERAL LIGHTING NOTES:

- LUMINAIRES:
 - COORDINATE THE LOCATION OF LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, POLES, CONTROLS, TRANSFORMERS WITH THE ARCHITECTURAL, DRAWINGS AND ALL OTHER TRADES AS REQUIRED.
 - VERIFY LUMINAIRE MOUNTING REQUIREMENTS OF ALL FIXTURES, POLES AND OTHER EQUIPMENT PRIOR TO ORDERING.
 - ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING PROVIDED.
 - THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH ARCHITECTS AND ENGINEERS AS EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL CONTRACTOR AND ELECTRICAL ENGINEER.
- LIGHTING CONTROLS:
 - ALL LIGHTS SHALL BE CONTROLLED WITH A PHOTOCELL OR TIME CLOCK PER THE CITY REQUIREMENTS AND CODES.
- GENERAL NOTES:
 - FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.
- WIRING:
 - ALL WIRE IS TO BE #12 UNLESS NOTED OTHERWISE.
 - ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.
 - ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC AND ALL APPLICABLE LOCAL CODES.
 - ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING. FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.

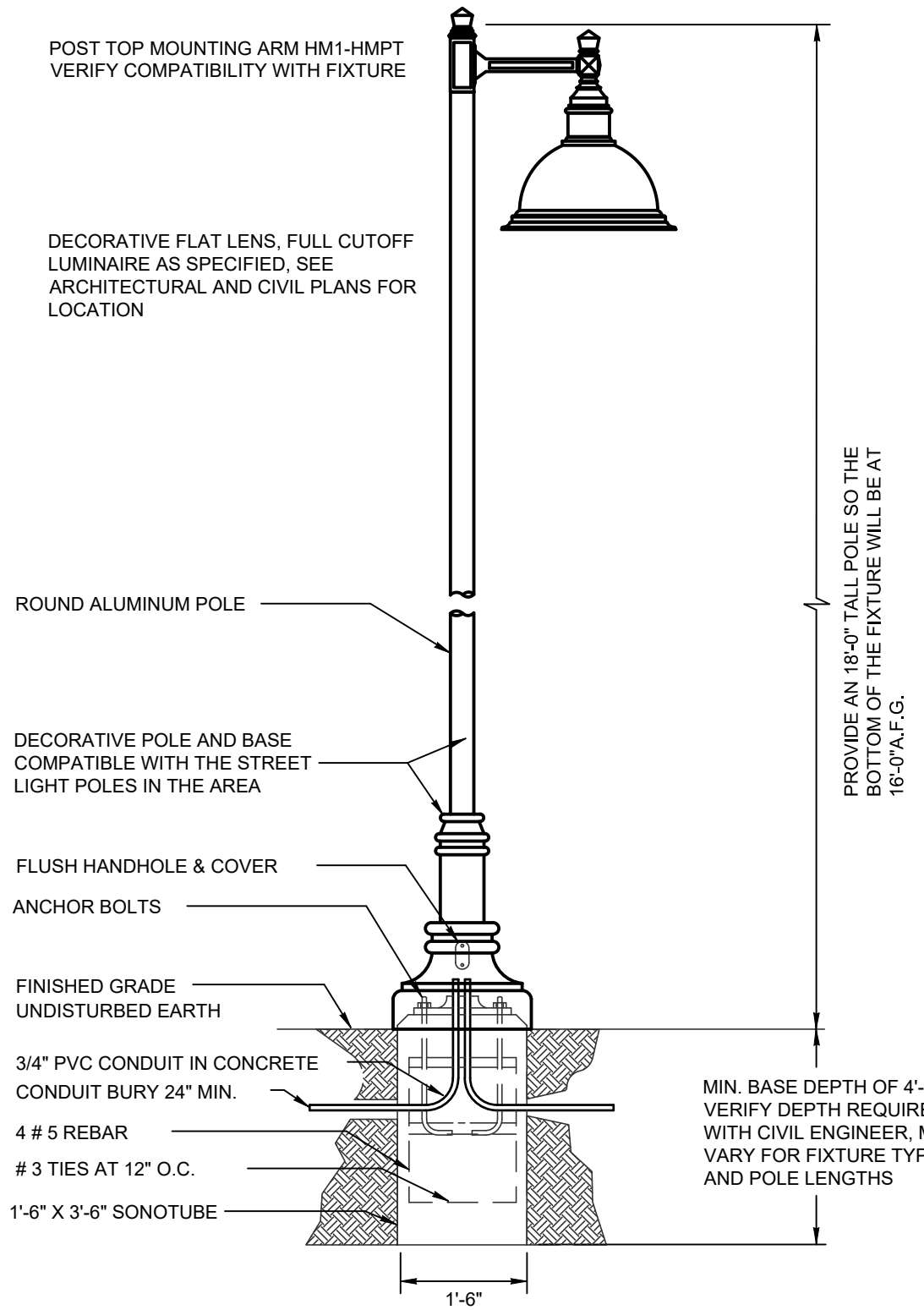
LIGHTING LEGEND

- NOTES:
SYMBOLS SHOWN ARE STANDARD, VARIATION AND/OR COMBINATIONS MAY BE USED ON THE PLANS.
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- AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS.
- ELECTRICAL EQUIPMENT
- BRANCH CIRCUIT PANELBOARD
 - CIRCUITRY HOMERUN: PANEL LA - CIR. #7
 - CONDUIT OR WIRE CONCEALED IN WALL/CL.G.
 - CONDUIT OR WIRE UNDERFLOOR/UNDERGND.
 - WALL JUNCTION BOX - SURFACE/FLUSH
 - POLE FIXTURE TO SUPPORT POWERSPAN CABLING
- ABBREVIATIONS
- DRAWING KEYED NOTE
 - NL NIGHT/SECURITY LIGHT - DO NOT SWITCH
 - WP WEATHERPROOF
 - A.F.G. ABOVE FINISHED GRADE
 - GFCI GROUND FAULT CIRCUIT INTERRUPTER
 - EM EMERGENCY FUNCTION
 - 44" MOUNTING HEIGHT - A.F.G. OR A.F.G. TO C.L. HIGH

SITE LIGHTING LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER CATALOG NO.	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	DESCRIPTION
SC1	TEGAN LIGHTING KORE-EXS-K-C-GEF-BLK HM1-HMPT ARM, TEGAN POWER SUPPLY & DRIVER	APPROVED EQUIVALENT	120V POWER SPAN DIRECT MOUNT CABLE	LED REMOTE DIMMING POWER SUPPLY, 6W, 199LM, 3500K, 90CRI	EXTRON POWERSPAN PENDANT, CABLE MOUNT, G GLASS ENVELOPE FROSTED GLASS BULB, BLACK FINISH, DIMMABLE. 110" MAX CABLE LENGTH, MOUNT LAMPS 4'-0" APART.
SP1	STERNBERG LIGHTING 1A-1521LED5M-F-12L-30-T2-MDLO08-FG--U-GUM	APPROVED EQUIVALENT	120V POLE ARM MOUNTED	LED 8mA 0-10V DIMMING DRIVER, 27W, 3049LM, 70CRI,	OMEGA SERIES, ARM MOUNTED FIXTURE, FLARED EDGE, TYPE T2 DISTRIBUTION, GUM METAL MATTE FINISH, POLE AND BASE COMPATIBLE WITH FIXTURE AND ARM

- NOTES:
- ALL CABLE MOUNTED LIGHTS IN THE ALLEYS ARE TYPE SC1. ALL POLE MOUNTED LIGHTS ARE TYPE SP1 UNLESS OTHERWISE NOTED.
 - THE ELECTRICAL CONTRACTOR IS TO ORDER ALL HARDWARE AND COMPONENTS NECESSARY FOR A FULL AND COMPLETE INSTALLATION AND MOUNTING OF ALL LUMINAIRE.
 - ALL POLES TO BE STRAIGHT POLE, COLOR TO MATCH LUMINAIRES. POLE SHAFT WILL BE RATED FOR WIND GUSTS OF 100 MILES/HOUR.
 - ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL MUNICIPAL ZONING & DEVELOPMENT CODES, LIGHT TRESPASS AND DARK SKY INITIATIVES.
 - ALL EXTERIOR LIGHTS ARE TO BE CONTROLLED THRU AN AUTOMATIC CONTROL SYSTEM FOR ALL NIGHT OPERATION AND DIMMING.
 - NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.
 - ORDER ALL EXTERIOR LUMINAIRES WITH MULTI-TAP BALLAST AND FIELD VERIFY AVAILABLE VOLTAGE FOR EACH LUMINAIRE PRIOR TO INSTALLATION.

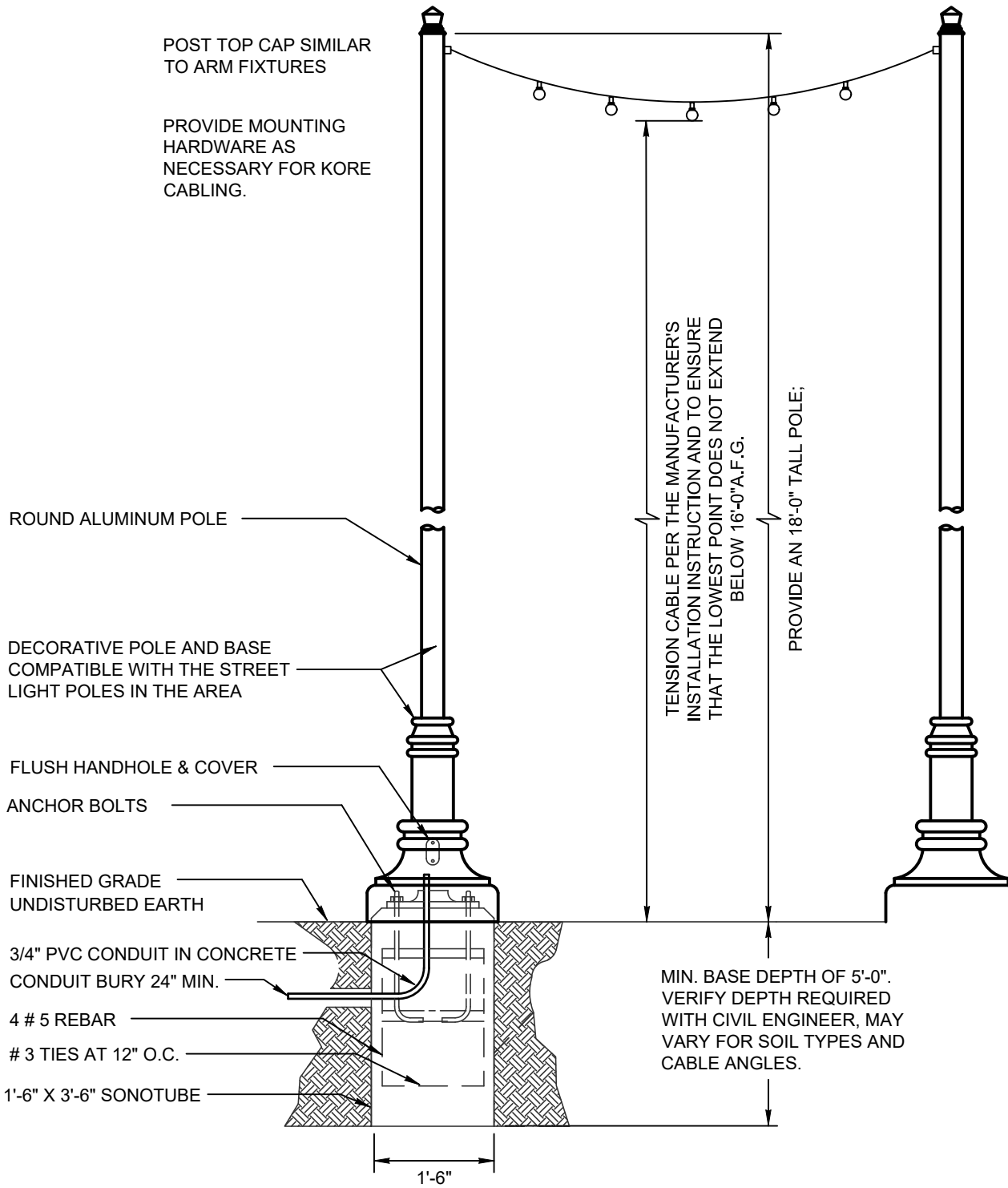


LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE

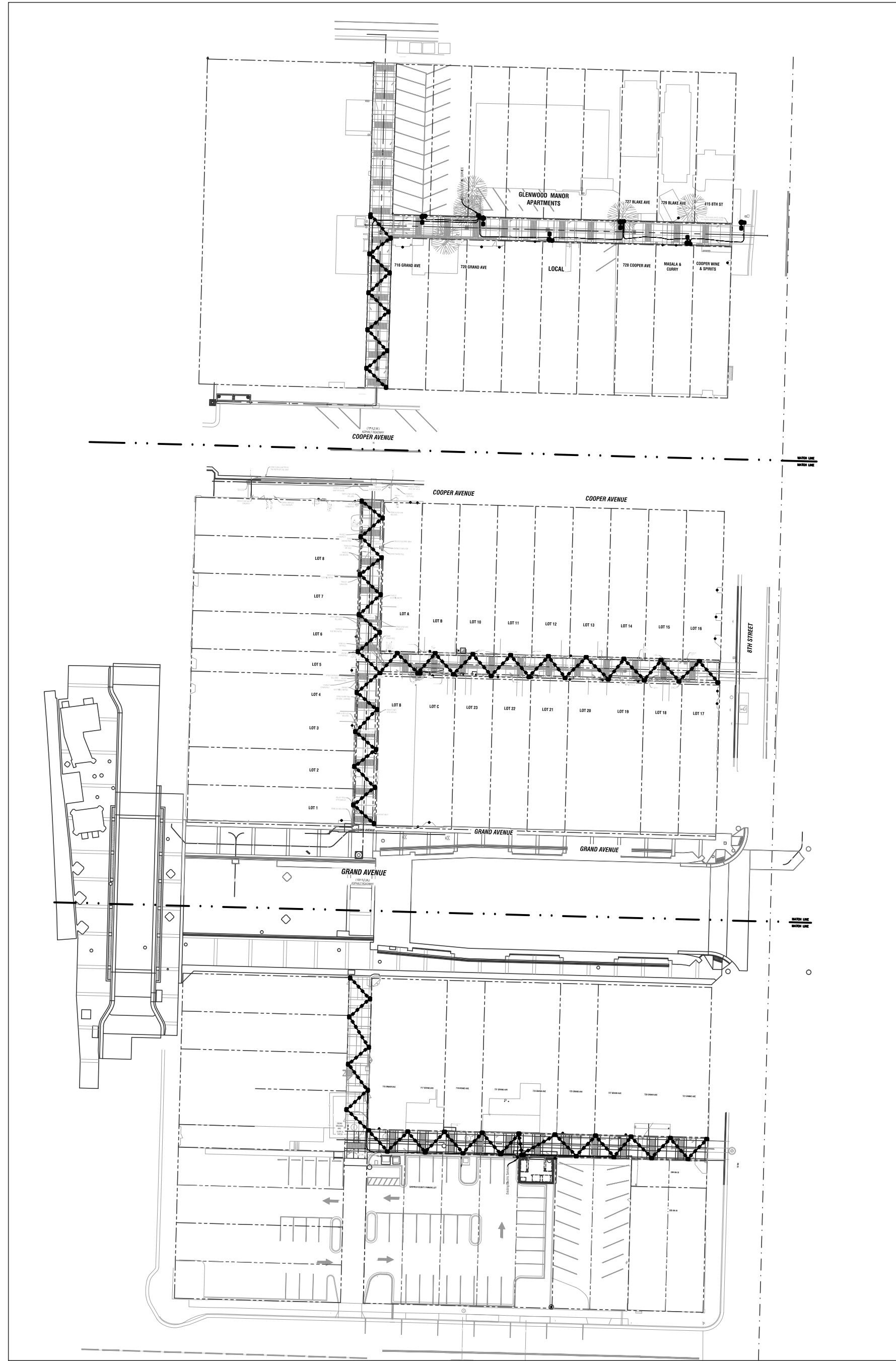
NOTES:

- VERIFY THE BURY DEPTH AND DIAMETER OF THE SONOTUBE WITH THE CIVIL ENGINEER PRIOR TO PURCHASING THE EQUIPMENT. DEPTH WILL DEPEND ON SOIL CONDITIONS. TYPICAL CONCRETE DEPTH IS 5 FT.
- THE ELECTRICAL CONTRACTOR IS TO INSTALL VIBRATION DAMPERS IN ALL POLES, OBTAIN DAMPERS FROM POLE MANUFACTURER FOR EACH ALUMINUM POLE.
- ALL OUTSIDE LIGHT SOURCES SHALL COMPLY WITH SECTION 21.06.080 OF THE ZONING AND DEVELOPMENT CODE.
- NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.



STRING LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE



SITE LIGHTING PLAN - OVERALL PLAN FOR REFERENCE

SCALE: NOT TO SCALE

PHOTOMETRIC CALCULATION DISCLAIMER:

LIGHTING PATTERN USED FOR LUMINAIRES REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY LUMINAIRE MAY VARY DUE TO VARIATION IN VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD AND EQUIPMENT CONDITIONS.

EXTERIOR LIGHTING DESIGN CONCEPTS:

- CALCULATIONS ARE USING POINT-TO-POINT METHOD WITH TEN FEET DISTANCE BETWEEN CALCULATION GRID POINTS, USING VISUAL LIGHTING CALCULATIONS SOFTWARE.
- THE IESNA STANDARDS REPRESENT THE LOWEST ACCEPTABLE LEVELS FOR PROPER VISIBILITY AND RECOMMEND MINIMUM MAINTAINED LIGHT LEVELS FOR OPEN PARKING LOTS AT 0.2-0.5 FOOT CANDLE LEVELS FOR ENHANCED SECURITY CONDITIONS.
- PROPOSED LIGHT FIXTURES AND LIGHT LEVELS ARE TO BE IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS.

EXTERIOR LIGHTING NOTES:

- LIGHT FIXTURES SHALL BE INSTALLED AND MAINTAINED IN A MANNER CONSISTENT WITH THE LIGHTING PLAN APPROVED BY THE CITY PLANNING DEPARTMENT. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE LIGHTING FIXTURES ON THEIR PROPERTY.
- REFER TO LANDSCAPE PLANS FOR MATURE HEIGHT OF EXISTING AND PROPOSED TREES.
- REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING HEIGHT INFORMATION.
- ALL EXTERIOR LIGHT FIXTURES SHALL BE OPERATED BY ASTRONOMICAL TIME CLOCK, PHOTOCELL OR LIGHTING CONTROL SYSTEM.
- POST-CURFEW LIGHT LEVELS FOR PARKING LOTS SHALL BE REDUCED BY AT LEAST 50%. ENTRY LIGHTS MAY BE LEFT ON.
- FACILITIES & SITE DEVELOPMENT OF THIS SITE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS, STANDARDS AND DETAILS.
- ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL ZONING & DEVELOPMENT CODES.
- PARKING LOT LIGHTS SHALL OPERATE DUSK TO PRE-SET OFF, SO THAT THEY EXTINGUISH ONE HOUR AFTER CLOSE OF BUSINESS OR NO LATER THAN 10 P.M. BUILDING SECURITY LIGHTS WILL OPERATE FROM DUSK TO DAWN.

ACCEPTANCE BLOCK

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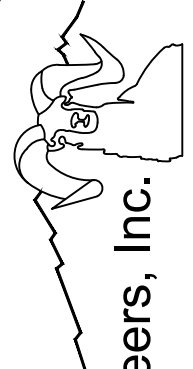
CITY DEVELOPMENT ENGINEER

DATE

CITY PLANNER

DATE

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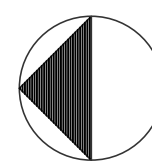
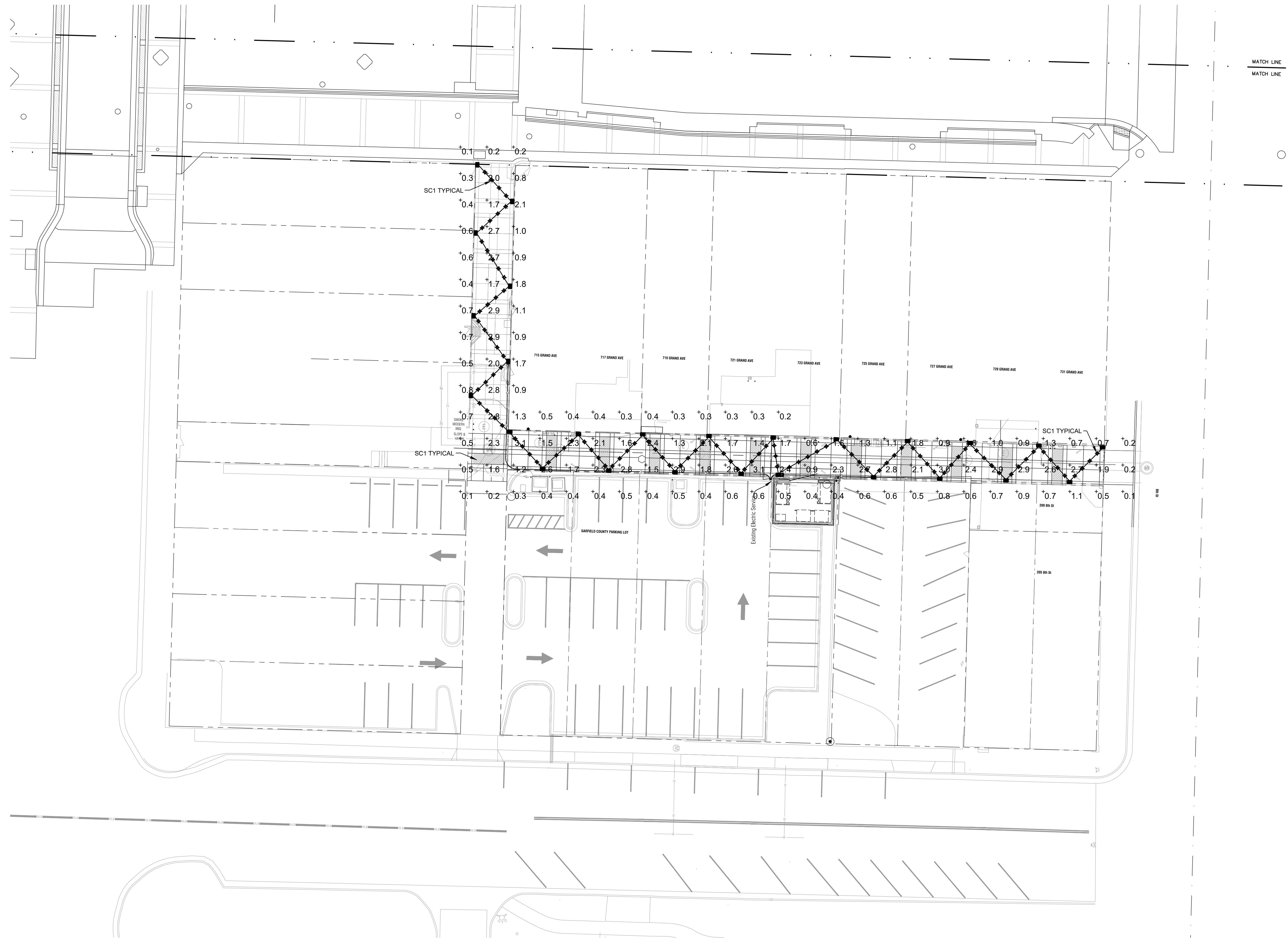
386 Indian Road
Grand Junction, CO 81501
Phone: 970-241-8709

GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS
SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	IES1-0

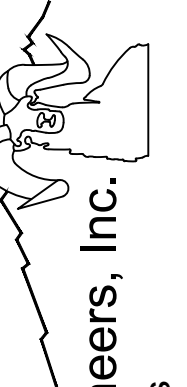


NORTH

ISO-FOOTCANDLE SITE LIGHTING PLAN - ALLEY 43

SCALE: 1"=20'-0"

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GLENWOOD SPRINGS ALLEY BLOCK 43,44, & 45 IMPROVEMENTS

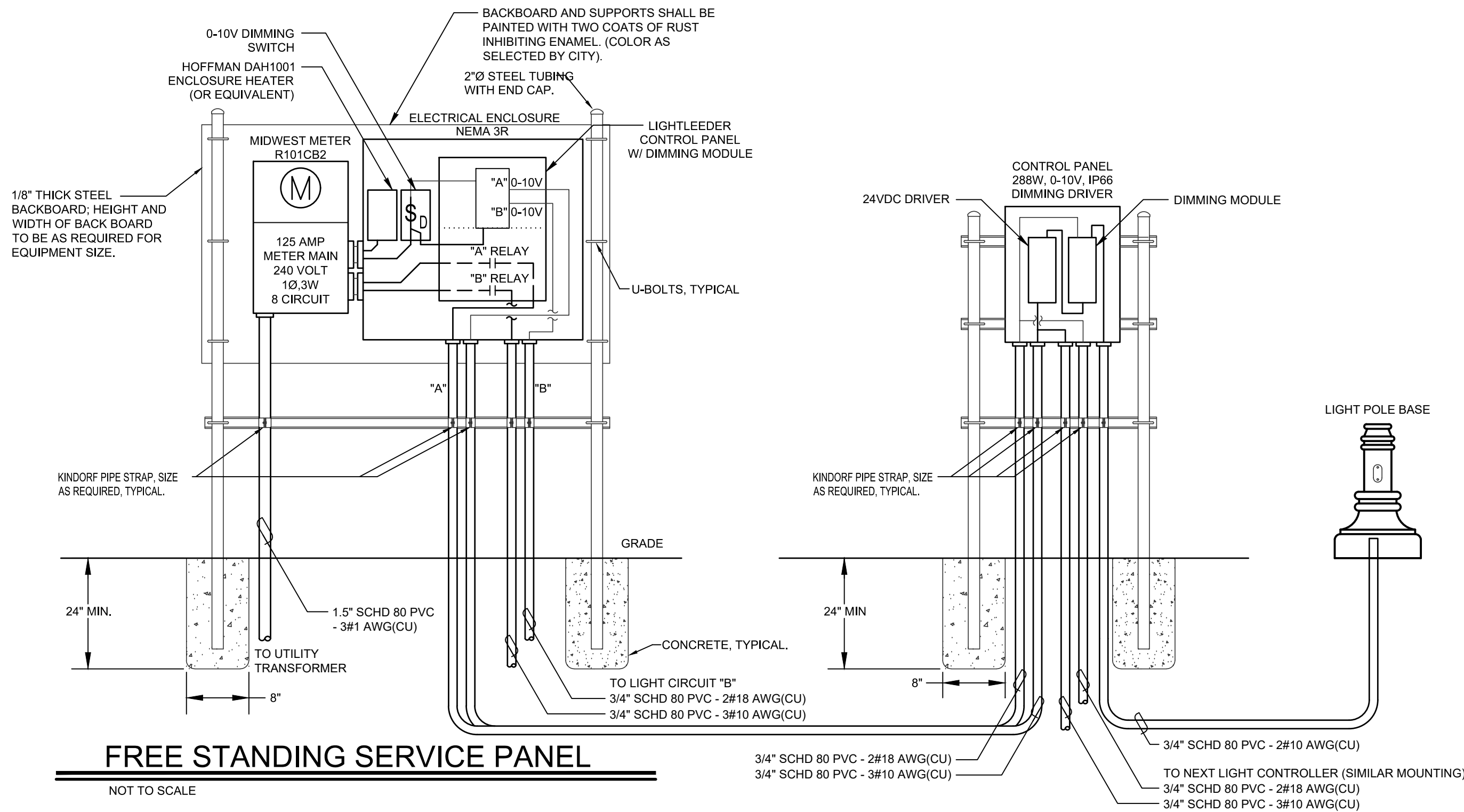
SITE LIGHTING

GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
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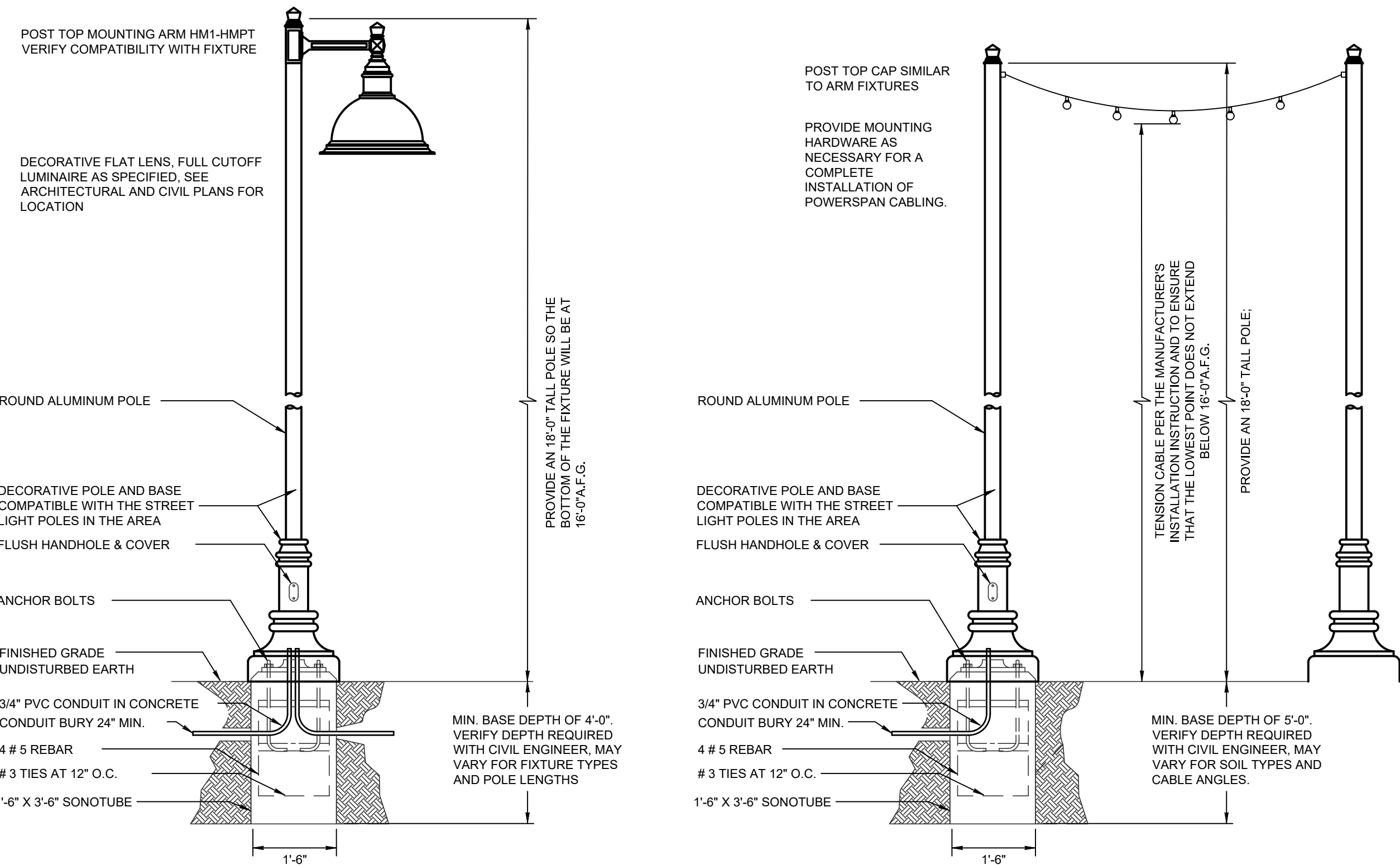


ELECTRICAL SERVICE NOTES:

1. PROVIDE MATERIALS FOR SUPPORT STRUCTURE TO MOUNT METER MAIN, AND NEMA 3R RATED LOCKABLE ELECTRICAL ENCLOSURE. COORDINATE SIZE WITH CONTROLS AND HEATER TO BE INSTALLED; MINIMUM DIMENSIONS: 24"W x 24"H x 8"D.
2. CONTROLS TO BE A 2 RELAY LIGHTLEADER AUTOMATIC LIGHTING CONTROLLER, WITH A LIGHTSYNC DIMMER MODULE AND PHOTO SENSOR, CONTRACTOR TO SUPPLY A DIMMING SWITCH COMPATIBLE WITH THE LIGHTLEADER CONTROLLER, AND SINGLE GANG HOUSING TO MOUNT IN THE ELECTRICAL ENCLOSURE. EACH RELAY ("A" AND "B") WILL CONTROL A LIGHTING CIRCUIT EACH POWERING MULTIPLE LIGHT PANELS.
3. THE INTERIOR OF THE ELECTRICAL ENCLOSURE TO BE THERMALLY REGULATED BY A HOFFMAN DAH1001A (OR EQUIVALENT) ENCLOSURE HEATER, SET THERMOSTAT TO ENSURE 40°F (5°C) MINIMUM ENCLOSURE TEMPERATURE. ENSURE ADEQUATE CLEARANCE AROUND HEATER PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE GROUNDING PER THE 2017 NEC.
5. ELECTRICAL CONTRACTOR TO PROVIDE LINE VOLTAGE 0-10V DIMMER SWITCH TO CONTROL THE DIMMING MODULE FOR ALL LIGHT CABLE INSTALLATIONS EACH ALLEY.
6. ENSURE CONDUIT BURIAL TO A MINIMUM DEPTH OF 24".
7. PROVIDE A 48"x36"x3" CONCRETE PAD AROUND THE METER SERVICE FRAMEWORK WITH CONCRETE FILLED 4" GALVANIZED SCHEDULE 40 STEEL PIPE AT EACH OF THE CORNERS THAT IS EXPOSED TO VEHICULAR TRAFFIC.
8. SET TIME SWITCH AND CALENDAR PER CITY OF GLENWOOD SPRINGS DIRECTION.
9. ALL MODELS IDENTIFIED ON DRAWINGS ARE FOR DESIGN INTENT; EQUIVALENT MODELS SHALL BE SUBMITTED TO ENGINEERS FOR APPROVAL.

ELECTRICAL LIGHT CONTROL PANEL NOTES:

1. PROVIDE MATERIALS FOR SUPPORT STRUCTURE TO MOUNT LIGHT CONTROLLER.
2. PROVIDE GROUNDING PER THE 2017 NEC.
3. ENSURE CONDUIT BURIAL TO A MINIMUM DEPTH OF 24".
4. MAKE TERMINATIONS BETWEEN POWERSPAN CABLES AND FEEDER WIRING IN THE BASE OF THE LIGHT POLE.
5. REFERENCE SHEETS ES1-1,2 & 3 FOR LOCATIONS OF LIGHT PANELS.



NOTES:

1. VERIFY THE BURY DEPTH AND DIAMETER OF THE SONOTUBE WITH THE CIVIL ENGINEER PRIOR TO PURCHASING THE EQUIPMENT. DEPTH WILL DEPEND ON SOIL CONDITIONS. TYPICAL CONCRETE DEPTH IS 5 FT.
2. THE ELECTRICAL CONTRACTOR IS TO INSTALL VIBRATION DAMPERS IN ALL POLES, OBTAIN DAMPERS FROM POLE MANUFACTURER FOR EACH ALUMINUM POLE.
3. ALL OUTSIDE LIGHT SOURCES SHALL COMPLY WITH SECTION 21.06.080 OF THE ZONING AND DEVELOPMENT CODE.
4. NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.

LIGHTING LEGEND

NOTES:

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AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS.

ELECTRICAL EQUIPMENT

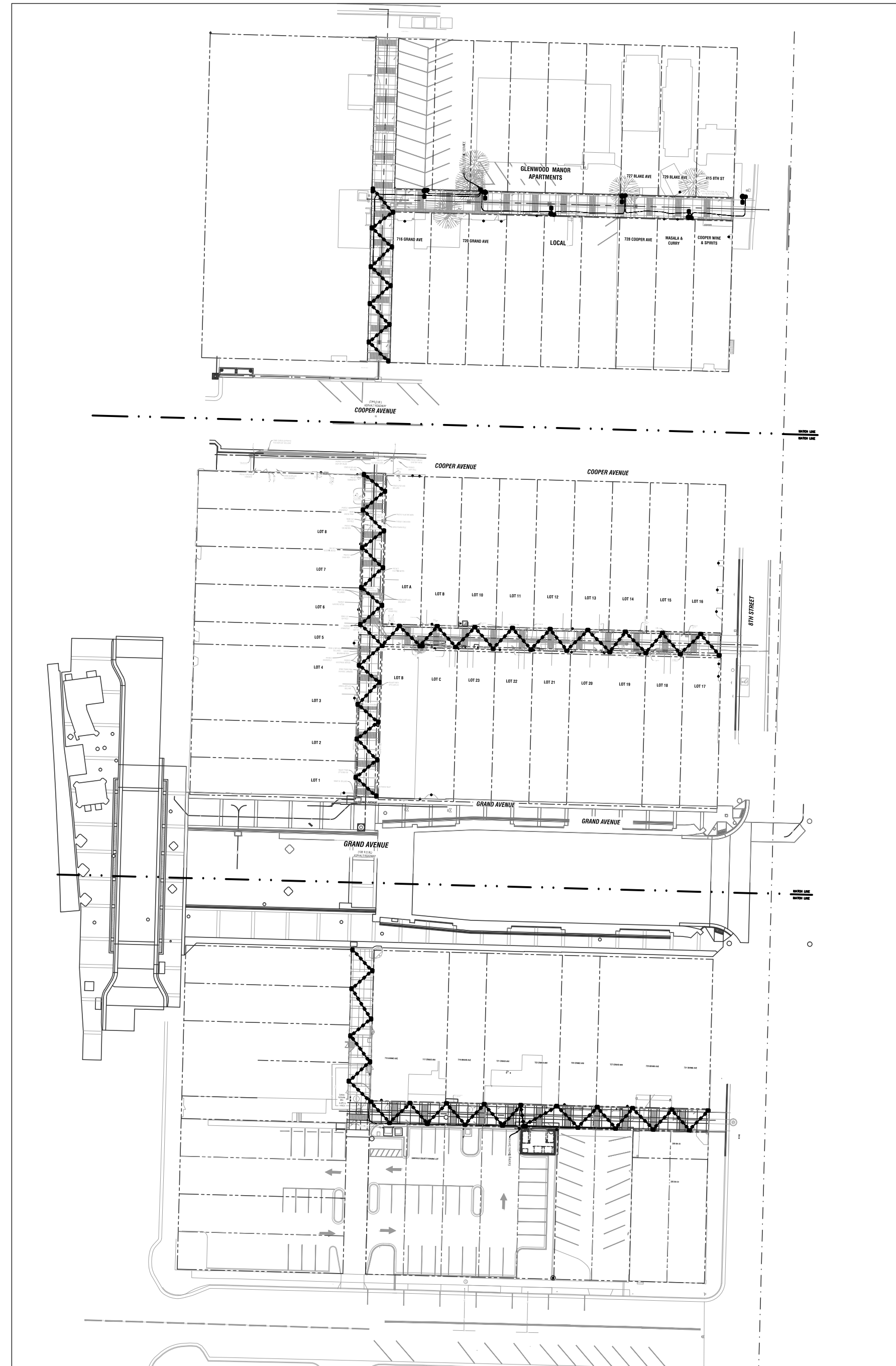
- BRANCH CIRCUIT PANELBOARD
- CIRCUITRY HOMERUN: PANEL LA - CIR. #7
- CONDUIT OR WIRE CONCEALED IN WALL/C/LG.
- CONDUIT OR WIRE UNDERFLOOR/UNDERGRD.
- WALL JUNCTION BOX - SURFACE/FLUSH
- POLE FIXTURE TO SUPPORT POWERSPAN CABLEING

ABBREVIATIONS

- DRAWING KEYED NOTE
- NIGHT/SECURITY LIGHT - DO NOT SWITCH
- WEATHERPROOF
- ABOVE FINISHED GRADE
- GROUND FAULT CIRCUIT INTERRUPTER
- EMERGENCY FUNCTION
- MOUNTING HEIGHT - A.F.F. OR A.F.G. TO C.L. HIGH

GENERAL LIGHTING NOTES:

1. **LUMINAIRES:**
 - 1.1. COORDINATE THE LOCATION OF LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, POLES, CONTROLS, TRANSFORMERS WITH THE ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES AS REQUIRED.
 - 1.2. VERIFY LUMINAIRE MOUNTING REQUIREMENTS OF ALL FIXTURES, POLES AND OTHER EQUIPMENT PRIOR TO ORDERING.
 - 1.3. ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING PROVIDED.
 - 1.4. THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH ARCHITECTS AND ENGINEERS AS EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL CONTRACTOR AND ELECTRICAL ENGINEER.
2. **LIGHTING CONTROLS:**
 - 2.1. ALL LIGHTS SHALL BE CONTROLLED WITH A PHOTOCELL OR TIME CLOCK PER THE CITY REQUIREMENTS AND CODES.
3. **GENERAL NOTES:**
 - 3.1. FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.
4. **WIRING:**
 - 4.1. ALL WIRE IS TO BE #12 UNLESS NOTED OTHERWISE.
 - 4.2. ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.
 - 4.3. ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC AND ALL APPLICABLE LOCAL CODES.
 - 4.4. ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING, FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.



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2. THE IESNA STANDARDS REPRESENT THE LOWEST ACCEPTABLE LEVELS FOR PROPER VISIBILITY AND RECOMMEND MINIMUM MAINTAINED LIGHT LEVELS FOR OPEN PARKING LOTS AT 0.2-0.5 FOOT CANDLE LEVELS FOR ENHANCED SECURITY CONDITIONS.
3. PROPOSED LIGHT FIXTURES AND LIGHT LEVELS ARE TO BE IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS.

EXTERIOR LIGHTING NOTES:

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4. ALL EXTERIOR LIGHT FIXTURES SHALL BE OPERATED BY ASTRONOMICAL TIME CLOCK. PHOTOCELL OR LIGHTING CONTROL SYSTEM.
5. POST-CURFEW LIGHT LEVELS FOR PARKING LOTS SHALL BE REDUCED BY AT LEAST 50%. ENTRY LIGHTS MAY BE LEFT ON.
6. FACILITIES & SITE DEVELOPMENT OF THIS SITE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS, STANDARDS AND DETAILS.
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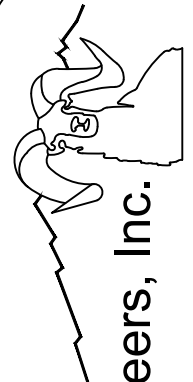
CITY DEVELOPMENT ENGINEER

DATE

CITY PLANNER

DATE

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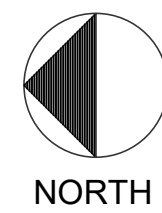
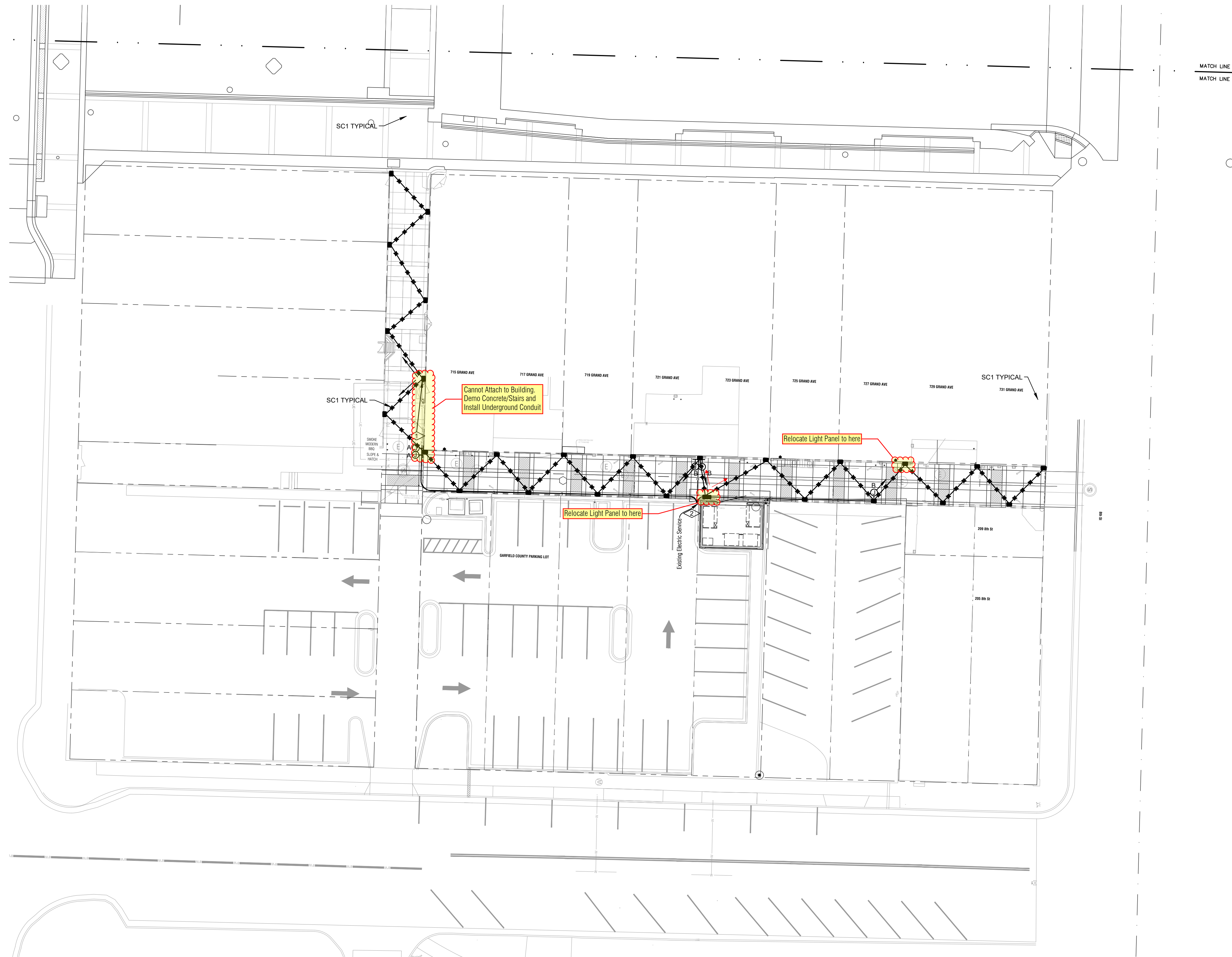
Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
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Phone: 970-241-8709

**GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS**
SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	ES1-0



SITE LIGHTING PLAN - ALLEY 43

SCALE: 1"=20'-0"

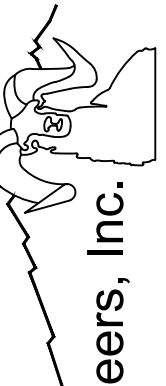
FLAG NOTES:

- LOCATE THE LIGHT PANELS AT THE CORNER OF THE BUILDING AND ROUTE THE POWERSPAN CONDUCTORS ALONG THE SURFACE OF THE BUILDING TO THE LIGHT POLE TO THE EAST.
- PROVIDE (4) 20 AMP SIEMENS BREAKERS COMPATIBLE WITH THE EXISTING COMPACTOR PANEL. EXTEND (2) 3/4" SCHEDULE 80 PVC EACH WITH (2) 3#10 AWG(CU) TO THE LIGHTLEEDER LIGHTING CONTROL PANEL FOR LIGHTING AND CONTROL CIRCUITS.
- PROVIDE STEEL TUBE SUPPORTED UNISTRUT FRAME SIZED TO CONTROL PANEL. LOCATE ON ALLEY SIDE OF FENCE OR AS DIRECTED BY CITY OF GLENWOOD.

GENERAL NOTES:

- RELAY CIRCUITS "A" OR "B" SUPPLY OPPOSITE ENDS OF THE ALLEY FROM THE SERVICE PANEL. EXTENDING FROM THE LIGHTLEEDER CONTROL MODULE, EACH ARE CALLED OUT NEXT TO POWERSPAN CABLING CONTROL PANELS AND POLE LIGHTING THEY FEED.
- JUNCTION BOXES IDENTIFY THE LOCATIONS FOR THE POWERSPAN CABLING CONTROL PANELS. THE ARROWS DENOTE THE RUN OF THE POWERSPAN CABLING FROM THE CABLE CONTROL PANEL TOWARD THE END OF THE CABLE.
- INSTALL AND TENSION PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND TO ENSURE THAT THE LOWEST LIGHT FIXTURE IS ABOVE 16' A.F.G.

