



AGENDA
CITY OF GLENWOOD SPRINGS
REGULAR CITY COUNCIL MEETING
MAY 2, 2024
101 W. 8TH STREET
6:15 p.m.

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.

WORK SESSION

3:00	1. Capital Funds Update	Information/Discussion
3:30	2. Update on Three Mile Park Project	Information/Discussion
4:15	3. Update on Sayre Park Project	Information/Discussion
4:45	4. Update on Downtown Circulator	Information/Discussion
5:15	5. Break to get Dinner	
5:30	6. Update from Parks Department Summer Events	Information/Discussion

ZOOM INSTRUCTIONS

Please click the link below to join the webinar:

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REGULAR SESSION

7. Roll Call
 8. Agenda Changes & Conflicts
 9. Council Announcements
 10. Citizens Appearing Before Council (for items not on the Agenda-comments limited to 3 minutes)
 11. Consent Agenda
 - A. April 18, 2024 Council Minutes
 - B. Urban Sustainability Directors Network Grant
 12. Proclamation for Wildfire Preparedness Month
- Presentation

ACTIONS AND/OR PRESENTATIONS

13. South Bridge Update
 14. Ordinance 2024-08; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, IMPOSING A TEMPORARY MORATORIUM ON THE ACCEPTANCE AND
- Information/Discussion
Discussion and/or Action

PROCESSING OF DEVELOPMENT APPLICATIONS FOR RESIDENTIAL OR MIXED-USE
PROJECTS OF MORE THAN FOUR RESIDENTIAL UNITS WITHIN THE GEOGRAPHICAL
LIMITS OF THE CITY

- | | |
|--|--------------------------|
| 15. Ordinance 2024-09; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, AMENDING THE GLENWOOD SPRINGS MUNICIPAL CODE REGARDING
THE REGULATION AND PERMITTING OF ACCESSORY TOURIST AND SHORT-TERM
RENTALS IN THE CITY | Discussion and/or Action |
| 16. Ordinance 2024-10; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, AMENDING SECTIONS 100.010.090 and 100.010.100 FOR ANIMAL AND
WILDLIFE PROTECTION REGARDING SOLID WASTE COLLECTION | Discussion and/or Action |
| 17. Report from City Administration | |
| A. City Manager | |
| B. City Attorney | |
| C. Correspondence Incoming/Outgoing | |
| 18. Council Comments | |
| 19. Council Social Event Location | |
| 20. Adjournment | |

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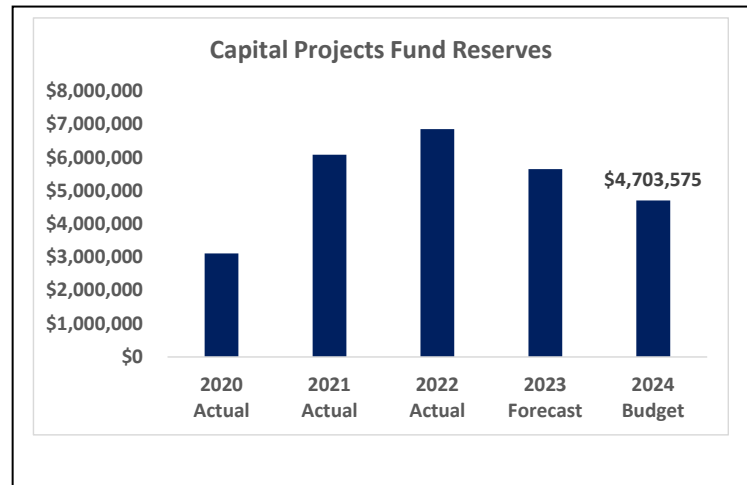
City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item:	Capital Funds Update
Action Requested:	NA
Department:	City Administration
Presented By:	Steve Boyd
Strategic Goals:	Provide Efficient and Responsive City Government Preserve and Improve Infrastructure Protect and Preserve our Quality of Life Ensure Public Safety
Background Info:	Brief update on funds available for allocation in the Capital Projects Fund and Acquisition and Improvement (A&I) Fund.
Issues:	NA
Fiscal Impact:	NA
Legal Review:	NA
Staff Recommendation:	NA

Capital Projects Fund

Reserves

The Capital Projects Fund is where we purchase vehicles and equipment, and fund projects that are managed by departments in our General Fund. Technically, our General Fund earns 2.0% (out of a total of 3.7%) of annual sales tax, allocated 75% to operations which we usually refer to as the General Fund, and 25% to Capital which we call the Capital Projects Fund. The primary users of this fund are General Government (primarily information technology (IT), Parks and Recreation, Police, and streets/SWAT. The forecasted year-end available fund balance is approximately \$280,000. However, there are two substantial things that must be pointed out for the reader to have a good understanding of fund reserves:



1. We have accumulated \$1.4 million in Parkland Fees that are restricted to be spent only on qualified expenditures, which are the improvements and upgrades to areas that are open to public enjoyment. This amount is not included in the "Available Fund Balance". For example, if we replace playground equipment in a park we will recognize the expenditure as always, but will release that amount from the parkland fees reserve so that the available fund balance is not impacted.
2. Also not included in the available fund balance is a \$2.5 million reserve that we put in as an informal reserve floor. These are resources that are not budgeted for a specific purpose and that are not expected to be appropriated at the time the budget is adopted. Those funds are, however, available to Council for appropriation to any purpose allowable in the Capital Projects Fund by a simple majority vote.

Revenue

The primary source of revenue is sales and use tax, forecasted in 2024 at \$4.0 million. Another revenue stream in this fund comes from parkland fees paid by developers when a project infringes on public open space. These funds are in a reserve mentioned above and are dedicated to capital improvements of such amenities. Where possible, we must use those funds first if the expenditure qualifies. Sometimes we have other revenues from a grant or from a developer or private business owner who contributes to the cost of a project where are portion of it benefits only that entity. Both of these are somewhat rare in the Capital Projects Fund. In 2023 we were awarded a substantial forestry grant that will provide \$100,000 per year to the City for the next 6 years for the planting, maintenance and education of our tree canopy throughout the City. The grant requires a match of \$100,000 from this fund and is budgeted accordingly.

Expenditures

In very rough terms you can think of our Capital Projects Fund being spent in three areas:

1. Equipment and projects for Streets, Police, General Government and Parks,
2. Contributions to the Fleet Fund for the purchase of vehicles, and
3. Operation of the Special Work Activities Team (SWAT) that manages most of the in-house construction needs related to projects funded here.

On an annual basis we generally invest in our technology; specifically servers, switches, electronic doors and computer replacement cycle. In addition to vehicle replacement, we usually have an annual appropriation to keep up with fitness equipment in the Community Center, playground equipment, restrooms and other structures in City parks, and building improvements in City Hall, the Arts Center, Parks Headquarters and Community Center. In 2024 we also have budgeted some major repairs needed in the parking garage located at 9th and Grand. The total is \$450,000 with \$175,000 being contributed by the General Improvement District (GID).

CAPITAL PROJECTS FUND

	2020 Actual	2021 Actual	2022 Actual	2023 Forecast	2024 Budget
Revenue	\$1,190,479	\$5,280,936	\$3,915,126	\$3,965,241	\$4,566,475
Expenditures	<u>(\$2,232,578)</u>	<u>(\$2,314,445)</u>	<u>(\$3,144,922)</u>	<u>(\$5,165,623)</u>	<u>(\$5,510,018)</u>
Change in Fund Balance	<u>(\$1,851,599)</u>	\$2,966,491	\$770,204	<u>(\$1,200,382)</u>	<u>(\$943,543)</u>
Beginning Fund Balance	\$4,962,401	\$3,110,805	\$6,077,296	\$6,847,500	\$5,647,118
Ending Fund Balance	\$3,110,802	\$6,077,296	\$6,847,500	\$5,647,118	\$4,703,575
Reserves					
Parkland Fees	<u>(\$639,490)</u>	<u>(\$1,136,189)</u>	<u>(\$1,460,815)</u>	<u>(\$1,393,157)</u>	<u>(\$1,393,157)</u>
Water Storage Fees	<u>(\$2,290)</u>	<u>(\$2,290)</u>	<u>(\$2,290)</u>	<u>(\$2,290)</u>	<u>(\$2,290)</u>
Public Art (1% of projects)				<u>(\$51,391)</u>	<u>(\$137,697)</u>
Springridge Parkland	<u>(\$305,912)</u>	<u>(\$334,786)</u>	<u>(\$340,561)</u>	<u>(\$340,561)</u>	<u>(\$340,561)</u>
Glenwood Park Fees	<u>(\$3,375)</u>	<u>(\$3,375)</u>	<u>(\$3,375)</u>	<u>(\$3,375)</u>	<u>(\$3,375)</u>
Contingency Reserve (FAB)	<u>(\$2,000,000)</u>	<u>(\$2,000,000)</u>	<u>(\$2,000,000)</u>	<u>(\$2,500,000)</u>	<u>(\$2,500,000)</u>
Employee Retention Reserve	<u>\$0</u>	<u>(\$45,000)</u>	<u>(\$45,000)</u>	<u>(\$45,000)</u>	<u>(\$45,000)</u>
Available Reserves	\$159,735	\$2,555,656	\$2,995,459	\$1,311,344	\$281,495
Cash Balance as of 12/30/22	\$6,317,272				