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SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE: 02/21/19 ISSUED FOR: PERMIT DRAWINGS



DATE: 02/21/2019
JOB NO: 18-234
DRAWN BY: BCE
CHECKED BY: BCE
SCALE: AS SHOWN
SHEET NUMBER:

ES1-1

LightSync 0-10V Dimming Output Module Details

The diagram illustrates the internal layout of the LightSync 0-10V Dimming Output Module. Key features include:

- Dimensions:** The module has a width of 2.75 inches and a height of 3.50 inches.
- Terminations:** It features 0-10VDC dimming terminations on control wires before connecting to the terminal. A caution notes that line voltage applied will cause damage to electronics and possible electrocution.
- Connectors:** RJ-45 connectors for "R" remote mount option are shown at the top. An output module pin connector for "P" panel mount option is also indicated.
- Internal Components:** The module contains address switches for setting a unique dimmer device address from 01 to 10 hexadecimal (16 possible). It also includes removable screw type terminal blocks that accept 16-12 AWG wire.
- Wiring:** Purple (+) and Gray/Purple striped (-) wires are connected to the terminal block.
- Optional Settings:** Left & right jumper settings must match per output for proper operation. Options include:
 - A: Direct drive
 - B: Source voltage
 - C: Sink voltage for 0-10V dimming ballast (default)
- Mounting:** A mounting hole for 6-32 screw (4) is provided.

Wire Gauge	Length
16 AWG	800 feet
18 AWG	500 feet
20 AWG	320 feet
22 AWG	200 feet
24 AWG	120 feet

ILLUSTRATED POWER SOLUTIONS
INTELLIGENT LIGHTING CONTROLS, INC.
www.illc-usa.com 1-800-922-8004

PD0614 REV D

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11

Exton IP65 Trac System - Exclusive Powerspan Cable Installation Instructions

POWER SUPPLY INSTALLATION

415-504-3536

a

Exterior Power Supply with Direct Hookup

Powerspan Cable

Tegan Power Supply

Line Voltage Wire by others (as per code).

Interior Power Supply with Remote Powerfeed

Optional Dimming - Controls

Powerspan Cable

Dimming Module

24VDC Driver

Tegan Power Supply Enclosure

0-10V

120V

Tegan's IP24 or IP66 Power Supply may be mounted on outside of building, tree, or pole, with Exton Powerspan Cable directly running into it with waterproof fitting (by others).

Line Voltage (green) enters through building, or through external conduit, or through underground feeder cable, by others. The Power Supply outputs 24VDC (red). Each EX5 module draws 7W, or .3A.

Keep distance from Power Supply to last fixture less than 150'. Exceeding this distance can result in malfunctioning (dark or flickering) Exton modules.

Tegan's IP20 Interior Power Supply is connected to the Remote Power Feed. Line Voltage (green) supplies the Power Supply with standard internal wiring (typical 10 AWG) by others.

Keep distance from Power Supply to last fixture less than 150', including any internal building wire.

Optional 0-10V dimming is accomplished with separate wires between the Dimmer Switch and the Dimming Module.

TRIAC or ELV dimming is not possible at this time.

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12

Exton IP65 Trac System - Exclusive Powerspan Cable Installation Instructions

POWER SUPPLY INSTALLATION

415-504-3536

a

Tegan's IP24 or IP66 Power Supply may be mounted on outside of building, tree, or pole, with Exton Powerspan Cable directly running into it with waterproof fitting (by others). Line Voltage (green) enters through building, or through external conduit, or through underground flexible cable, by others. The Power Supply outputs 24VDC (red). Each EX5 module draws 7W, or .3A.

Keep distance from Power Supply to last fixture less than 150'. Exceeding this distance can result in malfunctioning (dark or flickering) Exton modules.

Interior Power Supply with Remote Powerfeed

Tegan's IP20 Interior Power Supply is connected to the Remote Power Feed. Line Voltage (green) supplies the Power Supply with standard internal wiring (typical 10 AWG) by others.

Keep distance from Power Supply to last fixture less than 150', including any internal building wire.

Optional Dimming - Controls

Optional 0-10V dimming is accomplished with separate wires between the Dimmer Switch and the Dimming Module.

TRIAC or ELV dimming is not possible at this time.

Tegan
LIGHTING

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415-504-3536

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ABBREVIATIONS				QTY	QUANTITY
APROX	APPROXIMATE	GA	GAUGE		
ARCH	ARCHITECT	GAL	GALLON		
AVG	AVERAGE	GALV	GALVANIZED	R	RADIUS
B&B	BALLED AND BURLAPPED	GB	GRADE BREAK	RE	REFERENCE
BLDG	BUILDING	GC	GENERAL CONTRACTOR	REIN	REINFORCE(D), (ING)
BM	BENCHMARK	GPM	GALLON PER MINUTE	REQD	REQUIRED
BOC	BACK OF CURB			REV	REVISION(S), REVISED
BOV	BLOW OFF VALVE	HORIZ	HORIZONTAL	RM	RM ELEVATION
BR	BOTTOM OF RAMP	HP	HIGH POINT	ROW	RIGHT-OF-WAY
BS	BOTTOM OF STEP	HT	HEIGHT	RP	RADIUS POINT
BW	BOTTOM OF WALL	ID	INSIDE DIAMETER	SAN	SANITARY
		INV	INVERT ELEVATION	SCH	SCHEDULE
CAL	CAULPER	IN	INCHES	SD	STORM DRAIN
CF	CUBIC FEET	INCL	INCLUDE(D)	SEC	SECTION
CP	CAST-IN-PLACE	IRR	IRRIGATION	SF	SQUARE FOOT (FEET)
CJ	CONTROL JOINT			SHT	SHEET
CL	CENTERLINE	JT	JOINT(S)	SIM	SIMILAR
CLR	CLEARANCE			SPECS	SPECIFICATIONS
C/O	CLEANOUT	LIN	LINEAR	SQ	SQUARE
COMP	COMPACTED	LP	LOW POINT	STA	STATION
CONC	CONCRETE	LT	LIGHT	STD	STANDARD
CONT	CONTINUOUS			STL	STEEL
CONTR	CONTRACTOR	MATL	MATERIAL	STRUCT	STRUCTURAL
CUB	CUBIC	MAX	MAXIMUM	SYM	SYMMETRICAL
		MECH	MECHANICAL		
DBL	DOUBLE	MH	MANHOLE	TBC	TOP OF BACK OF CURB
DEG	DEGREE	MIN	MINIMUM	TC	TOP OF CURB
DEMO	DEMOLISH, DEMOLITION	MISC	MISCELLANEOUS	THK	THICK
DA	DIAMETER			T/LF	TOP OF LIGHT FOOTING
DM	DIMENSION	NIC	NOT IN CONTRACT	TO	TOP OF
DN	DOWN	NOM	NOMINAL	TOPO	TOPOGRAPHY
DWL	DETAIL	NTS	NOT TO SCALE	TR	TOP OF RAMP
DWG	DRAWING			TRANS	TRANSFORMER
EA	EACH	OC	ON CENTER(S)	TS	TOP OF STEP
EF	EACH FACE	OD	OUTSIDE DIAMETER	TW	TOP OF WALL
EJ	EXPANSION JOINT	OPP	OPPOSITE	TY	TYPICAL
ELEV	ELEVATION	PA	PLANTING AREA	UNFIN	UNFINISHED
ELECT	ELECTRICAL	PC	POINT OF CURVATURE		
ENG	ENGINEER	PERF	PERFORATE(D)	VAR	VARIES
EOP	CURB LIP	PED	PEDESTRIAN	VERT	VERTICAL
EQ	EQUAL	PERM	PERIMETER	VEH	VEHICLE
EST	ESTIMATE	PI	POINT OF INTERSECTION	VOL	VOLUME
EW	EACH WAY	PL	PROPERTY LINE		
EXIST	EXISTING	POB	POINT OF BEGINNING	W/	WITH
		PSF	POUNDS PER SQUARE FOOT	W/O	WITHOUT
FG	FINISHED GRADE	PSI	POUNDS PER SQUARE INCH	WT	WEIGHT
FIN	FINISH	PT	POINT, POINT OF TANGENCY	WWF	WELDED WIRE FABRIC
FL	FLOW LINE	PVC	POLYVINYL CHLORIDE		
FOB	FACE OF BUILDING	PWMT	PAVEMENT	YD	YARD
FOR	FACE OF WALL	PVR	PAVER(S)		
FS	FINISH SURFACE				
FT	FOOT (FEET)				
FTG	FOOTING				

STORMWATER MANAGEMENT PLAN (SWMP)

- A. PREPARATION OF STORMWATER MANAGEMENT PLANS, PERMITTING AND COMPLIANCE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISCHARGES ARE SUBJECT TO THE PROVISIONS OF THE COLORADO WATER QUALITY CONTROL ACT AND THE COLORADO DISCHARGE PERMIT REGULATIONS. PROHIBITED DISCHARGES INCLUDE SUBSTANCES SUCH AS: WASH WATER, PAINT, AUTOMOTIVE FLUIDS, SOLVENTS, OILS OR SOAPS.
- B. STORMWATER MANAGEMENT AND EROSION CONTROL FOR THIS PROJECT WILL BE ACCOMPLISHED BY CONTROLLING THE TIMING OF CONSTRUCTION ACTIVITIES AND PROVIDING PERMANENT EROSION CONTROL BMPs.
- C. THE CONTRACTOR WILL APPLY FOR AND HOLD ANY NECESSARY PERMITS.

SITE DESCRIPTION

- A. PROJECT SITE DESCRIPTION: THIS PROJECT CONSISTS OF THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- B. PROPOSED SEQUENCING FOR MAJOR ACTIVITIES: REMOVAL OF NECESSARY SURFACE FEATURES AND GRADING FOLLOWED BY THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- C. ACRES OF DISTURBANCE:
1. TOTAL AREA OF CONSTRUCTION SITE: 0.08 ACRES
2. TOTAL AREA OF DISTURBANCE: 0.08 ACRES
3. ACREAGE OF SEEDING: 0.00 ACRES
4. ACREAGE OF SOD: 0.00 ACRES
5. EXISTING SOIL DATA: SEE THE PROJECT SOILS INVESTIGATION REPORT PREPARED BY H-P KUMAR DATED FEBRUARY 2, 2017.
- E. EXISTING VEGETATION, INCLUDING PERCENT COVER: 0%.
- F. POTENTIAL POLLUTANTS SOURCES: FUEL, MOTOR OIL, LUBE, SILT AND SOILS FROM DISTURBED AREAS AND SPOIL PILES, ANTI-FREEZE, AND CONCRETE APPLICATIONS.
- G. RECEIVING WATER:
1. UTILITY LOCATIONS: STORM DRAINS
2. NAMES OF RECEIVING WATERS: ON THE SOUTH RIVER IS THE ULTIMATE RECEIVING WATER. NO RECEIVING WATERS ON PROJECT SITE, HOWEVER, THE COLORADO RIVER IS THE ULTIMATE RECEIVING WATER IS THE COLORADO RIVER.
3. DISTANCE TO ULTIMATE RECEIVING WATER FROM THE PROJECT: 0.04 MILES TO THE NORTH.
4. DOES THE RECEIVING WATER HAVE AN APPROVED TMDL: NONE
- H. ALLOWABLE NON-STORMWATER DISCHARGES: THERE ARE NO NON-STORMWATER DISCHARGES ANTICIPATED WITH THIS PROJECT.
- I. ENVIRONMENTAL IMPACTS: THERE HAVE BEEN NO WETLANDS DELINEATED, NO STREAMS HAVE BEEN IDENTIFIED ON THE PROJECT SITE, NO THREATENED OR ENDANGERED SPECIES HAVE BEEN IDENTIFIED ON THE PROJECT SITE.

SITE MAP

- A. THE CONTRACTOR MAY NOT UTILIZE THESE PLANS AS A BASE MAP TO PREPARE THE SWMP SITE MAP.
- B. SITE MAP COMPONENTS TO INCLUDE:
1. CONSTRUCTION SITE BOUNDARIES
2. ALL AREAS OF GROUND SURFACE DISTURBANCE
3. AREAS OF CUT AND FILL
4. LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP
5. LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP
6. SPRINGS, STREAMS, WETLANDS, AND OTHER SURFACE WATERS
7. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION.
- C. SWMP ADMINISTRATOR:
- NAME: TBD
- BUSINESS PHONE: _____
- CELL PHONE: _____
- PHYSICAL ADDRESS: _____
- D. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES:
1. THE CONTRACTOR SHALL PERFORM THE FOLLOWING:
- 1.1. DESIGNATE A SWMP ADMINISTRATOR/EROSION CONTROL ADMINISTRATOR.
- 1.2. POTENTIAL POLLUTANT SOURCES: EVALUATE, IDENTIFY AND DESCRIBE ALL POTENTIAL SOURCES OF POLLUTANTS AT THE SITE IN ACCORDANCE WITH SUBSECTION 107.25 AND PLACE IN THE SWMP NOTEBOOK. ALL BMPs RELATED TO POTENTIAL POLLUTANTS SHALL BE SHOWN ON THE SWMP MAP BY THE SWMP ADMINISTRATOR.
- 1.3. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION - PHASED BMP IMPLEMENTATION
- 1.3.1. EROSION CONTROL DEVICES ARE USED TO LIMIT THE AMOUNT OF EROSION ON SITE
- 1.3.2. SEDIMENT CONTROL DEVICES ARE DESIGNED TO CAPTURE SEDIMENT ON THE PROJECT SITE
- 1.3.3. CONSTRUCTION CONTROL: BMPs RELATED TO CONSTRUCTION ACCESS AND STAGING
- 1.3.4. BMP LOCATIONS ARE INDICATED ON THE SITE MAP
- 1.3.5. BMP INSTALLATION DETAILS AND GENERAL NARRATIVES ARE IN THE SWMP NOTEBOOK
- 1.4. OFFSITE DRAINAGE (RUN ON WATER):
- 1.4.1. OFFSITE DRAINAGE WILL CONTINUE IN THE MANNER EXISTING TO THE SITE. STORMWATER CURRENTLY IS DIRECTED VIA STORM DRAINS. BMPs TO BE USED WILL CONSIST OF ROCK CHECK DAMS AND SEDIMENT FILTERS BENEATH THE EXISTING INLET GRATES.
- E. STABILIZED CONSTRUCTION ENTRANCES/VEHICLE TRACKING CONTROL
- E.1. THERE WILL NOT BE A TRACKING PAD ASSOCIATED WITH THIS PROJECT. HOWEVER, THE CONTRACTOR WILL ENSURE THAT THE ROADWAY IS SWEEPED AND SHOVELED IMMEDIATELY AFTER VEHICLES LEAVE THE SITE. ALL MATERIAL SHOVELED OFF THE ROADWAY WILL BE DISPOSED OF OFFSITE AND SHALL NOT BE USED IN THE STRUCTURAL SECTION OF THE NEW ASPHALT OR IN THE FILL AREAS.
- F. PERIMETER CONTROL
- F.1. PERIMETER CONTROL SHALL BE ESTABLISHED AS THE FIRST ITEM ON THE SWMP TO PREVENT THE POTENTIAL FOR POLLUTANTS LEAVING THE CONSTRUCTION SITE BOUNDARIES, ENTERING THE STORMWATER DRAINAGE SYSTEM, OR DISCHARGING TO STATE WATERS.
- F.2. PERIMETER CONTROL MAY CONSIST OF BMPs AS APPROVED.
- F.3. PERIMETER CONTROL SHALL BE MAINTAINED AT TIMES DURING CONSTRUCTION

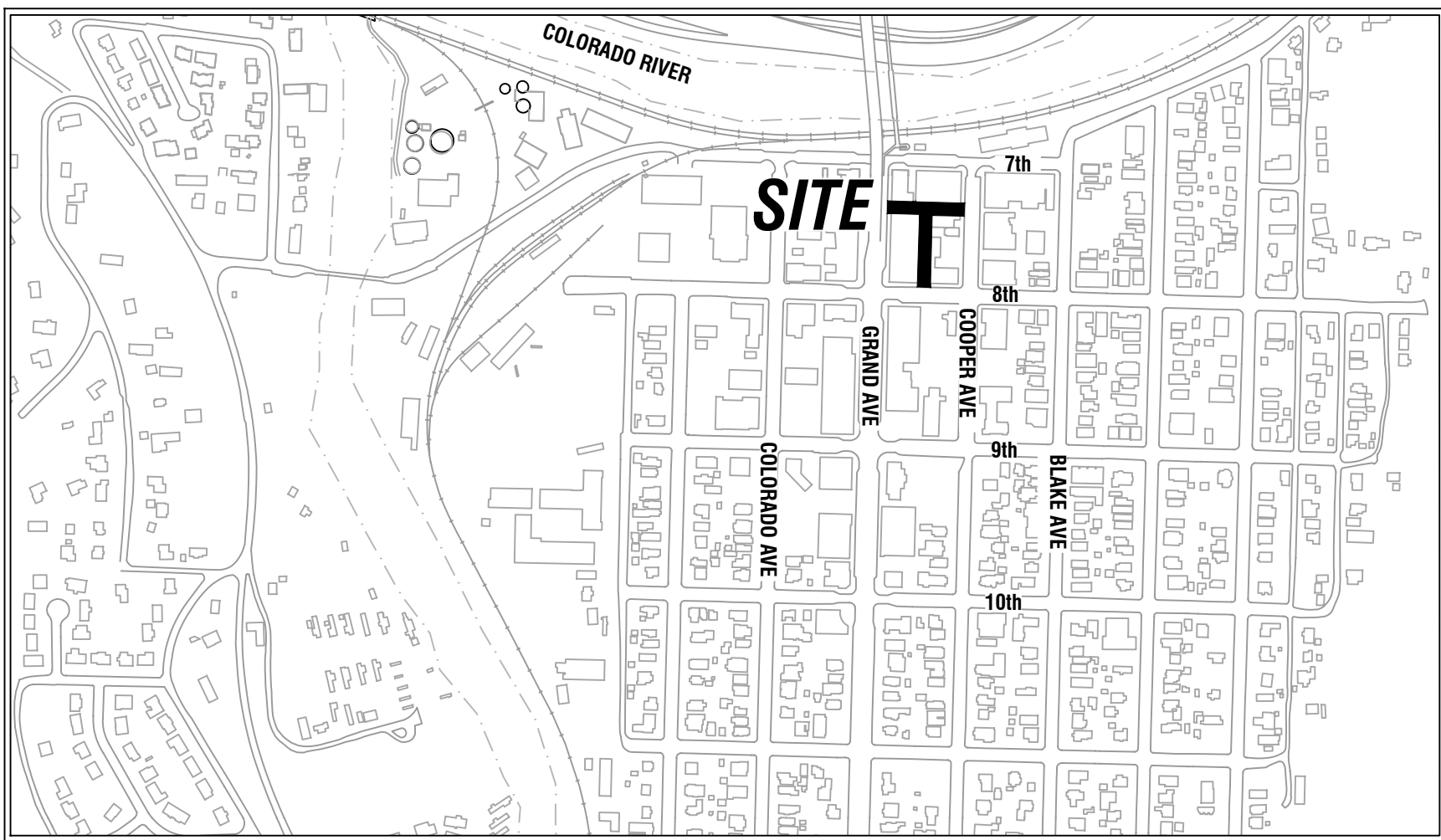
Stormwater Management Notes

Scale: N.T.S.

Sheet No.	Index of Sheets
C.1	Cover Sheet
C.2	Demolition Plan
C.3	Storm Drain Plan
C.4	Storm Drain Plan
C.5	Utility Plan
C.6	Site Plan
C.7	Grading Plan - EW Corridor Sta. 0+00 to 1+50
C.8	Grading Plan - EW Corridor Sta. 1+50 to 2+60
C.9	Grading Plan - NS Corridor Cooper Ave.
C.10	Grading Plan - NS Corridor Sta. 0+00 to 1+50
C.11	Grading Plan - NS Corridor Sta. 1+50 to End
IES1-0	Illumination Plan - Overall
IES1-2	Illumination Plan - Block 44
ES1-0	Site Lighting - Overall
ES1-2	Site Lighting - Block 44
ES1-4	Site Lighting - Details

95% DESIGN PLAN DOCUMENTS FOR THE

ALLEY BLOCK 44
GLENWOOD SPRINGS, COLORADO



SITE OVERVIEW

Scale: 1"=400'

PROJECT NOTES (IN ADDITION TO CDOT STANDARDS AND REQUIREMENTS):

1. THE WARRANTY PERIOD SHALL BE TWO (2) YEARS FROM THE DATE OF ACCEPTANCE.
2. CONSTRUCTION WORK, ANY NOISE CREATED BY OPERATING OR CAUSING TO BE OPERATED ANY EQUIPMENT (MECHANICAL OR NON-MECHANICAL, SELF-PROPELLED OR MANUALLY MANIPULATED) USED IN CONSTRUCTION, REPAIR, ALTERATION OR DEMOLITION WORK ON BUILDINGS, STRUCTURES, STREETS, ALLEYS OR APPURTENANCES AT ANY TIME OTHER THAN BETWEEN THE HOURS OF 7:00 A.M. AND 8:00 P.M. ON MONDAY THROUGH FRIDAY, AND 8:00 A.M. AND 6:00 P.M. ON SATURDAY AND SUNDAY. THE CITY MANAGER IS HEREBY AUTHORIZED TO ISSUE A CONSTRUCTION WORK NOISE PERMIT ALLOWING CONSTRUCTION WORK NOISE TO OCCUR AT A TIME OTHER THAN THE TIME SET FORTH HEREIN BASED ON CIRCUMSTANCES WHICH NECESSITATE SUCH CONSTRUCTION WORK. IN THE EVENT THE CITY MANAGER ISSUES SUCH A PERMIT, THE CITY COUNCIL SHALL BE ADVISED OF SUCH ISSUANCE AT THE NEXT REGULAR CITY COUNCIL MEETING.
3. IN ORDER OF PRECEDENCE, ALL CONSTRUCTION SHALL MEET OR EXCEED THE PROJECT PLANS AND TECHNICAL SPECIFICATIONS, STANDARDS ESTABLISHED IN THE LATEST EDITIONS OF THE CITY PUBLIC WORKS MANUAL AND/OR ENGINEERING STANDARDS, AND CDOT SPECIFICATIONS, AS REFERENCED HEREIN.
4. ALL CONSTRUCTION SHALL BE SUBJECT TO OBSERVATION BY THE CITY AND THE PROJECT ENGINEER. BOUNDARIES UNLIMITED INC. IS THE ENGINEER OF RECORD FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF OBSERVATIONS AND REVIEW BY THE CITY AND BOUNDARIES UNLIMITED INC. OF ALL PUBLIC IMPROVEMENT INSTALLATIONS, OBSERVATIONS AND REVIEW OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE OBSERVER OF THE COMPLETED WORK. ALL GUARANTEES OR WARRANTIES REMAIN WITH THE CONTRACTOR.
5. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES.
6. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO THE CITY. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. FOR ANY CONSTRUCTION ACTIVITY WITHIN THE ROAD RIGHT-OF-WAY, CONTRACTOR SHALL PROVIDE ALL WARNING LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION ZONE TRAFFIC CONTROL. A CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE CITY OF GLENWOOD SPRINGS AND THE ENGINEER OF RECORD AT LEAST 7 DAYS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE ROAD RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING AND HAULING SUPPLIED MATERIALS FROM THE CITY MATERIALS STORAGE YARD LOCATED NEAR THE AIRPORT (AKA: HONEYBURY).
10. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
11. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
12. THE CONTRACTOR SHALL VERIFY EXISTING PIPE OR MANHOLE INVERTS/DEPTHS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
13. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
14. 95% MODIFIED STANDARD PROCTOR IS REQUIRED FOR ALL SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNLESS NOTED OTHERWISE ON THE DETAILS.
15. THE CITY WILL PROVIDE THE CONTRACTOR WITH A TAX EXEMPT FORM FOR USE IN PURCHASING OF MATERIALS AND SUPPLIES.
16. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL NOTIFY THE CONTRACT ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
17. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL AFFECTED OR DAMAGED LANDSCAPING, INCLUDING IRRIGATION, WITH SIMILAR MATERIALS AND PLANTS. SOD SHALL BE USED TO REPLACE LAWN.
18. UPON COMPLETION OF THE PIPELINE INSTALLATION WORK, ALL RUBBISH, EXCESS MATERIALS, TEMPORARY STRUCTURES AND EQUIPMENT ARE TO BE REMOVED AND THE SITE CLEANED AND RESTORED TO THE SATISFACTION OF THE CITY AND CDOT. DISTURBED AREAS SHALL BE SEEDED OR OTHERWISE PROTECTED TO CONTROL EROSION AS SPECIFIED OR REQUIRED BY CDOT.
19. THE CONTRACTOR SHALL COMPLY WITH ALL AGREEMENTS BETWEEN THE CITY AND PRIVATE PROPERTY OWNERS.
20. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND HAVE IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
21. SAWCUT ALL ASPHALT AND CONCRETE TO BE REMOVED. ASPHALT LOCATED WITHIN THE GLENWOOD SPRINGS RIGHT-OF-WAY OR PRIVATE PROPERTIES SHALL BE REPLACED WITH 5" THICK ASPHALTIC PAVEMENT OVER 8" CLASS 6 AGGREGATE BASE COURSE. ALL CONCRETE SHALL BE REPLACED PER THE DETAILS, WHEN REPLACING CONCRETE, MATCH EDGES OF SAWCUT CONCRETE AND MAINTAIN INTEGRITY OF DRAINAGE PATTERNS.
22. A GRADING PERMIT AND A SIDEWALK/CURB/GUTTER PERMIT ARE NOT REQUIRED FOR THIS PROJECT.
23. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
24. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE WITH ALL ADJACENT BUSINESSES AND AMTRAK.

REQUIRED SHOP DRAWINGS:

- CONCRETE
- BRICK PAVERS
- ASPHALT MIX DESIGN
- FURNITURE
- AGGREGATES
- FLOWABLE FILL
- ALL UTILITY STRUCTURES, PIPE & FITTINGS
- CONDUITS
- ANY OTHERS INDICATED WITHIN THE PLANS OR AS REQUIRED BY THE CITY OR THE ENGINEER

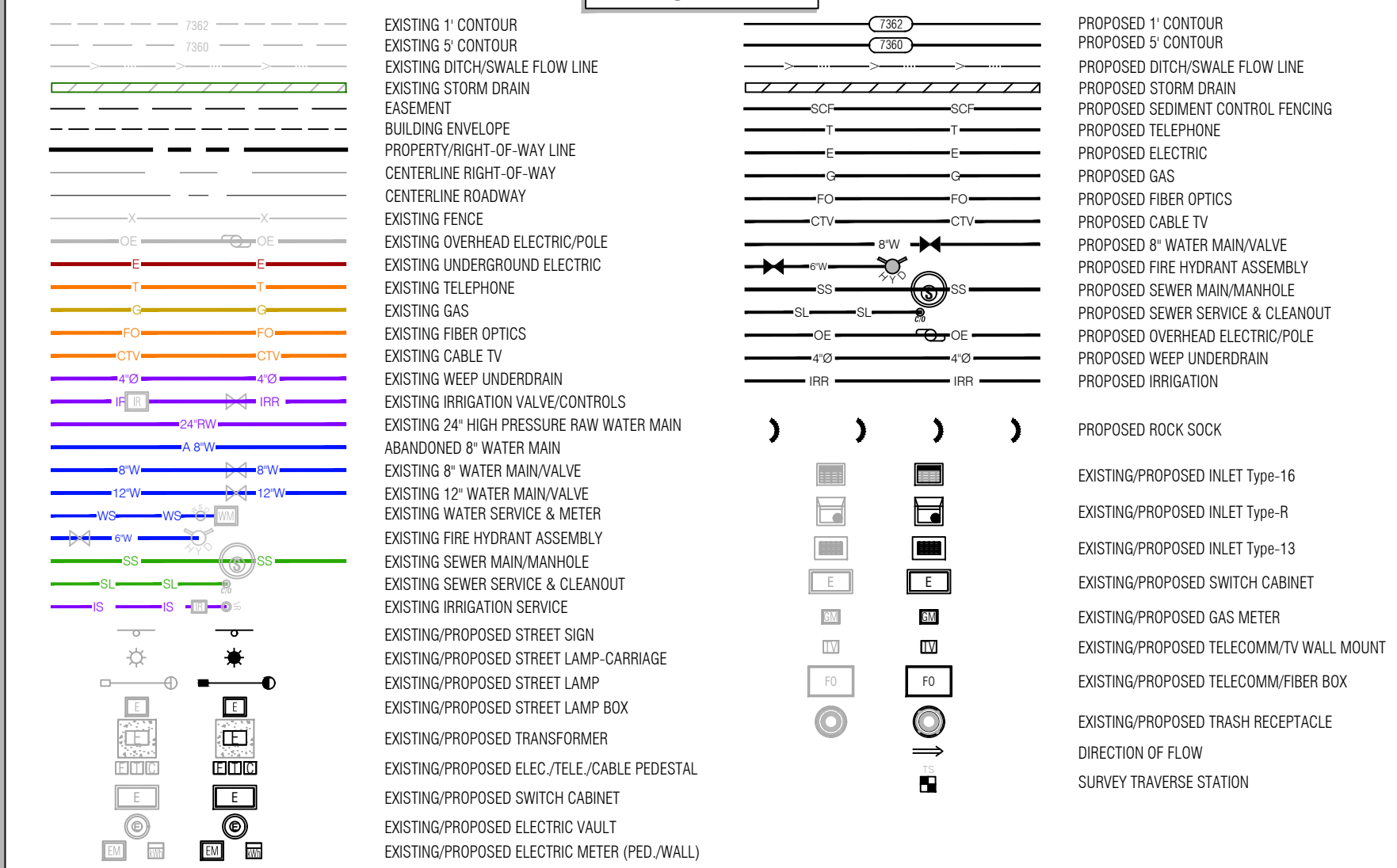
UTILITY PROVIDERS/OWNERS:

ELECTRIC:	DOUG HAZZARD	CITY ELECTRIC SYSTEM	970.384.6333
FIBER OPTICS:	ERIC ARNETTE	CITY BROADBAND	970.384.6416
WATER/SEWER:	BRADLEY ZACHMAN	CITY WVMW	970.384.6388
STORM/IRRIGATION:	TERRI PARTCH	CITY ENGINEERING	970.384.6435
STREETS:	JAKE VELASQUEZ	970.384.6379	
NATURAL GAS:	JASON COX	BLACK HILLS ENERGY	970.456.3117
CABLE:	MICHAEL JOHNSON	COMCAST	970.930.4713
TELEPHONE:	JASON SHARPE	CENTURYLINK	970.384.0238

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE CLASS 8 AND CONTAIN CDOT APPROVED FIBER MESH REINFORCEMENT AT 3.5 LBS PER CUBIC YARD.
2. CONCRETE SIDEWALK THICKNESS SHALL BE 4" MIN. AND INCREASED TO 6" MIN. AT RAMPS, DRIVEWAY CROSSINGS, OR AS INDICATED ON THE DETAILS. CONCRETE PAVEMENT THICKNESS IN ROADWAYS OR ALLEYS SHALL BE PER THE DETAILS. COLOR ADMIXTURES: COLOR SAMPLES SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR SELECTION PRIOR TO CONSTRUCTION.
3. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS OR THIOCYANATES ARE NOT PERMITTED.
4. CONCRETE SHALL BE CONSTRUCTED ON COMPACTED CLASS 6 AGGREGATE BASE COURSE (95% MODIFIED STANDARD PROCTOR) OVER COMPACTED SUBGRADE (95% MODIFIED STANDARD PROCTOR). CLASS 6 AGGREGATE BASE COURSE THICKNESS SHALL BE 6" MIN. UNDER CONCRETE.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED GRADE 40 FOR 4" AND SMALLER AND GRADE 60 FOR 4" AND LARGER. ALL REINFORCING STEEL IN SLABS AND WALLS SHALL BE HELD AT CORRECT DISTANCE FROM FORMS BY ADEQUATE CONCRETE BLOCKS, STEEL CHAIRS, OR TIES IN ACCORDANCE WITH LATEST ACI DETAILING PRACTICES.
6. DOWELS SHALL BE 12" EPOXY COATED #4 REBAR OR LARGER, CENTERED ON THE JOINT, AND GROUTED INTO PLACE.
7. USE 1/4" RADIUS ON ALL EDGES UNLESS NOTED OTHERWISE.
8. JOINT LAYOUTS ARE INTENDED TO BE USED AS A STARTING POINT FOR THE JOINT LAYOUT FOR THE PROJECT. THE CONTRACTOR SHALL REVIEW THE LAYOUT AND MAKE ADJUSTMENTS AS HE DEEMS NECESSARY TO IMPROVE THE LONGEVITY OF THE CONCRETE SURFACE AND STRUCTURE.
9. EXPANSION JOINTS SHALL BE INSTALLED EVERY 90 LF IN SIDEWALK AND/OR WHEN ABUTTING EXISTING CONCRETE OR A FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH THICK AND SHALL EXTEND THE FULL DEPTH OF THE CONTACT SURFACE AND SEALED OVER THE JOINT.
10. THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER.
11. CURE FOR 72 HOURS USING CURING COMPOUND, PLASTIC COVERING OR CONTROLLED MOISTURE.
12. CONTACT INFORMATION:
- 12.a. PROJECT MANAGER:
TERRI PARTCH
CITY OF GLENWOOD SPRINGS, ENGINEERING DEPT.
970.384.6438
- 12.a. QUALITY ASSURANCE - ENGINEER OF RECORD:
DERIC J. WALTER, PE
BOUNDARIES UNLIMITED INC.
970.945.5252
- 12.b. MATERIALS TESTING - TESTING AGENT:
T.B.D. BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEERING DEPARTMENT.

LEGEND



NOTES:

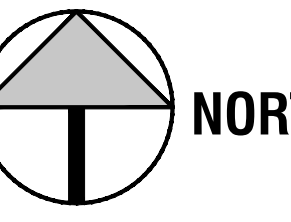
THIS PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

Subsurface Utility Engineering (SUE)
Required Project: Yes
If "Yes": SUE Certification by:
Firm: T.B.D.
Job #: T.B.D.
Date: T.B.D.

Engineer or Surveyor Seal



Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446



Scale: 1" = 400'



Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Cover Sheet
95% Design Plan Set (Not For Construction)

By	Date	Revision
		1
		2
		3
		4
		5
		6
		7
		8
		9

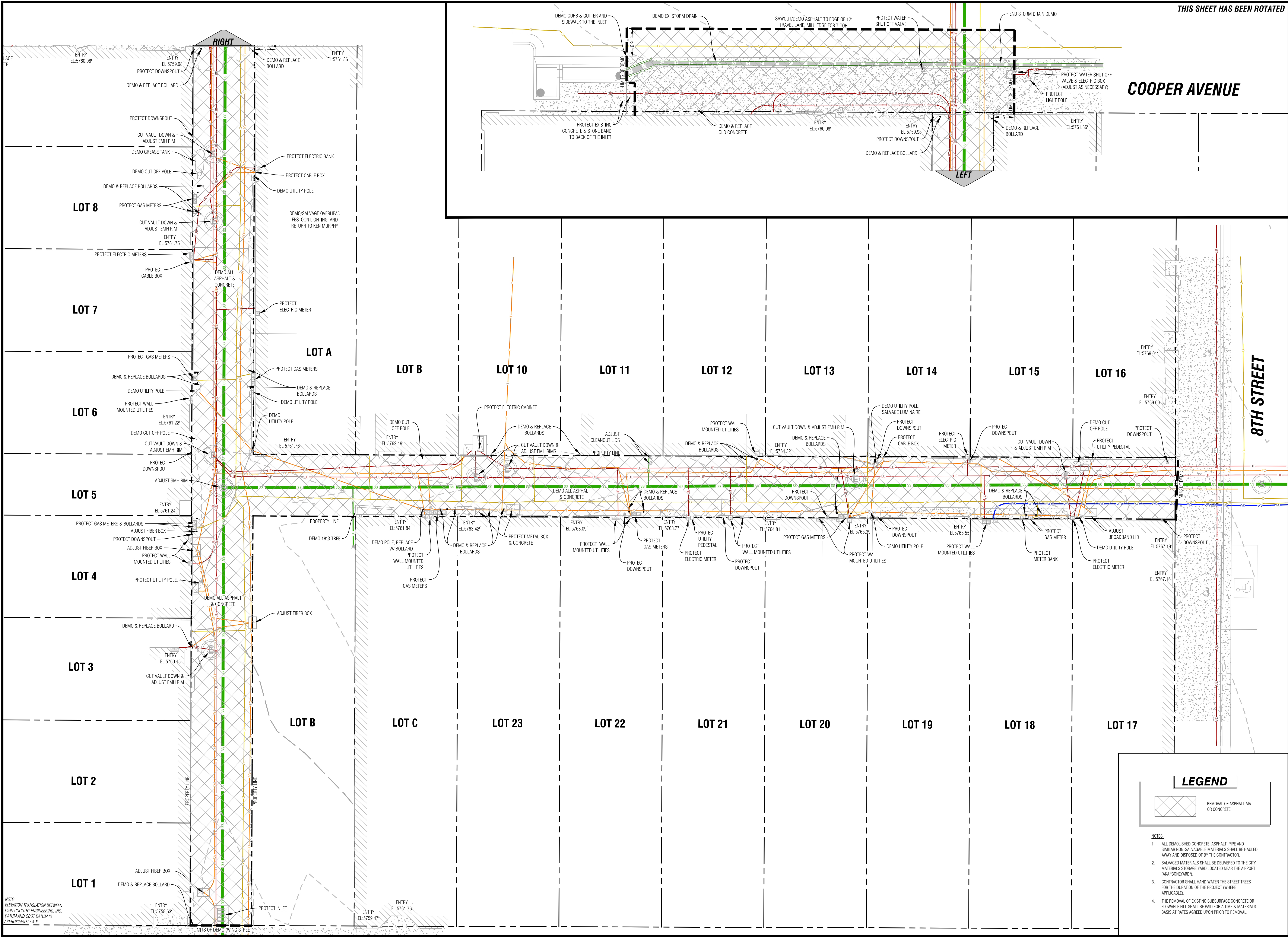
PROJECT NO. 17009
Designer: DJW
Checker: BUI
Date: 5/22/19

Sheet

C.1B

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Bonadies Civil Engineering Surveying & Beyond

Bonadies Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811
Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Existing Conditions & Demolition Plan
95% Design Plan Set (Not For Construction)

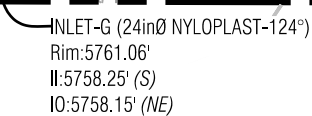
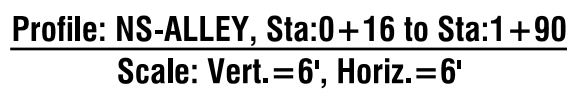
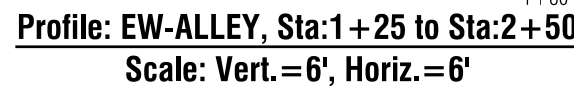
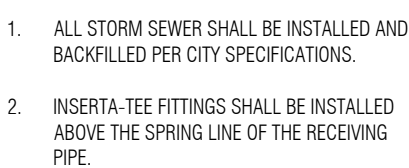
GLENWOOD SPRINGS, CO

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Date									

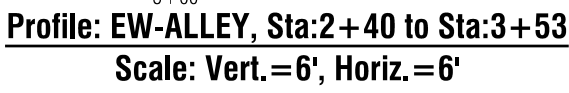
PROJECT NO. **17009**
Designer: **DJW**
Checker: **BUJ**
Date: **5/22/19**

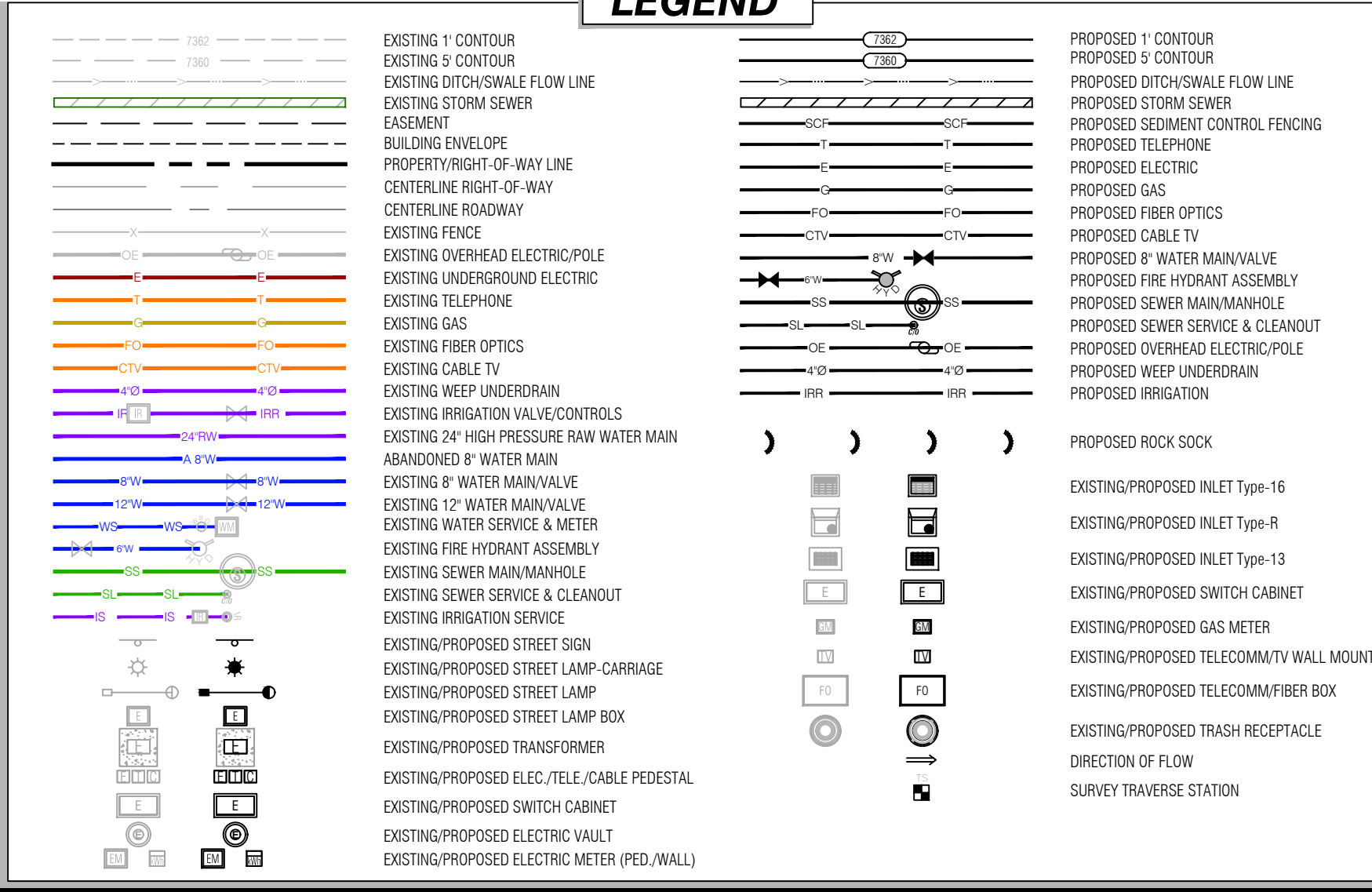
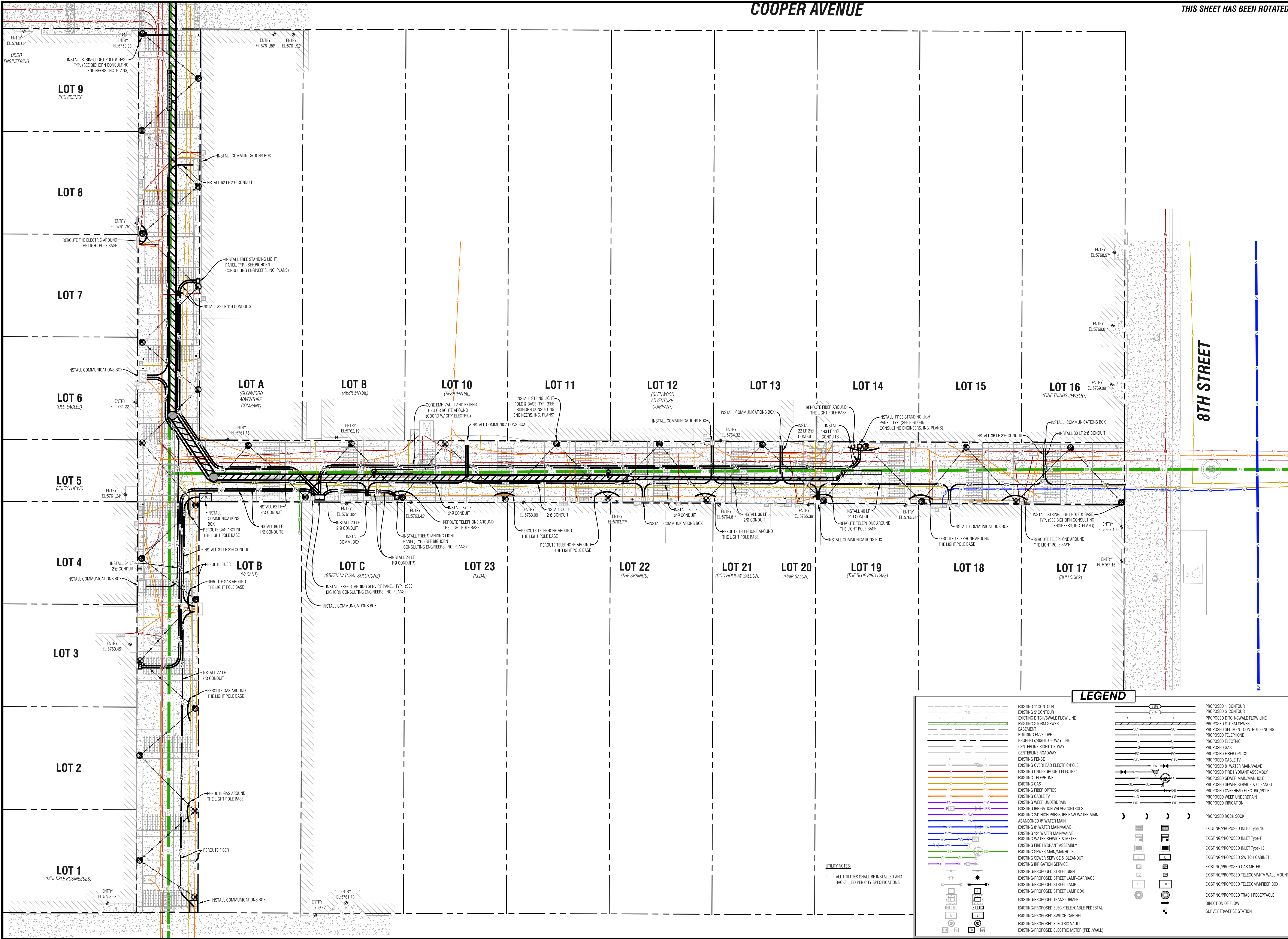
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File Name: 17009-c-topo-bk44.dwg



Civil Engineering





Boudaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION
Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811
Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Utility Plan
95% Design Plan Set (Not For Construction)

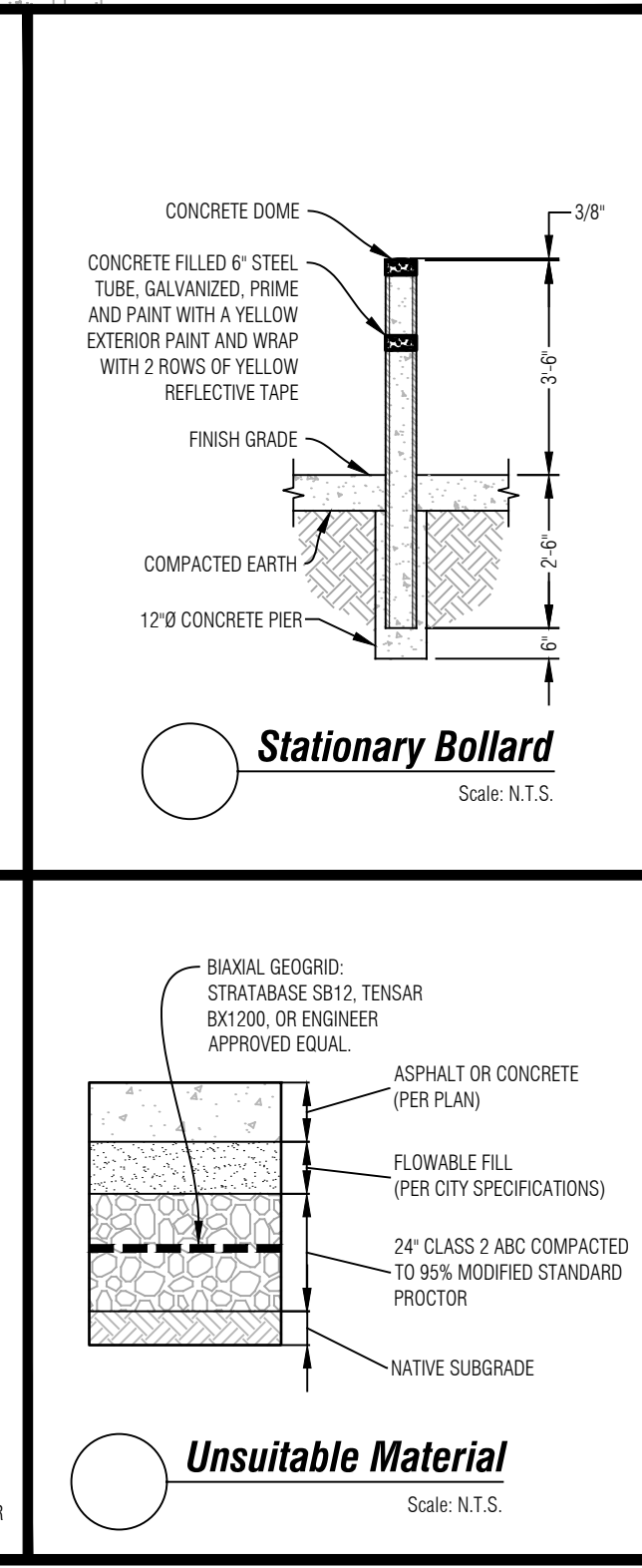
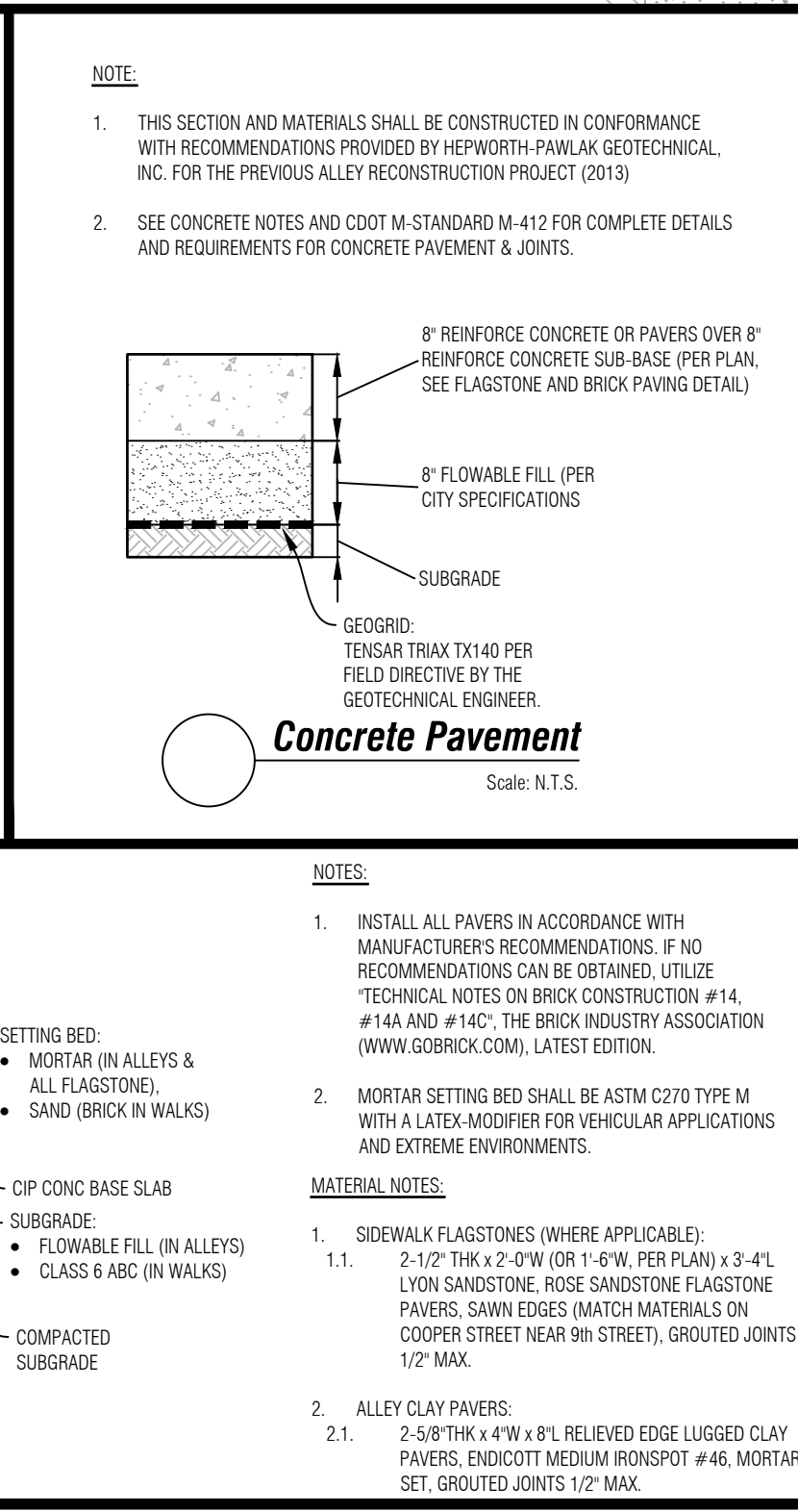
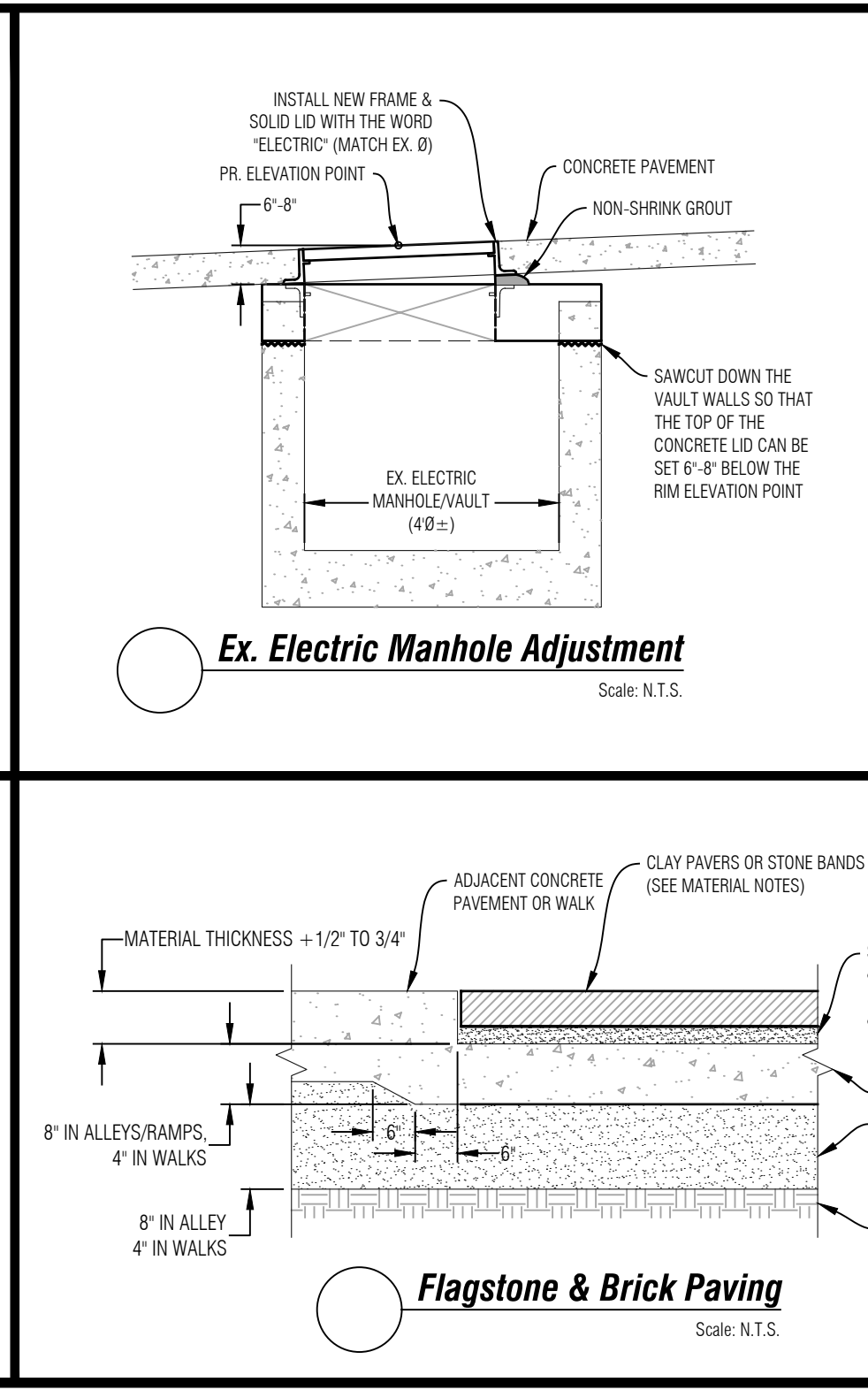
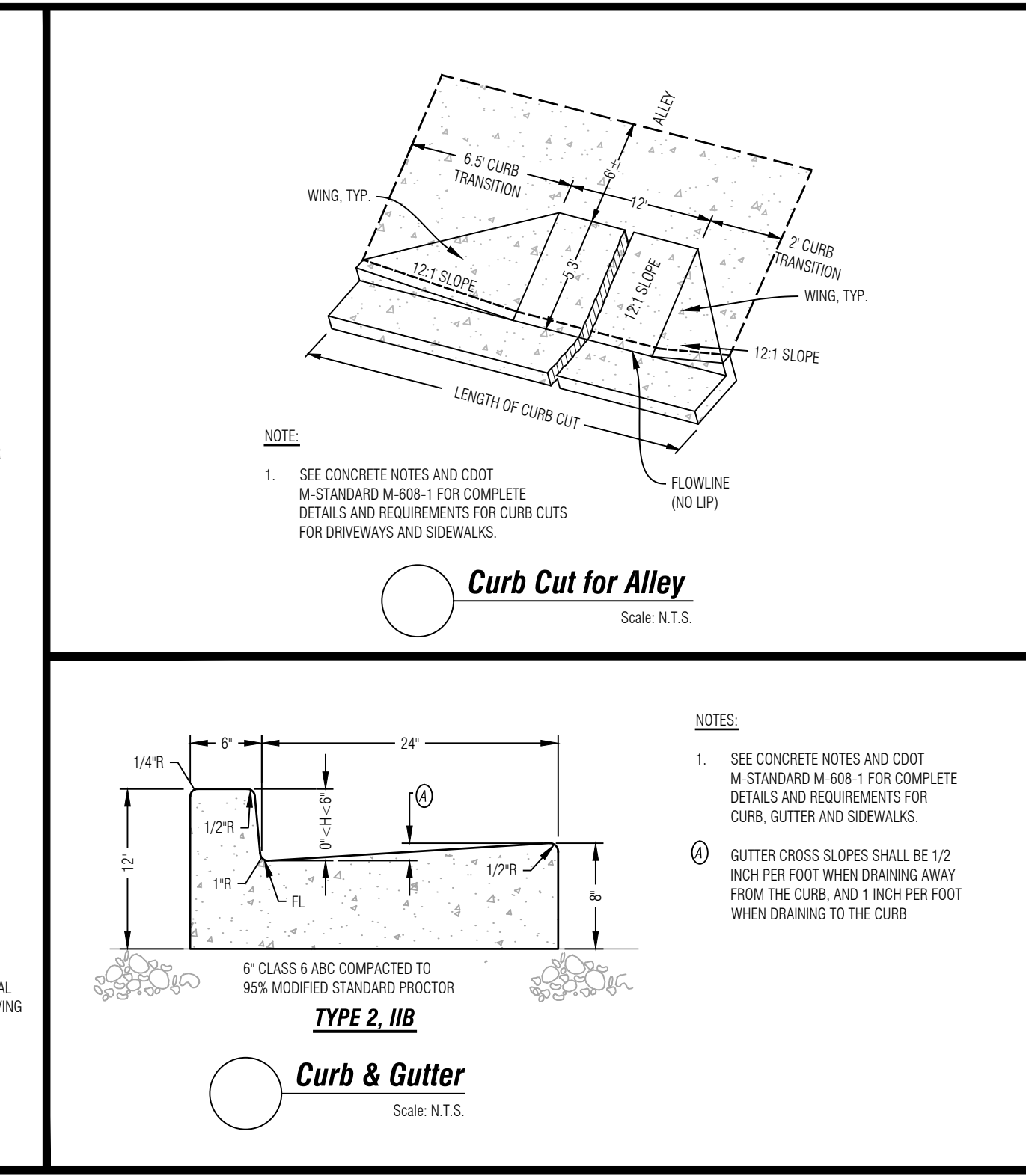
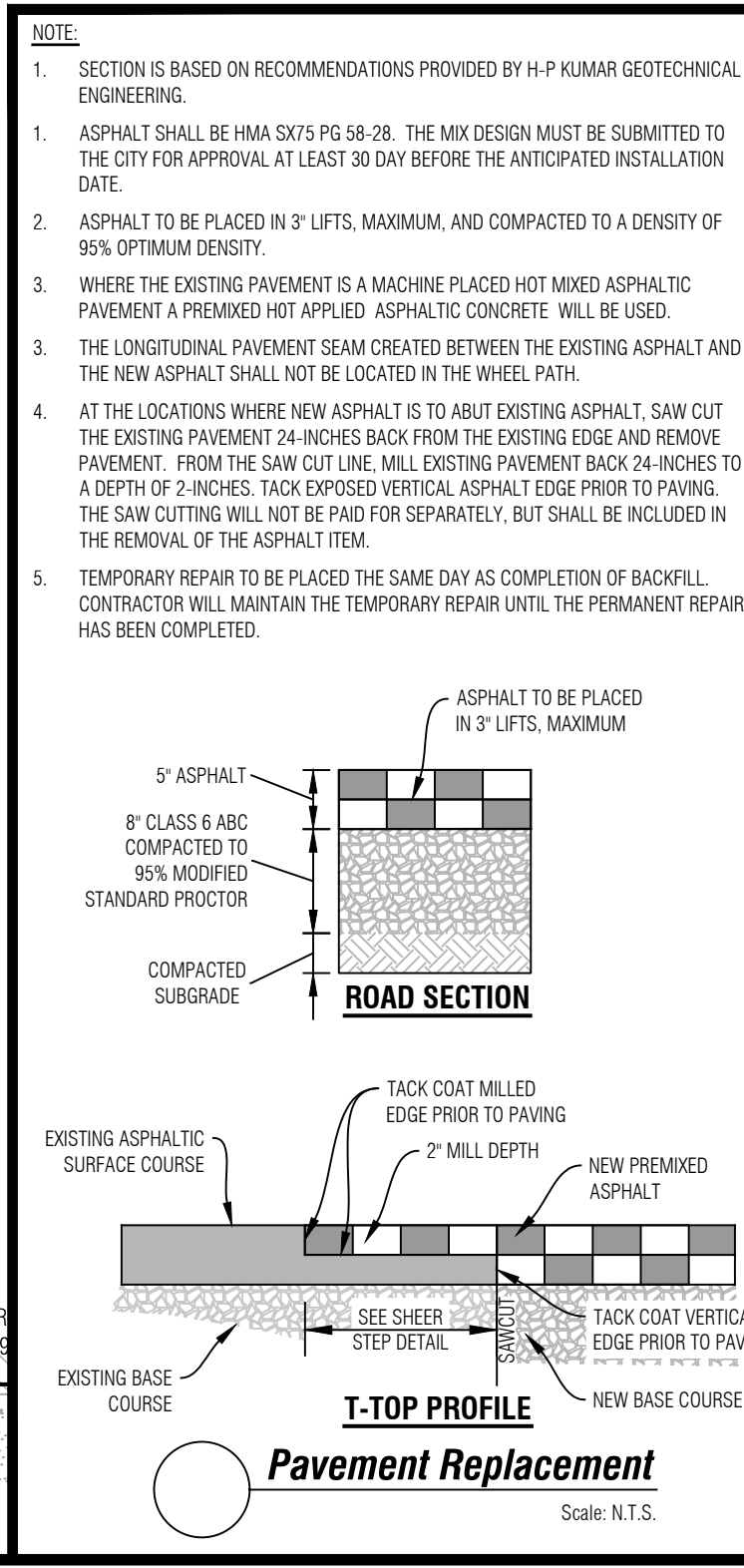
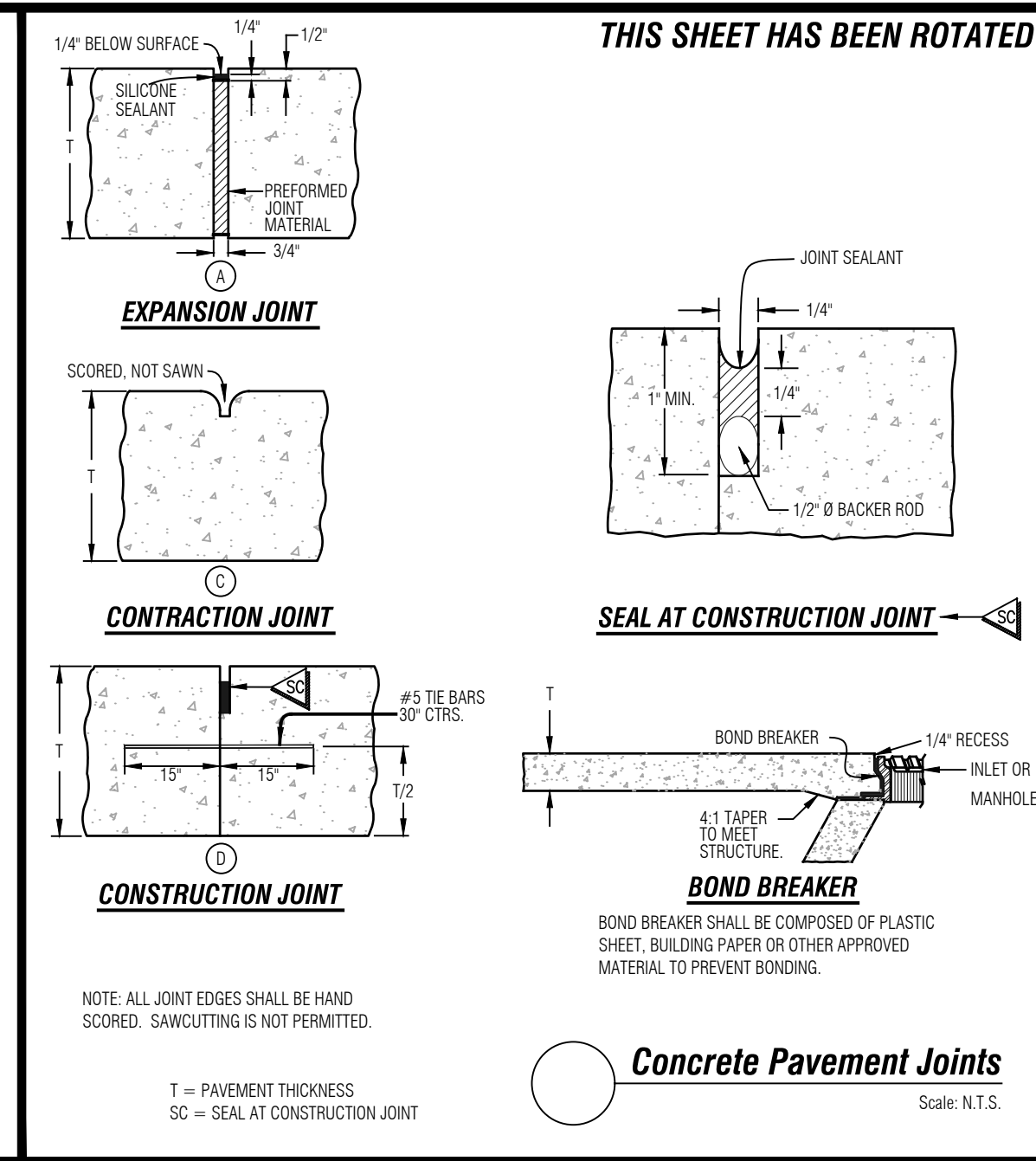
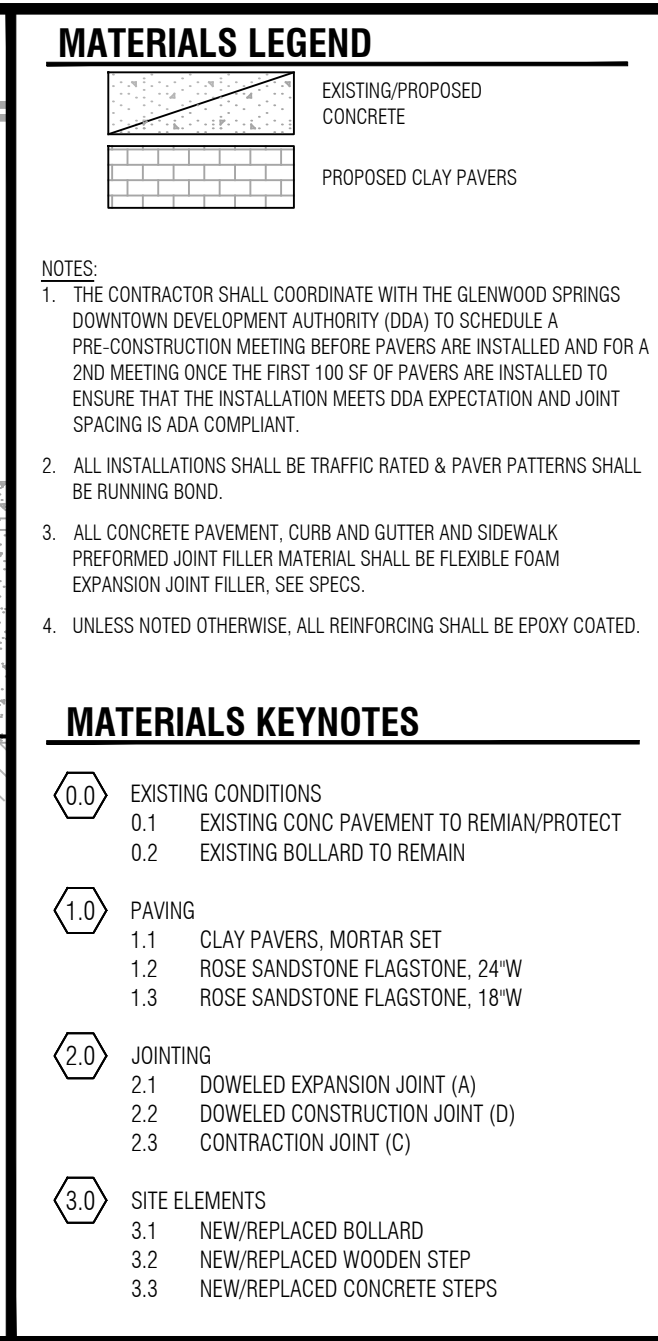
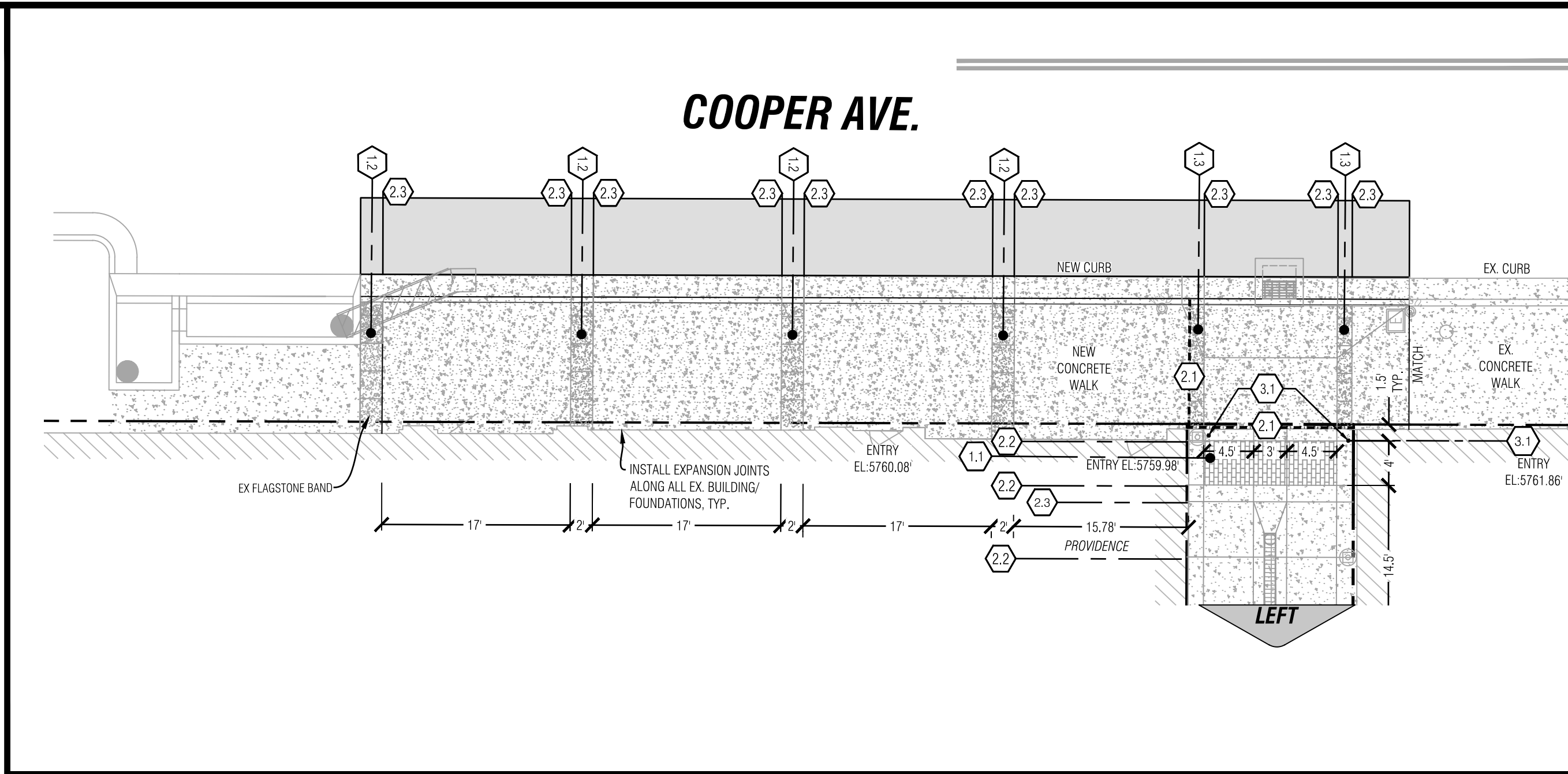
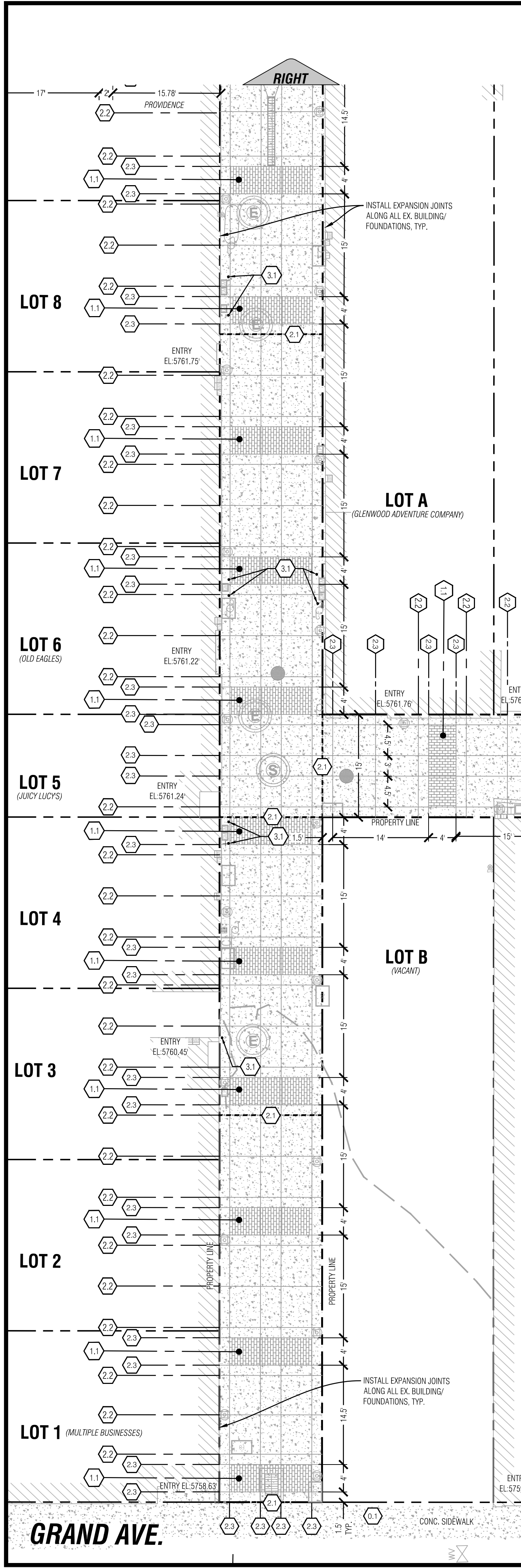
GLENWOOD SPRINGS, CO

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PROJECT NO.
17009
Designer:
DJW
Checker:
BU
Date:
6/22/19

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File Name: 17009-c-1topo-bk44.dwg



Bondaries Civil Engineering Surveying & Beyond

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes": SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811
Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Site Plan
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

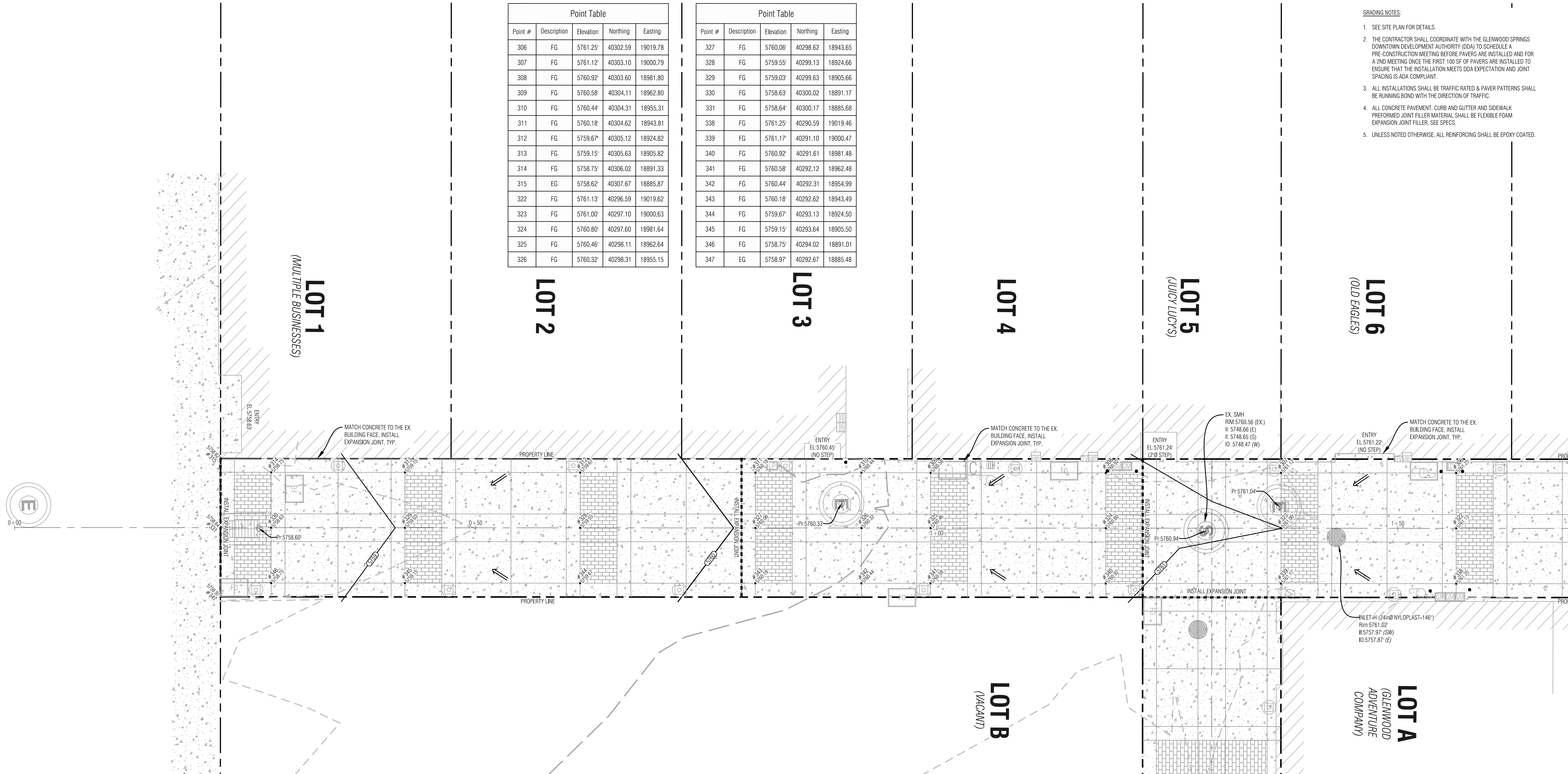
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PROJECT NO. **17009**
Designer: **BU**
Date: **5/28/19**

Sheet **C.6B**

File Name: **17009-c-topo-bk44.dwg**

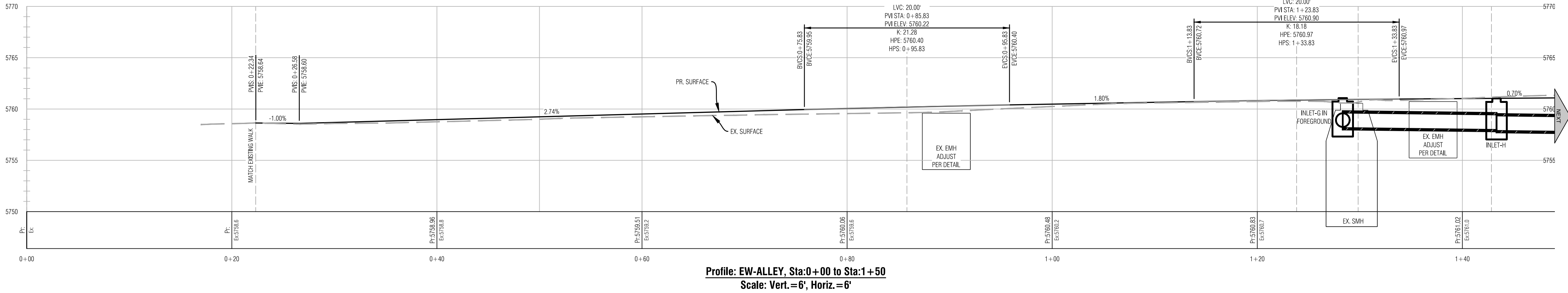
GRAND AVENUE
(100' R.O.W.)
ASPHALT ROADWAY



- GRADING NOTES:
1. SEE SITE PLAN FOR DETAILS.
 2. THE CONTRACTOR SHALL COORDINATE WITH THE GLENWOOD SPRINGS DOWNTOWN DEVELOPMENT AUTHORITY (DDA) TO SCHEDULE A PRE-CONSTRUCTION MEETING BEFORE PAVERS ARE INSTALLED AND FOR A 2ND MEETING ONCE THE FIRST 100 SF OF PAVERS ARE INSTALLED TO ENSURE THAT THE INSTALLATION MEETS DDA EXPECTATION AND JOINT SPACING IS ADA COMPLIANT.
 3. ALL INSTALLATIONS SHALL BE TRAFFIC RATED & PAVEMENT PATTERNS SHALL BE RUNNING BOND WITH THE DIRECTION OF TRAFFIC.
 4. ALL CONCRETE PAVEMENT, CURB AND GUTTER AND SIDEWALK PREFORMED JOINT FILLER MATERIAL SHALL BE FLEXIBLE FOAM EXPANSION JOINT FILLER, SEE SPECS.
 5. UNLESS NOTED OTHERWISE, ALL REINFORCING SHALL BE EPOXY COATED.

Point Table				
Point #	Description	Elevation	Northing	Easting
306	FG	5761.25	40302.59	19019.78
307	FG	5761.12	40303.10	19000.79
308	FG	5760.92	40303.60	18981.80
309	FG	5760.58	40304.11	18962.80
310	FG	5760.44	40304.31	18955.31
311	FG	5760.18	40304.62	18943.81
312	FG	5759.67	40305.12	18924.82
313	FG	5759.15	40305.63	18905.82
314	FG	5758.75	40306.02	18891.33
315	EG	5758.62	40307.67	18885.87
322	FG	5761.13	40296.59	19019.62
323	FG	5761.00	40297.10	19000.63
324	FG	5760.80	40297.60	18981.64
325	FG	5760.46	40298.11	18962.64
326	FG	5760.32	40298.31	18955.15

Point Table				
Point #	Description	Elevation	Northing	Easting
327	FG	5760.06	40298.62	18943.65
328	FG	5759.55	40299.13	18924.66
329	FG	5759.03	40299.63	18905.66
330	FG	5758.63	40300.02	18891.17
331	FG	5758.64	40300.17	18885.68
338	FG	5761.25	40290.59	19019.46
339	FG	5761.17	40291.10	19000.47
340	FG	5760.92	40291.61	18981.48
341	FG	5760.58	40292.12	18962.48
342	FG	5760.44	40292.31	18954.99
343	FG	5760.18	40292.62	18943.49
344	FG	5759.67	40293.13	18924.50
345	FG	5759.15	40293.64	18905.50
346	FG	5758.75	40294.02	18891.01
347	EG	5758.97	40292.67	18885.48



Profile: EW-ALLEY, Sta. 0+00 to Sta. 1+50
Scale: Vert. = 6', Horiz. = 6'

Boudaries Civil Engineering Surveying & Beyond Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes": SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811
Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Grading Plan - EW Corridor - Sta. 0+00 To 1+50
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

No.	Date	Revision	By
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PROJECT NO.
17009
Designer:
DJW
Checker:
BUJ
Date:
5/22/19

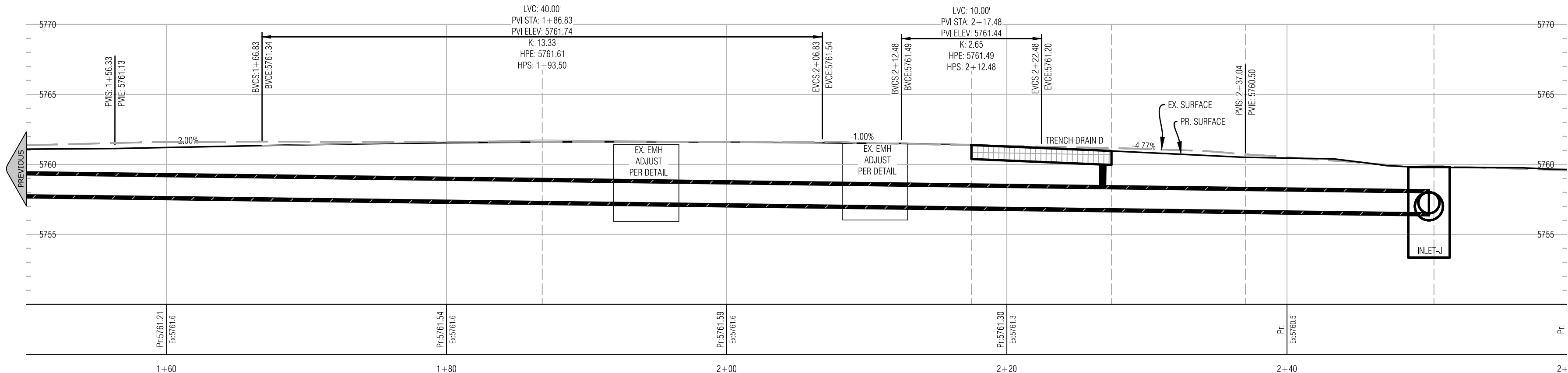
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File Name: 17009-c-topo-bk44.dwg



Point Table				
Point #	Description	Elevation	Northing	Easting
300	EG	5760.13	40300.42	19100.75
301	FG	5760.87	40300.57	19095.26
302	FG	5761.59	40301.06	19076.76
303	FG	5761.73	40301.57	19057.77
304	FG	5761.71	40301.77	19050.27
305	FG	5761.60	40302.08	19038.78
306	FG	5761.25	40302.59	19019.78
307	FG	5761.12	40303.10	19000.79
316	EG	5760.50	40294.44	19100.59
317	FG	5760.75	40294.57	19095.10
318	FG	5761.47	40295.07	19076.60
319	FG	5761.61	40295.57	19057.61
320	FG	5761.59	40295.77	19050.11

Point Table				
Point #	Description	Elevation	Northing	Easting
321	FG	5761.48	40296.08	19038.62
322	FG	5761.13	40296.59	19019.62
323	FG	5761.00	40297.10	19000.63
332	EG	5760.86	40288.43	19100.43
333	FG	5760.87	40288.57	19094.94
334	FG	5761.59	40289.07	19076.44
335	FG	5761.73	40289.58	19057.45
336	FG	5761.71	40289.78	19049.95
337	FG	5761.60	40290.08	19038.46
338	FG	5761.25	40290.59	19019.46
339	FG	5761.17	40291.10	19000.47



Profile: EW-ALLEY, Sta:1+50 to Sta:2+60
Scale: Vert. = 6', Horiz. = 6'

Civil Engineering
Surveying
& Beyond

Boundaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes": SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

NORTH

0 6 12
Scale: 1" = 6'

811

Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project

Grading Plan - EW Corridor - Sta. 1+50 To 2+60

95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

No.	Date	Revision	By
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PROJECT NO.
17009

Designer:
DJW

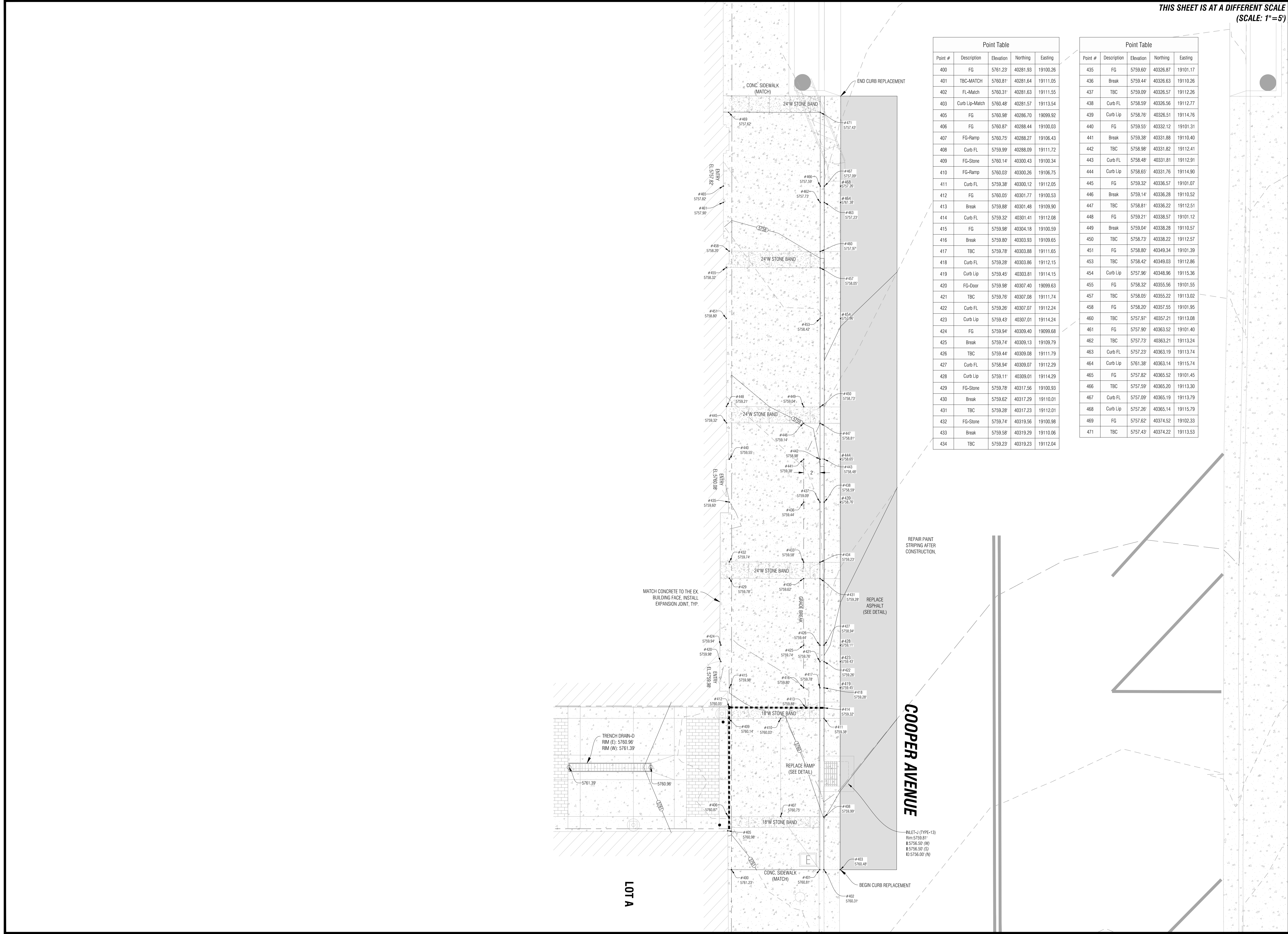
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BU

Date:
5/22/19

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File Name: 17009-c-topo-blk44.dwg

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Civil Engineering
Surveying
& Beyond

Bondaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

NORTH

0 5 10
Scale: 1" = 5'

811

Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project

Grading Plan - Cooper Ave

95% Design Plan Set (Not For Construction)

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By

Revision

Date

PROJECT NO.
17009

Designer:
DJW

Checker:
BU

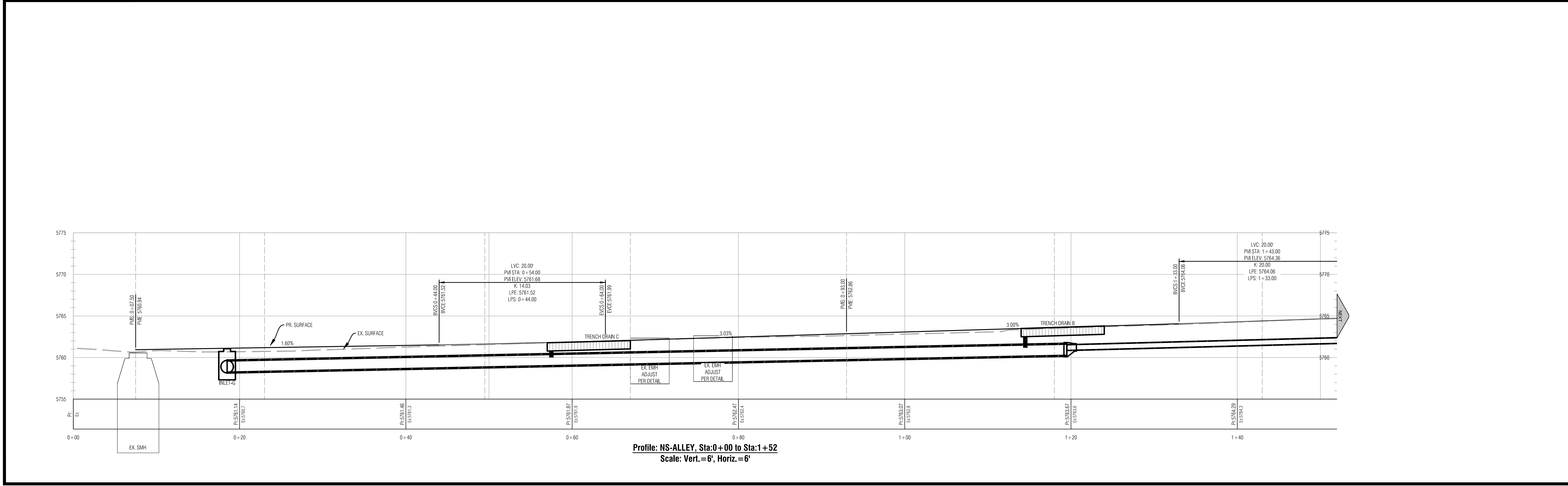
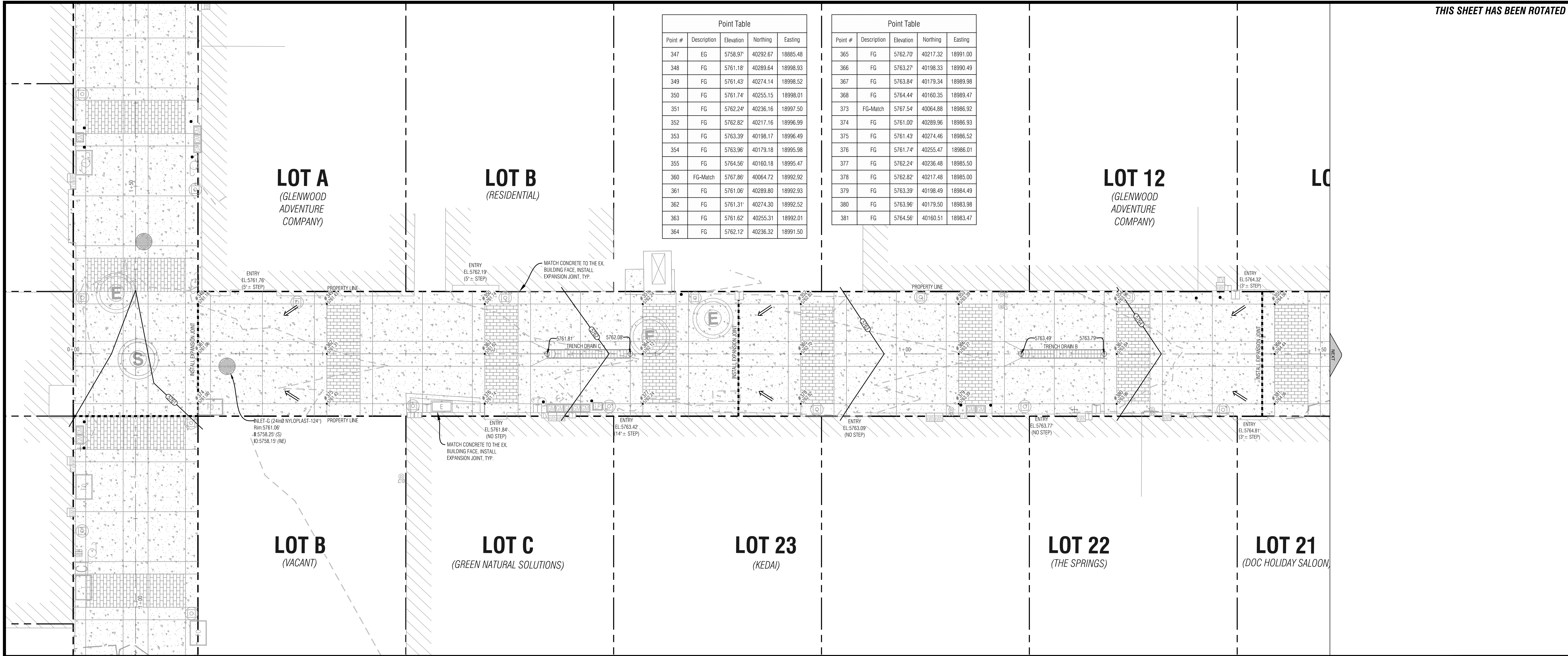
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Packet Page 129

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923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811
Know what's below.
Call before you dig.