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
31 CAPITAL PROJECTS - 00						
3100020-41210	GENERAL SALES TAX	\$3,045,966	\$3,356,177	\$3,354,430	\$3,770,696	2022 Actual with 7% increase in 2023 and 5% in 2024
3100020-41310	USE TAX	\$114,267	\$180,779	\$70,270	\$180,779	Set at 2022 Actual
		\$3,160,232	\$3,536,957	\$3,424,700	\$3,951,475	
31 CAPITAL PROJECTS - 00						
3100060-41220	AUDIT REVENUE	\$38,386	\$13,611	\$40,541	\$40,000	
3100060-42420	CREDIT CARD CONVENIENCE FEES	\$201	\$253	(\$0)	(\$0)	
3100060-43510	INTEREST	\$8,653	(\$31)	\$50,000	\$50,000	
3100060-43710	CONTRIBUTIONS/DONATIONS	\$500	\$500	(\$0)	(\$0)	
3100060-44130	MISCELLANEOUS	\$5,372	\$3,436	(\$0)	(\$0)	
3100060-44325	TRANSFER FROM LANDFILL	\$25,000	(\$0)	\$25,000	\$25,000	
3100060-44385	TRANSFER FROM WA/SW	\$50,000	\$30,000	\$50,000	\$50,000	
3100060-44390	TRANSFER FROM ELECTRIC	\$50,000	(\$0)	\$25,000	\$25,000	
		\$178,112	\$47,770	\$190,541	\$190,000	
31 CAPITAL PROJECTS - 00						
3100040-42310	GRANTS	\$39,978	(\$0)	\$100,000	\$100,000	Community Forestry Grant for Tree Planting, Maintenance and Education
		\$39,978	(\$0)	\$100,000	\$100,000	
31 CAPITAL PROJECTS - 00						
3100070-44370	TRANSFER FROM GENERAL FUND	\$1,377,040	(\$0)	(\$0)	(\$0)	
		\$1,377,040	(\$0)	(\$0)	(\$0)	
31 CAPITAL PROJECTS - 30 PUBLIC WORKS						
3130030-42424	PARKLAND FEES - SPRINGRIDGE	\$28,874	\$5,775	(\$0)	(\$0)	
3130030-42425	PARK LAND FEES	\$496,699	\$324,626	\$500,000	\$325,000	
		\$525,573	\$330,401	\$500,000	\$325,000	
		\$5,280,935	\$3,915,127	\$4,215,241	\$4,566,475	

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
31 CAPITAL PROJECTS - 000						
3110-55910	TRANSFER TO FLEET SERVICE	\$0	\$0	\$42,000	\$0	
3110-59520	CAPITAL OUTLAY	\$0	\$0	\$610,500	\$0	
3110-60000	PROJECTS	\$421,969	\$565,585	\$333,723	\$120,000	(Finance) - Enterprise Resource Program Module 4 - EnerGov for Community Development
					\$150,000	(IT) - Computer Replacement Cycle
					\$60,000	(IT) - Switch Replacement Cycle
					\$45,000	(IT) - City Hall technology upgrades
					\$85,000	(IT) - Server replacement and redundancy project
					\$235,000	(City Hall) - Door lock hardware and security upgrades and modifications in Municipal Court, Community Development, City Manager Suite, Engineering, Human Resources,/City Clerk Suite, and Council Chambers.
	TOTAL PROJECTS	\$421,969	\$565,585	\$333,723	\$695,000	
	TOTAL 000 -	\$421,969	\$565,585	\$986,223	\$695,000	
31 CAPITAL PROJECTS - 000						
3120-55910	TRANSFER TO FLEET SERVICE				\$220,000	Marked Patrol Units (3)
					\$33,000	15% Processing
		\$0	\$0	\$392,220	\$60,000	Fleet Capital Contribution
	TOTAL TRANSFER TO FLEET SERVICE	\$0	\$0	\$392,220	\$313,000	
3120-59520	CAPITAL OUTLAY	\$0	\$0	\$60,000	\$25,000	Special Weapons and Tactics (SWAT) equipment
3120-60000	PROJECTS	\$0	\$8,560	\$49,000	\$40,000	Additions to flock safety camera project
					\$38,000	Body and car camera upgrades
					\$25,000	Police department flooring
	TOTAL PROJECTS	\$0	\$8,560	\$49,000	\$103,000	
	TOTAL 000 -	\$0	\$8,560	\$501,220	\$441,000	
31 CAPITAL PROJECTS - 000						
3130-55910	TRANSFER TO FLEET SERVICE	\$0	\$0	\$322,800	\$216,000	Streets Trucks
					\$32,400	15% Processing
					\$60,000	Fleet Capital Contribution
	TOTAL TRANSFER TO FLEET SERVICE	\$0	\$0	\$322,800	\$308,400	
3130-60000	PROJECTS				\$700,000	Streets shop building
		\$43,442	\$230,612	\$695,000	\$100,000	South Yard Office and Sign Shop Foundation and Move
					\$125,000	Project Contingency
	TOTAL PROJECTS	\$43,442	\$230,612	\$695,000	\$925,000	
3130-61000	DEPARTMENTAL	\$521	\$0	\$0	\$0	
	TOTAL 000 -	\$43,963	\$230,612	\$1,017,800	\$1,233,400	

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
31 CAPITAL PROJECTS - 000						
3135-55910	TRANSFER TO FLEET SERVICE				\$51,000	Parks Replacement Truck - Chevy Colorado or Ford Ranger crew cab (replacing #27)
					\$51,000	Parks Replacement Truck - Chevy Colorado crew cab- replaces #91
					\$90,000	Parks Replacement Truck - Ford F450 or Chevy 4500 single cab with dump bed - replaces Kodiak dump truck (#23) and Chevy mini-dump (#15)
					\$45,000	Community Center Replacement Truck - Ford Ranger with Tommy Gate (replacing #45)
					\$28,530	15% Processing Parks
					\$6,750	15% Processing Community Center
		\$0	\$0	\$322,600	\$60,000	Fleet Capital Contribution
	TOTAL TRANSFER TO FLEET SERVICE	\$0	\$0	\$322,600	\$332,280	
3135-59520	CAPITAL OUTLAY	\$0	\$0	\$493,520	\$14,000	(2) Parks Trails Equipped E-Bikes w/Trailers
					\$24,000	(3) Parks Replacement Trailers
					\$25,000	Community Center fitness equipment replacements
	TOTAL CAPITAL OUTLAY	\$0	\$0	\$493,520	\$63,000	

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
3135-60000	PROJECTS				\$25,000	Community Center fitness equipment replacements
					\$10,000	Parks standardized signage
					\$100,000	Gregory Park playground replacement
					\$50,000	Wulfsohn trailhead improvements
					\$50,000	Veltus Park upper bathroom repair and remodel
					\$185,000	Community Center Tennis Court lights LED conversion
					\$16,000	Ice Rink bird mitigation
					\$12,000	Aquatic Center deck furniture replacement
					\$25,000	Whitewater deck repair
					\$25,000	RICD water rights planning
					\$50,000	Art Center ADA accessible entrance and door repairs
					\$26,000	Aquatic Center activity pool pump replacement (circulation volute, pump, impeller)
					\$40,000	Community Center ADA doors/openers
					\$20,000	Art Center building signage
		\$455,320	\$983,562	\$2,173,167	\$14,000	(2) Parks Trails Equipped E-Bikes w/Trailers
					\$24,000	(3) Parks Replacement Trailers
					\$300,000	(Rollover) 9th and Cooper Parking Garage Repairs, split with General Improvement District (\$175,000)
					\$450,000	(Rollover) Parks Building Upgrades
					\$200,000	Tree Planting, Maintenance and Education Project (50% funded with USDA Grant)
					\$50,000	12th Street Ditch and Trail Improvements
					\$125,000	Project Contingency
	TOTAL PROJECTS	\$455,320	\$983,562	\$2,173,167	\$1,797,000	
3135-61000	DEPARTMENTAL	\$127,758	\$0	\$0	\$0	
	TOTAL 000 -	\$583,079	\$983,562	\$2,989,287	\$2,192,280	
31 CAPITAL PROJECTS - 000						
3115-60000	PROJECTS	\$0	\$0	\$30,000	\$0	
	TOTAL 000 -	\$0	\$0	\$30,000	\$0	
31 CAPITAL PROJECTS - 000						
3125-60000	PROJECTS	\$0	\$0	\$0	\$37,000	Improvements required for 6F conversion from Vogelaar Park
					\$75,000	City Hall Suite security upgrades
	TOTAL PROJECTS	\$0	\$0	\$0	\$112,000	
3125-61000	COMM DEV DEPARTMENTAL	\$0	\$0	\$572,000	\$0	
	TOTAL 000 -	\$0	\$0	\$572,000	\$112,000	