GWS Alley Block 44 Improvements Project
Grading Plan - NS Corridor - Sta. 0+00 To 1+50
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

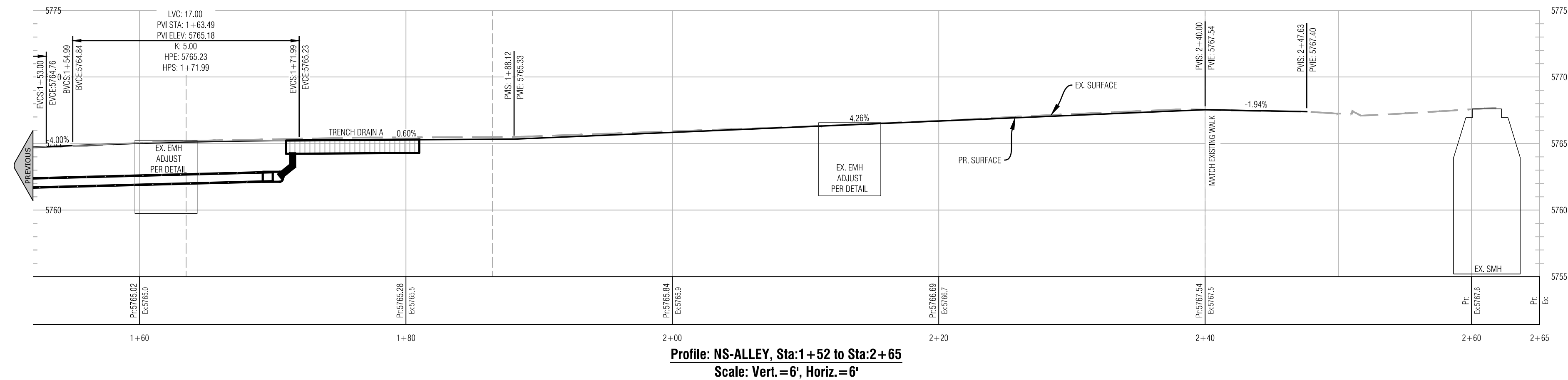
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PROJECT NO. **17009**
Designer: **DJW**
Checker: **BU**
Date: **5/22/19**

Sheet **C.10B**

File Name: 17009-c-10po-blk44.dwg

 Civil Engineering Surveying & Beyond	
923 Cooper Ave., Ste. 201 Glenwood Springs, CO 81601 (T) 970.945.5252 www.bu-inc.com	
Subsurface Utility Engineering (SUE) Required Project: Yes If "Yes", SUE Certification by: Firm: T.B.D. Job #: T.B.D. Date: T.B.D.	
Engineer or Surveyor Seal 	
Client Information: GWS DDA 101 W. 8TH STREET GLENWOOD SPRINGS, CO 81601 970.384.6446	
 NORTH  Scale: 1" = 5'	
 Know what's below. Call before you dig.	
GWS Alley Block 44 Improvements Project Grading Plan - NS Corridor - Sta. 1+50 To End 95% Design Plan Set (Not For Construction)	
GLENWOOD SPRINGS, CO	
PROJECT NO: 17009	
Designer: DJW	
Checker: BUI	
Date: 5/22/19	
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GENERAL LIGHTING NOTES:

- LUMINAIRES:
 - COORDINATE THE LOCATION OF LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, POLES, CONTROLS, TRANSFORMERS WITH THE ARCHITECTURAL, DRAWINGS AND ALL OTHER TRADES AS REQUIRED.
 - VERIFY LUMINAIRE MOUNTING REQUIREMENTS OF ALL FIXTURES, POLES AND OTHER EQUIPMENT PRIOR TO ORDERING.
 - ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING PROVIDED.
 - THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH ARCHITECTS AND ENGINEERS AS EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL CONTRACTOR AND ELECTRICAL ENGINEER.
- LIGHTING CONTROLS:
 - ALL LIGHTS SHALL BE CONTROLLED WITH A PHOTOCELL OR TIME CLOCK PER THE CITY REQUIREMENTS AND CODES.
- GENERAL NOTES:
 - FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.
- WIRING:
 - ALL WIRE IS TO BE #12 UNLESS NOTED OTHERWISE.
 - ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.
 - ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC AND ALL APPLICABLE LOCAL CODES.
 - ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING. FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.

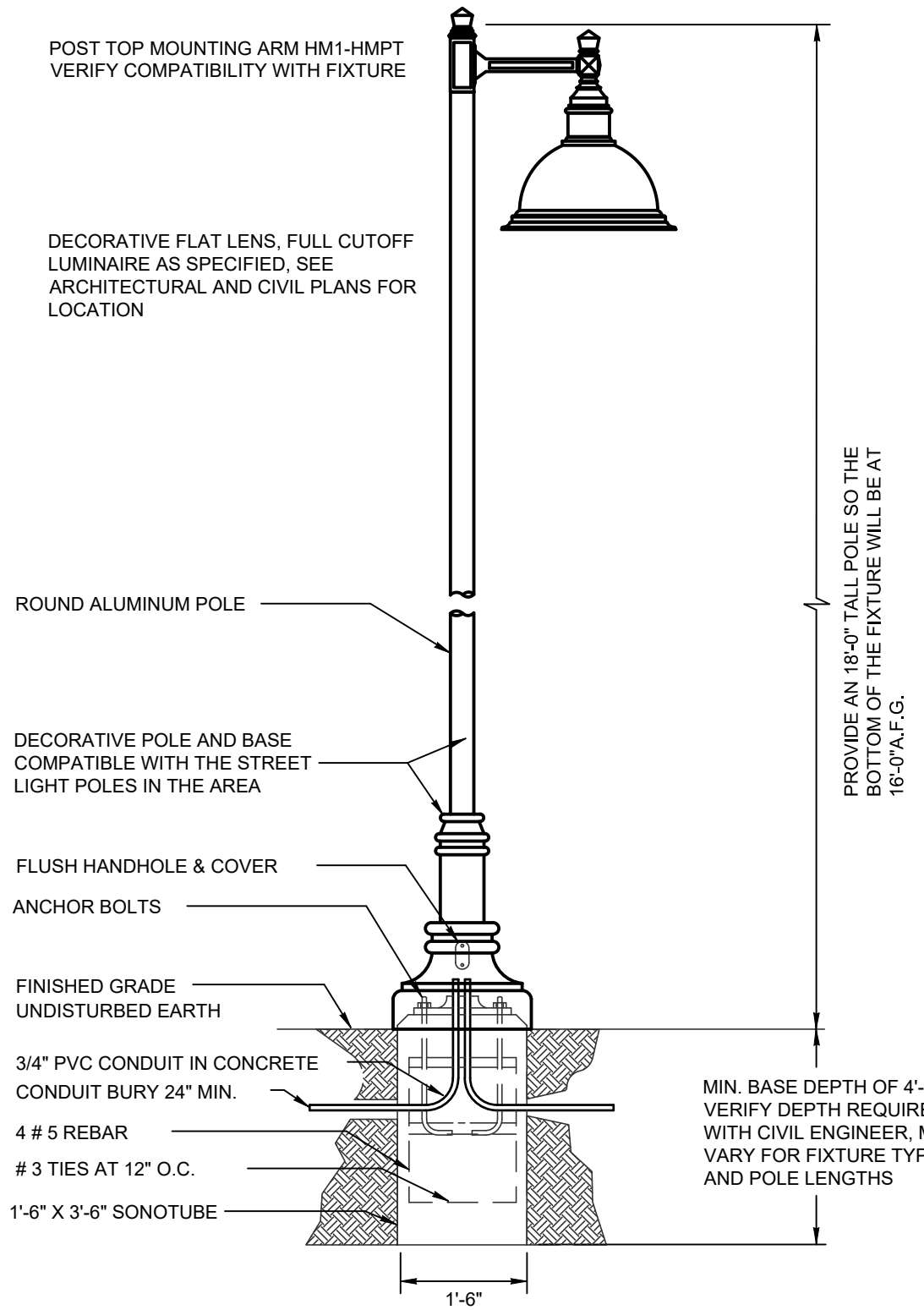
LIGHTING LEGEND

- NOTES:
SYMBOLS SHOWN ARE STANDARD, VARIATION AND/OR COMBINATIONS MAY BE USED ON THE PLANS.
- THIS LIST SHOWS STANDARD SYMBOLS. ALL SYMBOLS MAY NOT APPEAR ON THE PROJECT DRAWINGS. ALL SYMBOLS ON THE DRAWINGS MAY NOT APPEAR ON THIS LIST. HOWEVER, WHEREVER THE SYMBOL ON THE PROJECT DRAWINGS OCCUR, THE ITEM SHALL BE PROVIDED AND INSTALLED.
- AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS.
- ELECTRICAL EQUIPMENT
- LA-7 BRANCH CIRCUIT PANELBOARD
CIRCUITRY HOMERUN: PANEL LA - CIR. #7
CONDUIT OR WIRE CONCEALED IN WALL/CL.G.
CONDUIT OR WIRE UNDERFLOOR/UNDERGND.
WALL JUNCTION BOX - SURFACE/FLUSH
POLE FIXTURE TO SUPPORT POWERSPAN CABLING
- ABBREVIATIONS
- DRAWING KEYED NOTE
NL NIGHT/SECURITY LIGHT - DO NOT SWITCH
WP WEATHERPROOF
A.F.G. ABOVE FINISHED GRADE
GFCI GROUND FAULT CIRCUIT INTERRUPTER
EM EMERGENCY FUNCTION
44" MOUNTING HEIGHT - A.F.F. OR A.F.G. TO C.L. HIGH

SITE LIGHTING LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER CATALOG NO.	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	DESCRIPTION
SC1	TEGAN LIGHTING KORE-EXS-K-C-GEF-BLK HM1-HMPT ARM, TEGAN POWER SUPPLY & DRIVER	APPROVED EQUIVALENT	120V POWER SPAN DIRECT MOUNT CABLE	LED REMOTE DIMMING POWER SUPPLY, 6W, 199LM, 3500K, 90CRI	EXTRON POWERSPAN PENDANT, CABLE MOUNT, G GLASS ENVELOPE FROSTED GLASS BULB, BLACK FINISH, DIMMABLE. 110" MAX CABLE LENGTH, MOUNT LAMPS 4'-0" APART.
SP1	STERNBERG LIGHTING 1A-1521LED5M-F-12L-30-T2-MDLO08-FG--U-GM	APPROVED EQUIVALENT	120V POLE ARM MOUNTED	LED 8mA 0-10V DIMMING DRIVER, 27W, 3049LM, 70CRI,	OMEGA SERIES, ARM MOUNTED FIXTURE, FLARED EDGE, TYPE T2 DISTRIBUTION, GUM METAL MATTE FINISH, POLE AND BASE COMPATIBLE WITH FIXTURE AND ARM

- NOTES:
- ALL CABLE MOUNTED LIGHTS IN THE ALLEYS ARE TYPE SC1. ALL POLE MOUNTED LIGHTS ARE TYPE SP1 UNLESS OTHERWISE NOTED.
 - THE ELECTRICAL CONTRACTOR IS TO ORDER ALL HARDWARE AND COMPONENTS NECESSARY FOR A FULL AND COMPLETE INSTALLATION AND MOUNTING OF ALL LUMINAIRE.
 - ALL POLES TO BE STRAIGHT POLE, COLOR TO MATCH LUMINAIRES. POLE SHAFT WILL BE RATED FOR WIND GUSTS OF 100 MILES/HOUR.
 - ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL MUNICIPAL ZONING & DEVELOPMENT CODES, LIGHT TRESPASS AND DARK SKY INITIATIVES.
 - ALL EXTERIOR LIGHTS ARE TO BE CONTROLLED THRU AN AUTOMATIC CONTROL SYSTEM FOR ALL NIGHT OPERATION AND DIMMING.
 - NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.
 - ORDER ALL EXTERIOR LUMINAIRES WITH MULTI-TAP BALLAST AND FIELD VERIFY AVAILABLE VOLTAGE FOR EACH LUMINAIRE PRIOR TO INSTALLATION.

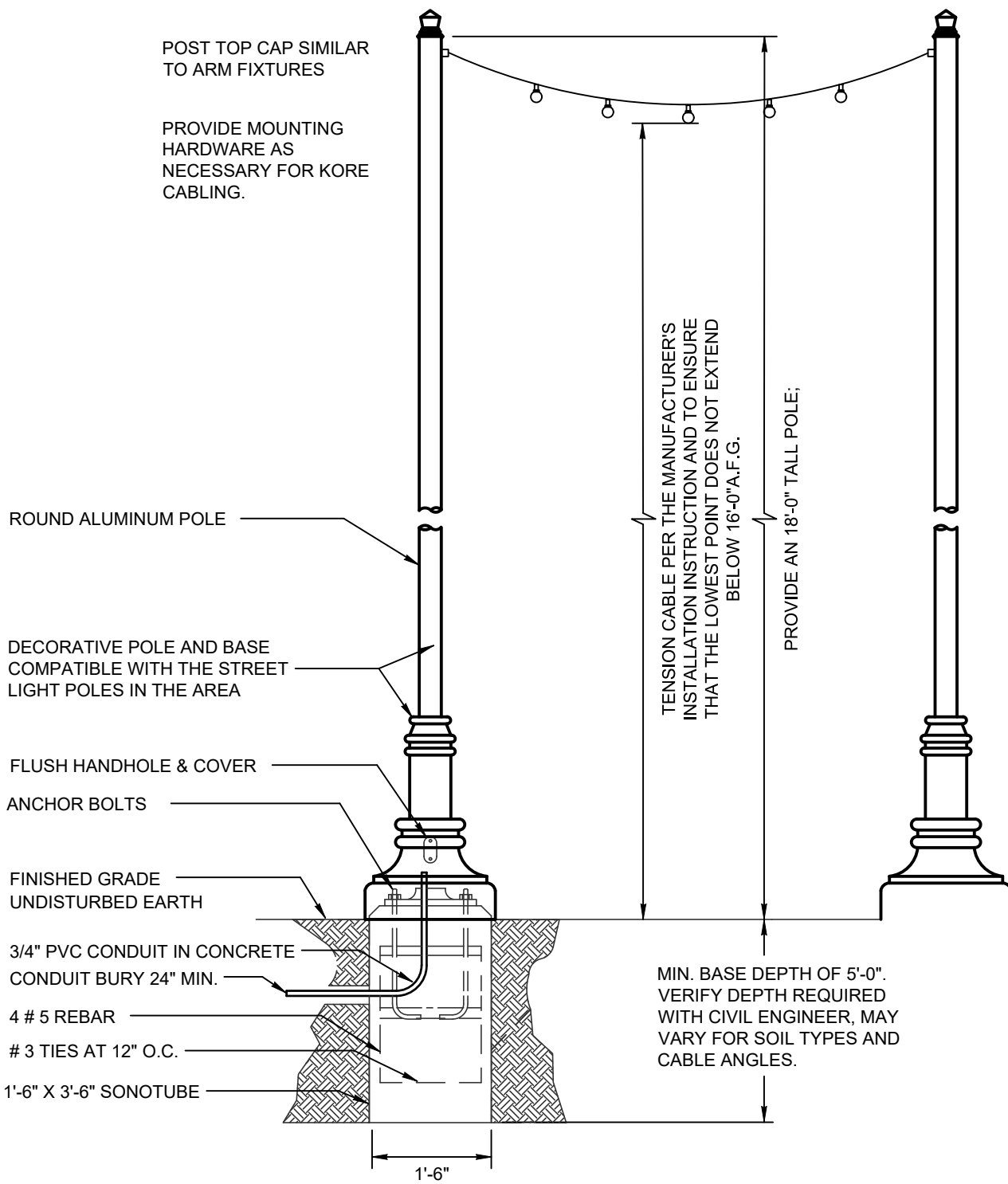


LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE

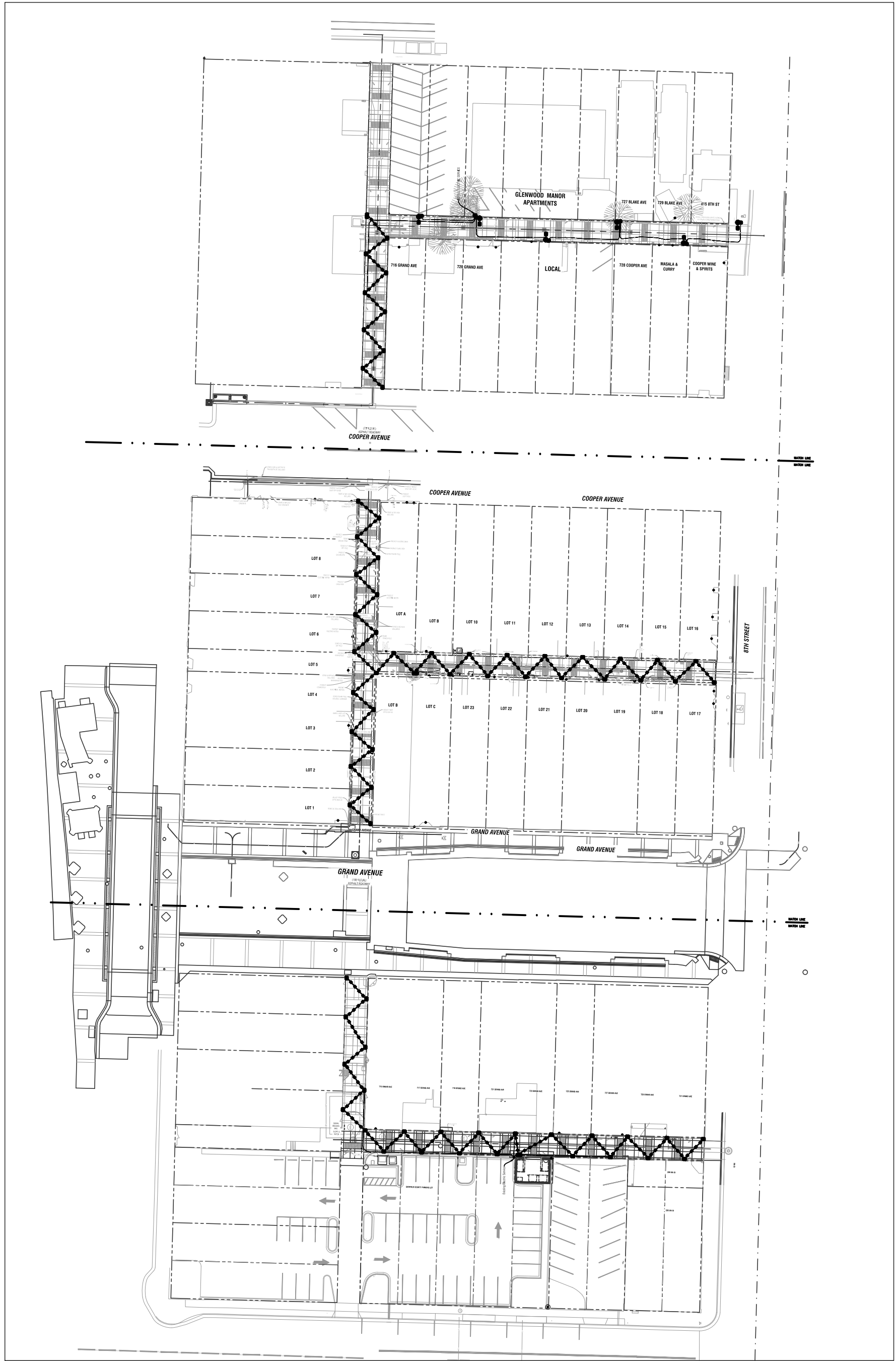
NOTES:

- VERIFY THE BURY DEPTH AND DIAMETER OF THE SONOTUBE WITH THE CIVIL ENGINEER PRIOR TO PURCHASING THE EQUIPMENT. DEPTH WILL DEPEND ON SOIL CONDITIONS. TYPICAL CONCRETE DEPTH IS 5 FT.
- THE ELECTRICAL CONTRACTOR IS TO INSTALL VIBRATION DAMPERS IN ALL POLES, OBTAIN DAMPERS FROM POLE MANUFACTURER FOR EACH ALUMINUM POLE.
- ALL OUTSIDE LIGHT SOURCES SHALL COMPLY WITH SECTION 21.06.080 OF THE ZONING AND DEVELOPMENT CODE.
- NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.



STRING LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE



SITE LIGHTING PLAN - OVERALL PLAN FOR REFERENCE

SCALE: NOT TO SCALE

PHOTOMETRIC CALCULATION DISCLAIMER:

LIGHTING PATTERN USED FOR LUMINAIRES REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY LUMINAIRE MAY VARY DUE TO VARIATION IN VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD AND EQUIPMENT CONDITIONS.

EXTERIOR LIGHTING DESIGN CONCEPTS:

- CALCULATIONS ARE USING POINT-TO-POINT METHOD WITH TEN FEET DISTANCE BETWEEN CALCULATION GRID POINTS, USING VISUAL LIGHTING CALCULATIONS SOFTWARE.
- THE IESNA STANDARDS REPRESENT THE LOWEST ACCEPTABLE LEVELS FOR PROPER VISIBILITY AND RECOMMEND MINIMUM MAINTAINED LIGHT LEVELS FOR OPEN PARKING LOTS AT 0.2-0.5 FOOT CANDLE LEVELS FOR ENHANCED SECURITY CONDITIONS.
- PROPOSED LIGHT FIXTURES AND LIGHT LEVELS ARE TO BE IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS.

EXTERIOR LIGHTING NOTES:

- LIGHT FIXTURES SHALL BE INSTALLED AND MAINTAINED IN A MANNER CONSISTENT WITH THE LIGHTING PLAN APPROVED BY THE CITY PLANNING DEPARTMENT. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE LIGHTING FIXTURES ON THEIR PROPERTY.
- REFER TO LANDSCAPE PLANS FOR MATURE HEIGHT OF EXISTING AND PROPOSED TREES.
- REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING HEIGHT INFORMATION.
- ALL EXTERIOR LIGHT FIXTURES SHALL BE OPERATED BY ASTRONOMICAL TIME CLOCK, PHOTOCELL OR LIGHTING CONTROL SYSTEM.
- POST-CURFEW LIGHT LEVELS FOR PARKING LOTS SHALL BE REDUCED BY AT LEAST 50%. ENTRY LIGHTS MAY BE LEFT ON.
- FACILITIES & SITE DEVELOPMENT OF THIS SITE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS, STANDARDS AND DETAILS.
- ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL ZONING & DEVELOPMENT CODES.
- PARKING LOT LIGHTS SHALL OPERATE DUSK TO PRE-SET OFF, SO THAT THEY EXTINGUISH ONE HOUR AFTER CLOSE OF BUSINESS OR NO LATER THAN 10 P.M. BUILDING SECURITY LIGHTS WILL OPERATE FROM DUSK TO DAWN.

ACCEPTANCE BLOCK

THE CITY REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE CITY'S DEVELOPMENT STANDARDS, SUBJECT TO THESE PLANS BEING SEALED, SIGNED, AND DATED BY THE PROFESSIONAL OF RECORD. REVIEW BY THE CITY DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD. CONSTRUCTION MUST COMMENCE WITHIN ONE YEAR FROM THE DATE OF PLAN SIGNATURE.

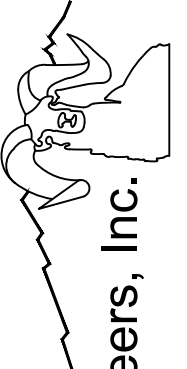
CITY DEVELOPMENT ENGINEER

DATE

CITY PLANNER

DATE

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADPTION TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.



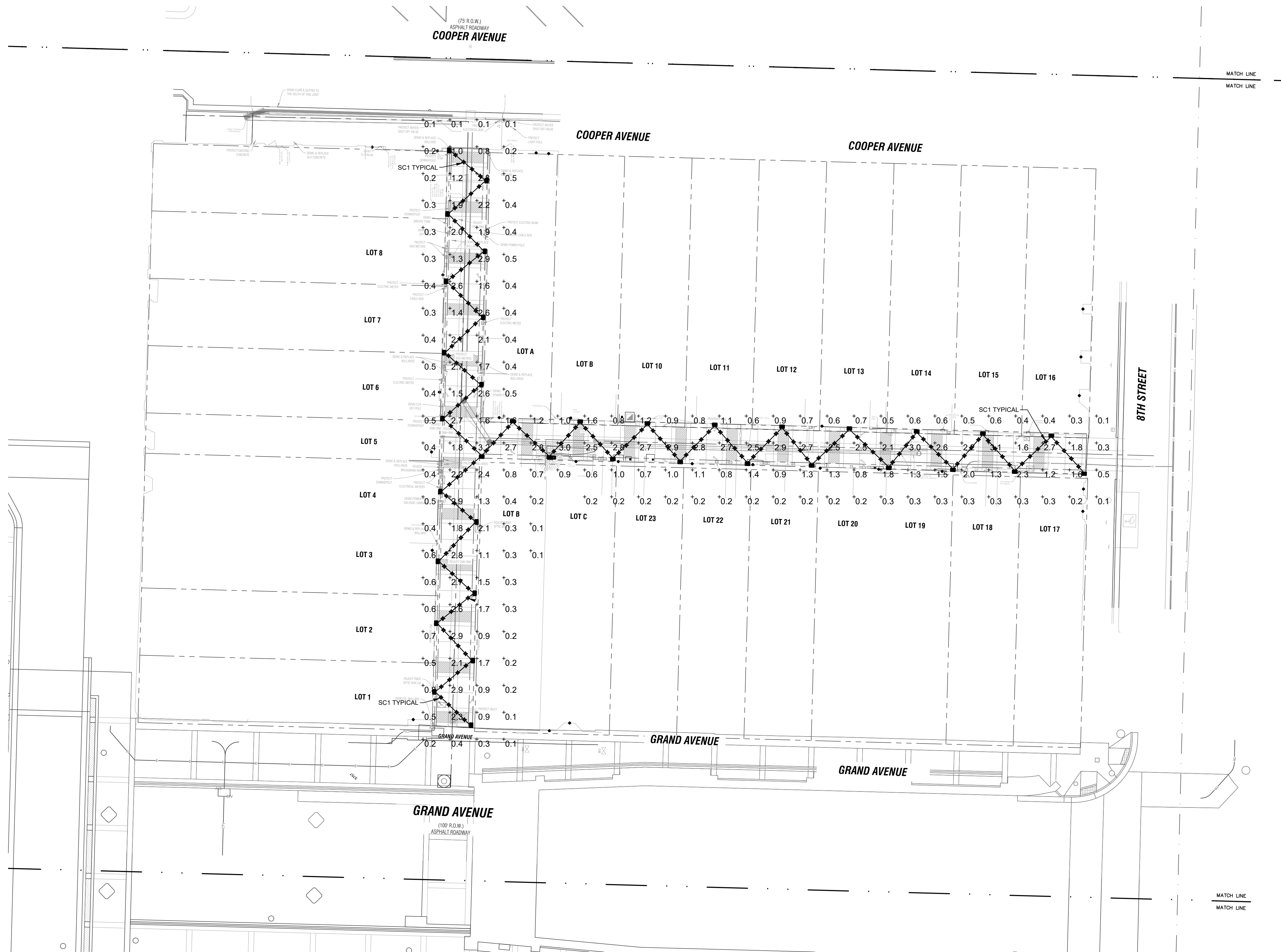
Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
386 Indian Road
Grand Junction, CO 81501
Phone: 970-241-8709

GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS
SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



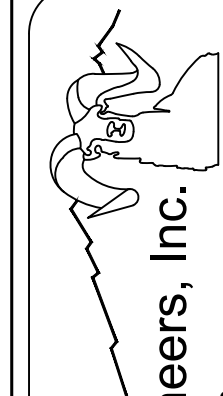
DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	IES1-0



ISO-FOOTCANDLE SITE LIGHTING PLAN - ALLEY 44

SCALE: 1"=20'-0"

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.



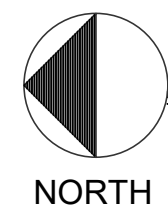
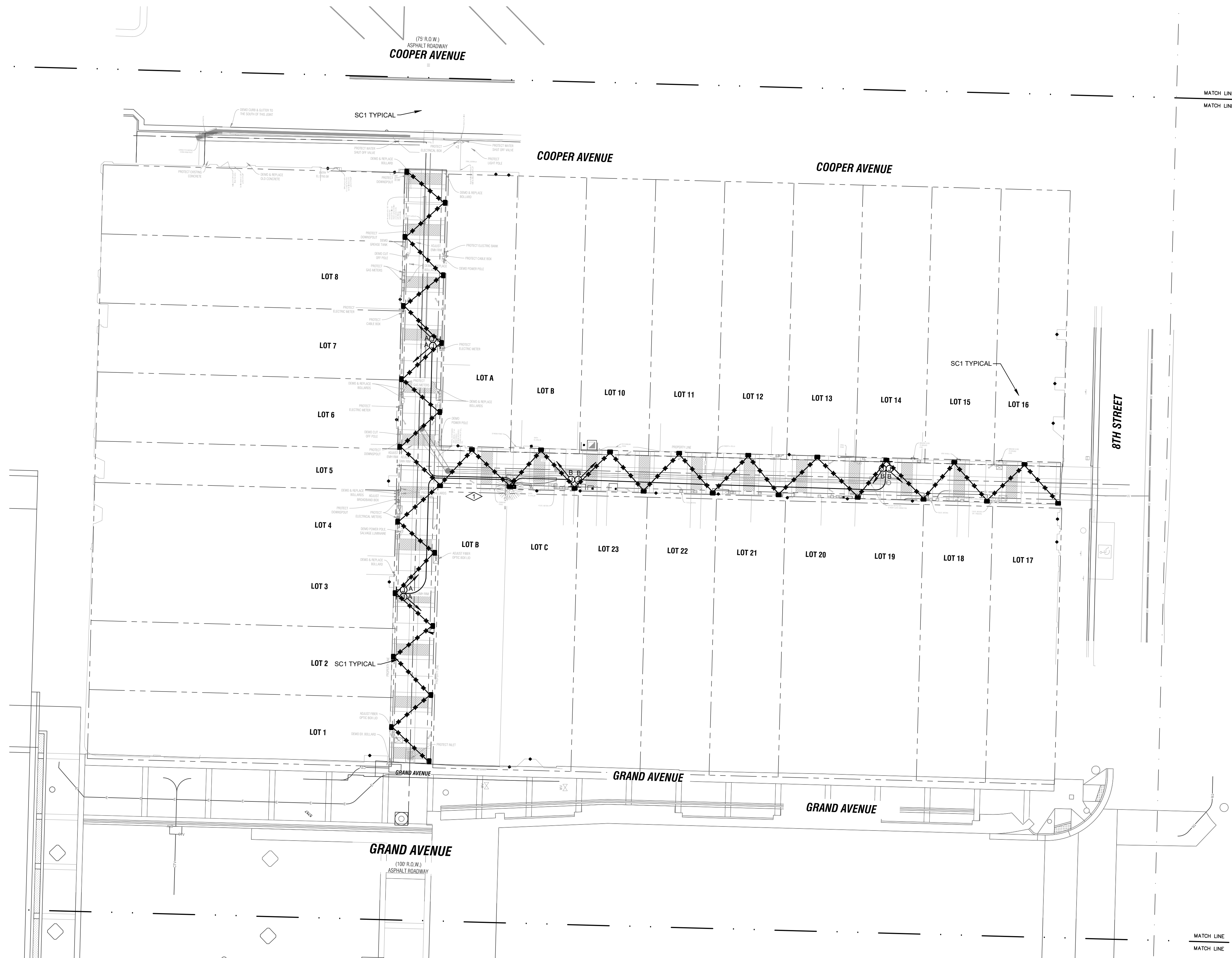
Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
386 Indian Road
Grand Junction, CO 81501
Phone: 970-241-8709

**GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS**
SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	IES1-2



SITE LIGHTING PLAN - ALLEY 44

SCALE: 1"=20'-0"

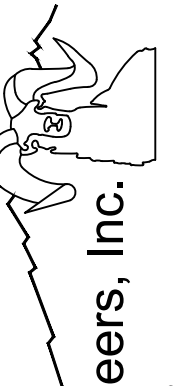
FLAG NOTES:

1. PROVIDE (4) 20 AMP SIEMENS BREAKERS COMPATIBLE WITH THE EXISTING COMPACTOR PANEL. EXTEND (2) 3/4" SCHEDULE 80 PVC EACH WITH (2) 3#10 AWG(CU) TO THE LIGHTLEADER LIGHTING CONTROL PANEL FOR LIGHTING AND CONTROL CIRCUITS. PROVIDE STEEL TUBE SUPPORTED UNISTRUT FRAME SIZED TO CONTROL PANEL. LOCATE AT CORNER OF PROPERTY AGAINST LOT C AND OUT OF WAY OF COMPACTORS.

GENERAL NOTES:

1. RELAY CIRCUITS "A" OR "B" SUPPLY OPPOSITE ENDS OF THE ALLEY FROM THE SERVICE PANEL. EXTENDING FROM THE LIGHTLEADER CONTROL MODULE, EACH ARE CALLED OUT NEXT TO POWERSPAN CABLING CONTROL PANELS AND POLE LIGHTING THEY FEED.
2. JUNCTION BOXES IDENTIFY THE LOCATIONS FOR THE POWERSPAN CABLING CONTROL PANELS. THE ARROWS DENOTE THE RUN OF THE POWERSPAN CABLING FROM THE CABLE CONTROL PANEL TOWARD THE END OF THE CABLE.
3. INSTALL AND TENSION PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TO ENSURE THAT THE LOWEST LIGHT FIXTURE IS ABOVE 16' A.F.G..

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.



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Mechanical & Electrical Engineers

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GLENWOOD SPRINGS ALLEY BLOCK 43,44, & 45 IMPROVEMENTS

SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
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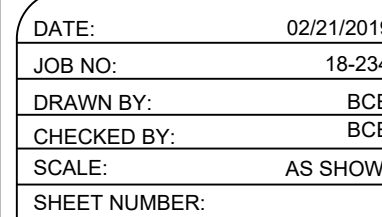


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SHEET NUMBER:	

ES1-2

**GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS**

SITE LIGHTING
GLENWOOD SPRINGS, COLORADO



February 21, 2019 - 4:39:22pm

LightSync 0-10V Dimming Output Module Details

Caution: Always verify 10VDC on control wires before connecting to the terminal. Line voltage applied will cause damage to electronics and possible electrocution

0-10VDC dimming terminations

Removable screw type terminal blocks that accepts 16-12 AWG wire

Purple (+)
Gray/Purple striped (-)

RJ-45 connectors for "R" remote mount option

Output module pin connector for "P" panel mount option

Address switches for setting a unique dimmer device address from 01 to 10 hexadecimal (16 possible)

Mounting hole for 6-32 screw (4)

2.75"

3.50"

Optional Sink/Source/Drive Module Settings (97013489)

Left & right jumper settings must match per output for proper operation.

A: Direct drive
B: Source voltage
C: Sink voltage for 0-10V dimming ballast (default)

- 0-10VDC dimming output control device with 4 independent channels
- Sink up to 100mA per channel (200 ballasts at .5mA each)
- Optional Sink/Source/Drive module (see above); 100mA Sink/Source, 10mA Direct drive per channel
- Consult ballast manufacturer for maximum distance to ballast

16 AWG	800 feet
18 AWG	500 feet
20 AWG	320 feet
22 AWG	200 feet
24 AWG	120 feet

ILC INTELLIGENT LIGHTING CONTROLS, INC.
www.ilc-usa.com 1-800-922-8004

PD0614 REV D

415-504-3536

Tegan
LIGHTING

www.teganlighting.com • info@teganlighting.com • 415-504-3536 • 23 1/7/19

2

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11

Exton IP65 Trac System - Exclusive Powerspan Cable Installation Instructions

415-504-3596

Teagan

www.teaganlighting.com • info@teaganlighting.com • 415-504-3596 • 2017/10/14

415-504-3536

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9

ABBREVIATIONS		QTY		QUANTITY	
APROX	APPROXIMATE	GA	GAUGE		
ARCH	ARCHITECT	GAL	GALLON		
AVG	AVERAGE	GALV	GALVANIZED	R	RADIUS
		GB	GRADE BREAK	RE	REFERENCE
B&B	BALLOD AND BURLAPPED	GC	GENERAL CONTRACTOR	REINF	REINFORCED(0), (ING)
BLDG	BUILDING	GPM	GALLON PER MINUTE	RECD	REQUIRED
BM	BENCHMARK			REV	REVISION(S), REVISED
BOC	BACK OF CURB	HORIZ	HORIZONTAL	RM	ROOM ELEVATION
BOV	BLOW OFF VALVE	HP	HIGH POINT	ROW	RIGHT-OF-WAY
BR	BOTTOM OF RAMP	HT	HEIGHT	RP	RADIUS POINT
BS	BOTTOM OF STEP				
BW	BOTTOM OF WALL	ID	INSIDE DIAMETER	SAN	SANITARY
		INV	INVERT ELEVATION	SCH	SCHEDULE
CAL	CAULPER	IN	INCHES	SD	STORM DRAIN
CF	CUBIC FEET	INCL	INCLUDE(D)	SEC	SECTION
CJ	C&T-IN-PLACE	IRR	IRRIGATION	SF	SQUARE FOOT (FEET)
CL	CONTROL JOINT			SHT	SHEET
CL	CENTERLINE	JT	JOINT(S)	SIM	SIMILAR
CLR	CLEARANCE			SPECS	SPECIFICATIONS
C/O	CLEANOUT	LN	LINEAR	SQ	SQUARE
COMP	COMPACTED	LP	LOW POINT	STA	STATION
CONC	CONCRETE	LT	LIGHT	STD	STANDARD
CONT	CONTINUOUS			STL	STEEL
CONTR	CONTRACTOR	MATL	MATERIAL	STRUCT	STRUCTURAL
CUB	CUBIC	MAX	MAXIMUM	SYM	SYMMETRICAL
		MECH	MECHANICAL		
DBL	DOUBLE	MH	MANHOLE	TBC	TOP OF BACK OF CURB
DEG	DEGREE	MIN	MINIMUM	TC	TOP OF CURB
DEMO	DEMOLISH, DEMOLITION	MISC	MISCELLANEOUS	THK	THICK
DA	DIAMETER			T/LF	TOP OF LIGHT FOOTING
DM	DIMENSION	NIC	NOT IN CONTRACT	TOP	TOP OF
DN	DOWN	NOM	NOMINAL	TOPO	TOPOGRAPHY
DNL	DETAIL	NTS	NOT TO SCALE	TR	TOP OF RAMP
DWG	DRAWING			TRANS	TRANSFORMER
EA	EACH	OC	ON CENTER(S)	TS	TOP OF STEP
EAF	EACH FACE	OD	OUTSIDE DIAMETER	TW	TOP OF WALL
EJ	EXPANSION JOINT	OPP	OPPOSITE	TY	TYPICAL
ELEV	ELEVATION	PA	PLANTING AREA	UNFIN	UNFINISHED
ELECT	ELECTRICAL	PC	POINT OF CURVATURE		
ENG	ENGINEER	PERF	PERFORATE(D)	VAR	VARIES
EOP	CURB LIP	PED	PEDESTRIAN	VERT	VERTICAL
EQ	EQUAL	PERM	PERIMETER	VEH	VEHICLE
EST	ESTIMATE	PI	POINT OF INTERSECTION	VOL	VOLUME
EW	EACH WAY	PL	PROPERTY LINE		
EXIST	EXISTING	POB	POINT OF BEGINNING	W/O	WITH
		PSF	POUNDS PER SQUARE FOOT	WT	WEIGHT
FG	FINISHED GRADE	PSI	POUNDS PER SQUARE INCH	WWF	WEIRD WIRE FABRIC
FN	FINISH	PT	POINT, POINT OF TANGENCY		
FL	FLOW LINE	PVC	POLYVINYL CHLORIDE	YD	YARD
FOB	FACE OF BUILDING	PWMT	PAVEMENT		
FOR	FACE OF WALL	PVR	PAVER(S)		
FS	FINISH SURFACE				
FT	FOOT (FEET)				
FTG	FOOTING				

STORMWATER MANAGEMENT PLAN (SWMP)

- A. PREPARATION OF STORMWATER MANAGEMENT PLANS, PERMITTING AND COMPLIANCE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISCHARGES ARE SUBJECT TO THE PROVISIONS OF THE COLORADO WATER QUALITY CONTROL ACT AND THE COLORADO DISCHARGE PERMIT REGULATIONS. PROHIBITED DISCHARGES INCLUDE SUBSTANCES SUCH AS: WASH WATER, PAINT, AUTOMOTIVE FLUIDS, SOLVENTS, OILS OR SOAPS.
- B. STORMWATER MANAGEMENT AND EROSION CONTROL FOR THIS PROJECT WILL BE ACCOMPLISHED BY CONTROLLING THE TIMING OF CONSTRUCTION ACTIVITIES AND PROVIDING PERMANENT EROSION CONTROL BMPs.
- C. THE CONTRACTOR WILL APPLY FOR AND HOLD ANY NECESSARY PERMITS.

SITE DESCRIPTION

- A. PROJECT SITE DESCRIPTION: THIS PROJECT CONSISTS OF THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- B. FOLLOWED SEQUENCING FOR MAJOR ACTIVITIES: REMOVAL OF NECESSARY SURFACE FEATURES AND GRADING FOLLOWED BY THE INSTALLATION OF UTILITIES, CONCRETE, PAVERS ASPHALT AND SIGNAGE.
- C. ACRES OF DISTURBANCE:
1. TOTAL AREA OF CONSTRUCTION SITE: 0.08 ACRES
2. TOTAL AREA OF DISTURBANCE: 0.08 ACRES
3. ACREAGE OF SEEDING: 0.00 ACRES
4. ACREAGE OF SOD: 0.00 ACRES
5. EXISTING SOIL DATA: SEE THE PROJECT SOILS INVESTIGATION REPORT PREPARED BY H-P KUMAR DATED FEBRUARY 2, 2017.
- E. EXISTING VEGETATION, INCLUDING PERCENT COVER: 0%.
- F. POTENTIAL POLLUTANTS SOURCES: FUEL, MOTOR OIL, LUBE, SILT AND SOILS FROM DISTURBED AREAS AND SPOIL PILLS, ANTI-FREEZE, AND CONCRETE APPLICATIONS.
- G. RECEIVING WATER:
1. UTILITY LOCATIONS: STORM DRAINS
2. NAMES OF RECEIVING WATER(S) ON SITE AND THE ULTIMATE RECEIVING WATER: NO RECEIVING WATERS ON PROJECT SITE, HOWEVER, THE COLORADO RIVER IS NORTH OF THE PROJECT. ULTIMATE RECEIVING WATER IS THE COLORADO RIVER.
3. DISTANCE TO ULTIMATE RECEIVING WATER FROM THE PROJECT: 0.04 MILES TO THE NORTH.
4. DOES THE RECEIVING WATER HAVE AN APPROVED TMDL: NONE
- H. ALLOWABLE NON-STORMWATER DISCHARGES: THERE ARE NO NON-STORMWATER DISCHARGES ANTICIPATED WITH THIS PROJECT.
- I. ENVIRONMENTAL IMPACTS: THERE HAVE BEEN NO WETLANDS DELINEATED, NO STREAMS HAVE BEEN IDENTIFIED ON THE PROJECT SITE, NO THREATENED OR ENDANGERED SPECIES HAVE BEEN IDENTIFIED ON THE PROJECT SITE.

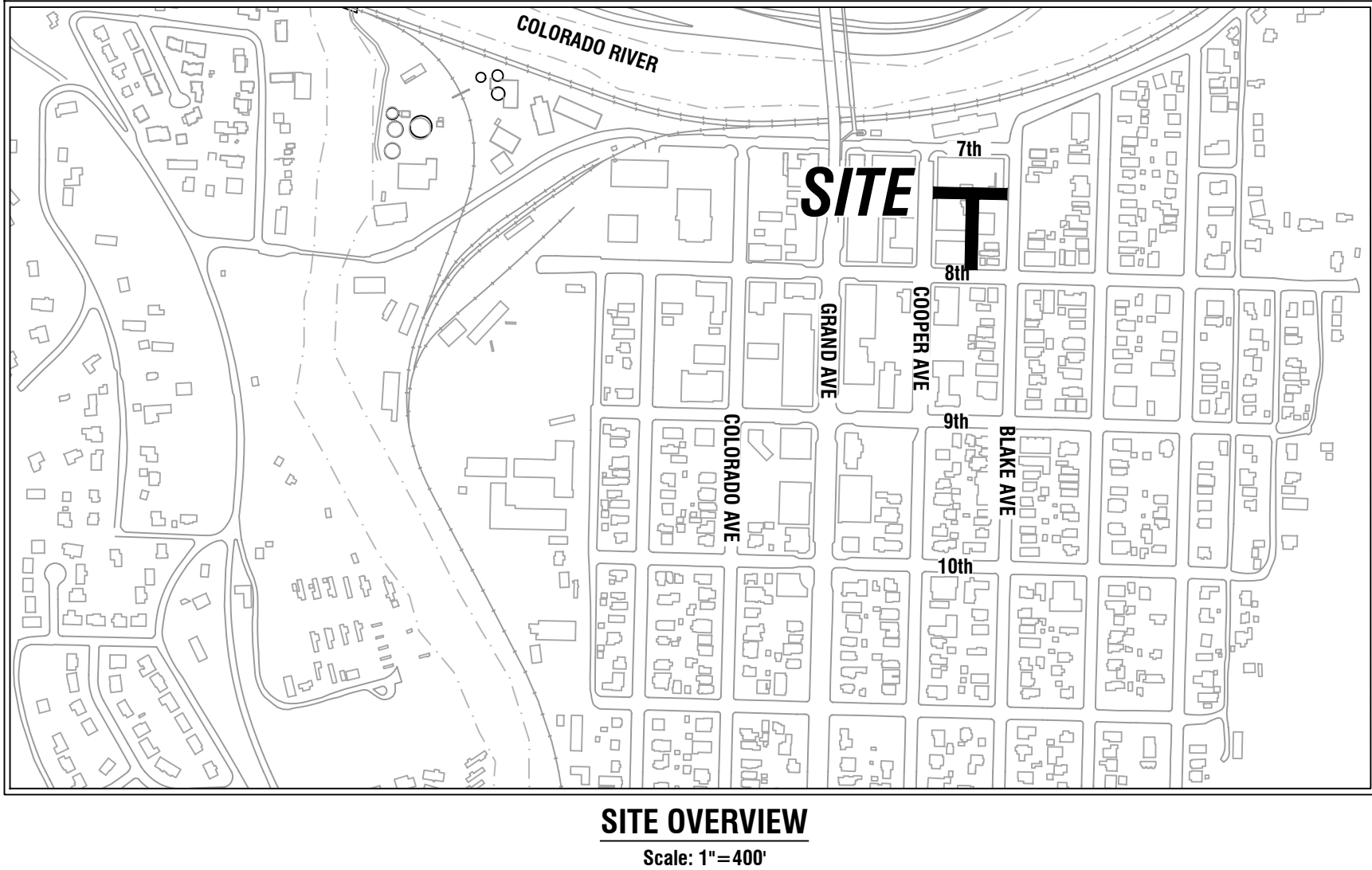
SITE MAP

- A. THE CONTRACTOR MAY UTILIZE THESE PLANS AS A BASE MAP TO PREPARE THE SWMP SITE MAP.
- B. SITE MAP COMPONENTS TO INCLUDE:
1. CONSTRUCTION SITE BOUNDARIES
2. ALL AREAS OF GROUND SURFACE DISTURBANCE
3. AREAS OF CUT AND FILL
4. LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP
5. LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP
6. SPRINGS, STREAMS, WETLANDS, AND OTHER SURFACE WATERS
7. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION.
- C. SWMP ADMINISTRATOR:
- NAME: TBD
- BUSINESS PHONE: _____
- CELL PHONE: _____
- PHYSICAL ADDRESS: _____
- D. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES:
1. THE CONTRACTOR SHALL PERFORM THE FOLLOWING:
- A. DESIGNATE A SWMP ADMINISTRATOR/EROSION CONTROL ADMINISTRATOR.
- B. POTENTIAL POLLUTANT SOURCES: EVALUATE, IDENTIFY AND DESCRIBE ALL POTENTIAL SOURCES OF POLLUTANTS AT THE SITE IN ACCORDANCE WITH SUBSECTION 107.25 AND PLACE IN THE SWMP NOTEBOOK. ALL BMPs RELATED TO POTENTIAL POLLUTANTS SHALL BE SHOWN ON THE SWMP MAP BY THE SWMP ADMINISTRATOR.
- D.3. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION - PHASED BMP IMPLEMENTATION
- D.3.1. EROSION CONTROL DEVICES ARE USED TO LIMIT THE AMOUNT OF EROSION ON SITE
- D.3.2. SEDIMENT CONTROL DEVICES ARE DESIGNED TO CAPTURE SEDIMENT ON THE PROJECT SITE
- D.3.3. CONSTRUCTION CONTROL: BMPs RELATED TO CONSTRUCTION ACCESS AND STAGING
- D.3.4. BMP LOCATIONS ARE INDICATED ON THE SITE MAP
- D.3.5. BMP INSTALLATION DETAILS AND GENERAL NARRATIVES ARE IN THE SWMP NOTEBOOK.
- D.4. OFFSITE DRAINAGE (RUN ON WATER):
- D.4.1. OFFSITE DRAINAGE WILL CONTINUE IN THE MANNER EXISTING TO THE SITE. STORMWATER CURRENTLY IS DIRECTED VIA STORM DRAINS. BMPs TO BE USED WILL CONSIST OF ROCK CHECK DAMS AND SEDIMENT FILTERS BENEATH THE EXISTING INLET GRATES.
- E. STABILIZED CONSTRUCTION ENTRANCE/VEHICLE TRACKING CONTROL
- E.1. THERE WILL NOT BE A TRACKING PAD ASSOCIATED WITH THIS PROJECT. HOWEVER, THE CONTRACTOR WILL ENSURE THAT THE ROADWAY IS SWEEPED AND SHOVELED IMMEDIATELY AFTER VEHICLES LEAVE THE SITE. ALL MATERIAL SHOVELED OFF THE ROADWAY WILL BE DISPOSED OF OFFSITE AND SHALL NOT BE USED IN THE STRUCTURAL SECTION OF THE NEW ASPHALT OR IN THE FILL AREAS.
- F. PERIMETER CONTROL
- F.1. PERIMETER CONTROL SHALL BE ESTABLISHED AS THE FIRST ITEM ON THE SWMP TO PREVENT THE POTENTIAL FOR POLLUTANTS LEAVING THE CONSTRUCTION SITE BOUNDARIES, ENTERING THE STORMWATER DRAINAGE SYSTEM, OR DISCHARGING TO STATE WATERS.
- F.2. PERIMETER CONTROL MAY CONSIST OF BMPs AS APPROVED.
- F.3. PERIMETER CONTROL SHALL BE MAINTAINED AT TIMES DURING CONSTRUCTION.

Stormwater Management Notes

Scale: N.T.S.

Sheet No.	Index of Sheets
C.1	Cover Sheet
C.2	Demolition Plan
C.3	Storm Sewer Plan
C.4	Storm Sewer Plan
C.5	Utility Plan
C.6	Site Plan
C.7	Grading Plan - Cooper Avenue
C.8	Grading Plan - EW Corridor Sta. 2+20 to 3+50
C.9	Grading Plan - EW Sta. 3+50 to End
C.10	Grading Plan - NS Corridor Sta. 1+00 to 2+60
C.11	Grading Plan - NS Corridor Sta. 2+50 to End
IESI-0	llumination Plan - Overall
IESI-3	llumination Plan - Block 45
ESI-0	Site Lighting - Overall
ESI-3	Site Lighting - Block 45
ESI-4	Site Lighting - Details



PROJECT NOTES (IN ADDITION TO CDOT STANDARDS AND REQUIREMENTS):

1. THE WARRANTY PERIOD SHALL BE TWO (2) YEARS FROM THE DATE OF ACCEPTANCE.
2. CONSTRUCTION WORK: ANY NOISE CREATED BY OPERATING OR CAUSING TO BE OPERATED ANY EQUIPMENT (MECHANICAL OR NON-MECHANICAL, SE IF PROFELLED OR MANUALLY MANIPULATED) USED IN CONSTRUCTION, REPAIR, ALTERATION OR DEMOLITION WORK ON BUILDINGS, STRUCTURES, STREETS, ALLEYS OR APPURTENANCES AT ANY TIME OTHER THAN BETWEEN THE HOURS OF 7:00 A.M. AND 6:00 P.M. ON MONDAY THROUGH FRIDAY, AND 8:00 A.M. AND 6:00 P.M. ON SATURDAY AND SUNDAY. THE CITY MANAGER IS HEREBY AUTHORIZED TO ISSUE A CONSTRUCTION WORK NOISE PERMIT ALLOWING CONSTRUCTION WORK NOISE TO OCCUR AT A TIME OTHER THAN THE TIME SET FORTH HEREIN BASED ON CIRCUMSTANCES WHICH NECESSITATE SUCH CONSTRUCTION WORK. IN THE EVENT THE CITY MANAGER ISSUES SUCH A PERMIT, THE CITY COUNCIL SHALL BE ADVISED OF SUCH ISSUANCE AT THE NEXT REGULAR CITY COUNCIL MEETING.
3. IN ORDER OF PRECEDENCE, ALL CONSTRUCTION SHALL MEET OR EXCEED THE PROJECT PLANS AND TECHNICAL SPECIFICATIONS, STANDARDS ESTABLISHED IN THE LATEST EDITIONS OF THE CITY PUBLIC WORKS MANUAL AND/OR ENGINEERING STANDARDS, AND CDOT SPECIFICATIONS, AS REFERENCED HEREIN.
4. ALL CONSTRUCTION SHALL BE SUBJECT TO OBSERVATION BY THE CITY AND THE PROJECT ENGINEER. BOUNDARIES UNLIMITED INC. IS THE ENGINEER OF RECORD FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF OBSERVATIONS AND REVIEW BY THE CITY AND BOUNDARIES UNLIMITED INC. OF ALL PUBLIC IMPROVEMENT INSTALLATIONS, OBSERVATIONS AND REVIEW OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE OBSERVER OF THE COMPLETED WORK. ALL GUARANTEES OR WARRANTIES REMAIN WITH THE CONTRACTOR.
5. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES.
6. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO THE CITY. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. FOR ANY CONSTRUCTION ACTIVITY WITHIN THE ROAD RIGHT-OF-WAY, CONTRACTOR SHALL PROVIDE ALL WARNING LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION ZONE TRAFFIC CONTROL. A CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE CITY OF GLENWOOD SPRINGS AND THE ENGINEER OF RECORD AT LEAST 7 DAYS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE ROAD RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING AND HAULING SUPPLIED MATERIALS FROM THE CITY MATERIALS STORAGE YARD LOCATED NEAR THE AIRPORT (AKA: HONEYBURY).
10. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
11. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
12. THE CONTRACTOR SHALL VERIFY EXISTING PIPE OR MANHOLE INVERTS/DEPTHS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
13. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
14. 95% MODIFIED STANDARD PROCTOR IS REQUIRED FOR ALL SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNLESS NOTED OTHERWISE ON THE DETAILS.
15. THE CITY WILL PROVIDE THE CONTRACTOR WITH A TAX EXEMPT FORM FOR USE IN PURCHASING OF MATERIALS AND SUPPLIES.
16. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
17. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL AFFECTED OR DAMAGED LANDSCAPING, INCLUDING IRRIGATION, WITH SIMILAR MATERIALS AND PLANTS. SOD SHALL BE USED TO REPLACE LAWN.
18. UPON COMPLETION OF THE PIPELINE INSTALLATION WORK, ALL RUBBISH, EXCESS MATERIALS, TEMPORARY STRUCTURES AND EQUIPMENT ARE TO BE REMOVED AND THE SITE CLEANED AND RESTORED TO THE SATISFACTION OF THE CITY AND CDOT. DISTURBED AREAS SHALL BE SEEDED OR OTHERWISE PROTECTED TO CONTROL EROSION AS SPECIFIED OR REQUIRED BY CDOT.
19. THE CONTRACTOR SHALL COMPLY WITH ALL AGREEMENTS BETWEEN THE CITY AND PRIVATE PROPERTY OWNERS.
20. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND HAVE IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
21. SAWCUT ALL ASPHALT AND CONCRETE TO BE REMOVED. ASPHALT LOCATED WITHIN THE GLENWOOD SPRINGS RIGHT-OF-WAY OR PRIVATE PROPERTIES SHALL BE REPLACED WITH 5" THICK ASPHALTIC PAVEMENT OVER 8" CLASS 6 AGGREGATE BASE COURSE. ALL CONCRETE SHALL BE REPLACED PER THE DETAILS, WHEN REPLACING CONCRETE, MATCH EDGES OF SAWCUT CONCRETE AND MAINTAIN INTEGRITY OF DRAINAGE PATTERNS.
22. A GRADING PERMIT AND A SIDEWALK/CURB/GUTTER PERMIT ARE NOT REQUIRED FOR THIS PROJECT.
23. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
24. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE WITH ALL ADJACENT BUSINESSES AND AMTRAK.

REQUIRED SHOP DRAWINGS:

- CONCRETE
- BRICK PAVERS
- ASPHALT MIX DESIGN
- FURNITURE
- AGGREGATES
- FLOWABLE FILL
- ALL UTILITY STRUCTURES, PIPE & FITTINGS
- CONDUITS
- ANY OTHERS INDICATED WITHIN THE PLANS OR AS REQUIRED BY THE CITY OR THE ENGINEER

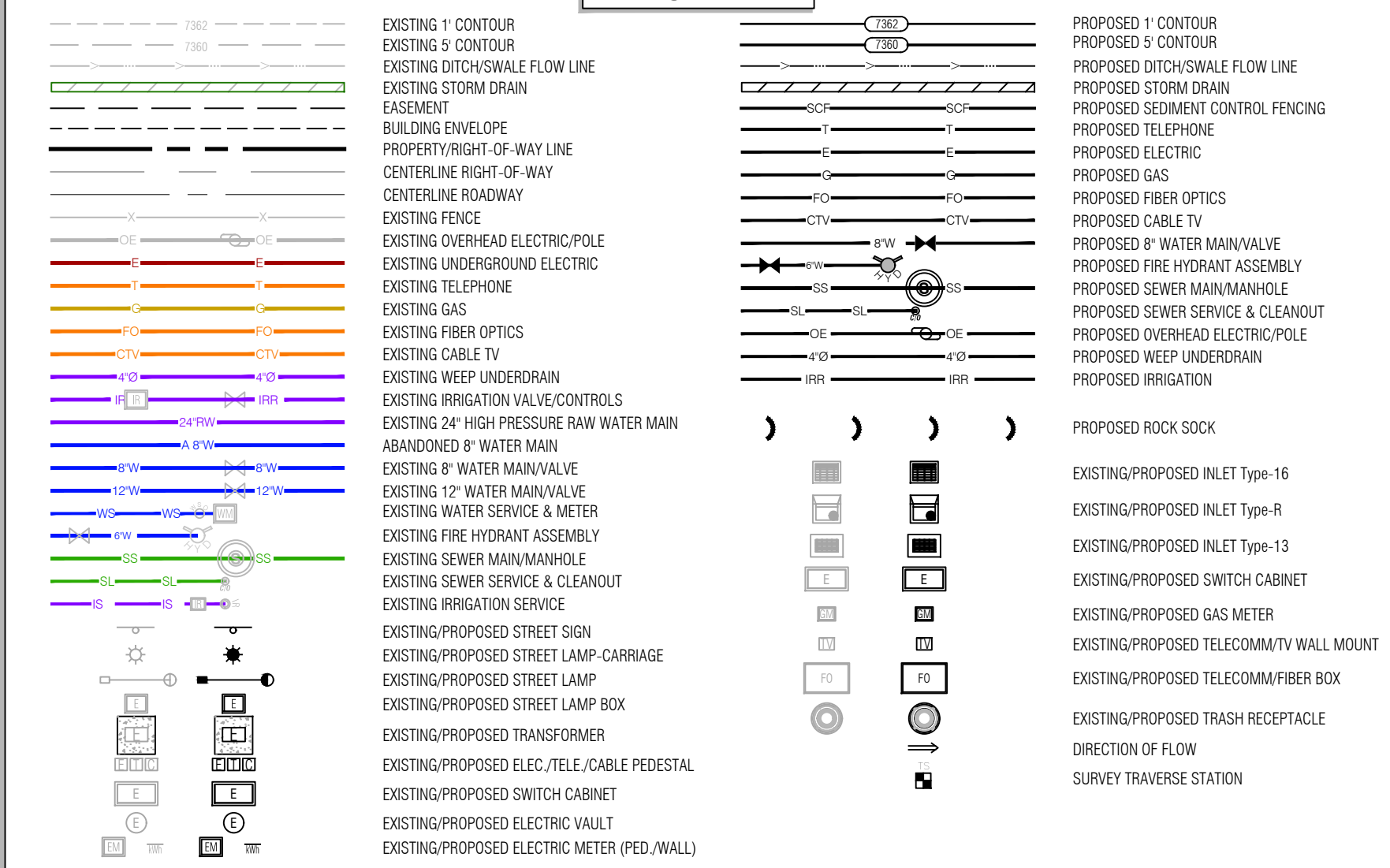
UTILITY PROVIDERS/OWNERS:

ELECTRIC:	DOUG HAZZARD	CITY ELECTRIC SYSTEM	970.384.6333
FIBER OPTICS:	ERIC ARNETTE	CITY BROADBAND	970.384.6416
WATER/SEWER:	BRADLEY ZACHMAN	CITY WVMW	970.384.6388
STORM/IRRIGATION:	TERRI PARTCH	CITY ENGINEERING	970.384.6435
STREETS:	JAKE VELASQUEZ	CITY STREETS	970.384.6379
NATURAL GAS:	JASON COX	BLACK HILLS ENERGY	970.456.3117
CABLE:	MICHAEL JOHNSON	COMCAST	970.930.4713
TELEPHONE:	JASON SHARPE	CENTURYLINK	970.384.0238

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE CLASS 8 AND CONTAIN CDOT APPROVED FIBER MESH REINFORCEMENT AT 3.5 LBS PER CUBIC YARD.
2. CONCRETE SIDEWALK THICKNESS SHALL BE 4" MIN. AND INCREASED TO 6" MIN. AT RAMPS, DRIVEWAY CROSSINGS, OR AS INDICATED ON THE DETAILS. CONCRETE PAVEMENT THICKNESS IN ROADWAYS OR ALLEYS SHALL BE PER THE DETAILS. COLOR ADMIXTURES: COLOR SAMPLES SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR SELECTION PRIOR TO CONSTRUCTION.
3. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS OR THIOCYANATES ARE NOT PERMITTED.
4. CONCRETE SHALL BE CONSTRUCTED ON COMPACTED CLASS 6 AGGREGATE BASE COURSE (95% MODIFIED STANDARD PROCTOR) OVER COMPACTED SUBGRADE (95% MODIFIED STANDARD PROCTOR). CLASS 6 AGGREGATE BASE COURSE THICKNESS SHALL BE 6" MIN. UNDER CONCRETE.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED GRADE 40 FOR #4 AND SMALLER AND GRADE 60 FOR #5 AND LARGER. ALL REINFORCING STEEL IN SLABS AND WALLS SHALL BE HELD AT CORRECT DISTANCE FROM FORMS BY ADEQUATE CONCRETE BLOCKS, STEEL CHAIRS, OR TIES IN ACCORDANCE WITH LATEST ACI DETAILING PRACTICES.
6. DOWELS SHALL BE 12" EPOXY COATED #4 REBAR OR LARGER, CENTERED ON THE JOINT, AND GROUTED INTO PLACE.
7. USE 1/4" RADIUS ON ALL EDGES UNLESS NOTED OTHERWISE.
8. JOINT LAYOUTS ARE INTENDED TO BE USED AS A STARTING POINT FOR THE JOINT LAYOUT FOR THE PROJECT. THE CONTRACTOR SHALL REVIEW THE LAYOUT AND MAKE ADJUSTMENTS AS HE DEEMS NECESSARY TO IMPROVE THE LONGEVITY OF THE CONCRETE SURFACE AND STRUCTURE.
9. EXPANSION JOINTS SHALL BE INSTALLED EVERY 90' LF IN SIDEWALK AND/OR WHEN ABUTTING EXISTING CONCRETE OR A FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2" INCH THICK AND SHALL EXTEND THE FULL DEPTH OF THE CONTACT SURFACE AND SEALED OVER THE JOINT.
10. THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER.
11. CURE FOR 72 HOURS USING CURING COMPOUND, PLASTIC COVERING OR CONTROLLED MOISTURE.
12. CONTACT INFORMATION:
- 12.a. PROJECT MANAGER:
TERRI PARTCH
CITY OF GLENWOOD SPRINGS, ENGINEERING DEPT.
970.384.6438
- 12.a. QUALITY ASSURANCE - ENGINEER OF RECORD:
DERIC J. WALTER, PE
BOUNDARIES UNLIMITED INC.
970.945.5252
- 12.b. MATERIALS TESTING - TESTING AGENT:
T.B.D. BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEERING DEPARTMENT.

LEGEND



NOTES:

THIS PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

SUBSURFACE UTILITY ENGINEERING (SUE)

THE PREPARATION OF THESE PLANS WAS SUBSTANTIALLY COMPLETE PRIOR TO THE ADOPTION OF COLORADO REVISED STATUTE 9-1.5-102 AMENDMENTS ATTACHED TO SENATE BILL 18-167. THE SUBSURFACE UTILITY ENGINEERING (SUE) LEVEL FOR THIS PLAN SET IS SIMILAR TO ASCE 38-02 STANDARD UTILITY QUALITY LEVEL "C" OR "D" FOR UNDERGROUND FACILITIES. INFORMATION HEREIN IS BASED ON MAPPING INFORMATION PROVIDED BY OTHERS, SURFACE PAINT MARKINGS PROVIDED BY 811, AND OBSERVATION OF ABOVE GROUND STRUCTURES. BOUNDARIES UNLIMITED INC. WAS NOT CONTRACTED TO PERFORM SURFACE GEOPHYSICAL METHODOLOGY OR PHYSICALLY EXPOSE ANY EXISTING SUBSURFACE UTILITIES OR STRUCTURES FOR CONFORMANCE WITH CURRENT STANDARDS. AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTEE, EXPRESSED OR IMPLIED, FOR THE LOCATION OF THE SUBSURFACE UTILITIES OR STRUCTURES DEPICTED AND DOES NOT AUTHORIZE THIS PLAN SET FOR CONSTRUCTION. THE CLIENT MUST OBTAIN THE APPROPRIATE SUE MAPPING FOR CONFIRMATION AND/OR ADJUSTMENT OF THIS DESIGN PRIOR TO ANY CONSTRUCTION.

Boundaries Unlimited Inc.

Civil Engineering
Surveying
& Beyond

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(770) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: Yes

If "Yes": SUE Certification by:
Firm: T.B.D.
Job #: T.B.D.
Date: T.B.D.

Engineer or Surveyor Seal

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

811

Know what's below.
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GWS Alley Block 45 Improvements Project
Cover Sheet
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

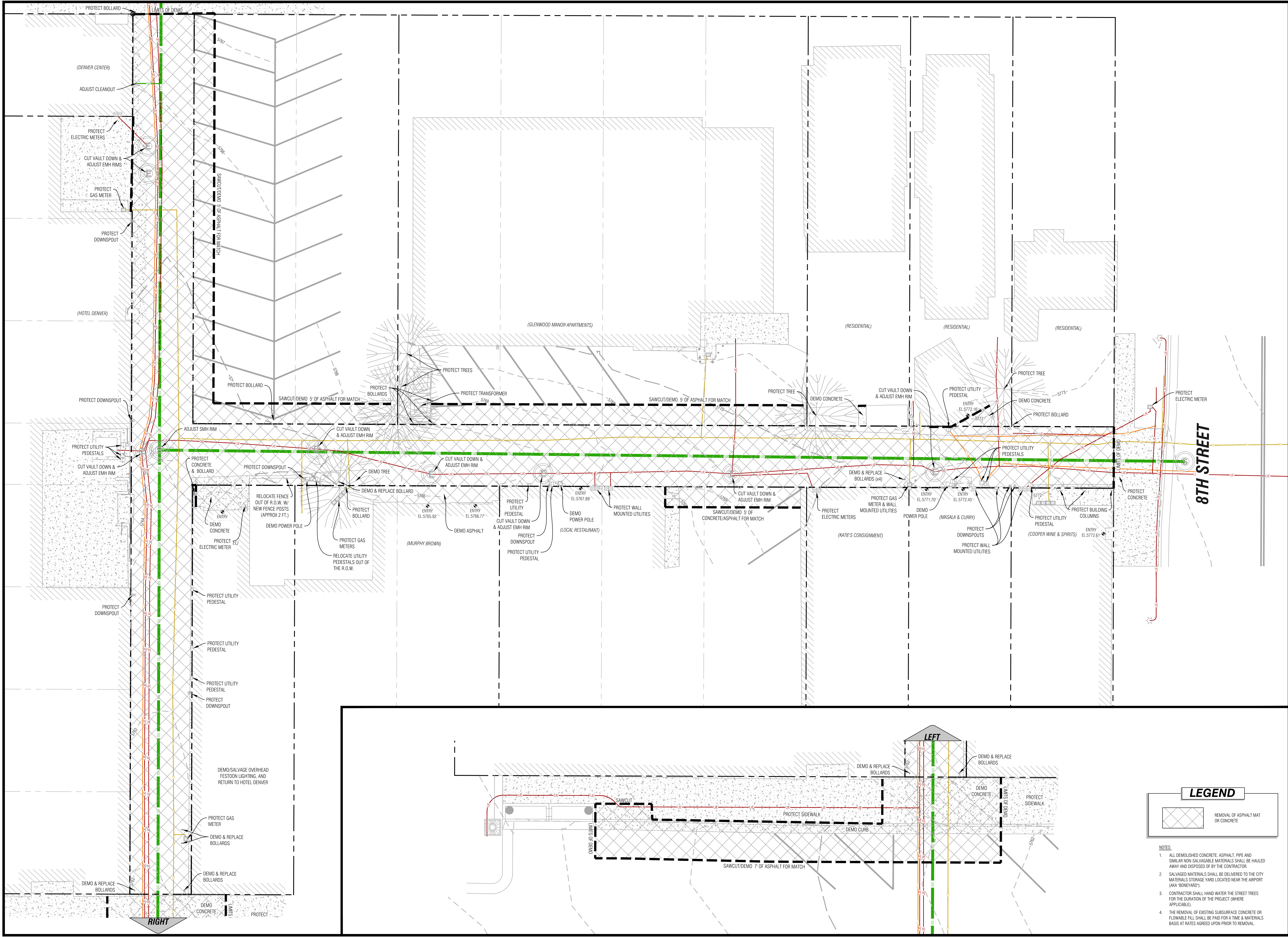
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PROJECT NO. 17009
Designer: DJW
Checker: BU
Date: 5/28/19

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Glenwood Springs, CO 81601
(T) 970.945.5252
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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

0 10' 20'

NORTH

Scale: 1" = 10'

811

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GWS Alley Block 45 Improvements Project

Demolition Plan

95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

By

Revision

Date

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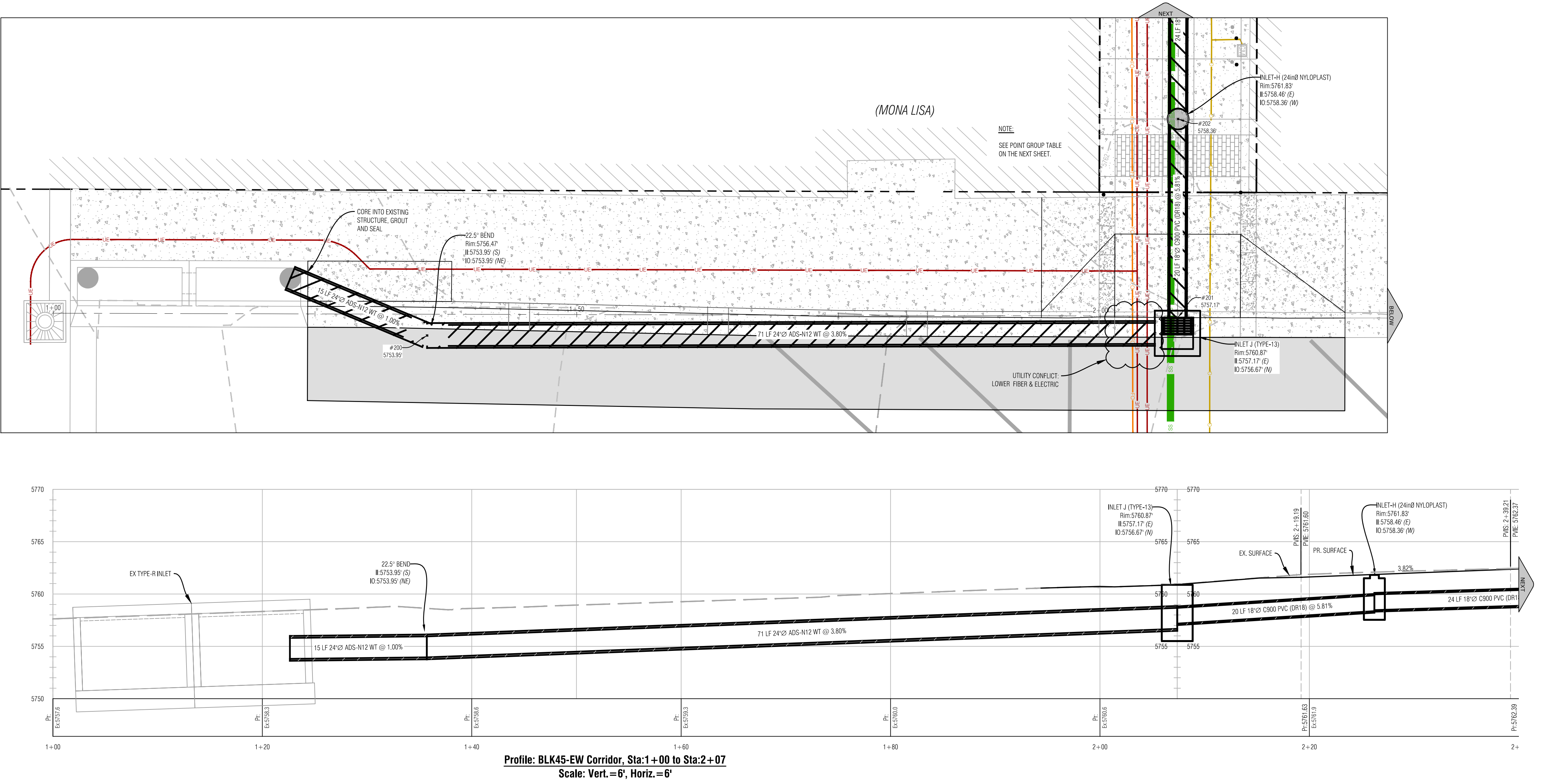
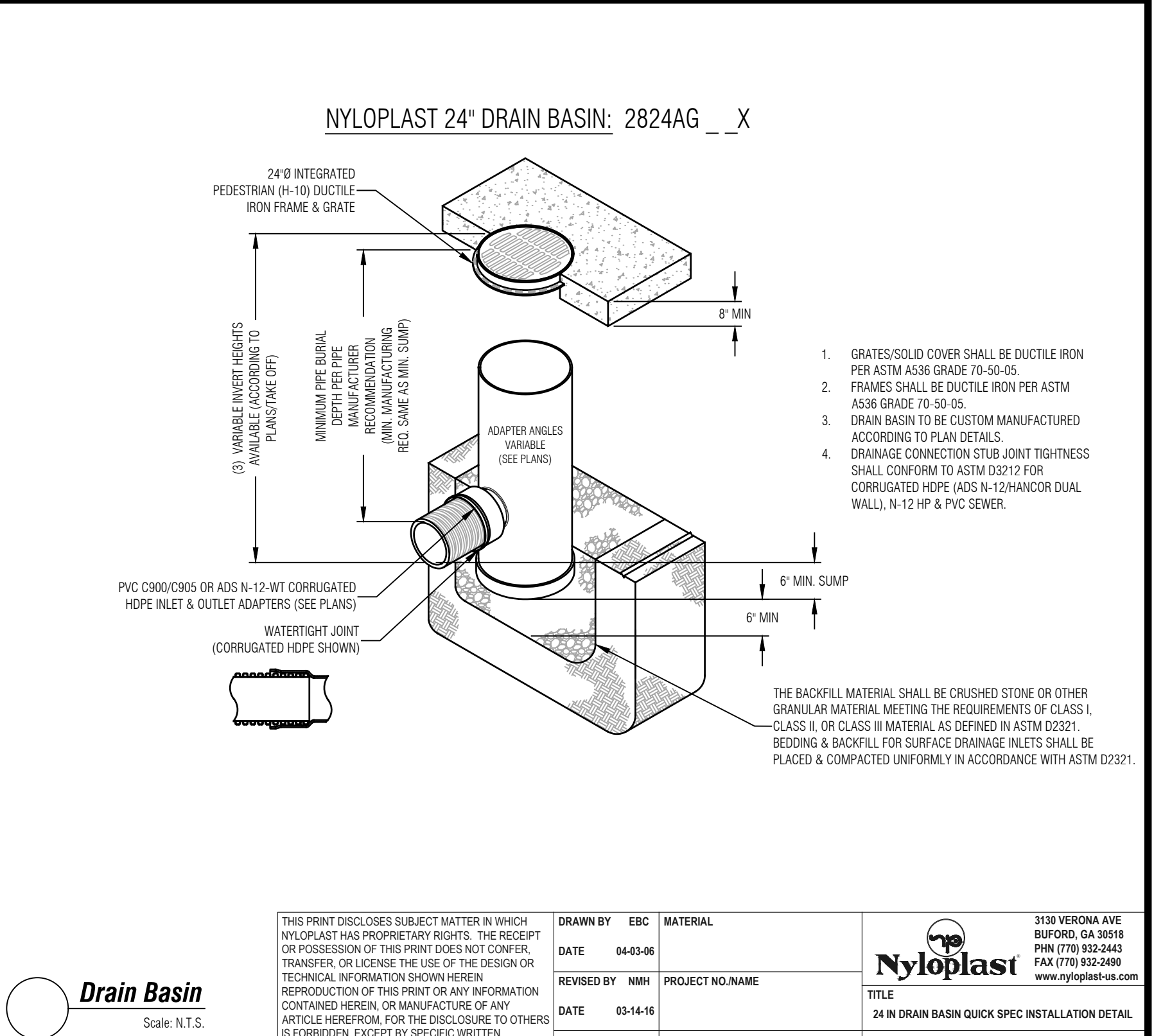
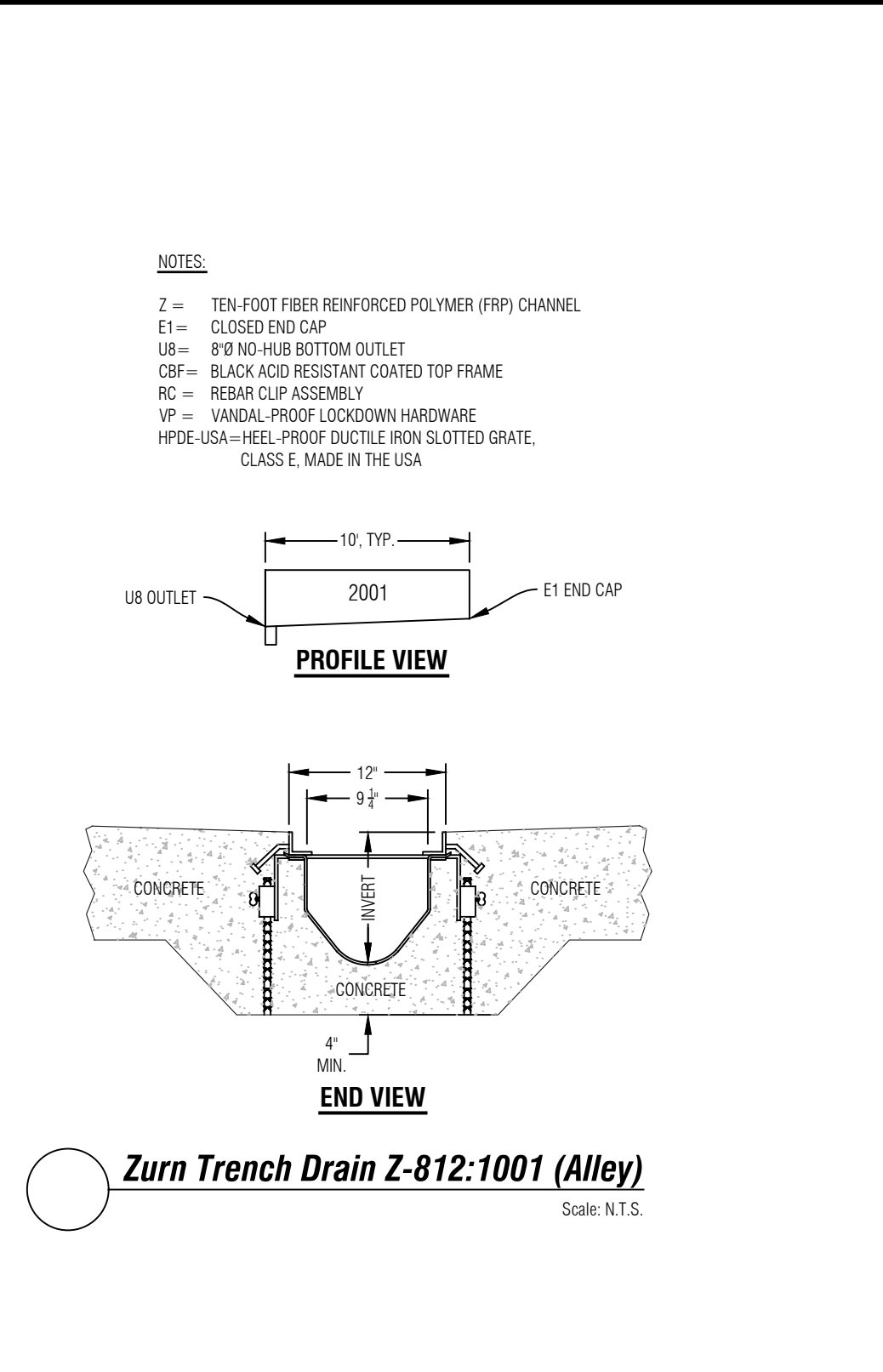
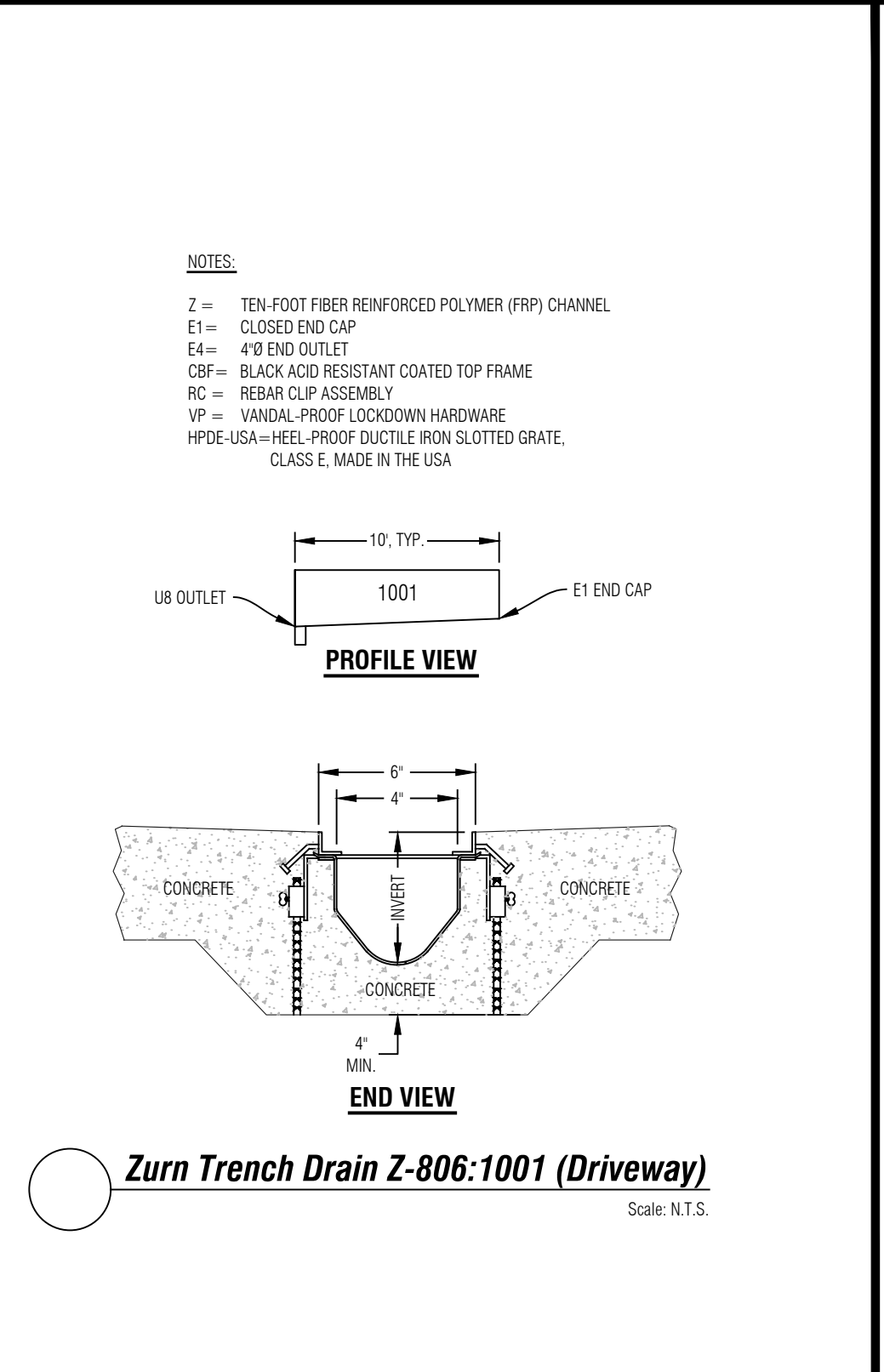
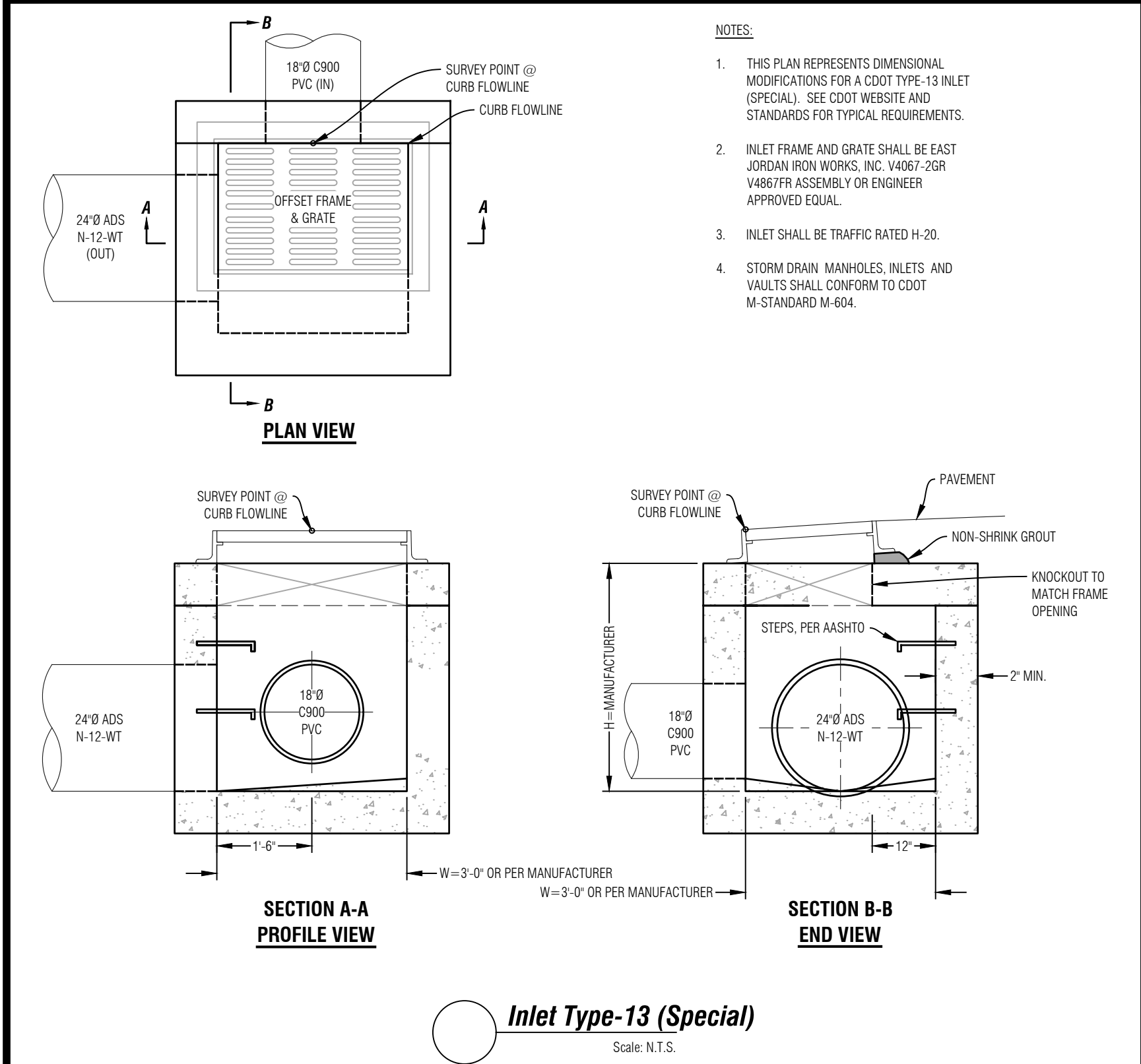
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17009
Designer:
DJW
Checker:
BU
Date:
5/28/19

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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

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Know what's below.
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GWS Alley Block 45 Improvements Project
Storm Sewer Plan
95% Design Plan Set (Not For Construction)

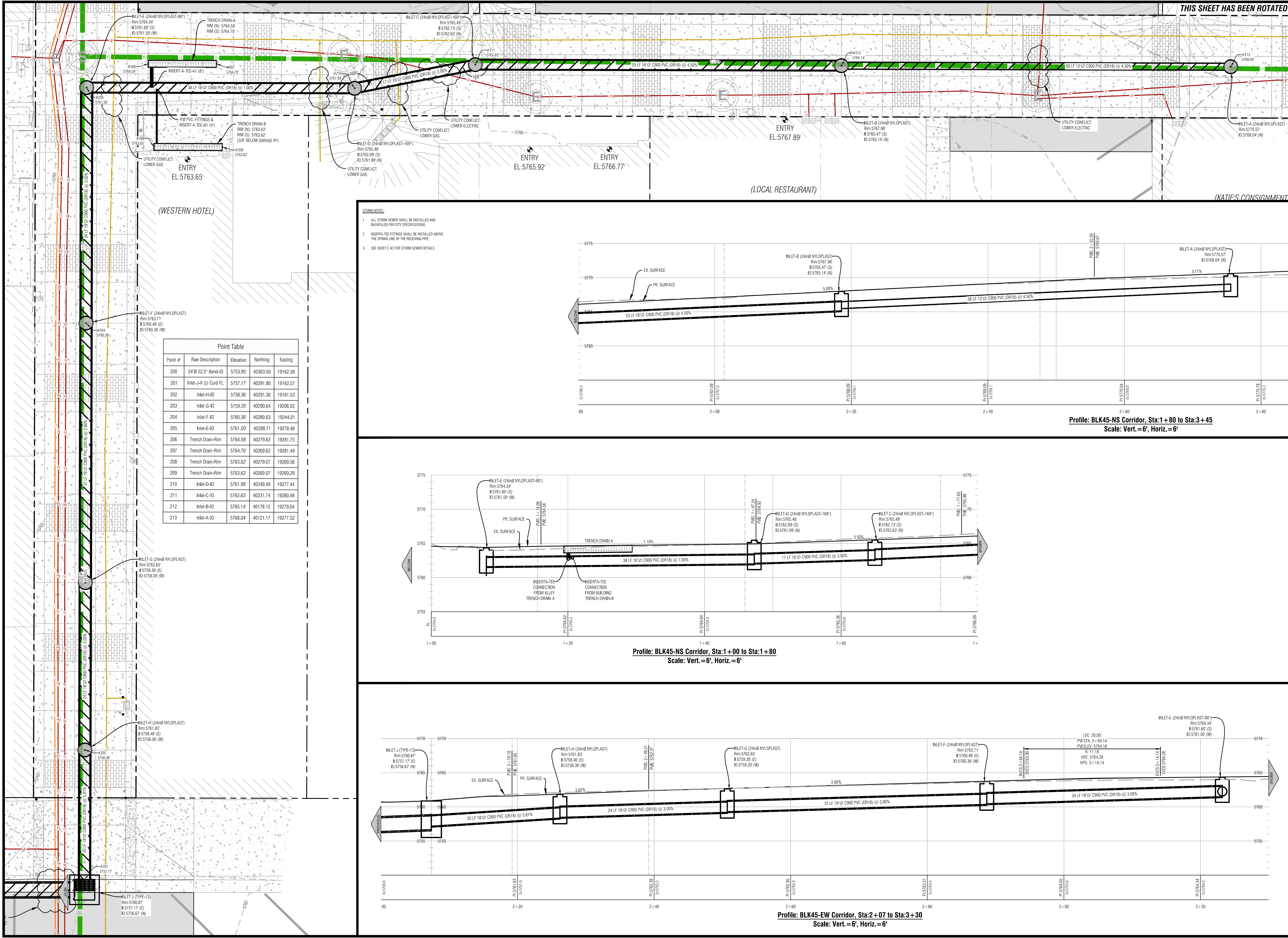
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Checker: **BUJ**
Date: **6/28/19**

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Boudaries Unlimited Inc.