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
31 CAPITAL PROJECTS - 390 SPECIAL WORKS ACTIVITIES TEAM						
31390-51110	REGULAR EMPLOYEES	\$205,748	\$191,775	\$180,000	\$257,363	Swat Crew Lead Swat Maintenance Specialist (2)
31390-51140	OVERTIME	\$2,041	\$2,003	\$2,000	\$2,000	
31390-51150	STANDBY AND CALLBACK PAY	\$10,050	\$5,849	\$10,000	\$7,500	
31390-51210	HEALTH INSURANCE PREMIUMS	\$37,901	\$32,120	\$33,156	\$47,952	
31390-51220	LONG TERM DISABILITY	\$571	\$519	\$568	\$875	
31390-51230	BASIC LIFE INSURANCE	\$382	\$728	\$504	\$663	
31390-51250	FICA CONTRIBUTIONS	\$17,000	\$15,424	\$13,876	\$19,841	
31390-51260	RETIREMENT CONTRIBUTIONS	\$13,124	\$7,108	\$12,697	\$18,016	
31390-51270	UNEMPLOYMENT COMPENSATION	\$637	\$422	\$580	\$515	
31390-51280	WORKERS' COMPENSATION	\$6,933	\$2,469	\$7,000	\$6,500	
31390-51360	EMPLOYEE ONBOARDING	\$20	\$50	\$0	\$100	
31390-51380	UNIFORM ALLOWANCE	\$1,560	\$0	\$3,000	\$0	
31390-51410	UTILITIES	\$4,038	\$3,950	\$22,700	\$5,000	
31390-51610	SUPPLIES	\$46,134	\$86,822	\$54,020	\$90,000	
31390-51710	PROFESSIONAL SERVICES	\$47,636	\$17,264	\$0	\$10,000	
31390-51810	MAINTENANCE & REPAIR	\$25,682	\$14,309	\$35,000	\$25,000	Fleet
31390-51920	RENT/LEASE - EQUIPMENT	\$0	\$11,905	\$10,000	\$10,000	
31390-51930	RENT/LEASE - BUILDING	\$37,604	\$44,716	\$44,716	\$0	
31390-52110	PUBLIC NOTICES	\$36	\$0	\$0	\$0	
31390-52210	PROFESSIONAL DEVELOPMENT	\$0	\$119	\$0	\$2,500	
31390-52610	TECHNOLOGY	\$5,000	\$0	\$3,500	\$4,500	Radios
31390-52710	CREDIT CARD FEES	\$386	\$953	\$0	\$0	
31390-52810	OTHER OPERATING EXPENSE	\$10,818	\$1,830	\$10,000	\$5,000	
31390-52820	TIF TO DDA	\$42,259	\$139,813	\$162,162	\$167,406	5% over 2023 forecast
31390-52825	ECONOMIC INCENTIVE REBATE	\$38,704	\$22,962	\$27,027	\$33,784	Assumes \$250,000 across all funds
31390-53520	LIABILITY AND CASUALTY INSURA	\$1,776	\$1,728	\$0	\$2,489	
31390-54310	INTERFUND COST OF SERVICE	\$88,031	\$89,791	\$91,587	\$94,334	
31390-55910	TRANSFER TO FLEET SERVICE	\$617,000	\$605,000	\$320,000	\$0	
31390-55925	TRANSFER TO STREET TAX FUND	\$0	\$0	\$180,000	\$0	
31390-59520	CAPITAL OUTLAY	\$0	\$16,973	\$0	\$25,000	
TOTAL 390 - SPECIAL WORKS ACTIVITIES TEAM		\$1,261,070	\$1,316,603	\$1,224,094	\$836,338	

31 CAPITAL PROJECTS - 999 INTERFUND TRANSFERS

31999-55980	TRANSFER TO OTHER FUNDS	\$0	\$40,000	\$0	\$0
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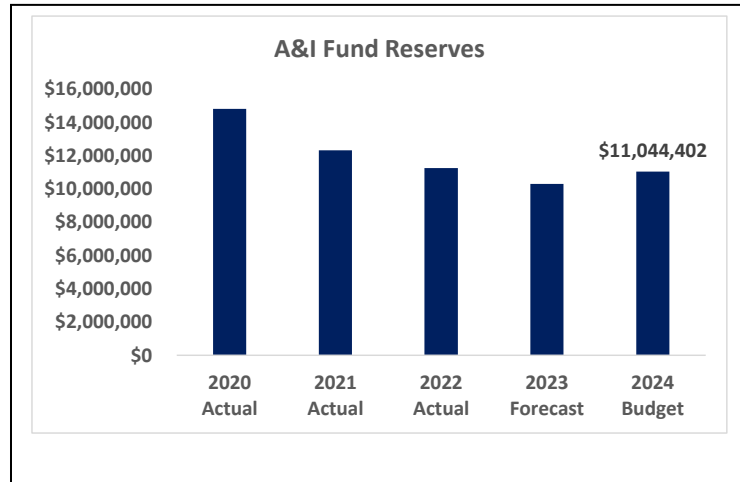
2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
TOTAL 999 - INTERFUND TRANSFERS		\$0	\$40,000	\$0	\$0	
		\$2,310,080	\$3,144,922	\$7,320,623	\$5,510,018	

Acquisition and Improvements (A&I) Fund

Reserves

Our total reserves in this fund are substantial at approximately \$11 million. However, we have a covenant-imposed restriction requirement for our debt of \$2.0 million, and a restriction of \$700,000 for a theatre reserve that Council cannot re-appropriate. That leaves around \$8.3 million in funds available to Council as of the end of 2024. This includes a \$3.0 million contingency reserve that is not appropriated to a specific purpose but available should Council choose to spend it on something allowable in this fund. So for the calendar year 2024 in total Council has access to about \$8 million of funds that are not being appropriated at the time the budget is adopted.



Revenue

The A&I Fund receives 1.0% (out of a total of 3.7%) of City sales and use tax. In 2024 the forecast is \$7.9 million. We have also secured a Multimodal Transportation and Mitigation Fund (MTMF) grant that can be spent to cover a portion of the bike path from 6th and Donegan to Linden Street.

Expenditures

Similar to the Capital Projects Fund we can break annual spending in A&I into three overall categories:

1. \$2 million to debt service from the 2018 and 2019 revenue notes that we used to complete the 27th Street Bridge and South Midland projects.
2. \$2 million in subsidies to the Community Center, Employee Housing Program, community events and downtown maintenance.
3. Miscellaneous ongoing expenses like the (tax increment financing) TIF to the DDA, interfund cost of service, contributions to the historical museum, required maintenance of the Meadows debris flow basin, right of way tree maintenance and fire mitigation.
4. Projects which vary substantially from year to year. The primary budgeted projects in 2024 are the 6th St bike path (\$975,000) and construction of 6th Street (\$2.1 million).

The real issue at hand currently in A&I is the South Bridge project. Our construction estimate is currently around \$80 million. We have applied for nearly \$50 million in grant funding from the federal government and should know the outcome around the end of 2023. We may be awarded all, none or part of that amount. In the event we get the full \$50 million or something close to it we would likely try to find a way to fund it through debt financing, contributions from other constituents and through some value engineering of the current project that could save money.

In 2016 residents passed a 30 year tax of 1.0% of sales and use tax for several purposes including the 27th Street Bridge, South Midland, Confluence, Downtown, support for the Frontier Historical Museum and the Community Center, grants to local non-profits that are adding value to Glenwood Springs, and South Bridge. At that time we also received permission from voters to issue up to \$54 million in debt. To date we have taken \$22 million, leaving around \$32 million available. Council has informally saved \$20 million of that capacity for the construction of South Bridge. However, Council could choose to take the full remaining \$32 million in debt if we can find a lender willing to underwrite the loan. Right now staff believes we could raise roughly \$20 million over the remaining 25 years of the tax. That would probably entail leaving the existing debt in place that will retire in 2034, and using the \$2 million that it will free up in debt service capacity to have sufficient debt coverage to secure a loan. Being a municipality, it is possible that we could access low interest funds, receive grant or earmark funding, or enjoy somewhat relaxed underwriting requirements.

In the event we can find a way to fund this between some elimination or delaying costs, federal grants, debt financing, utilization of A&I reserves and contributions from the state, county, RFTA and/or others it would essentially tie up the A&I Fund for the remaining period of time allowing only for existing contributions and required maintenance. In the event we do not receive sufficient grant funds from the federal government and Council decides to shelve the project A&I resources could be deployed elsewhere.

A&I FUND

	2020	2021	2022	2023	2024
	Actual	Actual	Actual	Forecast	Budget
Revenue	\$9,227,712	\$15,100,691	\$8,170,487	\$8,115,619	\$8,882,896
Expenditures	<u>(\$11,654,145)</u>	<u>(\$17,597,254)</u>	<u>(\$9,246,349)</u>	<u>(\$9,062,515)</u>	<u>(\$8,146,390)</u>
Change in Fund Balance	<u>(\$2,426,433)</u>	<u>(\$2,496,563)</u>	<u>(\$1,075,862)</u>	<u>(\$946,896)</u>	\$736,506
Beginning Fund Balance	\$17,253,650	\$14,827,217	\$12,330,654	\$11,254,792	\$10,307,896
Ending Fund Balance	\$14,827,217	\$12,330,654	\$11,254,792	\$10,307,896	\$11,044,402
Reserves:					
Bond Reserve (Restricted)	<u>(\$2,076,314)</u>	<u>(\$2,067,382)</u>	<u>(\$2,030,251)</u>	<u>(\$2,030,251)</u>	<u>(\$2,030,251)</u>
South Bridge	<u>(\$250,000)</u>	\$0	<u>(\$250,000)</u>	<u>(\$500,000)</u>	<u>(\$750,000)</u>
6th Street Reserve		<u>(\$1,750,000)</u>	<u>(\$1,750,000)</u>		
Theatre Reserve	<u>(\$704,112)</u>	<u>(\$704,112)</u>	<u>(\$704,112)</u>	<u>(\$704,112)</u>	<u>(\$704,112)</u>
Contingency	<u>(\$3,000,000)</u>	<u>(\$3,000,000)</u>	<u>(\$3,000,000)</u>	<u>(\$3,000,000)</u>	<u>(\$3,000,000)</u>
FAB Grant Reserve	<u>\$0</u>	<u>(\$86,037)</u>	<u>(\$70,815)</u>	<u>(\$70,814)</u>	<u>(\$70,814)</u>
Available Fund Balance	\$8,796,791	\$3,973,123	\$2,699,614	\$4,002,719	\$4,489,225
Cash Balance as of 12/31/22	\$10,176,130				\$8,239,225