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Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes": SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION
Bid Set

Client Information:
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GLENWOOD SPRINGS, CO 81601
970.384.6446

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GWS Alley Block 45 Improvements Project
Storm Sewer Plan
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

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PROJECT NO.
17009

Designer:
DJW
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BU
Date:
5/28/19

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Engineer or Surveyor Seal

A circular seal with a double-lined border. The words "NOT FOR" are at the top and "CONSTRUCTION" is at the bottom, separated by two stars on each side. In the center, the words "Bid Set" are written in a large, bold, sans-serif font.

GWS Alley Block 45 Improvements Project
Utility Plan
95% Design Plan Set (Not For Construction)

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PROJECT NO.
17009

Designer:
D.W

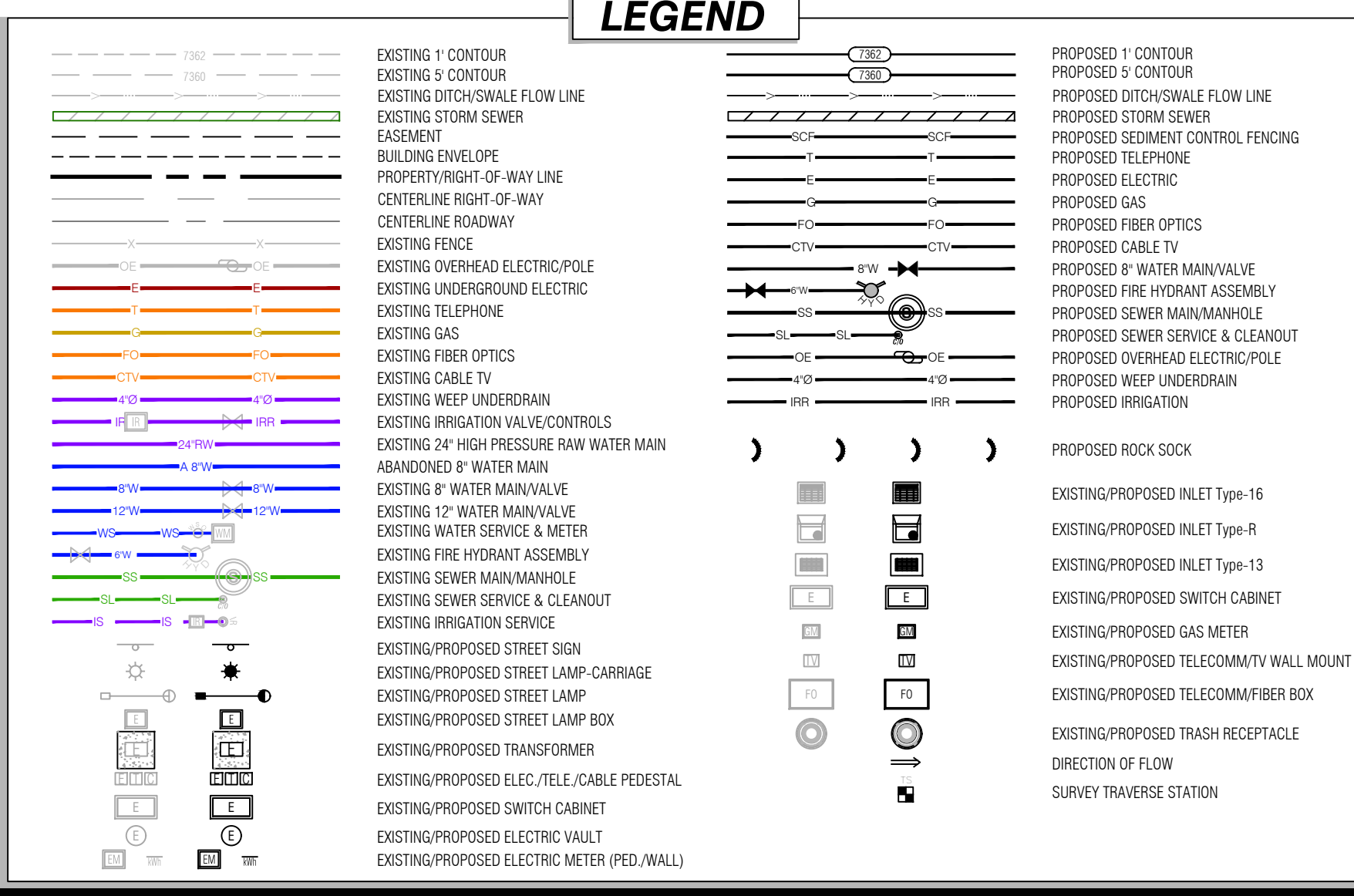
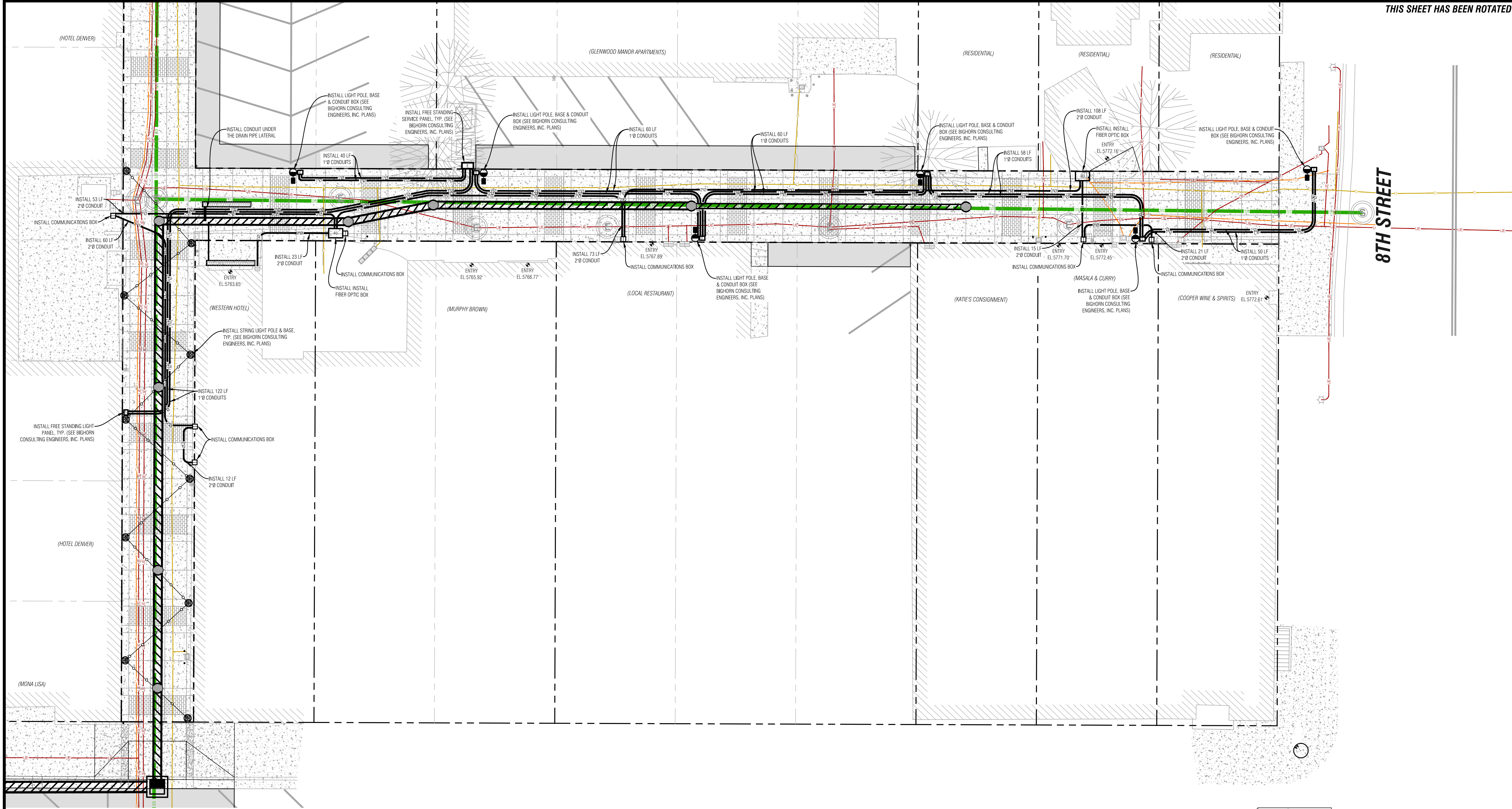
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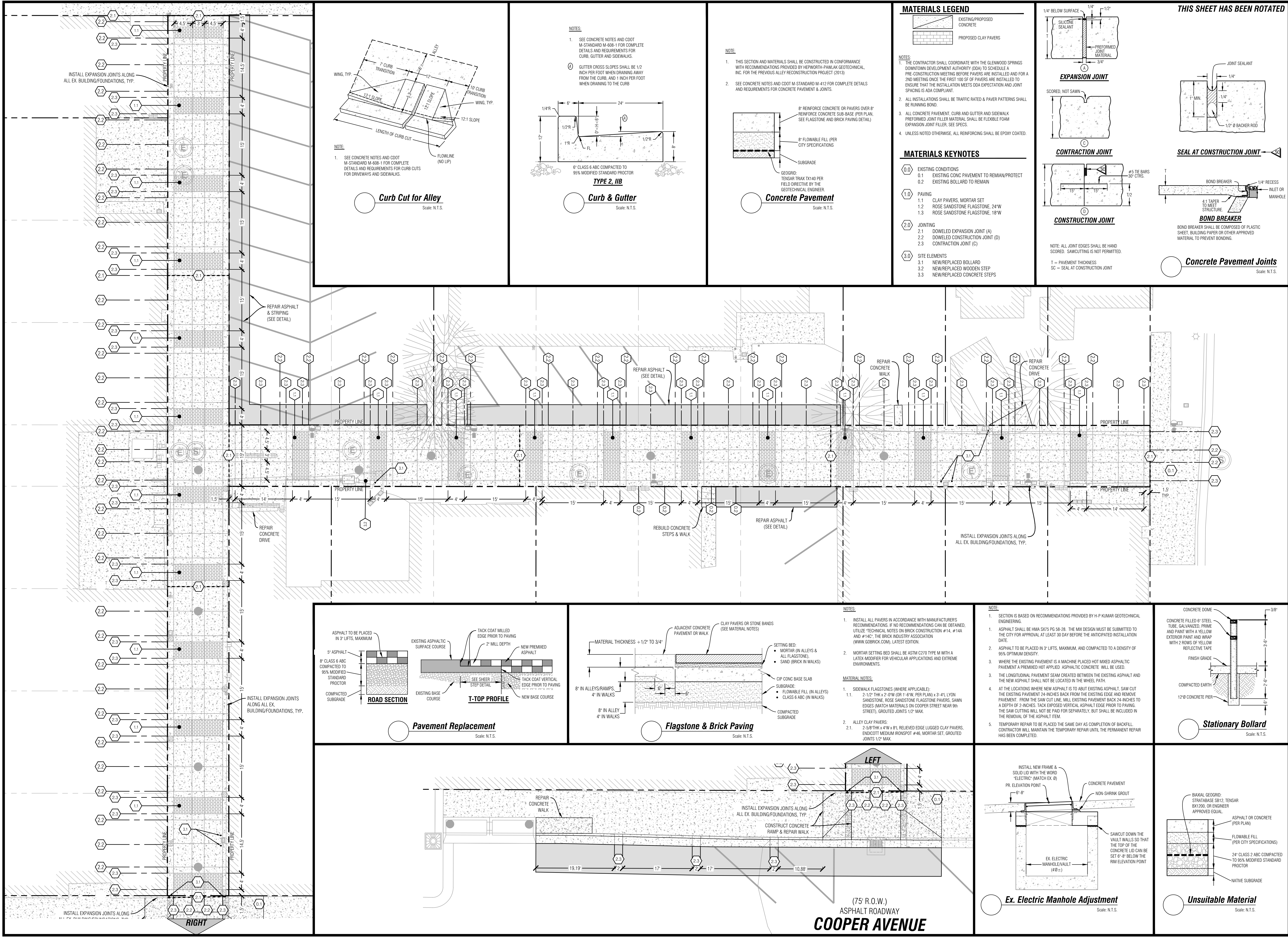
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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes": SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION

Client Information:
GWS DDA
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GWS Alley Block 45 Improvements Project
Site Plan
95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

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PROJECT NO. **17009**
Designer: **DJW**
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Date: **5/28/19**

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GRADING NOTES:

1. SEE SITE PLAN FOR DETAILS.
2. THE CONTRACTOR SHALL COORDINATE WITH THE GLENWOOD SPRINGS DOWNTOWN DEVELOPMENT AUTHORITY (DDA) TO SCHEDULE A PRE-CONSTRUCTION MEETING BEFORE PAVERS ARE INSTALLED AND FOR 4 AND 2ND MEETING ONCE THE FIRST 100 SF OF PAVERS ARE INSTALLED TO ENSURE THAT THE INSTALLATION MEETS DDA EXPECTATION AND JOINT SPACING IS ADA COMPLIANT.
3. ALL INSTALLATIONS SHALL BE TRAFFIC RATED & PAVER PATTERNS SHALL BE RUNNING BOND WITH THE DIRECTION OF TRAFFIC.
4. ALL CONCRETE PAVEMENT, CURB AND GUTTER AND SIDEWALK PREFORMED JOINT FILLER MATERIAL SHALL BE FLEXIBLE FOAM EXPANSION JOINT FILLER, SEE SPECS.
5. UNLESS NOTED OTHERWISE, ALL REINFORCING SHALL BE EPOXY COATED.

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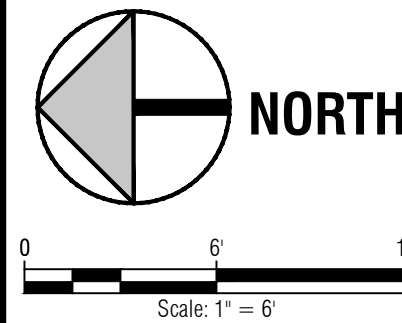
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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal



Client Information:
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GLENWOOD SPRINGS, CO 81601
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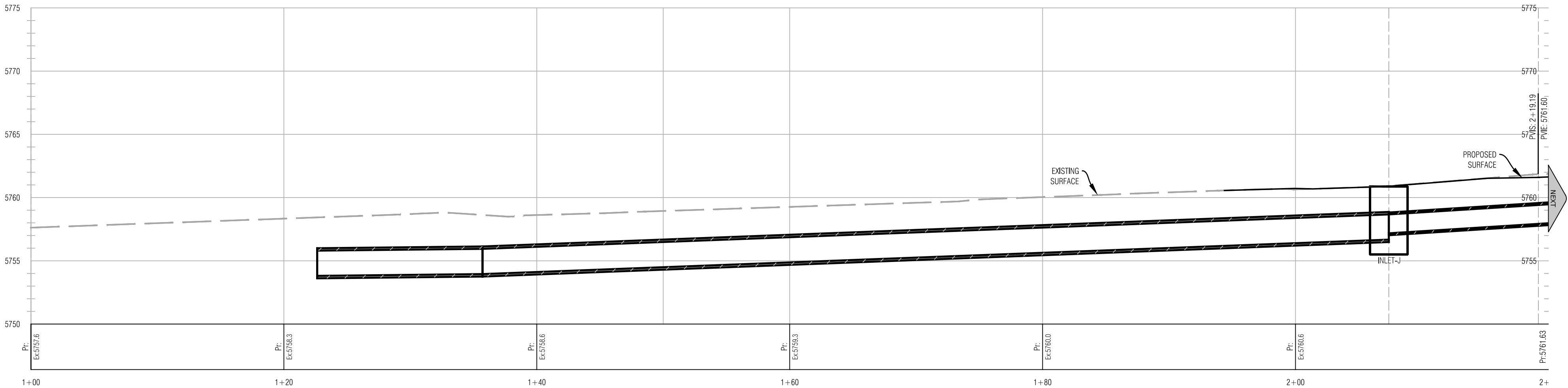
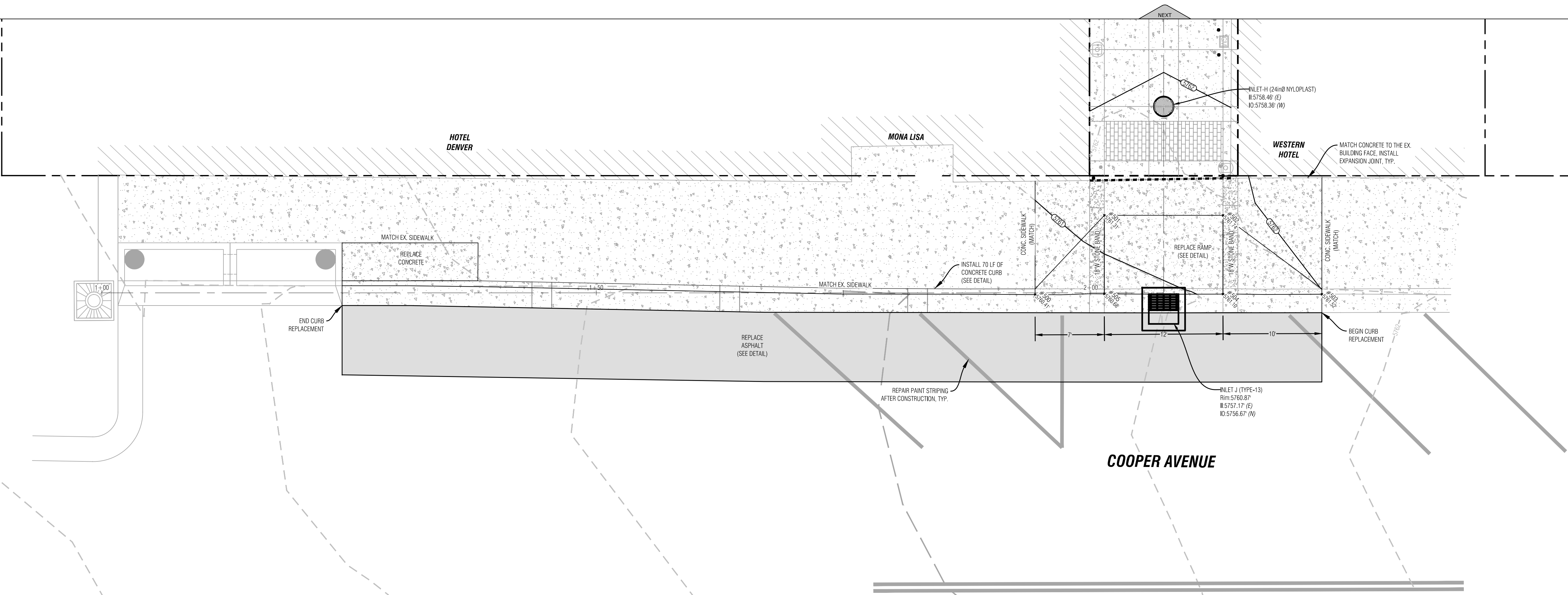
GWS Alley Block 45 Improvements Project
Grading Plan - Cooper Avenue
95% Design Plan Set (Not For Construction)

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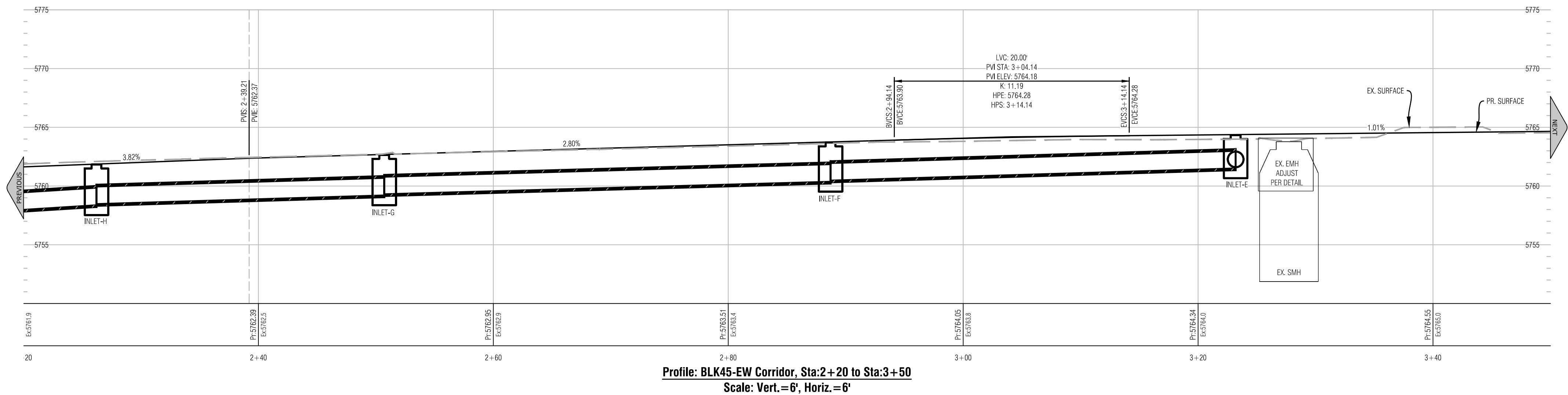
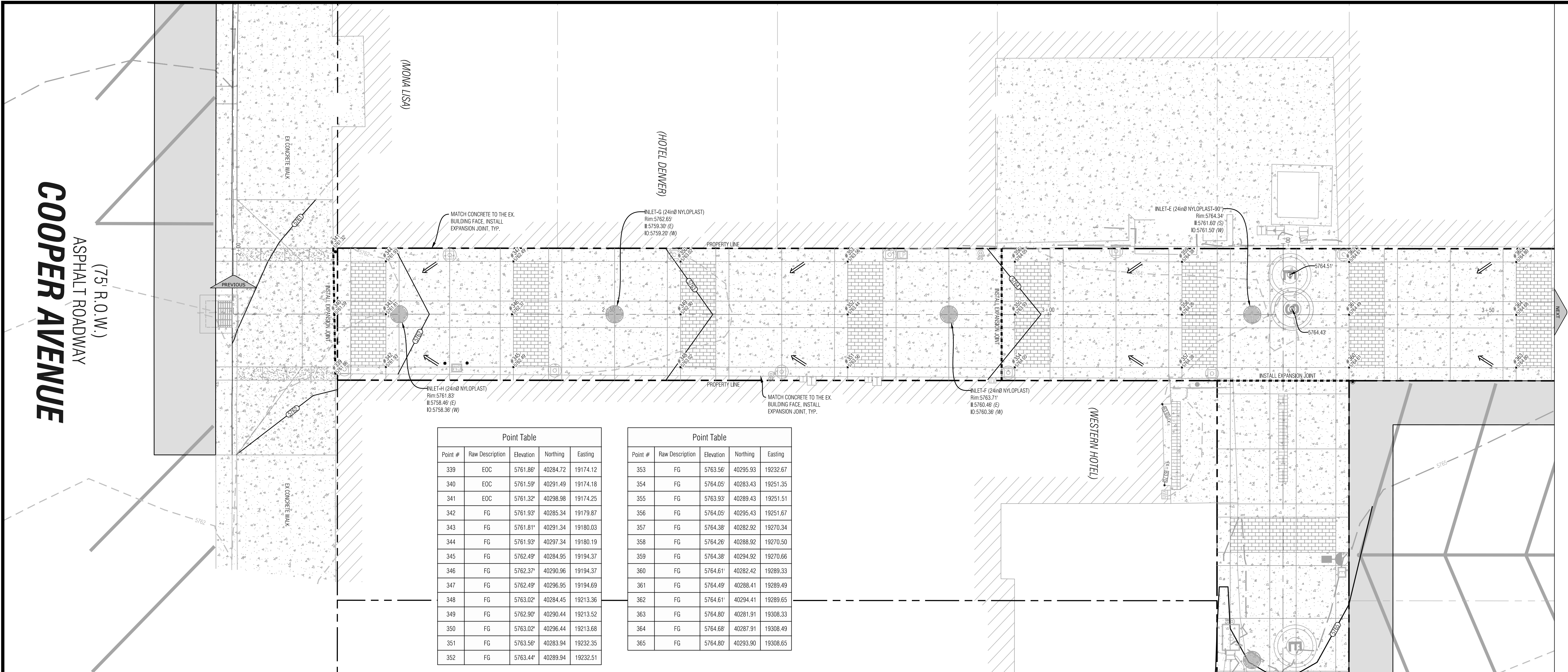
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17009
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5/28/19

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Profile: BLK45-EW Corridor, Sta:1+00 to Sta:2+20
Scale: Vert.=6', Horiz.=6'



Profile: BLK45-EW Corridor, Sta:2+20 to Sta:3+50
Scale: Vert. = 6', Horiz. = 6'

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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
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Bid Set

Client Information:

GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

NORTH

811

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GWS Alley Block 45 Improvements Project

Grading Plan - EW Corridor - Sta. 2 + 20 To 3 + 50

95% Design Plan Set (Not For Construction)

By

Revision

Date

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PROJECT NO.
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Designer:
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Date:
5/28/19

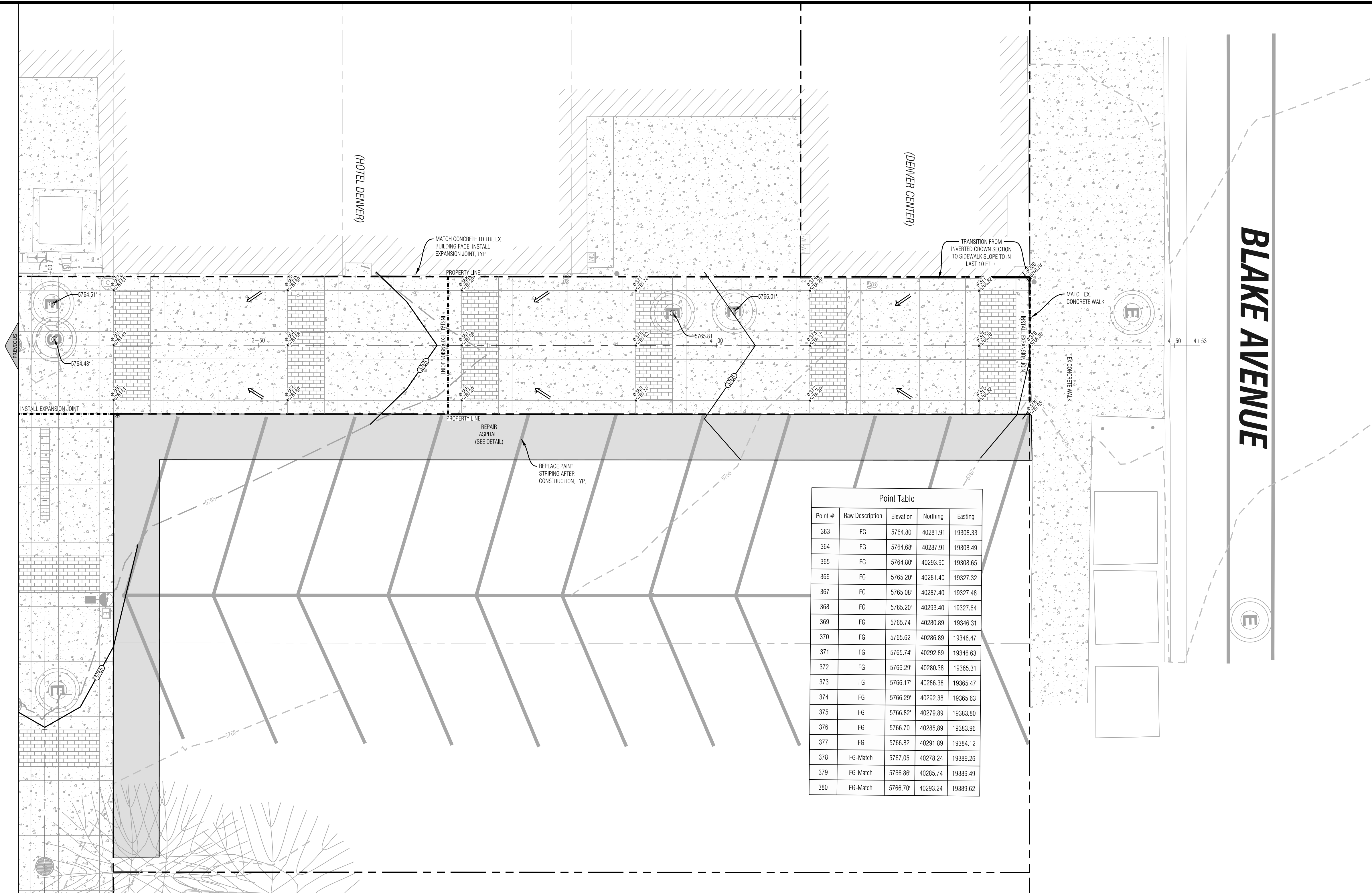
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Profile: BLK45-EW Corridor, Sta: 3+50 to Sta: 4+53
Scale: Vert. = 6'; Horiz. = 6'

Civil Engineering
Surveying
& Beyond

Boundaries Unlimited Inc.

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Glenwood Springs, CO 81601
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Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION
Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

NORTH

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GLENWOOD SPRINGS, CO

GWS Alley Block 45 Improvements Project
Grading Plan - EW Corridor - Sta. 3+50 To End
95% Design Plan Set (Not For Construction)

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PROJECT NO.
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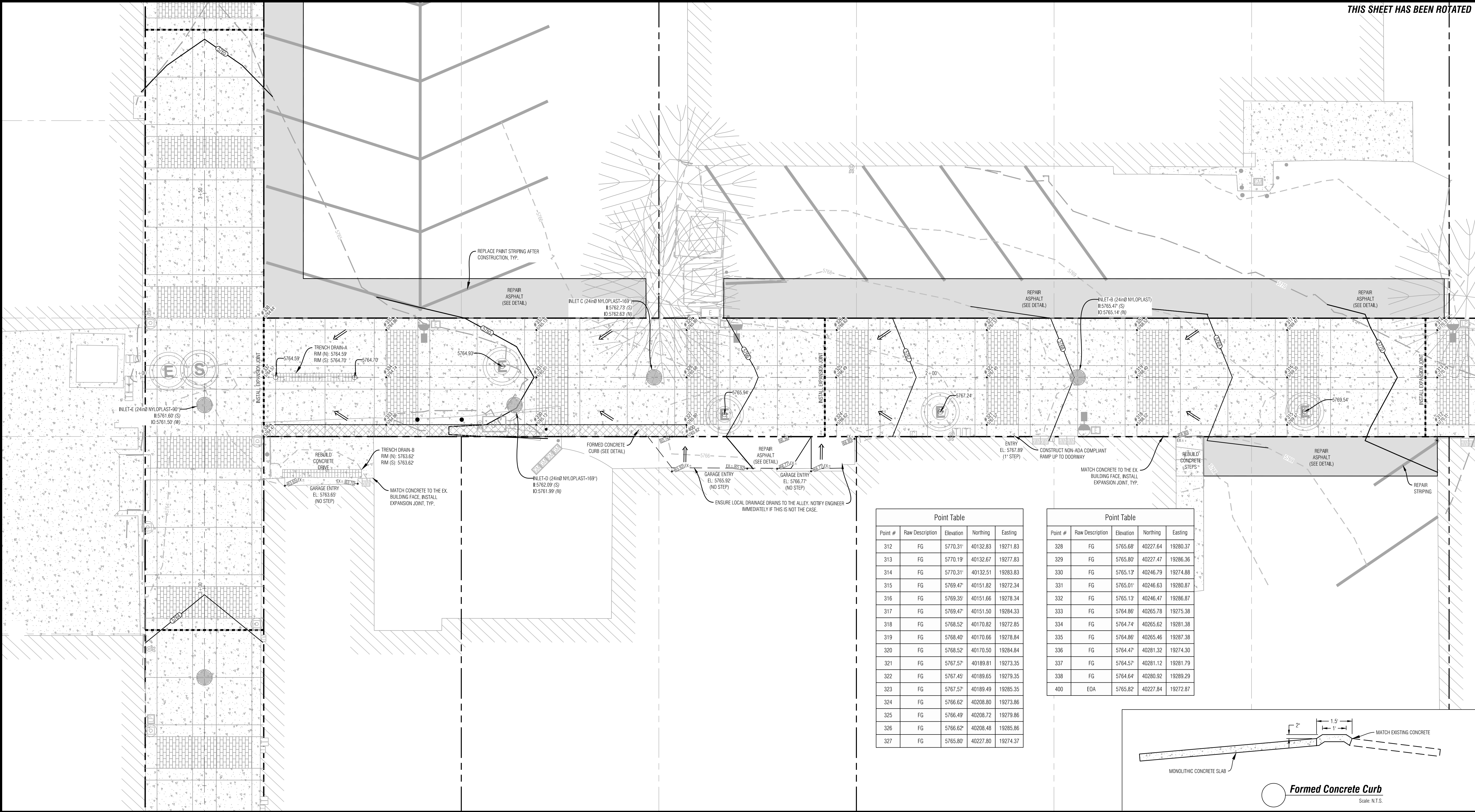
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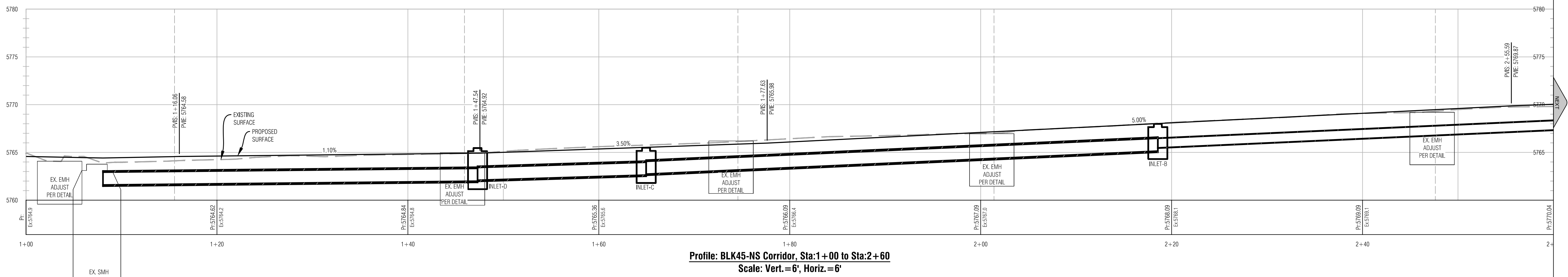
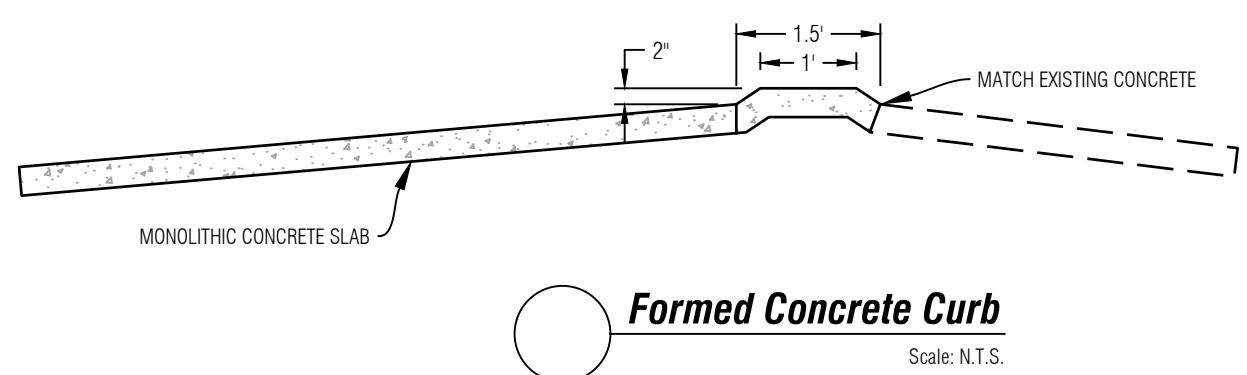
Packet Page 145

THIS SHEET HAS BEEN ROTATED



Point Table				
Point #	Raw Description	Elevation	Northing	Easting
312	FG	5770.31'	40132.83	19271.83
313	FG	5770.19'	40132.67	19277.83
314	FG	5770.31'	40132.51	19283.83
315	FG	5769.47'	40151.82	19272.34
316	FG	5769.35'	40151.66	19278.34
317	FG	5769.47'	40151.50	19284.33
318	FG	5768.52'	40170.82	19272.85
319	FG	5768.40'	40170.66	19278.84
320	FG	5768.52'	40170.50	19284.84
321	FG	5767.57'	40189.81	19273.35
322	FG	5767.45'	40189.65	19279.35
323	FG	5767.57'	40189.49	19285.35
324	FG	5766.62'	40208.80	19273.86
325	FG	5766.49'	40208.72	19279.86
326	FG	5766.62'	40208.48	19285.86
327	FG	5765.80'	40227.80	19274.37

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
328	FG	5765.68'	40227.64	19280.37
329	FG	5765.80'	40227.47	19286.36
330	FG	5765.13'	40246.79	19274.88
331	FG	5765.01'	40246.63	19280.87
332	FG	5765.13'	40246.47	19286.87
333	FG	5764.86'	40265.78	19275.38
334	FG	5764.74'	40265.62	19281.38
335	FG	5764.86'	40265.46	19287.38
336	FG	5764.47'	40281.32	19274.30
337	FG	5764.57'	40281.12	19281.79
338	FG	5764.64'	40280.92	19289.29
400	EOA	5765.82'	40227.84	19272.87



Civil Engineering
Surveying
& Beyond

Boudaries Unlimited Inc.

923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: Yes
If "Yes", SUE Certification by:
Firm: T.B.D.
Job #: T.B.D.
Date: T.B.D.

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS DDA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

0 6 12
Scale: 1" = 6'

811

Know what's below.
Call before you dig.

GWS Alley Block 45 Improvements Project

Grading Plan - NS Corridor - Sta. 1+00 To 2+60

95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

17009

PROJECT NO.

17009

Designer:

DJW

Checker:

BUJ

Date:

8/28/19

File Name:

17009-c-topo-blk45.dwg

No.

1

2

3

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Revision

Date

By

1

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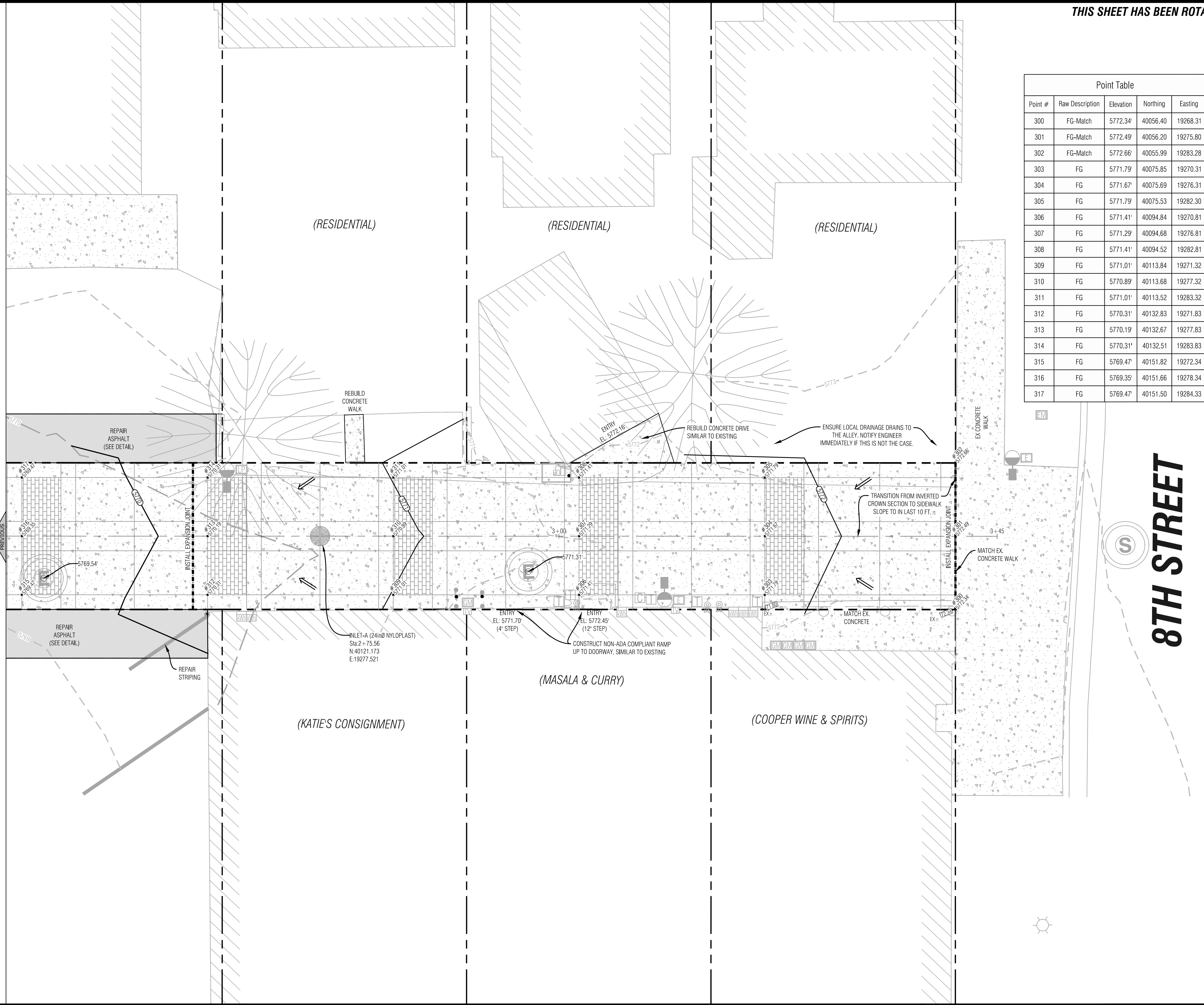
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Packet Page 146

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Point Table				
Point #	Raw Description	Elevation	Northing	Easting
300	FG-Match	5772.34'	40056.40	19268.31
301	FG-Match	5772.49'	40056.20	19275.80
302	FG-Match	5772.66'	40055.99	19283.28
303	FG	5771.79'	40075.85	19270.31
304	FG	5771.67'	40075.69	19276.31
305	FG	5771.79'	40075.53	19282.30
306	FG	5771.41'	40094.84	19270.81
307	FG	5771.29'	40094.68	19276.81
308	FG	5771.41'	40094.52	19282.81
309	FG	5771.01'	40113.84	19271.32
310	FG	5770.89'	40113.68	19277.32
311	FG	5771.01'	40113.52	19283.32
312	FG	5770.31'	40132.83	19271.83
313	FG	5770.19'	40132.67	19277.83
314	FG	5770.31'	40132.51	19283.83
315	FG	5769.47'	40151.82	19272.34
316	FG	5769.35'	40151.66	19278.34
317	FG	5769.47'	40151.50	19284.33

Civil Engineering
Surveying
& Beyond

Bondaries Unlimited Inc.

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Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **Yes**
If "Yes", SUE Certification by:
Firm: **T.B.D.**
Job #: **T.B.D.**
Date: **T.B.D.**

Engineer or Surveyor Seal

NOT FOR
CONSTRUCTION

Bid Set

Client Information:
GWS ODA
101 W. 8TH STREET
GLENWOOD SPRINGS, CO 81601
970.384.6446

0

6

12

NORTH

Scale: 1" = 6'

811

Know what's below.
Call before you dig.

GWS Alley Block 45 Improvements Project

Grading Plan - NS Corridor - Sta. 2 + 50 To End

95% Design Plan Set (Not For Construction)

GLENWOOD SPRINGS, CO

By

Revision

Date

No.

1

2

3

4

5

6

7

8

9

PROJECT NO.
17009

Designer:
DJW

Checker:
BU

Date:
5/28/19

Sheet
C.11C

File Name: **17009-c-topo-blk45.dwg**

Packet Page 147

GENERAL LIGHTING NOTES:

- LUMINAIRES:
 - COORDINATE THE LOCATION OF LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, POLES, CONTROLS, TRANSFORMERS WITH THE ARCHITECTURAL, DRAWINGS AND ALL OTHER TRADES AS REQUIRED.
 - VERIFY LUMINAIRE MOUNTING REQUIREMENTS OF ALL FIXTURES, POLES AND OTHER EQUIPMENT PRIOR TO ORDERING.
 - ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING PROVIDED.
 - THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH ARCHITECTS AND ENGINEERS AS EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL CONTRACTOR AND ELECTRICAL ENGINEER.
- LIGHTING CONTROLS:
 - ALL LIGHTS SHALL BE CONTROLLED WITH A PHOTOCELL OR TIME CLOCK PER THE CITY REQUIREMENTS AND CODES.
- GENERAL NOTES:
 - FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.
- WIRING:
 - ALL WIRE IS TO BE #12 UNLESS NOTED OTHERWISE.
 - ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.
 - ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC AND ALL APPLICABLE LOCAL CODES.
 - ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING. FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.

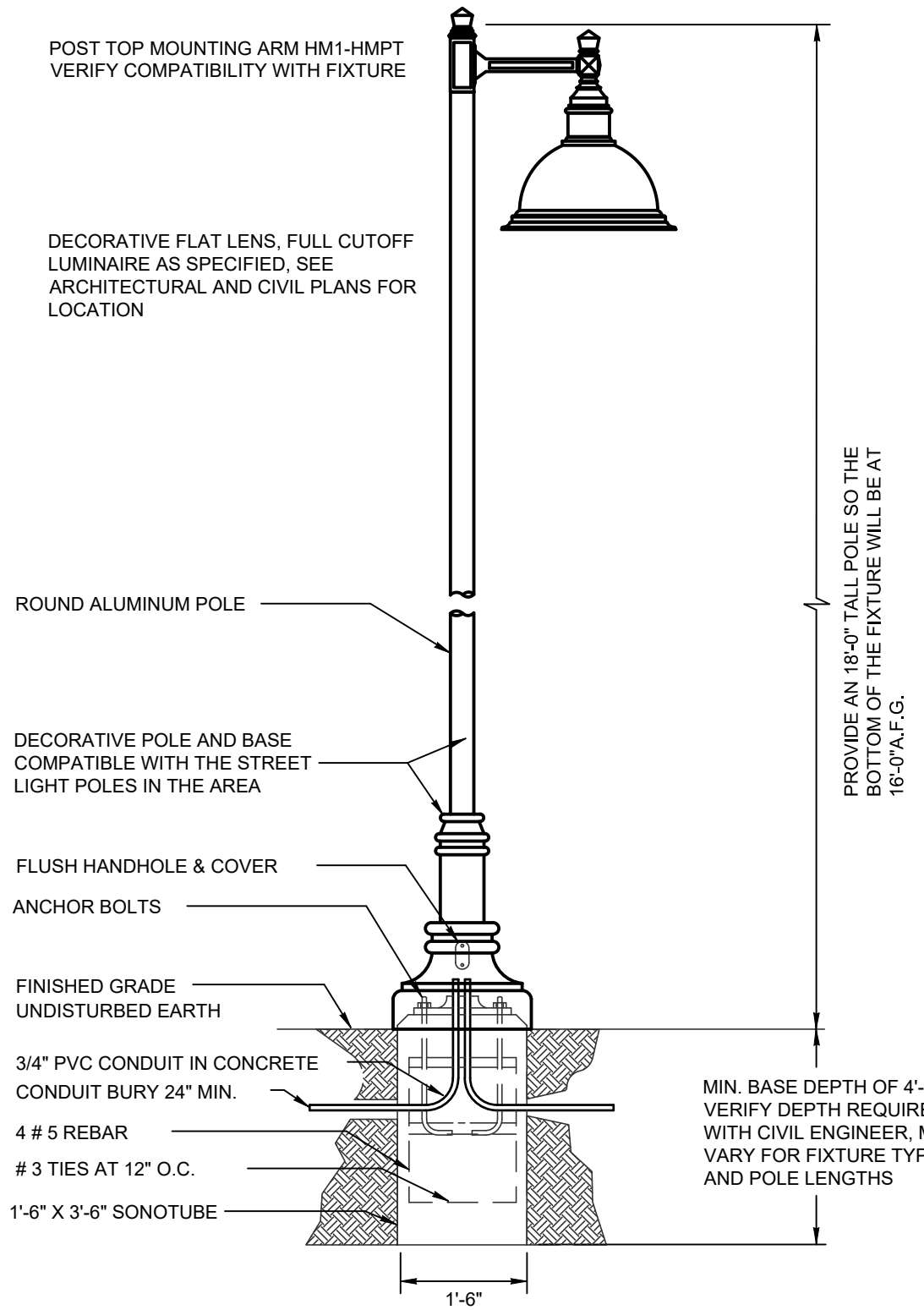
LIGHTING LEGEND

- NOTES:
SYMBOLS SHOWN ARE STANDARD, VARIATION AND/OR COMBINATIONS MAY BE USED ON THE PLANS.
- THIS LIST SHOWS STANDARD SYMBOLS. ALL SYMBOLS MAY NOT APPEAR ON THE PROJECT DRAWINGS. ALL SYMBOLS ON THE DRAWINGS MAY NOT APPEAR ON THIS LIST. HOWEVER, WHEREVER THE SYMBOL ON THE PROJECT DRAWINGS OCCUR, THE ITEM SHALL BE PROVIDED AND INSTALLED.
- AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS.
- ELECTRICAL EQUIPMENT
- LA-7 BRANCH CIRCUIT PANELBOARD
 - CIRCUITRY HOMERUN: PANEL LA - CIR. #7
 - CONDUIT OR WIRE CONCEALED IN WALL/CL.G.
 - CONDUIT OR WIRE UNDERFLOOR/UNDERGND.
 - WALL JUNCTION BOX - SURFACE/FLUSH
 - POLE FIXTURE TO SUPPORT POWERSPAN CABLING
- ABBREVIATIONS
- DRAWING KEYED NOTE
 - NL NIGHT/SECURITY LIGHT - DO NOT SWITCH
 - WP WEATHERPROOF
 - A.F.G. ABOVE FINISHED GRADE
 - GFCI GROUND FAULT CIRCUIT INTERRUPTER
 - EM EMERGENCY FUNCTION
 - 44" MOUNTING HEIGHT - A.F.F. OR A.F.G. TO C.L. HIGH

SITE LIGHTING LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER CATALOG NO.	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	DESCRIPTION
SC1	TEGAN LIGHTING KORE-EXS-K-C-GEF-BLK HM1-HMPT ARM, TEGAN POWER SUPPLY & DRIVER	APPROVED EQUIVALENT	120V POWER SPAN DIRECT MOUNT CABLE	LED REMOTE DIMMING POWER SUPPLY, 6W, 199LM, 3500K, 90CRI	EXTRON POWERSPAN PENDANT, CABLE MOUNT, G GLASS ENVELOPE FROSTED GLASS BULB, BLACK FINISH, DIMMABLE. 110" MAX CABLE LENGTH, MOUNT LAMPS 4'-0" APART.
SP1	STERNBERG LIGHTING 1A-1521LED5M-F-12L-30-T2-MDLO08-FG--U-GUM	APPROVED EQUIVALENT	120V POLE ARM MOUNTED	LED 8mA 0-10V DIMMING DRIVER, 27W, 3049LM, 70CRI,	OMEGA SERIES, ARM MOUNTED FIXTURE, FLARED EDGE, TYPE T2 DISTRIBUTION, GUM METAL MATTE FINISH, POLE AND BASE COMPATIBLE WITH FIXTURE AND ARM

- NOTES:
- ALL CABLE MOUNTED LIGHTS IN THE ALLEYS ARE TYPE SC1. ALL POLE MOUNTED LIGHTS ARE TYPE SP1 UNLESS OTHERWISE NOTED.
 - THE ELECTRICAL CONTRACTOR IS TO ORDER ALL HARDWARE AND COMPONENTS NECESSARY FOR A FULL AND COMPLETE INSTALLATION AND MOUNTING OF ALL LUMINAIRE.
 - ALL POLES TO BE STRAIGHT POLE, COLOR TO MATCH LUMINAIRES. POLE SHAFT WILL BE RATED FOR WIND GUSTS OF 100 MILES/HOUR.
 - ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL MUNICIPAL ZONING & DEVELOPMENT CODES, LIGHT TRESPASS AND DARK SKY INITIATIVES.
 - ALL EXTERIOR LIGHTS ARE TO BE CONTROLLED THRU AN AUTOMATIC CONTROL SYSTEM FOR ALL NIGHT OPERATION AND DIMMING.
 - NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.
 - ORDER ALL EXTERIOR LUMINAIRES WITH MULTI-TAP BALLAST AND FIELD VERIFY AVAILABLE VOLTAGE FOR EACH LUMINAIRE PRIOR TO INSTALLATION.

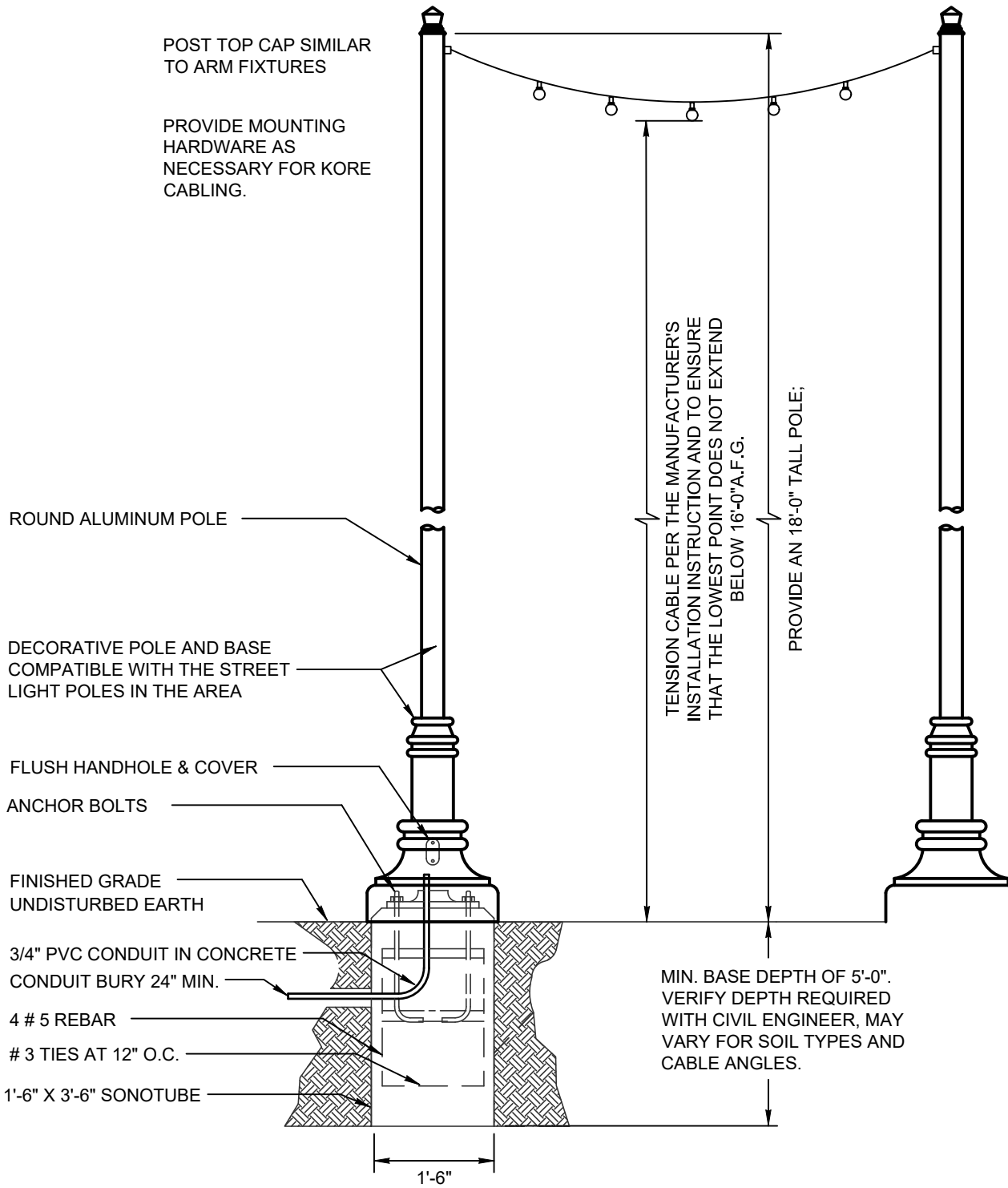


LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE

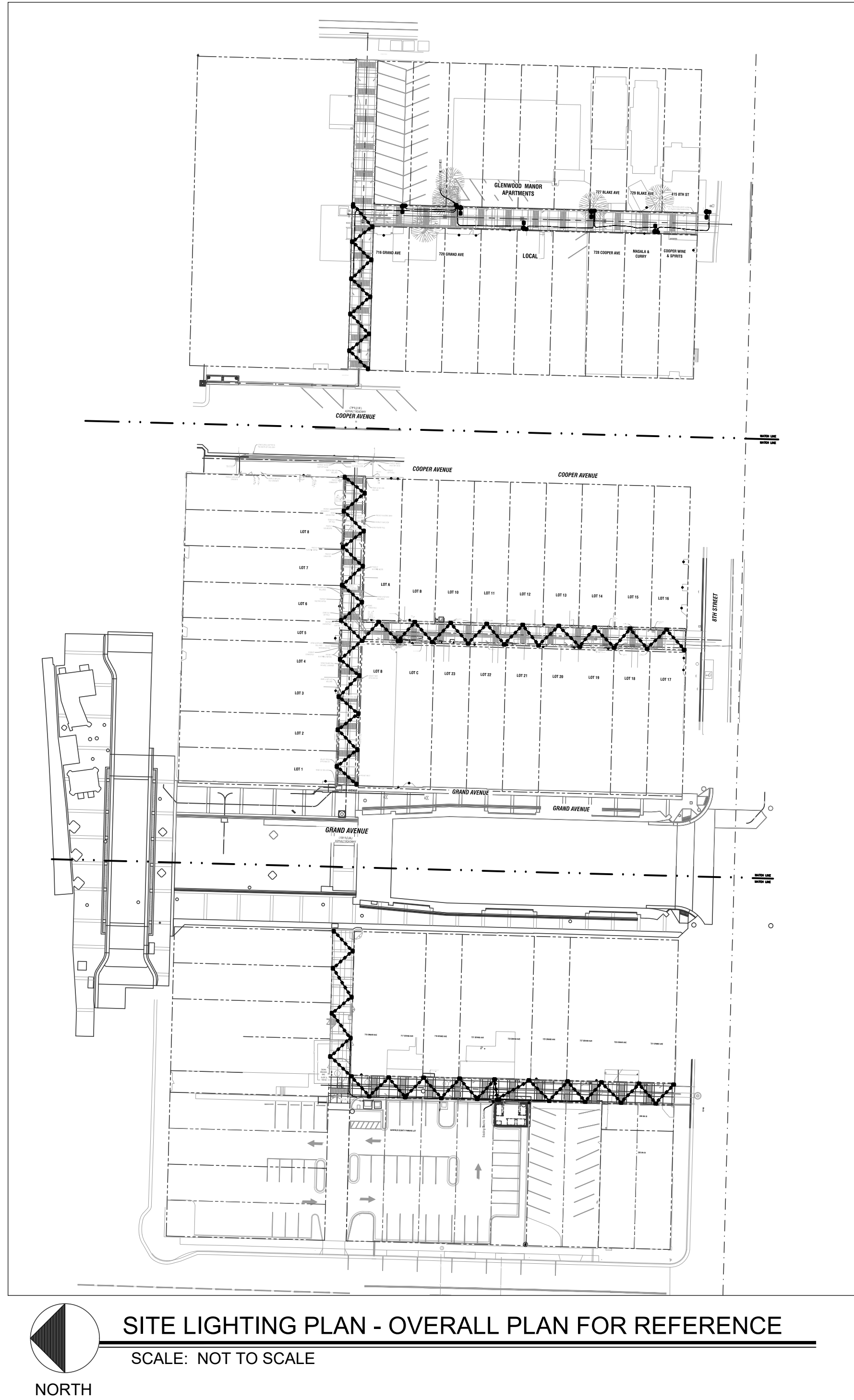
NOTES:

- VERIFY THE BURY DEPTH AND DIAMETER OF THE SONOTUBE WITH THE CIVIL ENGINEER PRIOR TO PURCHASING THE EQUIPMENT. DEPTH WILL DEPEND ON SOIL CONDITIONS. TYPICAL CONCRETE DEPTH IS 5 FT.
- THE ELECTRICAL CONTRACTOR IS TO INSTALL VIBRATION DAMPERS IN ALL POLES, OBTAIN DAMPERS FROM POLE MANUFACTURER FOR EACH ALUMINUM POLE.
- ALL OUTSIDE LIGHT SOURCES SHALL COMPLY WITH SECTION 21.06.080 OF THE ZONING AND DEVELOPMENT CODE.
- NOTIFY ENGINEER OF ANY OBSTRUCTIONS TO POLE PLACEMENT IMMEDIATELY BEFORE PROCEEDING.



STRING LIGHT POLE BASE DETAIL & ELEVATION

NO SCALE



SITE LIGHTING PLAN - OVERALL PLAN FOR REFERENCE

SCALE: NOT TO SCALE

PHOTOMETRIC CALCULATION DISCLAIMER:

LIGHTING PATTERN USED FOR LUMINAIRES REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY LUMINAIRE MAY VARY DUE TO VARIATION IN VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD AND EQUIPMENT CONDITIONS.

EXTERIOR LIGHTING DESIGN CONCEPTS:

- CALCULATIONS ARE USING POINT-TO-POINT METHOD WITH TEN FEET DISTANCE BETWEEN CALCULATION GRID POINTS, USING VISUAL LIGHTING CALCULATIONS SOFTWARE.
- THE IESNA STANDARDS REPRESENT THE LOWEST ACCEPTABLE LEVELS FOR PROPER VISIBILITY AND RECOMMEND MINIMUM MAINTAINED LIGHT LEVELS FOR OPEN PARKING LOTS AT 0.2-0.5 FOOT CANDLE LEVELS FOR ENHANCED SECURITY CONDITIONS.
- PROPOSED LIGHT FIXTURES AND LIGHT LEVELS ARE TO BE IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS.

EXTERIOR LIGHTING NOTES:

- LIGHT FIXTURES SHALL BE INSTALLED AND MAINTAINED IN A MANNER CONSISTENT WITH THE LIGHTING PLAN APPROVED BY THE CITY PLANNING DEPARTMENT. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE LIGHTING FIXTURES ON THEIR PROPERTY.
- REFER TO LANDSCAPE PLANS FOR MATURE HEIGHT OF EXISTING AND PROPOSED TREES.
- REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING HEIGHT INFORMATION.
- ALL EXTERIOR LIGHT FIXTURES SHALL BE OPERATED BY ASTRONOMICAL TIME CLOCK, PHOTOCELL OR LIGHTING CONTROL SYSTEM.
- POST-CURFEW LIGHT LEVELS FOR PARKING LOTS SHALL BE REDUCED BY AT LEAST 50%. ENTRY LIGHTS MAY BE LEFT ON.
- FACILITIES & SITE DEVELOPMENT OF THIS SITE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS, STANDARDS AND DETAILS.
- ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL ZONING & DEVELOPMENT CODES.
- PARKING LOT LIGHTS SHALL OPERATE DUSK TO PRE-SET OFF, SO THAT THEY EXTINGUISH ONE HOUR AFTER CLOSE OF BUSINESS OR NO LATER THAN 10 P.M. BUILDING SECURITY LIGHTS WILL OPERATE FROM DUSK TO DAWN.

ACCEPTANCE BLOCK

THE CITY REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE CITY'S DEVELOPMENT STANDARDS, SUBJECT TO THESE PLANS BEING SEALED, SIGNED, AND DATED BY THE PROFESSIONAL OF RECORD. REVIEW BY THE CITY DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD. CONSTRUCTION MUST COMMENCE WITHIN ONE YEAR FROM THE DATE OF PLAN SIGNATURE.

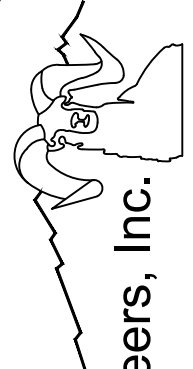
CITY DEVELOPMENT ENGINEER

DATE

CITY PLANNER

DATE

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.



Bighorn Consulting Engineers, Inc.

Mechanical & Electrical Engineers

386 Indian Road

Grand Junction, CO 81501

Phone: 970-241-8709

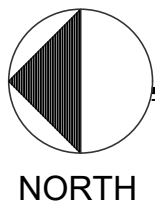
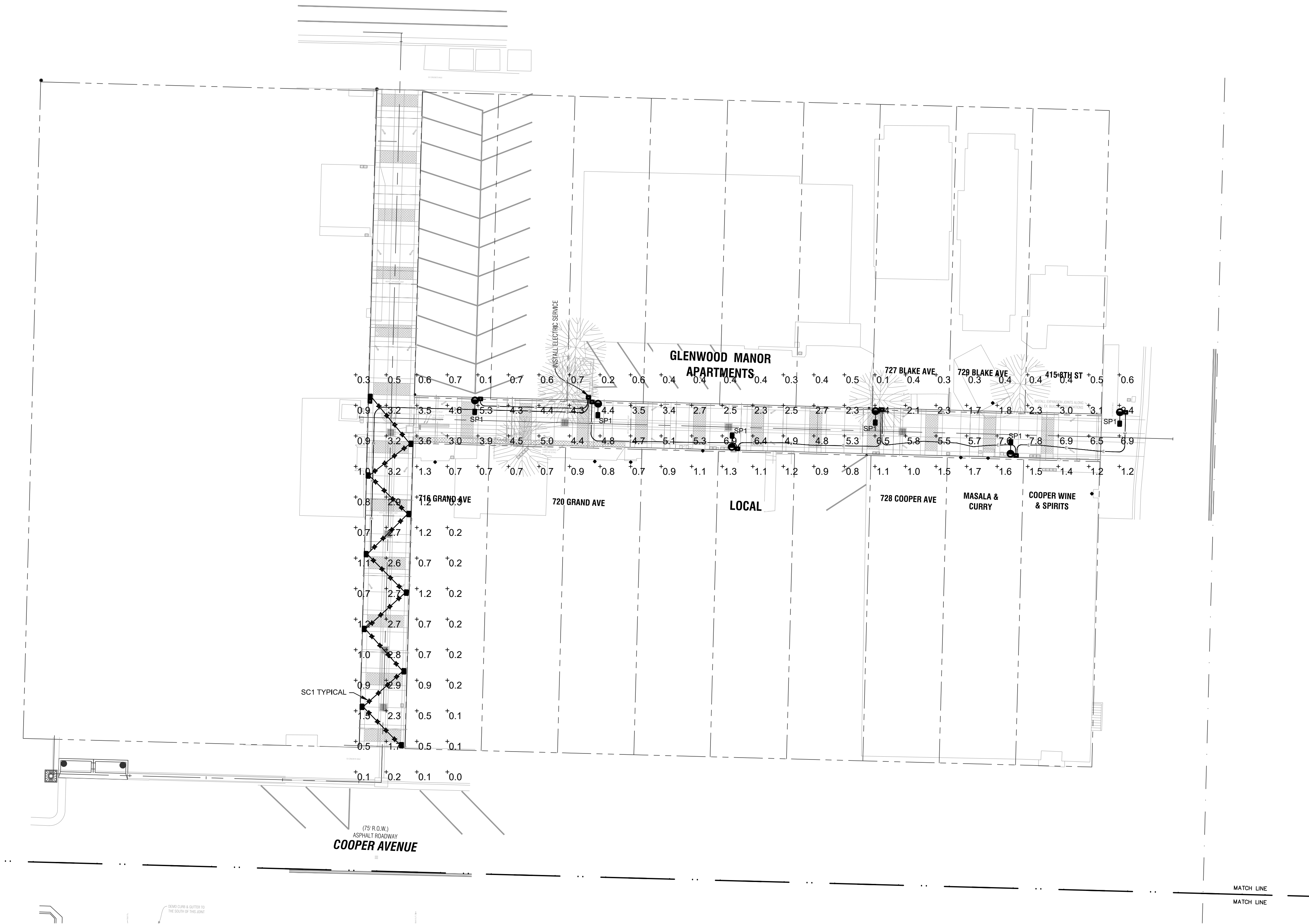
GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS

SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



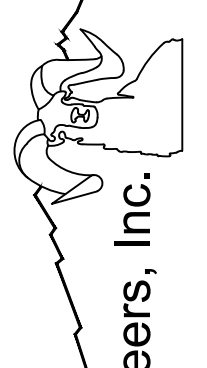
DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	IES1-0



ISO-FOOTCANDLE SITE LIGHTING PLAN - ALLEY 45

SCALE: 1"=20'-0"

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.



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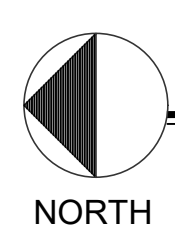
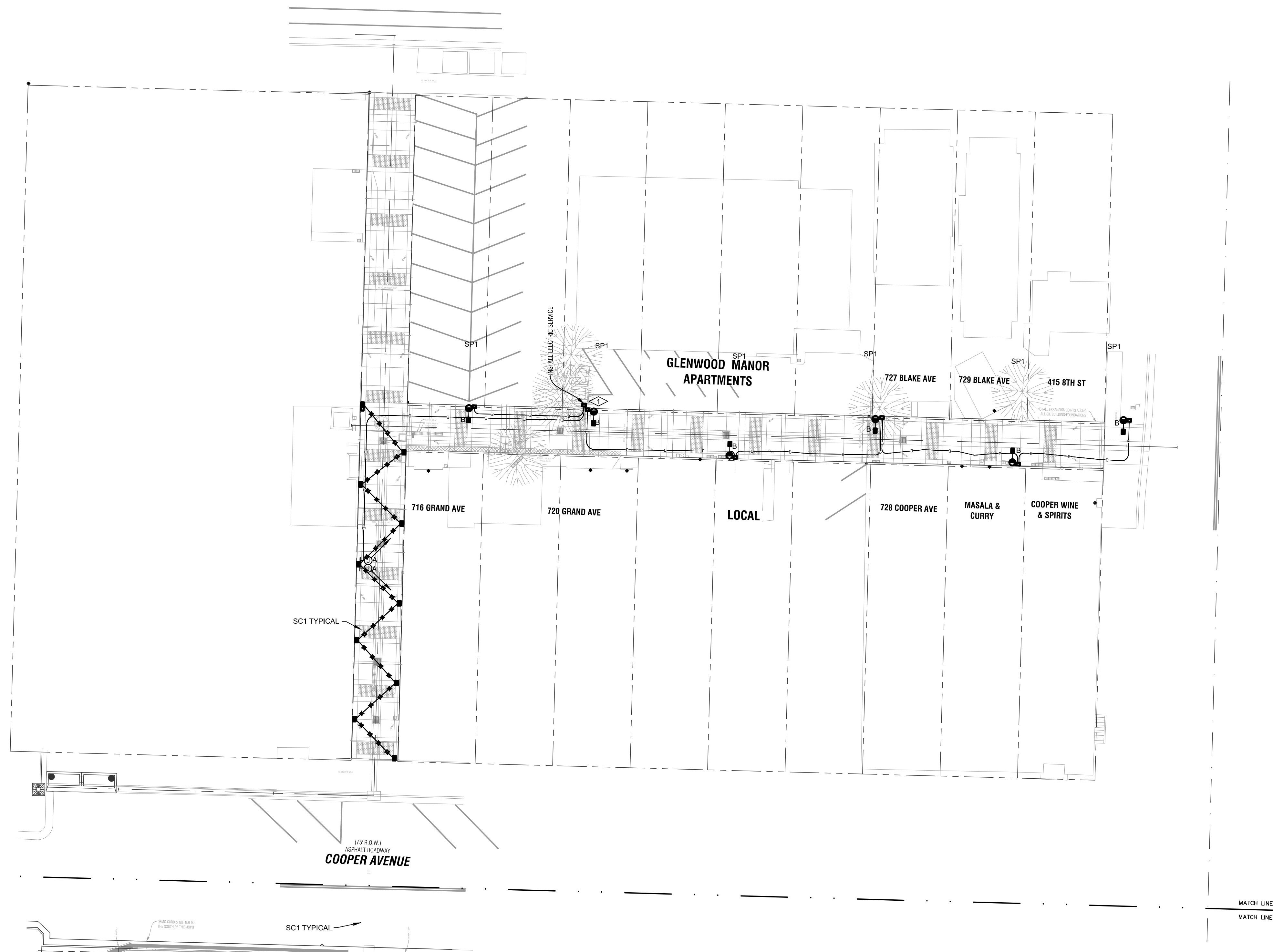
GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS
SITE LIGHTING
GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	IES1-3





SITE LIGHTING PLAN - ALLEY 45

SCALE: 1"=20'-0"

- FLAG NOTES:
- ◁ PROVIDE SERVICE PER DETAIL ON SHEET E1-0. COORDINATE WITH CITY OF GLENWOOD FOR EXACT LOCATION OF SERVICE.

- GENERAL NOTES:
1. RELAY CIRCUITS "A" OR "B" SUPPLY OPPOSITE ENDS OF THE ALLEY FROM THE SERVICE PANEL. EXTENDING FROM THE LIGHTLEADER CONTROL MODULE. EACH ARE CALLED OUT NEXT TO POWERSPAN CABLING CONTROL PANELS AND POLE LIGHTING THEY FEED.
 2. JUNCTION BOXES IDENTIFY THE LOCATIONS FOR THE POWERSPAN CABLING CONTROL PANELS. THE ARROWS DENOTE THE RUN OF THE POWERSPAN CABLING FROM THE CABLE CONTROL PANEL TOWARD THE END OF THE CABLE.
 3. INSTALL AND TENSION PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TO ENSURE THAT THE LOWEST LIGHT FIXTURE IS ABOVE 16' A.F.G.

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

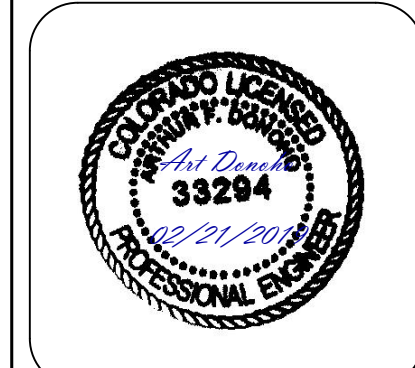
Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
386 Indian Road
Grand Junction, CO 81501
Phone: 970-241-8709

**GLENWOOD SPRINGS ALLEY
BLOCK 43,44, & 45 IMPROVEMENTS**

SITE LIGHTING

GLENWOOD SPRINGS, COLORADO

DATE:	ISSUED FOR:
02/21/19	PERMIT DRAWINGS



DATE:	02/21/2019
JOB NO:	18-234
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	ES1-3

**GLENWOOD SPRINGS ALLEY
BLOCK 43, 44, & 45 IMPROVEMENTS**

SITE LIGHTING
GLENWOOD SPRINGS, COLORADO



ES1-4

**LightSync 0-10V Dimming
Output Module Details**

Caution: Always verify 10VDC on control wires before connecting to the terminal. Line voltage applied will cause damage to electronics and possible electrocution

0-10VDC dimming terminations

Removable screw type terminal blocks that accepts 16-12 AWG wire

Purple (+)
Gray/Purple striped (-)

RJ-45 connectors for "R" remote mount option

Output module pin connector for "P" panel mount option

Address switches for setting a unique dimmer device address from 01 to 10 hexadecimal (16 possible)

Mounting hole for 6-32 screw (4)

2.75"

3.50"

Optional Sink/Source/Drive Module Settings (97013489)

Left & right jumper settings must match per output for proper operation.

A: Direct drive
B: Source voltage
C: Sink voltage for 0-10V dimming ballast (default)

- 0-10VDC dimming output control device with 4 independent channels
- Sink up to 100mA per channel (200 ballasts at .5mA each)
- Optional Sink/Source/Drive module (see above); 100mA Sink/Source, 10mA Direct drive per channel
- Consult ballast manufacturer for maximum distance to ballast

16 AWG	800 feet
18 AWG	500 feet
20 AWG	320 feet
22 AWG	200 feet
24 AWG	120 feet

ILC INTELLIGENT LIGHTING CONTROLS, INC.
www.ilc-usa.com 1-800-922-8004

PD0614 REV D

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www.teganlighting.com • info@teganlighting.com • 415-504-3508

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SUBSURFACE UTILITY ENGINEERING SERVICES

REQUEST FOR PROPOSAL 2022-17P
JUNE 17, 2022

HORROCKS
ENGINEERS

June 17, 2022

Attn: Ryan Muse, City Clerk
City of Glenwood Springs
Procurement Department
101 West 8th St.
Glenwood Springs, CO 81601

SUBJECT: Request for Proposal 2022-17P – Subsurface Utility Engineering Services

Dear Mr. Muse and Members of the Selection Committee:

Horrocks Engineers (Horrocks) is excited to submit our proposal in response to the solicitation for Subsurface Utility Engineering (SUE) for the Downtown Alley Reconstruction project to the City of Glenwood Springs (the City/COGS).

The Downtown Alley program underway brings important community-focused improvements to the downtown core. These improvements will serve as a catalyst to vitalize this pedestrian-friendly network. It is encouraging to see the City identify the need to address utilities as an important component to accomplishing the goals of the program through this sub-project Request for Proposal (RFP). There is a heavy utilities presence in the identified alleys, and accurately and thoroughly identifying them will be of paramount importance. Utilities continue to be one of the top risk factors associated with infrastructure construction, and that is definitely the case in this setting.

Horrocks started performing SUE to address our own needs in the development of both municipal and department of transportation roadway designs over 15 years ago. This is what sets us apart in the industry: as both civil and utility engineers, we understand how the data is used, what information is critical, how it affects the various engineering design disciplines, and how to deliver a product that consistently meets project needs and client standards. In addition, we understand the impacts to third-party utility owners and their desire to provide continuous services. With this experience, we will assist COGS by efficiently performing the designating, locating, and data management for each alleyway project area (Blocks 43, 44, and 45) and complete the design analysis and recommendations with the efficiency and quality that will permit the Downtown Alley program to proceed on schedule.

Our proposal highlights the specific site conditions, challenges, and our planned approach to delivering the required services with distinction. We are proud of our industry-leading responsiveness, product quality, and attention to detail and are ready to help COGS accomplish all project objectives.

Project Manager John Holzwarth, PE, as Horrocks' Colorado Business Leader, is authorized to contractually bind Horrocks for this contract and will serve as the primary point of contact for the City. We acknowledge receipt of Addendum 1 (dated 06/8/2022) and have incorporated the guidance and clarification provided into our proposal response. Thank you for your time and consideration of our qualifications to provide SUE services for the Glenwood Springs community.

Sincerely,



John Holzwarth, PE
Colorado Business Leader, Horrocks Engineers
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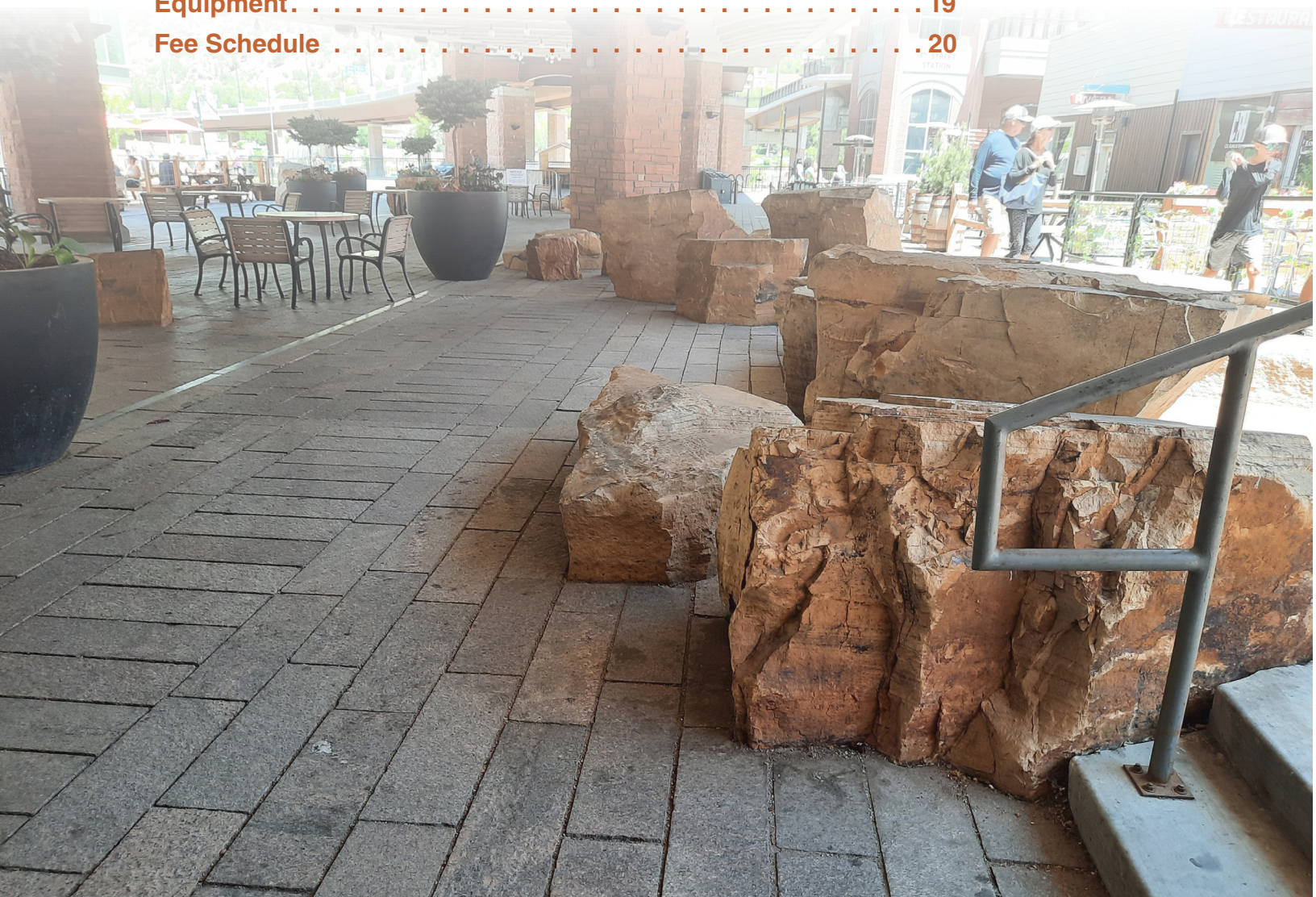
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HORROCKS
ENGINEERS

QUALIFICATIONS AND EXPERIENCE OF FIRM

SUBSURFACE UTILITY ENGINEERING SERVICES

QUALIFICATIONS AND EXPERIENCE OF FIRM

BUSINESS AND BACKGROUND

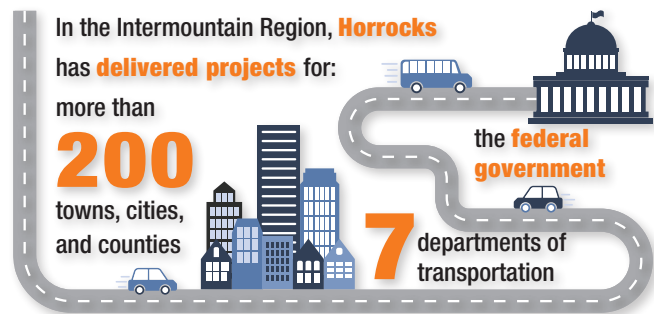
PRIME CONSULTANT

For more than 50 years, Horrocks has been an integral part of improving infrastructure for communities in the western United States. As a full-service civil engineering and professional services firm, we provide all the disciplines necessary to study, plan, design, and communicate about infrastructure projects—from utilities to roads to structures. We involve clients, community leaders, and the public when making decisions. Together, we create connections to the future.



Horrocks brings the full suite of SUE services to support COGS. These services include utility research, coordination, design, and the full spectrum of Quality Levels (QLs) D through A, including the following specific aspects:

- Base mapping and records research
- Field investigations
- Utility ownership
- Physical utility attributes
- Surveying and mapping
- Test-holes for existing utilities
- Researching planned utilities
- Data management/GIS interface



Horrocks has performed SUE throughout the Western US and has earned a reputation for providing accurate and timely results, including detailed utility inventories, professional utility conflict assessments, recommended relocations, relocation designs, and cost analysis.



HORROCKS ENGINEERS: 54 YEARS IN BUSINESS



HORROCKS UTILITIES TEAM: 15 YEARS PROVIDING SUE SERVICES



SUBSURFACE UTILITY ENGINEERING SERVICES

Horrocks developed our SUE practice 15 years ago mainly because we needed better utility information to support our engineering practice. This is a major and important difference between the Horrocks SUE services and most of the other SUE providers in the market. We integrate our SUE services with engineering design professionals to enable improved design decision-making with a focus on appropriate and needed costs. This philosophy fits perfectly with this alley improvement project, as it connects the needed SUE services in a progressive, sequenced fashion to identify utility conflicts and mitigations with the design improvements to produce the right-sized product.

Horrocks has provided SUE services in Colorado since we opened our Denver metro office in 2018. We leveraged the extensive SUE experience Horrocks had been providing communities and departments of transportation for 15 years, supporting projects, large and small, across the West. Our utilities team has grown to over 50 staff with a core team in Colorado providing SUE QL D-A as well as utility coordination and engineering. We have been serving numerous municipalities around the state to build our comprehensive experience and understanding of working in the state to deliver exceptional SUE services for COGS.



SUBCONSULTANT

ARS Engineers, Inc. (ARS) is a small, minority-owned firm, with a 37-year history of providing surveying, SUE and engineering services for municipalities across North Texas and now expanding into Colorado. Founded in 1984, ARS provides full-service civil engineering, surveying (boundary surveys, topographic, metes and boundaries, ROW and easements, and construction staking) and full-service SUE (Quality Level A - D and utility coordination). ARS is centrally located and is staffed to ensure immediate and high-quality responses to any project. ARS is a right-size firm, large enough to provide a wide range of professional services to its clients and small enough to offer responsive and personalized service.



With a total staff of 36 professionals, ARS has two professional engineers, two registered surveyors, and support staff, as well as up-to-date design and surveying systems. ARS has extensive experience in SUE and land surveying throughout North Texas, including numerous municipal clients, the Cities of Waxahachie, Irving, Dallas, Fort Worth, Farmers, Branch, DeSoto, Addison, Plano, Allen, Ennis, Fate, Frisco, Grand Prairie, and Red Oak.

This municipal experience, including similar alleyway projects, makes ARS a valuable partner for this project. With an equipped, experienced, and nimble utilities team, they are well prepared to seamlessly integrate with Horrocks personnel. Combining resources with Horrocks, the team can deploy multiple field crews to accelerate the schedule and minimize disturbance to project area residents, businesses, and travelers.

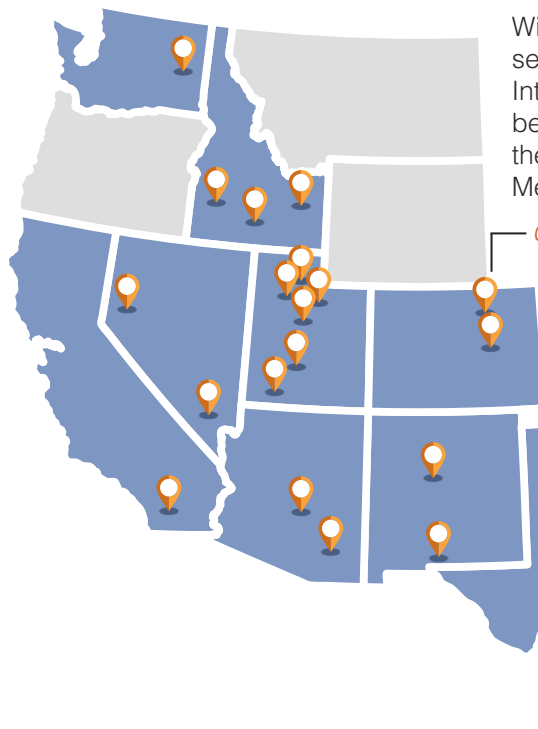
SUBSURFACE UTILITY ENGINEERING SERVICES

NUMBER OF EMPLOYEES

Horrocks Engineers is a leading regional full-service civil engineering and professional services firm.



LOCATIONS OF OFFICES



With 20 offices, Horrocks has a broad geographic presence serving clients throughout the Rocky Mountain and Intermountain regions. Horrocks' Utilities team in Colorado, will be the primary pool supporting the City. The Colorado team has the full backing of our 50+ utilities staff firmwide in Utah, New Mexico, Nevada, and Texas.

Centerra (Loveland, CO) office coming soon

PRIMARY OFFICE FOR COGS
Denver (Greenwood Village), CO

INDIVIDUALS LEADING CONTRACT PERFORMANCE

Information regarding the team key personnel are provided in the Qualifications and Experience of Project Team section.

- John Holzwarth, PE – Project Manager
- Rod Brocious, PE – Principal-in-Charge
- Taylor Lane – Designating and Locating Lead
- Trevor Jensen – Survey Lead

OFFICE LOCATIONS

Headquarters
Pleasant Grove, UT

Arizona
Phoenix
Tucson

California
San Diego

Colorado
Greenwood Village
(Denver metro)

Idaho
Idaho Falls
Meridian
Twin Falls

Nevada
Las Vegas
Reno

New Mexico
Albuquerque
Las Cruces

Texas
Dallas
Houston

Utah
Heber
Richfield
Riverdale
Salt Lake City
St. George

Washington
Spokane

SUBSURFACE UTILITY ENGINEERING SERVICES

EXPERIENCE WITH SIMILAR PROJECTS

In our 15 year history of providing utilities engineering, and since our establishment of Colorado operations four years ago, our staff have completed comparable projects throughout Colorado and the Western US. The projects highlighted below demonstrate our team's preparation and capacity to successfully deliver the SUE services for the Glenwood Springs downtown alleyway blocks.

COUNTY LINE ROAD AND INVERNESS PARKWAY INTERSECTION IMPROVEMENTS | DOUGLAS COUNTY

Reference: Art Griffith, PE, Douglas County Capital Improvements Project Manager, 303.660.7490, agriffit@douglas.co.us



Horrocks provided the SUE services to support the design development for intersection improvements at County Line Road and Inverness Parkway. The purpose of the project was to combine two existing intersections into a single intersection. The area is complex, with major roadways intersecting in a very tight area, and numerous businesses and conference centers in proximity. Our scope of work included performing SUE QL-D through QL-A, including the utility coordination, records research, utility designating, utility locating, and providing the utility data in a 3D format. We performed 56 test-holes through vacuum excavation and reviewed the data with the designer and owner. Our SUE team developed the following deliverables:

- 75 structure sheets depicting the details of each structure, including material, condition, pipe and rim inverts, and existing photos.
- 56 test-hole sheets depicting the details of each found utility, including owner, type, location, condition, and existing photos
- 3D CAD file showing horizontal and vertical location of all utilities. Utilities are delineated by color code, line style, and level for easy identification. Each line has information displayed for utility type, material, condition, quality level, and inverts.

“This is the best SUE data I have ever seen. There is incredible detail and it is very useful for advancing our designs.”

- Art Griffith, Douglas County Capital Improvements Program Manager

SUBSURFACE UTILITY ENGINEERING SERVICES

WCR 66 CORRIDOR SUE AND CONCEPTUAL ALIGNMENT | WELD COUNTY | HORROCKS

Reference: Clay Kimmi, PE, Weld County Project Manager, 970.400.3741, ckimmi@weldgov.com



Horrocks has assisted Weld County on multiple engagements to advance improvements to Weld County Road (WCR) 66 east of Greeley. WCR 66 is an important regional agricultural and oil/gas corridor, developing into a vital freight corridor that serves as an alternate route to highway CO 392. For the WCR 66 Corridor SUE and Conceptual Alignment project, Horrocks conducted SUE (QL-D to QL-B) for approximately four miles of WCR 66, from Hwy 85 to WCR 47. In tandem with the SUE work, Horrocks developed two conceptual roadway cross sections and layout of these sections along the corridor. Horrocks' SUE team performed 54 test-holes within the project corridor. Final SUE deliverables included SUE (QL-D to QL-B) plans and supporting SUE materials. Final design deliverables included a conceptual corridor design plan, which the County will use to coordinate future utility work in accordance with the County's ultimate vision for the corridor.

LINCOLN AVENUE/HAVANA STREET/MERIDIAN BOULEVARD INTERSECTIONS, SUE SERVICES | DOUGLAS COUNTY | HORROCKS

Reference: Art Griffith, PE, Douglas County Capital Improvements Project Manager, 303.660.7490, agriffit@douglas.co.us



Horrocks Engineers delivered the SUE services for the widening of Lincoln Ave and improvements along Havana St and Meridian Blvd intersection. The project entailed the improvements of the intersections of Lincoln Ave and Havana St and Havana St and Meridian Blvd, including adding turn lanes and lane reconfiguration. This intersection complex serves as an entry into a large business complex in the City of Lone Tree (Douglas County). Services included full SUE investigations, designating, and locating all utilities for this reconstruction project. Horrocks worked in partnership with Douglas County and the designer to advance the utility investigations with a focus on risk management and acquiring the needed data to make effective design decisions. Specific activities have included:

- 56 test-holes with corresponding test-hole sheets
- Full 3D CADD files
- 20 structure sheets

PROVO CANYON PARKWAY TRAIL SUE | UTAH DEPARTMENT OF TRANSPORTATION | HORROCKS

Reference: Dan Young, Wall Construction Company, 801.419.7023, dyoung@wcecengineers.com

We highlight this project as an example demonstrating our ability to complete SUE services within constrained and challenging locations. A joint effort between UDOT, Mountainland Association of Governments (MAG), Wasatch County, Utah County, and Heber Valley Railroad, the Provo Canyon Parkway Trail project is a UDOT-led project intended to improve the existing trail that runs parallel to US-189 east of Provo, Utah, in Utah and Summit Counties. Horrocks led a team of design consultants and completed the environmental clearances, trail design, railroad relocation design, and pedestrian bridge and railroad bridge design. Horrocks also provided SUE services.