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
33 ACQUISITION & IMPROVEMENTS - 00						
3300020-41210	GENERAL SALES TAX	\$6,091,931	\$6,712,355	\$6,708,861	\$7,541,338	2022 Actual with 7% increase in 2023 and 5% in 2024
3300020-41310	USE TAX	\$228,534	\$361,558	\$175,677	\$361,558	Set at 2022 Actual
		\$6,320,465	\$7,073,913	\$6,884,538	\$7,902,896	
33 ACQUISITION & IMPROVEMENTS - 00						
3300060-41220	AUDIT REVENUE	\$76,773	\$27,222	\$81,081	\$80,000	
3300060-42310	GRANTS	\$8,355,855	\$859,538	\$5,850,000	\$750,000	\$750,000 grant from Multimodal Transportation and Mitigation Fund.
3300060-42420	CREDIT CARD CONVENIENCE FEES	\$463	\$507	(\$0)	(\$0)	
3300060-43510	INTEREST	\$1,472	\$196,895	\$150,000	\$150,000	
3300060-43710	CONTRIBUTIONS/DONATIONS	\$4,627	\$9,021	(\$0)	(\$0)	
3300060-43910	COST REIMBURSEMENTS	\$500,000	(\$0)	(\$0)	(\$0)	
3300060-43920	INSURANCE REIMBURSEMENT	(\$0)	\$3,392	(\$0)	(\$0)	
3300060-44130	MISCELLANEOUS	\$10	(\$0)	(\$0)	(\$0)	
		\$8,939,200	\$1,096,576	\$6,081,081	\$980,000	
33 ACQUISITION & IMPROVEMENTS - 00						
3300070-44320	TRANSFER FROM DDA	(\$0)	(\$0)	\$450,000	(\$0)	
3300070-44370	TRANSFER FROM GENERAL FUND	\$100,000	(\$0)	(\$0)	(\$0)	
		\$100,000	(\$0)	\$450,000	(\$0)	
		\$15,359,665	\$8,170,490	\$13,415,619	\$8,882,896	

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
33 ACQUISITION & IMPROVEMENTS - 000						
3335-60000	PROJECTS	\$95,556	\$296,804	\$0	\$0	
3335-61000	DEPARTMENT PROJECTS	\$1,359	\$0	\$0	\$0	
TOTAL 000 -		\$96,915	\$296,804	\$0	\$0	
33 ACQUISITION & IMPROVEMENTS - 000						
3330-60000	PROJECTS				\$130,000	(Carryover) 8th and Midland Path Connection Design
					\$975,000	(Carryover) 6th Street path to Donegan - includes \$750k million of grant funding that is recognized as a revenue, and adds \$100,000 for design, \$75,000 for subsurface utilities and \$50,000 for right of way
						Project will include \$200,000 from the Water/Wastewater Fund to install piping.
		\$13,298,432	\$4,494,843	\$10,179,004	\$2,100,000	(Carryover) 6th Street construction
						Total Project Includes: -\$1,100,000 Main Street Grant -\$1,000,000 A&I Contribution -\$1,350,000 DDA Budget Contribution
TOTAL PROJECTS		\$13,298,432	\$4,494,843	\$10,179,004	\$3,205,000	
TOTAL 000 -		\$13,298,432	\$4,494,843	\$10,179,004	\$3,205,000	
33 ACQUISITION & IMPROVEMENTS - 300 A&I GENERAL GOVERNMENT						
33300-51410	UTILITIES	\$37,087	\$28,842	\$40,000	\$35,000	20% over 2022 actual.
33300-51710	PROFESSIONAL SERVICES	\$28,768	\$35,175	\$70,000	\$30,000	Sales tax auditors
33300-52510	GRANTS	\$186,235	\$252,771	\$195,547	\$0	
33300-52710	CREDIT CARD FEES	\$880	\$1,907	\$1,700	\$0	
33300-52820	TIF TO DDA	\$84,519	\$279,625	\$324,324	\$334,812	5% over 2023 forecast
33300-52825	ECONOMIC INCENTIVE REBATE	\$46,837	\$45,922	\$54,055	\$67,568	Assumes \$250,000 across all funds
33300-53710	CONTRIBUTIONS/DONATIONS	\$97,500	\$85,000	\$142,000	\$25,000	Lower Valley Trail (LoVa) Operations
					\$120,000	Frontier Historical Museum - Contribution has been \$60,000 per year. In 2022 the Museum asked for it to be increased to \$120,000. Council asked the Financial Advisory Board to consider the request, and it recommended funding at \$120,000 in 2023 and 2024.
					\$20,000	Reudi Aquatics
TOTAL CONTRIBUTIONS/DONATIONS		\$97,500	\$85,000	\$142,000	\$165,000	
33300-54310	INTERFUND COST OF SERVICE	\$320,845	\$327,262	\$333,807	\$343,821	
TOTAL 300 - A&I GENERAL GOVERNMENT		\$802,672	\$1,056,504	\$1,161,433	\$976,201	
33 ACQUISITION & IMPROVEMENTS - 302 A&I CULTURE & RECREATION						

2024 BUDGET

Account	Account Description	2021 Actual	2022 Actual	2023 Revised Budget	2024 Request	Description
33302-51810	MAINTENANCE & REPAIR	\$0	\$0	\$195,190	\$16,845	Glenwood Meadows Metropolitan Agreement for Debris Flow Basin Maintenance
					\$87,500	Right of Way Tree Maintenance
					\$15,000	Fire Mitigation
					\$50,000	Trail Maintenance
	TOTAL MAINTENANCE & REPAIR	\$0	\$0	\$195,190	\$169,345	
	TOTAL 302 - A&I CULTURE & RECREATION	\$0	\$0	\$195,190	\$169,345	
33 ACQUISITION & IMPROVEMENTS - 303 A&I DEBT SERVICE						
33303-53910	PRINCIPAL - BONDS	\$1,335,000	\$1,375,000	\$1,415,000	\$655,000	2018 Sales and Use Tax bonds (\$10 million)
					\$805,000	2019 Sales and Use Tax bonds (\$12.2 million)
	TOTAL PRINCIPAL - BONDS	\$1,335,000	\$1,375,000	\$1,415,000	\$1,460,000	
33303-53930	INTEREST - BONDS	\$642,635	\$601,598	\$529,353	\$237,551	2018 Sales and Use Tax bonds (\$10 million)
					\$278,293	2019 Sales and Use Tax bonds (\$12.2 million)
	TOTAL INTEREST - BONDS	\$642,635	\$601,598	\$529,353	\$515,844	
33303-53960	ADMIN SERVICE FEES	\$1,600	\$1,600	\$0	\$0	
	TOTAL 303 - A&I DEBT SERVICE	\$1,979,235	\$1,978,198	\$1,944,353	\$1,975,844	
33 ACQUISITION & IMPROVEMENTS - 999 INTERFUND TRANSFERS						
33999-55980	TRANSFER TO OTHER FUNDS	\$1,420,000	\$1,420,000	\$1,807,535	\$1,400,000	Community Center
					\$120,000	Employee Housing Program
					\$200,000	Downtown Maintenance
					\$100,000	Community Events
	TOTAL TRANSFER TO OTHER FUNDS	\$1,420,000	\$1,420,000	\$1,807,535	\$1,820,000	
	TOTAL 999 - INTERFUND TRANSFERS	\$1,420,000	\$1,420,000	\$1,807,535	\$1,820,000	
		\$17,597,254	\$9,246,349	\$15,287,515	\$8,146,390	

City of Glenwood Springs, Colorado
Capital Projects Fund
Schedule of Revenues, Expenditures and Changes in Fund Balances
Budget (GAAP Basis) and Actual
For the Year Ended December 31, 2022
(With Comparative Actual Amounts for December 31, 2021)

	2022				2021
	Original Budget	Final Budget	Actual	Final Budget Variance Positive (Negative)	Actual
Revenues:					
Taxes:					
Sales tax	2,916,952	3,130,172	3,356,177	226,005	3,045,966
Use tax	155,405	155,405	180,779	25,374	114,267
Intergovernmental:					
Grants	-	-	-	-	39,978
Fees and Charges:					
Park land fees	-	325,000	330,401	5,401	525,573
Other:					
Interest income	50,000	50,000	(31)	(50,031)	8,653
Other income	15,000	15,000	17,800	2,800	44,459
Total Revenues	3,137,357	3,675,577	3,885,126	209,549	3,778,896
Expenditures:					
General government	647,500	757,500	565,585	191,915	421,969
Public safety	17,000	-	8,560	(8,560)	-
Public works	973,297	1,061,039	897,499	163,540	692,397
Culture and recreation	1,133,220	644,903	983,562	(338,659)	583,079
Debt Service:					
Principal	-	-	41,543	(41,543)	-
Interest	-	-	3,173	(3,173)	-
Total Expenditures	2,771,017	2,463,442	2,499,922	(36,480)	1,697,445
Excess (Deficiency) of Revenues Over Expenditures	366,340	1,212,135	1,385,204	173,069	2,081,451
Other Financing Sources (Uses):					
Transfers in	100,000	100,000	30,000	(70,000)	1,502,040
Transfers (out)	(715,000)	(645,000)	(645,000)	-	(617,000)
Total Other Financing Sources (Uses)	(615,000)	(545,000)	(615,000)	(70,000)	885,040
Net Change in Fund Balance	(248,660)	667,135	770,204	103,069	2,966,491
Fund Balance - Beginning of Year	3,468,353	6,077,296	6,077,296	-	3,110,805
Fund Balance - End of Year	3,219,693	6,744,431	6,847,500	103,069	6,077,296

City of Glenwood Springs, Colorado
Acquisition and Improvement fund
Schedule of Revenues, Expenditures and Changes in Fund Balances
Budget (GAAP Basis) and Actual
For the Year Ended December 31, 2022
(With Comparative Actual Amounts for December 31, 2021)