The SUE scope of work elements included utility conflict identification and conflict relocation design for all major utilities (high voltage power, water, and communications, etc.). Scope of work included providing SUE QL-D through QL-A, including records research, utility designating, and utility locating. We performed four test-holes and designated over 62,000 LF of underground utilities. To perform the designating, our team traversed through mountainous terrain and navigated through dense vegetation. The test-holes performed required use of specialized vacuum equipment that was mounted to a high rail truck that used the nearby rail tracks to reach the test-hole locations.

US 60 / HEREFORD, TX | TXDOT – AMARILLO DISTRICT | ARS

Reference: William O'Dell, PE, ASQ CMQ/OE, Prime Consultant Project Manager, 214.440.3633, William.Odell@lamb-star.com

ARS, as the lead SUE consultant, ARS performed Level D through Level A SUE services along US 60 in downtown Hereford, TX. US 60 is the main downtown thoroughfare in Hereford and the SUE work was performed in support of an expansion of the thoroughfare for over three miles. ARS provided the Level D-B SUE work in one phase and then remobilized to perform 20 Level A SUE test-holes. ARS provided 25,486 LF of Level B SUE, 53,444 LF of Level C SUE, and 201,556 LF of Level D SUE, including records research, Texas 811 one-calls, field utility designation to ASCE 38-02 standards, and all related drafting and plan sheet production. Utilities located include electric, telephone, cable TV, fiber optic, water, wastewater, and stormwater.

ARS performed extensive coordination with both the City of Hereford and local TxDOT Area Office to verify the condition, size, and material of existing utilities. Specifically, ARS coordinated with the city to identify PVC water line locations, including site visits with multiple stakeholders. Additionally, ARS worked with the city to coordinate jackhammering locations where sanitary sewer lids had been paved over with asphalt; metal detectors were also utilized to locate difficult-to-find manhole lids. Extensive traffic control was required for this effort, and ARS helped coordinate the phasing to maximize project efficiency and safety.



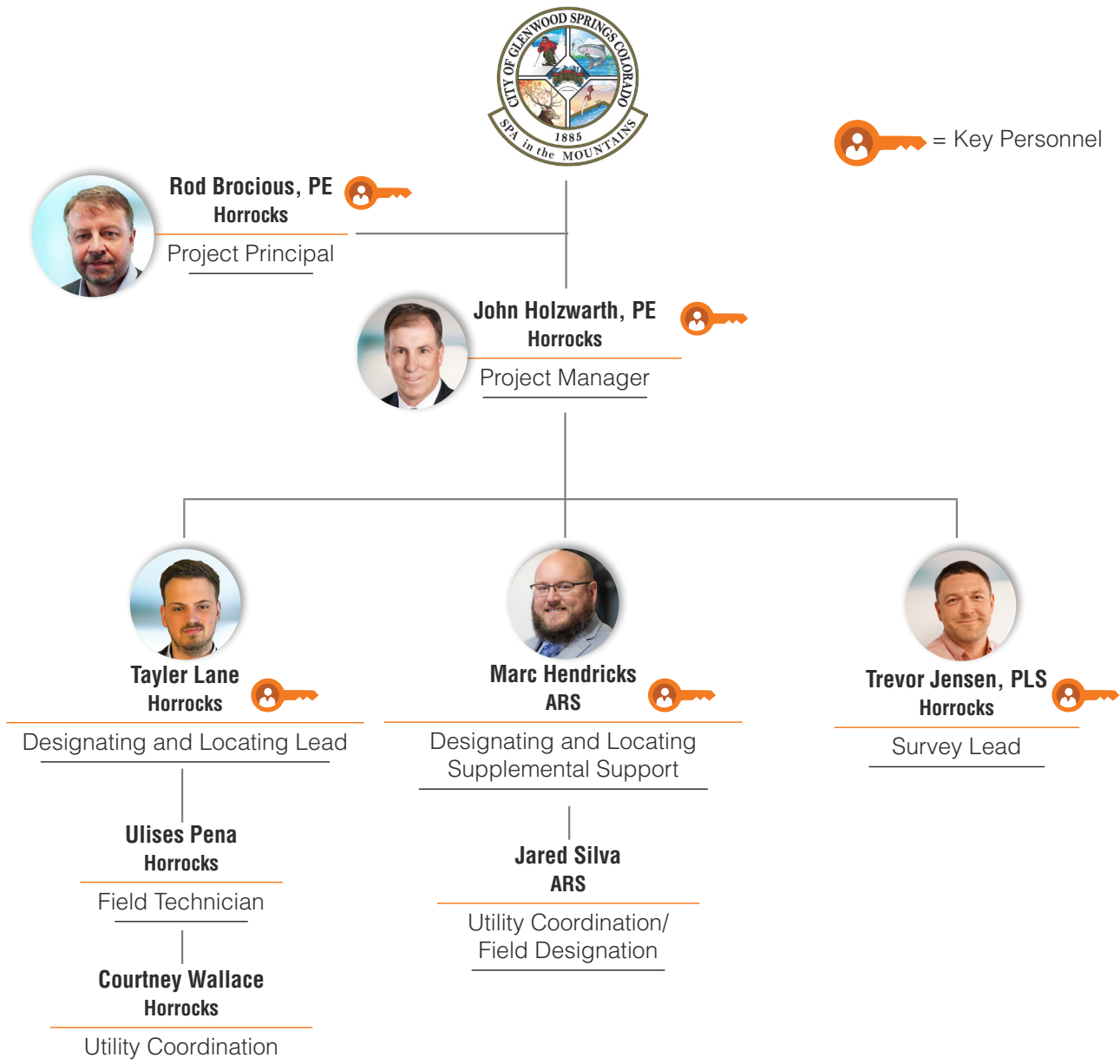
HORROCKS
ENGINEERS

QUALIFICATIONS AND EXPERIENCE OF PROJECT TEAM

QUALIFICATIONS OF PROJECT TEAM

Introduced below is the experienced and qualified Horrocks team purpose-built for the Glenwood Alleyway SUE project. Qualifications for key personnel (as designated in the RFP) are described in the resumes beginning on the following page.

Horrocks' key personnel have the experience that readily exceeds the desired four to five years' experience noted in the RFP. Led by Project Manager, John Holzwarth, our team members have been providing SUE services in Colorado since we opened our Denver metro office four years ago. As Rod, Tayler, and Trevor's resumes note, have been providing utility engineering services for several years beyond with Horrocks. Such stability is unusual in today's turbulent utilities services market, and this experience and tenure is one of the most valuable and distinguishing aspects of the Horrocks team. We are committed to Colorado, familiar working with one another, and share a clear understanding of quality and service expectations.





EDUCATION
BS, Civil
Engineering, Utah
State University

**LICENSE/
CERTIFICATION**
CO PE No. 60477

Additional PE
Licenses: AZ, ID,
NM, NV, OR,
TX, UT

HORROCKS
ENGINEERS

ROD BROCIOUS, PE

Principal-in-Charge

Rod has 24 years of engineering experience including extensive SUE and utility-related work. For the last 13 years at Horrocks, Rod's focus has been providing SUE, utility coordination, ROW, and utility conflict design to local governments. He has led SUE efforts for several projects in Colorado and throughout the Intermountain West. As the managing principal of the SUE and utilities departments at Horrocks, Rod has provided oversight on utility relocation design and SUE services (all Quality Levels - QLs) on many significant department of transportation (DOT), county, and municipal projects. In addition, his responsibilities have included oversight for engineering design and construction of more than \$150 million in utility conflict and relocation work throughout the western United States. Rod works well on innovative teams where he helps foster open communication among the team and the public to achieve true collaboration and creative solutions.

RELATED PROJECT EXPERIENCE:

- Douglas County On-call SUE services, Countywide, CO | SUE Manager
 - County Line Road and Inverness Parkway Intersection Reconfiguration SUE
 - Lincoln Avenue, Havana Street, Meridian Boulevard, Intersection Improvements SUE
 - County Line Road Widening; University and Broadway SUE
 - C-470 Trail over the Yosemite Street Pedestrian Bridge SUE
 - CR 66 and CR 41 Intersection Design and Improvements, Greeley, CO | Utility Lead
- Weld County On-call SUE Services, Countywide, CO | SUE Manager
 - CR 74 and CR 33 Intersection Improvements
 - O Street and 35th Avenue Intersection Improvements
 - CR 80 and CR 37 Intersection Improvements
- Glenwood Maintenance Site, CDOT Region 3, Glenwood Springs, CO | SUE Manager
- SUE Services for US 6/US 50/US 93, NDOT, Downtown Ely, NV | SUE Manager
- I-15, SR-73 to 12300 South, Road Widening, Salt Lake, Utah Counties, UT | SUE Support
- I-15 NB, Bangerter Highway to I-215 Program Management, Salt Lake County, UT | Utilities Support
- US-89, Farmington to I-84, Environmental, Progressive Design-Build, Program Management, Davis County, UT | Utilities Manager
- 2018-2019 NMDOT On-Call SUE, Statewide, NM | SUE Support



EDUCATION
BS, Civil
Engineering, Old
Dominion University

Coursework for
MBA, University of
Colorado-Denver

**LICENSE/
CERTIFICATION**
CO PE No. 42441

JOHN HOLZWARTH, PE

Project Manager

John is an experienced business leader in infrastructure development and delivery with expertise for Departments of Transportation, which includes highways, bridges, airports multimodal, transit, and rail. John has progressively grown his management, leadership, and delivery skills by serving clients and internal teams to deliver excellence in all aspects of the industry. John excels in team development, project management, business planning, strategic planning, and relationship-building. John has practiced civil/transportation engineering in Colorado for over 17 years (four with Horrocks), and has a detailed understanding of municipal work approaches and CDOT Local Agency processes, project goals, and vision for the future with hands-on experience delivering projects.

RELATED PROJECT EXPERIENCE:

- Douglas County SUE On-Call, Douglas County, CO | Project Principal
 - County Line Rd and Inverness Pkwy intersection reconfiguration
 - Lincoln Ave, Havana St, and Meridian Blvd intersections
 - County Line Road Widening University to Broadway
 - C470 Trail over the Yosemite St Pedestrian Bridge
- Weld County On-Call SUE, Greeley, CO | Project Principal
 - CR 74 and CR 33 intersection
 - O St and 35th Ave intersection
 - CR 80 and CR 37 intersection
- CR 66 and CR 41 Intersection Design and Improvements, Weld County, CO | Quality Manager
- SH 392 and WCR 23 Intersection Improvements (CDOT Local Agency), Severance, CO | Project Principal
- Drake and College Intersection Improvements, Fort Collins, CO | Project Principal
- Fort Collins Parks Planning and Design On-Call, Fort Collins, CO | Project Principal
- Fountain Creek Bridge-Home of Heroes, Pueblo CO | Project Principal
- North Vista Highlands Development, Pueblo, CO | Project Manager
- Academy Boulevard Great Streets Plan, Colorado Springs, CO | Project Manager*
- I-25 Gap Planning and Environmental Linkages (PEL), Colorado Springs/ Denver South, CO | Principal-in-Charge*

** Project experience prior to joining Horrocks, both with CH2M*

HORROCKS
ENGINEERS



EDUCATION
H.S. Diploma, Prairie
View High School

TAYLER LANE

Designating and Locating Team Lead

Tayler has eight years of experience in using EMS to locate underground utilities and five years of experience in surveys. In his time with Horrocks (six years), he has served as a Field Supervisor and Field Technician for the Colorado SUE practice. He has strong leadership skills and is capable of managing and coordinating multiple crews at the same time. Tayler also has experience with managing and using Terraflex, Radio Detection (EMS), IKE, GPR, and other advanced SUE practices. Tayler collects, reviews, and modifies data using MicroStation and CAD programs. Based in our Denver metro area office, Tayler is primarily focused on serving Colorado municipalities, counties, and DOT projects as well as supporting SUE projects as needed in Utah, Nevada, and New Mexico.

RELATED PROJECT EXPERIENCE:

- Douglas County SUE On-Call, Douglas County, CO | SUE Lead
 - County Line Rd and Inverness Pkwy intersection reconfiguration
 - Lincoln Ave, Havana St, and Meridian Blvd intersections
 - County Line Road Widening University to Broadway
 - C470 Trail over the Yosemite St Pedestrian Bridge
- Weld County SUE On-Call, Douglas County, CO | SUE Lead
 - CR 74 and CR 33 intersection
 - O St and 35th Ave intersection
 - CR 80 and CR 37 intersection
- CR 66 and CR 41 Intersection Design, Weld County, CO | SUE Lead
- WCR 66 Corridor SUE and Conceptual Alignment, Greeley, CO | SUE Lead
- US 34 Encore at Johnstown, Larimer County, CO | SUE Lead
- South Camp Road SUE (subconsultant), Mesa County, CO | SUE Lead
- Clifton, 1st Street, and Camp Avenue Improvements SUE (subconsultant), Mesa County, CO | SUE Lead
- SUE for ITS Poles in CDOT R4 (subconsultant CDOT Traffic Engineering NPS Task order), Weld County, CO | SUE Lead
- 112th and Himalaya Improvements SUE, Adams County, CO | SUE Lead
- Crown Castle Hwy 36 Lyons to Estes Park, Boulder and Larimer Counties, CO | SUE Lead
- 12th Street Outfall: Phase 1A SUE, Greeley CO | SUE Lead

HORROCKS
ENGINEERS



EDUCATION
BA in Geomatics
Engineering, Utah
Valley University

**LICENSE/
CERTIFICATION**
Utah PLS No.
11374031

FAA UAS Remote
Pilot License No.
4338591

HORROCKS
ENGINEERS

TREVOR JENSEN, PLS

Survey Lead

Trevor has 11 years of surveying experience (eight with Horrocks) in boundary surveys, topographic mapping and surveying, control networks, LiDAR and 3D Scanning, and construction staking. He has also completed numerous ALTA surveys, and has experience using Trimble, Leica, and Top-Con equipment and is UAV Part 107 certified. (UAS-Drone No. 4338591). Trevor is familiar with data programs Civil-3D, TBC, Microstation, and Arc GIS. He has been involved in many large, complex engineering projects serving in the capacities of rodman, crew chief, instrument man, technician, and survey lead. Trevor manages and oversees all types of projects including LiDAR, topographic, hydrographic, boundary, design, 3D laser scanning, construction staking, and as-built surveys.

RELATED PROJECT EXPERIENCE:

- Douglas County SUE On-Call, Douglas County, CO | SUE Lead
 - County Line Rd and Inverness Pkwy intersection reconfiguration
 - Lincoln Ave, Havana St, and Meridian Blvd intersections
 - County Line Road Widening University to Broadway
 - C470 Trail over the Yosemite St Pedestrian Bridge
- Weld County SUE On-Call, Douglas County, CO | Field Survey Lead
 - CR 74 and CR 33 intersection
 - O St and 35th Ave intersection
 - CR 80 and CR 37 intersection
- CR 66 and CR 41 Intersection Design, Weld County, CO | Field Survey Lead
- Glenwood Maintenance Site, CDOT Region 3, Glenwood Springs, CO | Field Survey Lead
- US 34 Encore at Johnstown, Larimer County, CO | Field Survey Lead
- 12th Street Outfall: Phase 1A SUE, Greeley CO | Field Survey Lead
- North Vista Highlands Development, Pueblo, CO | Field Survey Lead
- SUE for ITS Poles in CDOT R4 (subconsultant CDOT Traffic Engineering NPS Task order), Weld County, CO | Field Survey Lead
- WCR 66 Corridor SUE and Conceptual Alignment, Greeley, CO | Field Survey Lead
- SUE Services for the Lucent Blvd/Plum Valley Lane, Douglas County, CO | Field Survey Lead
- Clifton, 1st Street, and Camp Avenue Improvements SUE (subconsultant), Mesa County, CO | Field Survey Lead



MARC HENDRICKS

Designating and Locating Supplemental Support

Marc is ARS's Director of Utilities and has more than 20 years of experience in the SUE industry. He started his career as a field designator and understands all the pieces required—both in the field and in the office—to produce a highly accurate SUE deliverables for multiple public and private clients across multiple states. He leads ARS's SUE department, overseeing all field and office staff. He has successfully completed over one thousand Level A test-holes and over 2 million LF of Level B designating.

EDUCATION
H.S. Diploma,
Prosper High School

**LICENSE/
CERTIFICATION**
TxDOT
Precertification
Category 18.3.1:
Utility Adjustment
Coordination

TxDOT
Precertification
Category 18.6.1:
Utility Management
& Coordination
Oversight

RELATED PROJECT EXPERIENCE:

- Plano Screening Wall SUE – Jomar Alley and Custer Alley, Plano, TX | SUE Lead
- Garland SUE – Wastewater Improvements in Nine Alleys, Garland, TX | SUE Lead
- TxDOT US 60 – SUE Services, Hereford, TX | SUE Field Crew Manager
- TxDOT I-10 – SUE, Columbus, TX | SUE Field Crew Manager
- TxDOT I-10 – SUE, Sealy, TX | SUE Field Crew Manager
- TxDOT FM 890 – SUE, Wichita Falls, TX | SUE Field Crew Manager
- TxDOT FM 565 – SUE, Baytown, TX | SUE Field Crew Manager
- TxDOT I-35 – SUE, Laredo, TX | SUE Field Crew Manager
- TxDOT I-35 – SUE, Gainesville, TX | Field Crew Manager
- TxDOT US 190 Bypass, Waco, TX | Utility Coordination and Subconsultant Manager





HORROCKS
ENGINEERS

UNDERSTANDING OF PROJECT SCOPE

APPROACH

The Downtown Alley program underway in the City of Glenwood Springs brings important community- focused improvements to the downtown core. These improvements will serve as a catalyst to vitalize and energize this pedestrian-friendly network. The alleys serve an important function to bring access to businesses within the downtown core, but have become a visual deterrent to the community's connectivity. Bringing a more welcoming setting for social interaction with aesthetic enhancements, similar to the setting under the Grand Avenue bridge, these alleys can become a source of pride and welcome visitors to a more vibrant place.

It is encouraging to see the City identify the need to address utilities as an important component to accomplishing the goals of the alley revitalization program through this sub-project RFP. There is a heavy utilities presence in the identified alleys, and accurately and thoroughly identifying them will be of paramount importance. Utilities continue to be one of the top risk factors associated with infrastructure construction, and that is definitely the case in this setting. Colorado legislation SB 18-167, enacted in 2018 and guided by ASCE Standard Guideline 38-02 (Collection and Depiction of Existing Subsurface Utility Data), was an important step forward in addressing the extraordinary challenges with locating underground utilities so that they are known and addressed before impacting construction schedules. That legislation spurred a massive response from industry firms seeking to capitalize on the business opportunities associated with the growing attention to utility locating. The unfortunate result was that many companies were ill-prepared to address these challenges and ended up causing significant issues—schedule delays, increased costs, slow response, and poor quality—that have impacted efficient project delivery. Amid this performance environment a handful of quality-first firms are rising above the rest. Horrocks is proud to stand on our record of quality service by delivering dozens of SUE projects across Colorado.

Horrocks' utilities team of 50+ staff, with a core team based in Colorado, is prepared to provide SUE QL D-A as well as utility coordination and engineering for ultimate integration with the project's design needs. With experience working within constrained and utility-intensive sites, we are prepared with the appropriate tools to complete the services efficiently and safely amid the businesses, residents, and visitors' access needs. We have been serving numerous municipalities around the state to build our comprehensive experience and are prepared to deliver exceptional SUE services for COGS. Adding our teammate ARS's SUE resources provides us the depth of capability to deliver on an aggressive schedule.



Block 43 utilities



Block 44 electric manholes

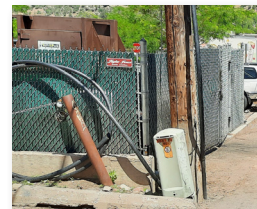


Block 45 meters, utility cabinets, vehicular access, residential and commercial waste service

SUBSURFACE UTILITY ENGINEERING SERVICES

EXTENSIVE UNDERSTANDING GUIDES OUR APPROACH

There are many elements of understanding that contribute to the overall approach. In-depth knowledge of elements such as setting, history, stakeholders, issues, challenges, risks, and even scope of services provide important contributions to how we formulate our approach. Our initial step is to bring all of these elements of understanding together to determine complexity and risks associated with providing the needed services. Our site visit revealed an extensive array of aboveground and underground utilities. Some of the identified utilities and utility features include:



UTILITIES AND UTILITY FEATURES

Electric: poles, manholes, pedestals, high voltage cabinets, transformers

Gas: meters, manholes

Telephone: pedestals, drops

Storm and sanitary sewer

Cable television

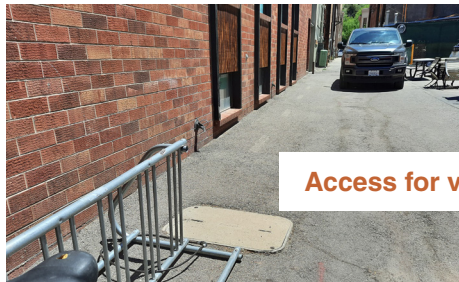
Fiber optic

SUBSURFACE UTILITY ENGINEERING SERVICES

The site visit also revealed several specific challenges that need to be addressed in our approach. The following provides highlights of some of those challenges:

CHALLENGE

APPROACH



(1)

Access for vac truck

Leverage smaller equipment including trailer-mounted systems



(2)

Maintaining business access and service

Consider nighttime work



(3)

Disruption of pedestrian network

Advanced signage to help pedestrians navigate around work areas



(4)

Noise impacts to Residents/Businesses

Coordinate with COGS to balance business access and residential noise impacts



(5)

Delivering on schedule

Leverage multiple teams to accelerate locating, particularly acquiring needed test-holes

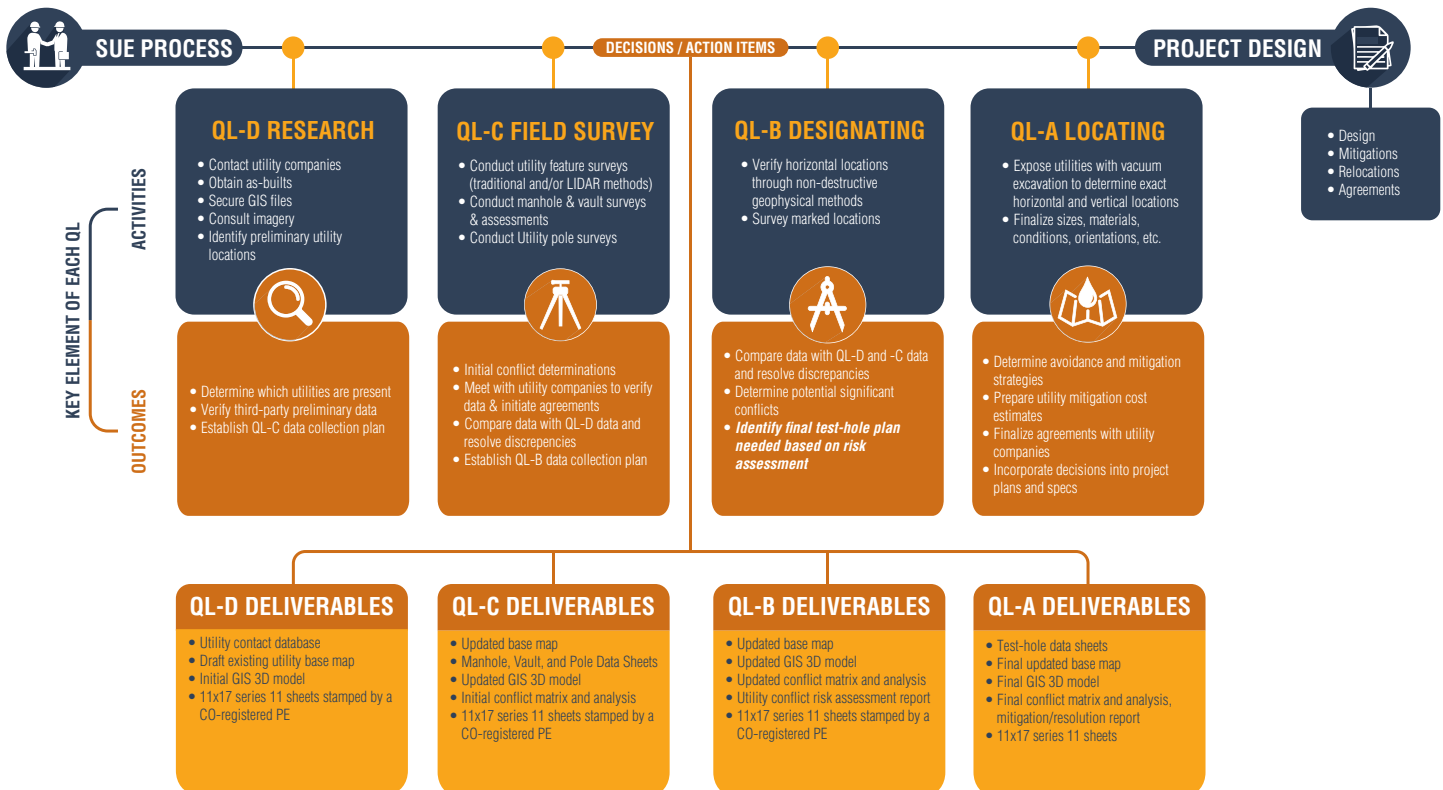
SUBSURFACE UTILITY ENGINEERING SERVICES

THE HORROCKS SERVICE-ORIENTED APPROACH

The first step in our approach is to bring a comprehensive, highly qualified, experienced, and driven staff that is relentless in delivering quality services. This staff is very comfortable with SUE processes and Horrocks' delivery approach and, through experience, have steadily improved their efficiency with every project. Our delivery approach is founded on the following core principles:



SUE SERVICES



Horrocks' SUE process graphic above provides a succinct description of our QL-D through QL-A services. Our services include highly capable field staff that capture and record the field data efficiently and effectively in any needed format. Our field teams collect the utility field information and then process the data into CAD deliverables that document the data in structures sheets, test-hole sheets, and 3D CAD files that depict the data with correct symbology so that lines are differentiated easily. The linework also includes data tags for the type and quality of utility, and the level of SUE acquired. We have found that using the elevation in the 3D file can greatly help with identifying utility conflicts. It also provides a very useful mechanism for quality checking the files to ensure accuracy. Prior to sending any files to our clients we execute a comprehensive quality check to provide file quality confidence.

SUBSURFACE UTILITY ENGINEERING SERVICES

As indicated earlier, our preliminary assessment of the project site indicates several notable features over the approximately 0.5-mile length of alleys across blocks 43, 44 and 45. There are significant electric, gas, sewer, telephone, fiber optic and water assets throughout the area with numerous business service contacts. The following is our typical process for SUE QL D-A. We understand COGS will provide QL D-C information at project start. We are highlighting our full SUE process depicted in the process graphic with the understanding that QL D and C services may not be necessary:

Quality Level D Tasks – If needed to supplement COGS-provided data, we will start our utility investigation services with QL-D. This base utility mapping comes from existing utility records, schematics, or verbal recollections. Though unreliable for design and construction purposes, it can be very valuable when trying to identify and determine where to look for utilities in the field. Our team will submit a SUE notification ticket to Colorado 811 as part of this task.

Record Research and Compilation – We will review current project information and then supplement it as needed, by obtaining City, County, and utility owner records. We will contact and coordinate with stakeholders to collect data, which shows the existence and approximate locations of their utilities within the right-of-way. We will plan to meet with the utility company's staff to further understand the location, age, condition, and attributes of their utilities. All information gathered as part of the QL-D effort will be compiled in CAD. Each utility company's information will be transferred to a distinct QL-D layer (e.g., Town 8in WTR- QLD"). By having a separate layer for each utility's QL, we will be able to overlay and compare data from the different QLs for every utility owner. This process greatly assists in determining correct locations, duplicate lines, and previously unknown facility locations. We will place QL-D utility information accurately from the drawings and records in reference to the survey control for the project. We will use professional judgment, communication, and coordination with the utility owner to resolve conflicting or previously unknown information.

Quality Level C Tasks – QL-C is probably the most commonly used level of information and involves surveying visible utility features like manholes, storm drain inlets, valve boxes, and pedestals. This information is correlated with the utility records obtained during the QL-D effort. It is not unusual during this phase of work to find that many underground utilities have been either omitted or erroneously plotted. Therefore, QL-C data is primarily used to identify above ground utility features and ensure that each is accounted

for on the project plans.

Existing Features Survey – Horrocks will identify and survey surface utility features within the project boundaries. If COGS has already performed this work or has information from aerial mapping, we will perform a field check of the data and supplement the survey as needed. All survey information will be tied to the County's survey control for the project.

Manhole, Storm Drain, and Sewer Condition Assessments – As part of the QL-C work, information will be gathered on all vaults, manholes, and storm drain inlets. This work will include the determination of invert elevations and interior dimensions. Unusual structures will be sketched in the field and will show interior dimensions and line connections. Our team is certified in NASSCO's PACP (Pipeline Assessment Certification Program) and MACP (Manhole Assessment Certification Program), and have inspected and assessed thousands of sewer, storm drain, and communication vaults. Our certified operators and engineers can determine the pipelines structural condition and ability to withstand loading.

Information Resolution – As information is gathered during the QL-C phase, it will be compiled in CAD. Each utility company's information will be transferred to a distinct QL-C layer. QL-C information will then be overlaid on top of and compared to data from QL-D information for each utility owner and type. Professional judgment will be used to correlate data and resolve conflicting information.

Quality Level B Tasks – This effort utilizes surface geophysical methods to determine the existence and horizontal position of utilities. Our team has all of the necessary equipment and experienced personnel to perform this activity typically called "designating." Experienced field crew personnel will select and use the appropriate method(s) and equipment to search for and detect subsurface utilities. We will use GPR to locate lines known to exist, but not detected using standard equipment. Designating will correct many problems caused by inaccurate utility records, abandoned or unrecorded facilities, and lost references.

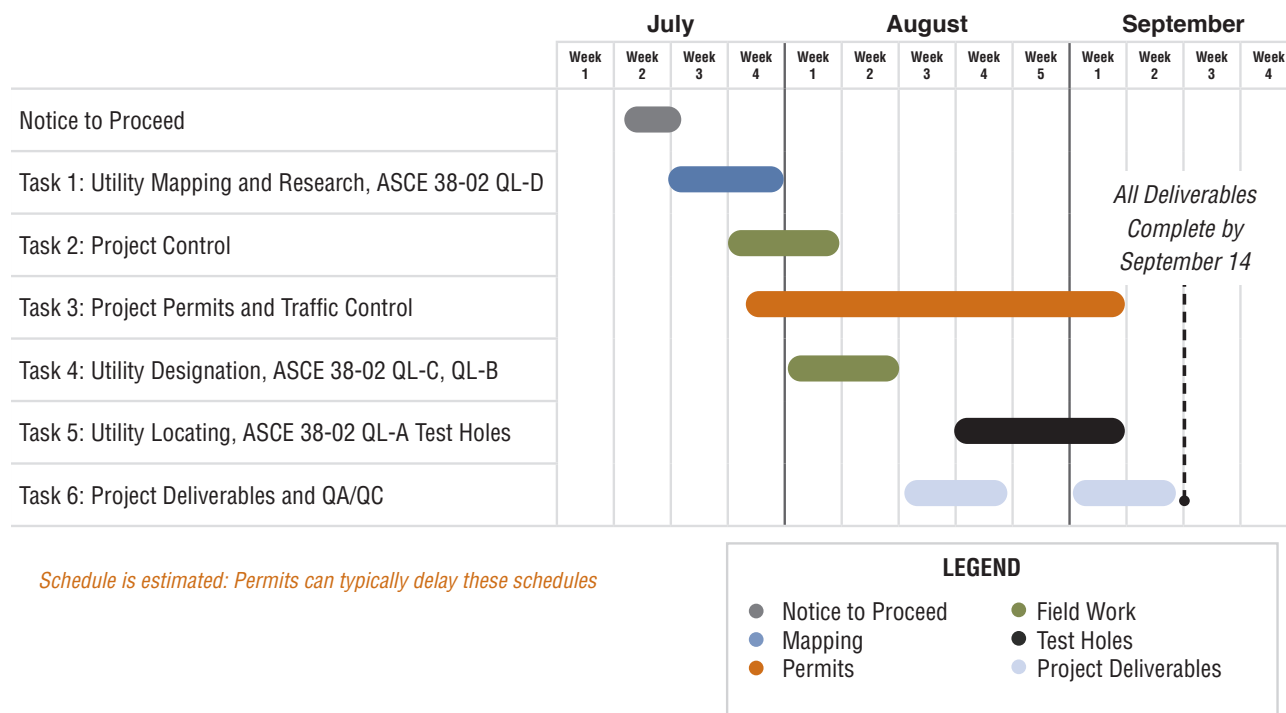
SUBSURFACE UTILITY ENGINEERING SERVICES

Field Designating and Surveying – Achieving accurate QL-B data is critical and Horrocks exercises great care in marking and surveying the field designated utilities. Indications of utilities will be marked on the ground surface for subsequent survey, utilizing the same marking methods and colors recommended by USA North/Blue Stakes, Colorado 811, and the Common Ground Alliance. The centerline of single-conduit lines will be marked, and the outside edges of multi-conduit systems will be marked with a horizontal accuracy of +/- 1.5 feet as prescribed by ASCE standards. As markings can disappear quickly, we will survey the markings within 48 hours of designating.

Quality Level A Tasks/ Locations of QL-A Test-Holes – Horrocks typically does not determine how many test-holes will be needed at the outset of a project as we do not know yet where they will be needed. We do regularly provide an estimate at the outset for budgeting purposes and usually adjust that estimate as the project design develops. As addressed in Addendum 1, we have included 57 test-holes in our estimate. Once we are able to perform the SUE field investigating to QL-B we will then perform a conflict analysis. Once this is completed, the Horrocks team will be more prepared to identify the most effective locations to perform QL-A test-holes. **A major advantage that Horrocks offers COGS is that the test-holes are performed by our staff with our equipment. This full-service offering saves cost, time, and the eventual coordination and information exchange challenges that comes with using third-party providers.** We have supplemented our field crews with assets from our partner ARS to accomplish any schedule objective. In addition, the Horrocks utility team includes experienced engineers available to assist in utility relocation design and mitigation strategies. These services include water, sewer, storm drain, gas, and telecom engineering. This approach saves time and money for our clients.

SCHEDULE

Horrocks' SUE team is prepared and available to begin work immediately following the target award date of July 7, 2022. With our local resources fully committed to the project, we anticipate project completion by September 14, 2022, well before the desired October completion date.





HORROCKS
ENGINEERS

EQUIPMENT

SUBSURFACE UTILITY ENGINEERING SERVICES

EQUIPMENT

We can meet all equipment and personnel needs as outlined in the RFP. Major equipment that our Colorado SUE staff utilizes, if needed, can be supplemented by similar equipment located in our Utah offices. While equipment is housed in their respective offices, it is available to support any Horrocks project. We determine when it is most cost-effective to locally secure or deploy from regional offices specific equipment as needed to maintain a project schedule and budget. As a full-service civil engineering firm, Horrocks maintains a comprehensive computer network, office PCs, laptops, and portable devices that powers the work of the entire firm.

Horrocks Colorado Equipment

Locating:	International VacMaster Vac Truck (1)
Designating/Surveying:	Field Truck (3) Rigid ST-510 utility locate transmitters with inductive clamps (3) Rigid SR60 utility locate receivers (3) Trimble R-8 TSC7 Data Collector (1) Schonstedt Magnetic Gradiometer (1) RD 8100 utility locate transmitter with inductive clamps (1) Manhole safety equipment
GIS and CADD Software:	ArcGIS Enterprise Suite Network Analyst Spatial Analyst 3D Analyst FME CAD software (MicroStation Power InRoads, Open Roads, AutoCAD Civil 3D, REVIT, InRoads)
Business Operations:	Microsoft Suite for operations and communications including Teams, Project, Sharepoint applications Deltek Vantagepoint for invoicing and reporting

Horrocks Utah Equipment

Locating:	International VacMaster Vac Truck (4) Hilti Core Drill DD250 (4) Pneumatic/Air Tampers (4)
Designating/Surveying:	Rigid SR60 utility locate receivers (12) Rigid ST-510 utility locate transmitters with inductive clamps (12) RD 8100 utility locator (3) RD 8100 utility locate transmitter with inductive clamps (3) ULTRA-TRAC Acoustic Pipe Locator (2) Di-Electric Pole Extenders for clamps (15) Jameson 500-foot Push Rod (2) Schonstedt Magnetic Gradiometer (7) Manhole cover lifter (15) Confined Space and OSHA certifications (15) Impulse Radar Pinpointer GPR (2) Single Beam Sonar Hydrolight-TM (1) Leica Pegasus2 Mobile Mapper Leica Scanstation P40 Leica Scanstation C10 Trimble R-10 and R-12 GPS Rovers (14) Trimble S6 1-inch Robotic Total Stations (3) Trimble VX 1-inch Robotic Total Station Trimble GPS Base Stations (3) Trimble Dini's (3) Trimble TSC7 Data Collectors (14) Utah VRS subscriptions (14) Video/camera trailers (2) 200-foot wire for remote grounding

ARS Equipment (Supplemental)

Locating:	Kenworth Vacmaster 4000 Vac Truck (1) Dodge Vacmaster 4000 Vac Truck (1)
Designating/Surveying:	Ford F-150 Trucks (3) Dodge 2500 Trucks (2) RD Tx-10 transmitters with 8100 receivers (4) Trimble R12i GPS Units W/2 TDC 600 Data Collectors (4) and TSC5 Data Collectors (2) Metrotech 810s (4) GPR Unit (1) S5 Total Station (1) S6 Total Station (1)
GIS and CADD Software:	MicroStation (dgn), Power Geopak (dgn), Google Earth (kmz,kml), DWG Viewer
Business Operations:	ProjectWise, Connection Client, Bluebeam (pdf), Microsoft Suite (Word, Excel, Outlook, etc.)



HORROCKS
ENGINEERS

FEE SCHEDULE

ENGINEERING SERVICES-SUBSURFACE UTILITY ENGINEERING

FEE SCHEDULE

Provided below is Horrocks' task and labor hour breakdown of cost for the Downtown Alleyway SUE project. Summary tables for each project area using COGS-provided format are provided on the following page.

HORROCKS - COSTS FOR SUE SERVICES													
CLIENT: City of Glenwood Springs													
PROJECT: Glenwood Alleyways													
Date: June 13, 2022													
TASK DESCRIPTION	Senior Principal Engineer	Project Manager	Engineer III	Senior GIS Analyst	Field Technician IV	Sr. CAD Technician	Field Technicians (2-Man Crew)	Utility Coordinator	Sr. Design Technician II	Sr. Administrative Assistant	Licensed Surveyor	Total Task Hours	Cost per task
Hourly Rates - 2022	\$ 270.00	\$ 208.00	\$ 176.00	\$ 140.00	\$ 133.00	\$ 120.00	\$ 300.00	\$ 180.00	\$ 159.00	\$ 110.00	\$ 119.00	N/A	
Scope of Work													
Task 1 Project Management and Utility Coordination	2	2			8			4		1		17	\$ 2,850.00
Task 2 Utility Mapping and Research, ASCE 38-02 QL-D					4			1		14		19	\$ 2,252.00
Task 3 Project Survey Control					2						4	6	\$ 742.00
Task 4 Project Permits and Traffic Control					4							4	\$ 532.00
Task 5 Utility Designating, ASCE 38-02 QL C & QL B							72					72	\$ 21,600.00
Task 7 SUE Deliverables												0	\$ 15,516.00
CAD electronic base file						16						16	\$ 1,920.00
Utility Sheets					4				24			28	\$ 4,348.00
Utility Conflict Matrix		6	24									30	\$ 5,472.00
Test Hole Sheets				8	4				4			16	\$ 2,288.00
QA/QC of Deliverables	2	2			4							8	\$ 1,488.00
Hours Subtotal:	4	10	24	8	30	16	72	5	28	15	4	216	
Fee Subtotal:	\$ 1,080.00	\$ 2,080.00	\$ 4,224.00	\$ 1,120.00	\$ 3,990.00	\$ 1,920.00	\$ 21,600.00	\$ 900.00	\$ 4,452.00	\$ 1,650.00	\$ 476.00	\$ 43,492.00	\$ 43,492.00
Test Holes													
Task 6 Utility Locating, ASCE 38-02 QL-A: Test Holes									Holes	Unit	Cost/Hole	Total Cost	
Task 6 Utility Locating, ASCE 38-02 QL-A: Clearance Holes									57	each	\$1,300	\$74,100	
									0	each	\$3,500	\$0	
Sub-consultant:													
Traffic Control (3rd Party)													
Expenses:													
	Lodging			Mileage									
	Nights	\$/Night	Total	Miles	\$0.59/mile								
Task 5:	15	\$150	\$2,250	650	\$384								
Optional Task 6: requires 2 vehicles (VAC truck and regular truck)	20	\$151	\$3,020	1300	\$767								
												TOTAL PROJECT COST:	\$ 46,126
												TOTAL PROJECT COST INCLUDING ESTIMATED TEST-HOLE COST:	\$ 124,013

Cost Assumptions:

The base cost does not include QL-A services (Test-Holes). The cost for these services is shown as an optional task (Task 6). If needed, we identify the following as potential costs.

Standard Test-holes - assume 15 holes based on RFP. Additional holes, if needed, will be determined during design development.

Clearance Holes - wider hole, typically done with additional holes in an X pattern. Assume 0 holes for now. Additional holes, if needed, will be determined during design development.

CAD file will not be 3D. Each utility will have symbology designating the type, owner, material, etc. 3D file can be developed if needed. Scope and costs can be added by addendum.

Traffic control can be added by a change order.

City of Glenwood Springs



SUBSURFACE UTILITY ENGINEERING SERVICES

FEE SCHEDULE - BLOCK 43			
Scope Item	Number of Hours	Hourly Rate	Total Cost
Designating	24	\$300 (2-Man Crew)	\$7,200
Locating	19 test-holes	\$1,300 per hole	\$24,700
Data Management	38	\$151.13	\$5,473
Design Analysis and Recommendations	10	\$182.40	\$1,824
Total	72	-----	\$39,197

FEE SCHEDULE - BLOCK 44			
Scope Item	Number of Hours	Hourly Rate	Total Cost
Designating	24	\$300 (2-Man Crew)	\$7,200
Locating	19 test-holes	\$1,300 per hole	\$24,700
Data Management	38	\$151.13	\$5,473
Design Analysis and Recommendations	10	\$182.40	\$1,824
Total	72	-----	\$39,197

FEE SCHEDULE - BLOCK 44			
Scope Item	Number of Hours	Hourly Rate	Total Cost
Designating	24	\$300 (2-Man Crew)	\$7,200
Locating	19 test-holes	\$1,300 per hole	\$24,700
Data Management	38	\$151.13	\$5,473
Design Analysis and Recommendations	10	\$182.40	\$1,824
Total	72	-----	\$39,197

Expenses are not included in the COGS-provided chart.



City Council
STAFF REPORT
City of Glenwood Springs
August 18, 2022

Agenda Item:	Adoption of Small and Large Transportation Plan -Transportation Commission Priorities
Action Requested:	Adoption of the 2023 Transportation Commission Project Goals
Department:	Engineering
Presented By:	Terri Partch
Strategic Goals:	Preserve and Improve Infrastructure
Background Info:	The Transportation Commission annually recommends a small and large capital project priority list to the City Council for budgeting consideration. These are the Commission's projects and recommendations for 2023: Large projects: #1 – South Bridge #2 – 27th Street/Glen Avenue bicycle-pedestrian underpasses complete installation in 2023 #3 – 6&24 shared-use path full reconstruction of functional bicycle-pedestrian path from Donegan to Linden #4 – 6th Street reconstruction (Olive to Maple) to include on-street and separated bicycle facilities; reconfigure/reconstruct bicycle-pedestrian crossing at Laurel Avenue #5 – 8th Street reconstruction (Pitkin to river bridge) to widen two lanes; center median; two 10'-wide shared use paths Small Projects: #1 – 8th&Midland safety improvements widen east-side sidewalk along Midland Avenue, Overlin Drive to 8th Street, to full-width path; evaluate reconfiguration of merge lane to improve pedestrian safety and access #2 – rapid flashing beacons (four locations) I-70 exit 114 westbound off-ramp; 8th @ 7th crosswalk; Highway 6&24 @ Soccer Field Road – bus stop; Wulfsohn Road @ West Midland; Highway 6&24 @ CR135 – bus stop #3 – 12th Street (Riverside) reconstruction/repaving to remove metal bars parallel to east edge of River Trail; remove railroad rails and worn crossing pads; repair or replace damaged pavement, full length of street between trail and Pitkin Avenue #4 – 10th Street school-access safety improvements on-street bicycle facilities; constructed bulb-outs; warning lights; reduced car parking near corners (sight distance) Policies and narrative: Include updated cost estimates in budget documents for all projects, large and small. Name all ranked projects, large and small, in city budget documents. Continue programmatic evaluation and work on transportation programs and services, including: Transportation Demand Management; parking management; rebranding Ride Glenwood Springs; bike-share network; seasonal tourist circulator.
Issues:	Staff discussion about project estimates.
Fiscal Impact:	To be determined throughout the budget process.

Legal Review: NA

Staff Recommendation: Approve the Transportation Commission's Small and Large Project Priorities List for 2023

City of Glenwood Springs Transportation Commission
Recommendation: Long Range Transportation Plan annual review
unanimously approved by Transportation Commission July 5, 2022

Transportation Commission recommends Glenwood Springs City Council approve the following priority rankings, and narrative clarifications, for inclusion in the city's 2023 budget documents:

Large projects

- #1 – south bridge
- #2 – 27th Street/Glen Avenue bicycle-pedestrian underpasses
complete installation in 2023
- #3 – 6&24 shared-use path reconstruction
full reconstruction of functional bicycle-pedestrian path from Donegan to Linden
- #4 – 6th Street reconstruction (Olive to Maple)
*include on-street and separated bicycle facilities;
reconfigure/reconstruct bicycle-pedestrian crossing at Laurel Avenue*
- #5 – 8th Street reconstruction (Pitkin to river bridge)
widen two lanes; center median; two 10'-wide shared use paths

Small projects

- #1 – 8th&Midland safety improvements
widen east-side sidewalk along Midland Avenue, Oberlin Drive to 8th Street, to full-width path; evaluate reconfiguration of merge lane to improve pedestrian safety and access
- #2 – rapid flashing beacons (four locations)
I-70 exit 114 westbound off-ramp; 8th @ 7th crosswalk; Highway 6&24 @ Soccer Field Road – bus stop; Wulfsohn Road @ West Midland; Highway 6&24 @ CR135 – bus stop
- #3 – 12th Street (Riverside) reconstruction/repaving
remove metal bars parallel to east edge of River Trail; remove railroad rails and worn crossing pads; repair or replace damaged pavement, full length of street between trail and Pitkin Avenue
- #4 – 10th Street school-access safety improvements
on-street bicycle facilities; constructed bulb-outs; warning lights; reduced car parking near corners (sight distance)

Policies and narrative

Include updated cost estimates in budget documents for all projects, large and small.

Name all ranked projects, large and small, in city budget documents.

Continue programmatic evaluation and work on transportation programs and services, including: Transportation Demand Management; parking management; rebranding Ride Glenwood Springs; bike-share network; seasonal tourist circulator.