	2022			2021
	Original Budget	Final Budget	Actual	Final Budget Variance Positive (Negative) Actual (restated)
Revenues:				
Taxes:				
Sales tax	5,833,903	6,260,345	6,712,355	452,010
Use tax	310,812	310,812	361,558	50,746
Intergovernmental:				
Grants	3,359,770	3,209,770	859,538	(2,350,232)
Other:				
Interest income	100,000	100,000	196,895	96,895
Donations	-	-	9,021	9,021
Cost reimbursements	300,000	200,000	-	(200,000)
Other income	30,000	30,000	31,121	1,121
Total Revenues	<u>9,934,485</u>	<u>10,110,927</u>	<u>8,170,488</u>	<u>(1,940,439)</u>
Expenditures:				
General Government:				
General and administrative	746,066	746,066	776,879	(30,813)
Bond fees	-	-	1,600	(1,600)
Total General Government	<u>746,066</u>	<u>746,066</u>	<u>778,479</u>	<u>(32,413)</u>
Culture and Recreation:				
Arts Center	260,000	1,988,411	296,804	1,691,607
Other projects	114,000	140,845	-	140,845
Total Culture and Recreation	<u>374,000</u>	<u>2,129,256</u>	<u>296,804</u>	<u>1,832,452</u>
Public Works:				
Streets and sidewalks	8,541,280	5,738,900	4,494,843	1,244,057
Other projects	193,243	279,625	279,625	-
Total Public Works	<u>8,734,523</u>	<u>6,018,525</u>	<u>4,774,468</u>	<u>1,244,057</u>
Debt Service:				
Principal	1,375,000	1,375,000	1,375,000	-
Interest	601,598	601,598	601,598	-
Total Debt Service	<u>1,976,598</u>	<u>1,976,598</u>	<u>1,976,598</u>	<u>-</u>
Total Expenditures	<u>11,831,187</u>	<u>10,870,445</u>	<u>7,826,349</u>	<u>3,044,096</u>
Excess (Deficiency) of Revenues Over Expenditures	(1,896,702)	(759,518)	344,139	1,103,657
Other Financing Sources (Uses):				
Transfers in	-	-	-	-
Transfers (out)	(1,420,000)	(1,420,000)	(1,420,000)	-
Total Other Financing Sources (Uses)	<u>(1,420,000)</u>	<u>(1,420,000)</u>	<u>(1,420,000)</u>	<u>(1,320,000)</u>
Net Change in Fund Balance	(3,316,702)	(2,179,518)	(1,075,861)	1,103,657
Fund Balance - Beginning of Year (restated)	<u>10,358,205</u>	<u>12,589,627</u>	<u>12,330,653</u>	<u>(258,974)</u>
Fund Balance - End of Year	<u>7,041,503</u>	<u>10,410,109</u>	<u>11,254,792</u>	<u>844,683</u>



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Update on Three Mile Park Project

Action Requested: None

Department: Engineering

Presented By: Ryan Gordon

Strategic Goals: Protect and Preserve our Quality of Life

Background Info: The Three Mile Creek project was identified as a need in 2018 as a by-product of work between the City and River Commission. The project includes the revegetation of approximately 30,000 square feet of riparian and wetland habitat, removal of invasive species, the removal of the former Atkinson Ditch diversion structure and filling in of the existing Atkinson Ditch, stabilization of approximately 700 linear feet of eroded river bank, new park amenities such as picnic tables, porta-potty screen, educational signage and boulders for raft/boat hook-ups.

Design proposals were requested and the design was awarded to Wright Water Engineering in February 2019. The City received multiple grants from Pitkin County Healthy Rivers to help with planning and design efforts. The City conducted multiple public outreach events including mailers and open houses to receive feedback to inform the project's needs and the design.

Between 2021 and 2022, the City applied for and received grants from various programs at the Colorado Water Conservation Board (CWCB) totaling \$310,000; the City had budgeted \$585,000 for a total of \$895,000. The City received bids from prospective contractors in March 2023. went out to bid and the City received bids that were ~\$1.2-1.3M.

Issues: The project is over budget and the project scope needs to be reduced or additional funds need to be dedicated to the project. City staff has worked with the design engineers to value engineer the project to reduce scope to within the allocated budget. City staff will present the reduced scope to council.

Fiscal Impact: If council wishes to keep the project as designed, additional funds will need to be appropriated.

Legal Review: NA

Staff Recommendation: NA



THREE MILE CREEK CONFLUENCE

BID SET



PROJECT NOTES

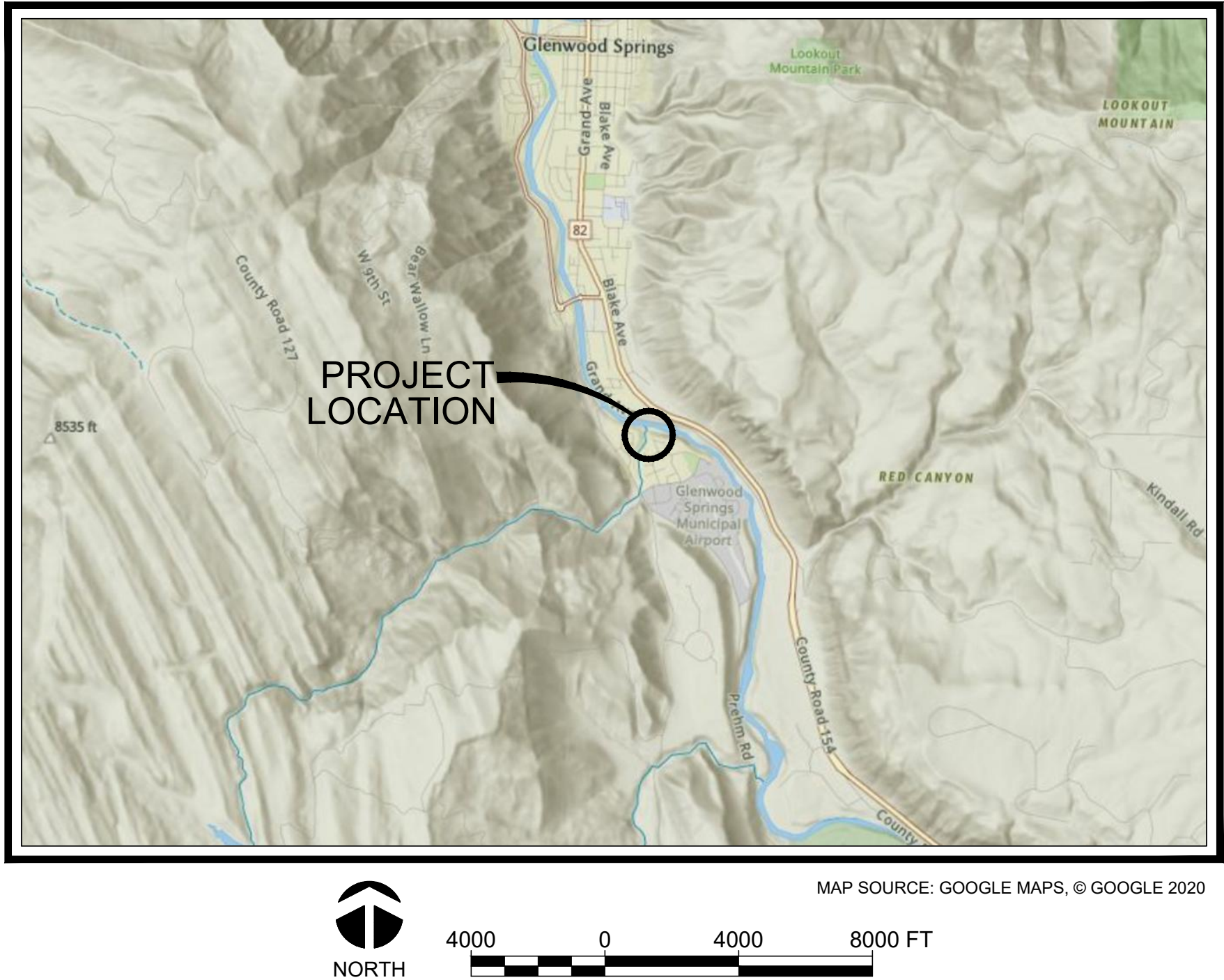
1. THE INTENTION OF THE THREE MILE CREEK CONFLUENCE PLANNING PROJECT IS TO PROVIDE A MORE SUSTAINABLE AND RESILIENT SPACE FOR THE GLENWOOD SPRINGS COMMUNITY AT THE THREE MILE CREEK AND ROARING FORK CONFLUENCE.
2. THE AREA IS CURRENTLY USED BY A WIDE VARIETY OF COMMUNITY MEMBERS, RANGING FROM COMMERCIAL BOATING OPERATORS, TO PRIVATE BOATERS, TO ANGLERS, TO RESIDENTS IN THE ADJACENT NEIGHBORHOODS, TO USERS OF THE ATKINSON TRAIL. THE USES AT THE CONFLUENCE ALSO VARY AND INCLUDE FISHING, PICNICKING, BOATING, DOG WALKING, CHILDREN PLAY AREA, AND ENJOYING NATURE. THIS PROJECT WAS INITIATED PARTLY IN RESPONSE TO THE INCREASING USE AND A GROWING POPULARITY OF THE AREA. THERE IS INTEREST FROM BOTH THE CITY AND THE COMMUNITY IN PROTECTING THIS AREA WHILE RETAINING SUSTAINABLE AND RESPONSIBLE ACCESS AND USE.
3. EARLY IN THE PLANNING PROCESS, THE CONSULTANT TEAM AND THE CITY DEVELOPED THE FOLLOWING PROJECT GOALS STATEMENT IN ORDER TO CAPTURE THE GOALS AND VISION OF THE PROJECT: "DEVELOP A HOLISTIC AND RESILIENT PLAN THAT ADDRESSES CURRENT AND FUTURE IMPACTS FROM THE USE OF THE THREE MILE CREEK CONFLUENCE AREA WHILE PROVIDING ECOLOGICALLY DIVERSE AND NATURALLY SUSTAINABLE HABITATS, IMPROVED WATER QUALITY, TRAIL CONNECTIVITY, RECREATIONAL ACCESS, AND EDUCATION REGARDING OUR MOST VALUABLE NATURAL RESOURCE, WATER."
4. AS THE PROJECT AREA IS A COMMUNITY RESOURCE, COMMUNITY MEMBERS WERE INVITED TO GIVE INPUT AND DIRECTION TO THE PROJECT TEAM. THE CONCEPTUAL DESIGN REPORT SUMMARIZES THE COMMUNITY OUTREACH EFFORTS, THE RESULTS OF THOSE EFFORTS, AND THE FINAL RECOMMENDATIONS FOR THE PROJECT SITE. IN ADDITION TO COMMUNITY OUTREACH, THE PROJECT TEAM WORKED WITH COLORADO PARKS AND WILDLIFE (CPW) TO GATHER THEIR INPUT AND DETERMINE THE MOST APPROPRIATE COURSES OF ACTION FOR THIS SENSITIVE AND ENVIRONMENTALLY IMPORTANT AREA. THIS COORDINATION HAD A SPECIAL FOCUS ON THE FISH SPAWNING AND HABITAT VALUES OF THE THREE MILE CREEK CONFLUENCE AREA. A MEMO FROM CPW IS INCLUDED AS AN APPENDIX TO THE CONCEPTUAL DESIGN REPORT.
5. GROUND SURVEY WAS COMPLETED IN THE LATE WINTER OF 2020, AFTER SNOWMELT, BUT BEFORE RUNOFF ON THE ROARING FORK RIVER. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE SURVEY PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE SURVEY AND EXISTING CONDITIONS WILL NEED TO BE COORDINATED WITH THE ENGINEER AND OWNER.
6. THE OVERALL INTENT OF THE BANK STABILIZATION AND REVEGETATION EFFORTS ARE TO PROVIDE A RIVERINE CORRIDOR SYSTEM THAT IS RESILIENT AND STABLE, BUT ALSO AESTHETIC. THE INTENT OF THE BANK STABILIZATION IS TO MIMIC EXISTING STABLE CONDITIONS UP AND DOWNSTREAM OF THE PROJECT AREA. THE INTENT OF THE BOULDERS IN ALL STABILIZATION MEASURES ARE TO PROVIDE A SOLID BACKSTOP AGAINST PROPAGATION OF BANK EROSION INTO THE PARK AREAS. THE ACTUAL BOULDERS THEMSELVES SHALL BE BURIED AND HIDDEN FROM SIGHT EXCEPT FOR AREAS THAT INCLUDE BOULDERS AS STEPS.
7. AS WITH TYPICAL STREAM RESTORATION AND ECOLOGICAL UPLIFT PROJECTS, CONDITIONS MIGHT HAVE CHANGED BETWEEN SURVEY, DESIGN AND IMPLEMENTATION. THE CONTRACTOR SHALL BE FLEXIBLE AND EXPECT MINOR FIELD CHANGES BASED ON DIRECTION FROM ENGINEER AS THE BANKS MIGHT HAVE SHIFTED, ERODED OR AGGRADED. CLOSE COORDINATION BETWEEN THE DESIGN TEAM AND THE CONTRACTOR SHALL BE REQUIRED.
8. QUANTITIES ASSOCIATED WITH DEVELOPING A FINAL, COMPLETE PROJECT SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL COORDINATE IMPORT OF MATERIALS WITH THE ENGINEER AND OWNER.
9. THE ANTICIPATED CONSTRUCTION WINDOW FOR THIS PROJECT IS AUGUST 1, 2023 TO OCTOBER 31, 2023. ALL IN STREAM WORK MUST BE COMPLETED BETWEEN AUGUST 15, 2023 AND OCTOBER 1, 2023 DUE TO COLORADO PARKS AND WILDLIFE SPAWNING REGULATIONS.

OVERALL CLARIFYING NOTES

1. CONTRACTOR RESPONSIBLE FOR INSTALLING TRAIL PROTECTION MATS ALONG CONCRETE PATH TO PROJECT AREA. CONTRACTOR NOT RESPONSIBLE TO REPAIR BROKEN PANELS OF CONCRETE TRAIL. THE CONTRACTOR SHALL MAKE A GOOD FAITH EFFORT TO PROTECT THE CONCRETE TRAIL.
2. DEWATERING IS NOT ANTICIPATED FOR THE PROJECT DUE TO LOW WATER IN THE RIVER DURING TIMES OF CONSTRUCTION. CONTRACTOR CAN DO MINOR WORK IN THE WET WITH PROPER BMPS EMPLACED.
3. SOME WORK IS ANTICIPATED TO TAKE PLACE IN 2023 AND SOME IN 2024. THE RIVERINE AND BANK STABILIZATION ASPECTS AND REVEGETATION ASSOCIATED WITH THE RIVERINE AND BANK STABILIZATION WORK WILL TAKE PLACE IN 2023. THE REMAINING REVEGETATION AND SITE LAYOUT ASPECTS WILL BE COMPLETED IN 2024.

GLENWOOD SPRINGS, CO

VICINITY MAP



CONTACTS

OWNER: CITY OF GLENWOOD SPRINGS 101 WEST 8TH STREET GLENWOOD SPRINGS, CO 81601 (970)384-6427	CONTACT: RYAN JOHNSON
ENGINEER: WRIGHT WATER ENGINEERS, INC. 818 COLORADO AVE., SUITE 307 P.O. BOX 219 GLENWOOD SPRINGS, CO 81602 (970)945-7755 FAX(970)945-9210	CONTACT: SCOTT SCHREIBER, P.E., CFM (423)943-7500
LANDSCAPE ARCHITECT CHINOOK LANDSCAPE ARCHITECTURE 16216 E MAPLEWOOD PL. CENTENNIAL, CO 80016 (303)902-9971	CONTACT: JON ALTSCHULD (303)902-9971
RESTORATION ECOLOGIST RAMBOLL GROUP 1999 BROADWAY, SUITE 2225 DENVER, CO 80202 (303)382-5461	CONTACT: RANDY MANDEL (303)382-5461
SURVEYOR SOPRIS ENGINEERING, INC 502 MAIN ST. SUITE A3 CARBONDALE, CO 81623 (970)704-0311	CONTACT: NATE HADDEN, E.I.T. (970)704-0311

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C7	PLAN AND PROFILE - ATKINSON DITCH
C8	PLAN AND PROFILE - DIVERSION CHANNEL AND HOLE
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CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

FOR BID
NOT FOR
CONSTRUCTION



WRIGHT WATER ENGINEERS, INC.
818 COLORADO AVE. P.O. BOX 219
GLENWOOD SPRINGS, CO 81602
(970)945-7755 FAX(970)945-9210

NO.	BY	DATE	DESCRIPTION	COMMENTS
△				

NOT FOR
CONSTRUCTION

		DATE
DESIGN	SDS	01/20/23
DETAIL	SDS	01/20/23
CHECK	DTL	01/20/23
SCALE		SHOWN

THREE MILE CREEK CONFLUENCE

COVER SHEET

JOB NO. 191-025.000
REVISION NO. ----
SHEET NO. G1

NOTES

GENERAL NOTES

1.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SPECIFICATIONS PROVIDED AS PART OF THE PROJECT DOCUMENTS. THE MAJORITY OF THE SPECIFICATIONS WERE DEVELOPED FROM MILE HIGH FLOOD DISTRICT SPECIFICATIONS DUE TO THE PROJECT RIVERINE AND ECOLOGICAL ASPECTS OF THE WORK. THE MILE HIGH FLOOD DISTRICT SPECIFICATIONS SHALL BE USED TO SUPPLEMENT ANY SPECIFICATIONS NOT PROVIDED. THE COLORADO DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 2019 EDITION, SHALL BE ADHERED TO FOR THE PLACEMENT OF THE TYPE C INLET. INFORMATION CONTAINED WITHIN THE STAMPED SIGNED PLAN SET TAKES PRECEDENCE FOLLOWED BY MILE HIGH FLOOD DISTRICT SPECIFICATIONS AND THEN COLORADO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS THAT ARE PERTINENT TO THE WORK.
2.

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE OWNER. THE OWNER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS.
3.

THE CONTRACTOR SHALL HAVE ONE SIGNED COPY OF THE APPROVED PLANS, ONE COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS REQUIRED AT THE JOB SITE AT ALL TIMES.
4.

PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE AND RECORD NOTES AND PICTURES OF EXISTING CONDITIONS OF THE SITE AND ADJACENT PROPERTY DURING PRE-CONSTRUCTION MEETING.
5.

UNAUTHORIZED CHANGES AND USES: THE ENGINEER WHO PREPARED THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS AND SPECIFICATIONS MUST BE IN WRITING AND MUST BE APPROVED BY THE OWNER AND THE PREPARER OF THESE PLANS.
6.

THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE IMMEDIATELY OF ANY FIELD CONDITION NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS.
7.

THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE DRAWINGS AND IN THE CONTRACT DOCUMENTS. IF THE CONTRACTOR DAMAGES ANY EXISTING SITE OR PUBLIC/PRIVATE AMENITIES (PAVEMENTS, CURBS, CURB AND GUTTER, SOD, GRASS, LANDSCAPING, TREES, FENCES, ETC.) OUTSIDE OR WITHIN THE EASEMENTS OR CONSTRUCTION LIMITS, THEY SHALL REMOVE AND REPAIR SUCH TO THE SATISFACTION OF THE INDIVIDUAL PROPERTY OWNERS. CONTRACTOR NOT RESPONSIBLE FOR REPAIRING TRAIL SECTIONS DAMAGED AS PART OF THE PROJECT.
8.

ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE IN THE PLANS OR SPECIFICATIONS.
9.

ALL ITEMS NOT INCLUDED IN THE BID TAB AND NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL PROJECT OR NOTED AS 'INCIDENTAL' IN THE PLANS OR SPECIFICATIONS WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT ARE INCLUDED IN THE WORK.
10.

DIMENSIONS AND NOTATIONS SUPERSEDE SCALE OF THE DRAWINGS. ALL GRADES SHOWN ARE FINISHED GRADES EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS.

SITE CONDITIONS

1.

ANY CONSTRUCTION DEBRIS OR MUD TRACKED ONTO THE PUBLIC RIGHT-OF-WAY, RESULTING FROM THE PROJECT, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL IMMEDIATELY FIX ANY EXCAVATION, OR PAVEMENT FAILURE CAUSED BY THE PROJECT, AND SHALL PROPERLY BARRICADE THE SITE UNTIL CONSTRUCTION IS COMPLETE.
2.

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS AT, AND ADJACENT TO, THE JOB SITE, INCLUDING BUT NOT LIMITED TO TRENCH EXCAVATIONS AND SHORING, TRAFFIC CONTROL, SECURITY, AND SAFETY OF ALL PERSONS AND PROPERTY, DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE OWNERS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN OR NEAR THE CONSTRUCTION SITE.
3.

THE CONTRACTOR SHALL PROVIDE A SANITARY FACILITY AT THE SITE AT ALL TIMES.

4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE, CONVEYANCE, AND CONTROL OF ALL SURFACE AND SUBSURFACE WATER FLOWS IN AND ENTERING THE AREA AFFECTED BY THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OPERATIONS OR ANY OTHER ACCEPTABLE MEANS TO PREVENT POLLUTION OF THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NEEDED DEWATERING OPERATIONS INCLUDING ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS. DEWATERING IS NOT ANTICIPATED DUE TO LOW WATER CONDITIONS DURING THE CONSTRUCTION WINDOW. THE CONTRACTOR SHALL MAINTAIN AND PROVIDE DRAINAGE THROUGH THE SITE DURING CONSTRUCTION.
5.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL THROUGHOUT THE CONSTRUCTION DURATION AND SHALL INSTALL EROSION CONTROL MEASURES AS NECESSARY. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM OR RECEIVING WATERS DURING ALL DEMOLITION, EXCAVATION, TRENCHING, BORING, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT.
6.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO OR, ACCUMULATED IN, THE DRAINAGE WAYS AND PUBLIC RIGHTS OF WAYS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
7.

UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION SHALL BE LOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ANY UTILITIES AFFECTED BY THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND AGENCIES AND FOR THE COORDINATION OF ALL WORK IN THE PROXIMITY OF THE UTILITIES. THE CONTRACTOR SHALL NOTE THAT ALL UTILITIES MAY NOT APPEAR ON THESE PLANS. UTILITIES SHOWN ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY OTHERS.

PROJECT SPECIFIC NOTES

1.

THE OVERALL INTENT OF THE PROJECT IS TO STABILIZE ERODING BANKS, REVEGETATE AREAS AND PROVIDE BETTER AMENITIES FOR A NATURAL PARK IN THE CONFLUENCE OF THREE MILE CREEK AND THE ROARING FORK RIVER.
2.

THE OVERALL PROJECT DESIGN INTENT IS TO MIMIC NATURE. IT IS RECOMMENDED TO VIEW THE CORRIDOR ALONG THREE MILE CREEK AND THE ROARING FORK RIVER TO UNDERSTAND THE ENVIRONMENT THE DESIGN TEAM IS TRYING TO REPLICATE. THESE PLANS ARE ENGINEERED PLANS, BUT PROVIDE ROOM FOR VARIATION WITH APPROVAL FROM THE ENGINEER TO MIMIC NATURE. MINIMUM SLOPES, DEPTHS AND HEIGHTS SHALL BE ADHERED TO BUT THERE IS FLEXIBILITY IN PLANFORM ASPECTS WITH APPROVAL FROM THE ENGINEER.
3.

IT SHALL BE UNDERSTOOD THAT THERE WILL BE SOME FIELD FITTING AS PART OF THE CONSTRUCTION. THE ENGINEER WILL BE PRESENT DURING ALL MAJOR CONSTRUCTION OPERATIONS AS PER IN THE SPECIFICATIONS. AN ONSITE CONSTRUCTION MEETING SHALL BE CONDUCTED THAT INCLUDES CONTRACTOR, OWNER, ENGINEER, RESTORATION ECOLOGIST AND LANDSCAPE ARCHITECT. MAJOR PLANIMETRIC ELEMENTS TO BE STAKED IN THE FIELD WITH THE ENGINEER PRESENT TO FIELD VERIFY AND UPDATE BASED ON CHANGED FIELD CONDITIONS.
4.

ALL WORK TAKING PLACE, ESPECIALLY WORK SOON TO BE BURIED, SHALL BE DOCUMENTED WITH PHOTOS AND MEASUREMENTS.
5.

COMPACTION OF SUBGRADE TO BE VERIFIED BY GEOTECHNICAL ENGINEER AND PROVIDED BY THE CONTRACTOR. COST WILL BE INCIDENTAL TO WORK BEING PERFORMED. WORK TO BE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
6.

AS BUILT SURVEY AND DRAWINGS FOR ALL WORK COMPLETED WILL BE REQUIRED AND SUPPLIED BY THE CONTRACTOR. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION SURVEYING.
7.

OVERALL LIMITS OF DISTURBANCE NOT SHOWN ON PLANS DUE TO NATURE OF THE WORK. FIELD FITTING WILL BE REQUIRED TO OBTAIN DESIRED NATURAL INTENT. LIMITS OF DISTURBANCE WILL BE MARKED IN THE FIELD BY DESIGN TEAM PRIOR TO CONSTRUCTION.
8.

EROSION AND SEDIMENT CONTROL OUTSIDE EROSION CONTROL BLANKET, STREAM SUBSTRATE, AND REVEGETATION ASPECTS SHALL BE APPLIED AS NEEDED TO KEEP SEDIMENT FROM LEAVING THE SITE. AN STORMWATER MANAGEMENT PLAN (I.E. EROSION AND SEDIMENT CONTROL PLAN) HAS BEEN DEVELOPED FOR THE CONTRACTOR TO USE BUT SHOULD BE UPDATED AS NECESSARY.

A COLORADO STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES WILL NEED TO BE APPLIED FOR BY THE CONTRACTOR. THE CONTRACTOR WILL NEED TO PLAN FOR TIME OF SUBMITTAL.

9.

ALL DIMENSIONS ARE APPROXIMATE AND SHOULD PROVIDE NATURAL VARIATION IN FINAL CONSTRUCTION AS DIRECTED BY THE ENGINEER.
10.

OVERALL EARTHWORK NUMBERS ARE PROVIDED FOR REFERENCE ONLY. THE AMOUNT OF MATERIAL TO BE IMPORTED AND EXPORTED TO THE SITE MAY VARY FROM QUANTITIES PROVIDED. THE CONTRACTOR SHALL PROVIDE PROOF OF MATERIAL QUANTITIES HAULED TO AND FROM SITE. ACTUAL QUANTITY, COLOR AND SIZE OF MATERIAL, AS APPLICABLE, TO BE IMPORTED SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO BRINGING ON SITE. A CUT FILL COMPARISON OF EXISTING GRADE TO PROPOSED GRADE HAS APPROXIMATELY 10 CUBIC YARDS OF CUT AND 460 YARDS OF FILL. THE PROJECT ALSO INCLUDES THE IMPORT OF APPROXIMATELY 550 CUBIC YARDS OF IMPORTED MATERIAL CONSISTING OF STREAM SUBSTRATE AND BOULDERS. EXPORT OF MATERIAL IS NOT ANTICIPATED FOR THIS PROJECT BUT INCLUDED TO PROVIDE A UNIT PRICE INCASE REQUIRED.
11.

WORK SHALL BE PERFORMED DURING LOW WATER IN THREE MILE CREEK AND THE ROARING FORK RIVER. MAJORITY OF AREAS WILL BE ACCESSIBLE IN DRY CONDITIONS. IT CAN BE ASSUMED DEWATERING WILL NOT NEED TO OCCUR. IF DEWATERING IS REQUIRED COORDINATION WITH THE ENGINEER AND CITY SHALL TAKE PLACE.
12.

ACCESS TO THE PROJECT AREA WILL BE VIA AN EXISTING PEDESTRIAN TRAIL FROM BRUSH MOUNTAIN PARK ON BRUSH CREEK LANE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE TRAIL TO THE EXTENT PRACTICAL DURING ALL MOBILIZATION, ACCESS AND CONSTRUCTION ACTIVITIES UTILIZING DURA-BASE (ADVANCED COMPOSITE MAT SYSTEM) OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE A TRAIL PROTECTION PLAN TO THE ENGINEER FOR REVIEW AND COMMENT PRIOR TO MOBILIZATION. TRAIL PROTECTION MEASURES SHALL BE INSPECTED BY ENGINEER PRIOR TO MOBILIZATION. THE INTENT OF THE COMPOSITE MAT SYSTEM IS TO PROVIDE SOME LEVEL OF PROTECTION FOR THE TRAIL. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR REPLACING OR REPAIRING BROKEN PANELS OF THE CONCRETE TRAIL. ANY BROKEN OR DAMAGED PIECES OF THE TRAIL CAN BE LEFT IN PLACE AND NOT REQUIRED TO BE REMOVED. THE CONTRACTOR SHALL REPAIR THE GRAVEL TRAIL TO THE PRE-PROJECT CONDITIONS AS DIRECTED BY THE ENGINEER.
13.

THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A PEDESTRIAN CONTROL PLAN FOR THE PROJECT AREA IN COORDINATION WITH THE ENGINEER AND OWNER. THE TRAIL WILL BE CLOSED TO PEDESTRIANS DURING CONSTRUCTION. A TRAFFIC CONTROL PLAN MAY ALSO BE REQUIRED TO IMPORT MATERIALS ON SITE AND WILL BE THE CONTRACTORS RESPONSIBILITY TO DEVELOP AND IMPLEMENT.
14.

PERMITS WILL BE REQUIRED FOR THIS WORK AND ADHERED TO BY THE CONTRACTOR. THE ENGINEER HAS ACQUIRED THE US ARMY CORPS OF ENGINEERS 404 PERMIT, THE FLOODPLAIN PERMIT AND GRADING PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING A CONSTRUCTION STORMWATER DISCHARGE PERMIT. CONTRACTOR SHALL COORDINATE WITH ENGINEER AND OWNER ON PERMITS PRIOR TO START OF ANY WORK.
15.

CONTRACTOR SHALL CLEAN ALL EQUIPMENT FOLLOWING COLORADO PARKS AND WILDLIFE GUIDELINES PRIOR TO COMING TO THE SITE.
16.

THE PROJECT SHALL REQUIRE WARRANTY OF REVEGETATION ASPECTS AS OUTLINED IN THE SPECIFICATIONS.
17.

CONTRACTOR TO PROVIDE SMOOTH TRANSITION BETWEEN ALL BANK STABILIZATION AND EXISTING CONDITIONS. CONTRACTOR SHALL TIE INTO EXISTING GRADES TO PROVIDE SMOOTH TRANSITION FROM CONSTRUCTED ELEMENTS TO EXISTING CONDITIONS.
18.

CAD DRAWINGS ARE AVAILABLE UPON REQUEST, BUT DUE TO INTRICATE NATURE OF BANK STABILIZATION MEASURES, FIELD FITTING AND CHANGES TO EXISTING CONDITIONS, IT SHOULD BE KNOWN THAT AN EXACT COMPLETE COMPILED GRADE SURFACE MIGHT NOT BE AVAILABLE OR REPRESENTATIVE OF THE PLAN SET.
19.

GRADING TOLERANCES ARE 0.2'
20.

STREAM SUBSTRATE MATERIAL SHALL BE A MIXTURE OF IMPORTED COBBLE AND NATIVE ONSITE FINES EXCAVATED FOR THE PROJECT. THE GOAL IS TO PROVIDE A MIXTURE OF COBBLE AND FINES. THIS CAN BE ACCOMPLISHED BY PLACING NATIVE ONSITE MATERIAL ON TOP OF COBBLE AND WASHING THE FINES INTO ANNULAR SPACE. CONTRACTOR SHALL COORDINATE WITH ENGINEER ON STREAM SUBSTRATE MIXING AND PLACEMENT. THE INTENT IS FOR COBBLE TO PROVIDE BANK STABILITY WHILE FINES PROVIDE FOR REVEGETATION ENHANCEMENT.

BASE BID QUANTITIES

ITEM #	ITEM DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION AND DEMOBILIZATION	1	LS
2	TRAIL PROTECTION	740	LF
3	SURVEYING	1	LS
4	TRAFFIC AND PEDESTRIAN CONTROL	1	LS
5	EROSION AND SEDIMENT CONTROL	1	LS
6	REMOVE AND ABANDON 18" CMP CULVERT	48	LF
7	REMOVE 3 CONCRETE SUPPORTS	1	LS
8	REMOVE CONCRETE/METAL DEBRIS	1	LS
9	REMOVE 36" CMP AND ENCASEMENT	1	LS
10	REMOVE SPLIT RAIL FENCING	1	LS
11	REMOVE DIVERSION STRUCTURE	1	LS
12	REMOVE 18" CMP	5	LF
13	REMOVE PICNIC TABLE	1	LS
14	STREAM SUBSTRATE (D50 = 12")	578	CY
15	STREAM SUBSTRATE (D50 = 6") (BEDDING AND CHINKING)	78	CY
16	B30 BOULDER (D50 = 30")	203	CY
17	B36 BOULDER (D50 = 36")	19	CY
18	NATIVE UPLAND SOIL	272	CY
19	KOIRMAT 700 EROSION CONTROL BLANKET	534	SY
20	S400B EROSION CONTROL BLANKET	3,390	SY
21	STRAW	2,882	SY
22	THREE MILE CREEK EARTHWORK	1	LS
23	18" CMP FLARED END SECTION	1	EA
24	18" CMP PIPE	41	LF
25	CDOT TYPE C INLET	1	EA
26	UNDERDRAIN	260	LF
27	ZONE 1 & 2: WETLAND AND RIPARIAN SEED	12,435	SF
28	ZONE 3: UPLAND SEEDING	11,852	SF
29	SWALE SEED	4,560	SF
30	COMPOST	20	CY
31	WETLAND PLUGS	842	EA
32	SMALL TREES AND SHRUBS	390	EA
33	TREES	23	EA
34	WILLOW CUTTING	3,730	EA
35	WILLOW FASCINES	150	LF
36	PROTECTION FENCING	23	EA
37	MULCH	5	CY
38	INVASIVE SPECIES MANAGEMENT	1	AC
39	IRRIGATION COORDINATION	1	LS
40	SPLIT RAIL FENCE	1,370	LF
41	FLAGSTONE REPAIR	100	SF
42	NEW FLAGSTONE PAVING	200	SF
43	RESTROOM ENCLOSURE	35	LF
44	FOOT TRAIL	250	LF
45	BOULDER SEAT	6	EA
46	BOULDER BOAT TIE-OFF	11	EA
47	PICNIC TABLE	2	EA
48	EDUCATION INTERPRETIVE SIGN	2	EA
49	BOATING SIGN	1	EA
50	SPAWNING INFO SIGN	1	EA
51	WAYFINDING SIGNAGE	1	LS
52	CRUSHER FINES	35	CY
53	EXPORT OF MATERIAL	100	CY
54	2.5-INCH CLASS 200 PVC MAINLINE	750	LF
55	2.5-INCH ISOLATION GATE VALVE ASSEMBLY	6	EA
56	QUICK COUPLER ASSEMBLY	8	EA
57	MANUAL DRAIN VALVE ASSEMBLY	1	EA
58	1-INCH REMOTE CONTROL VALVE ASSEMBLY	15	EA
59	1 1/4-INCH REMOTE CONTROL VALVE ASSEMBLY	1	EA
60	1-INCH REMOTE CONTROL DRIP VALVE ASSEMBLY	3	EA
61	DRIP FLUSH CAP ASSEMBLY	4	EA
62	TREE BUBBLER ASSEMBLY	56	EA
63	1-INCH CLASS 200 PVC LATERAL	2,900	LF
64	1 1/4-INCH CLASS 200 PVC LATERAL	80	LF
65	3-INCH HDPE 4710 SDR MAINLINE	100	LF
66	3/4-INCH POLYETHYLENE DRIP LATERAL	1,000	LF
67	HUNTER PGJ-12 ROTOR ASSEMBLY	54	EA
68	HUNTER I20-12-SS ROTOR ASSEMBLY	34	EA
69	2-INCH CLASS 200 PVC SLEEVES	300	LF
70	3-INCH CLASS 200 PVC SLEEVES	100	LF
71	4-INCH CLASS 200 PVC SLEEVES	200	LF
72	6-INCH SCHEDULE 80 PVC SLEEVES	100	LF
73	#12 AWG CONTROL WIRE (COMMON)	850	LF
74	#12 AWG CONTROL WIRE (REMOTE CONTROL VALVES)	4,000	LF
75	#12 AWG CONTROL WIRE (COMMON SPARE)	850	LF
76	#12 AWG CONTROL WIRE (REMOTE CONTROL VALVE SPARE)	1,700	LF
77	REMOVE WATER FOUNTAIN	1	EA
78	VEHICLE TRACKING CONTROL	1	EA
79	STREET SWEEPING	15	HR
80	TEMPORARY PLASTIC CONSTRUCTION FENCE	450	LF
81	SOD	6,500	SF
82	MONOLITHIC CURB, GUTTER AND SIDEWALK	300	SF

QUANTITY NOTES:

1.

ACTUAL BID SCHEDULE SUPERSEDES BID QUANTITIES PROVIDED ON THIS SHEET. BID QUANTITIES ON THIS SHEET PROVIDED FOR REFERENCE ONLY.
2.

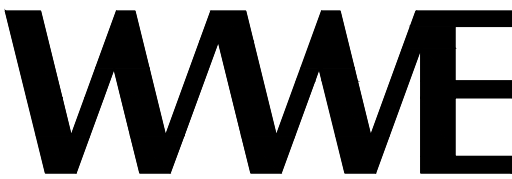
CONTRACTOR SHALL BE PAID BASED ON ACTUAL QUANTITIES PROVIDED TO COMPLETE THE WORK CONSISTENT WITH THE UNIT PRICE BID FOR THE WORK ITEM. IN THE EVENT OF A LUMP SUM PRICE, CONTRACTOR WILL SUBMIT A PERCENT COMPLETE WITH EACH PAY APPLICATION. OTHER ITEMS NOT INCLUDED IN THE BID SCHEDULE INCLUDING MATERIALS, LABOR OR EQUIPMENT REQUIRED TO PROVIDE A COMPLETE PROJECT WILL BE CONSIDERED INCIDENTAL.
3.

IT WILL BE THE CONTRACTORS RESPONSIBILITY TO MEASURE QUANTITIES INSTALLED AND PROVIDE DOCUMENTATION TO ENGINEER FOR APPROVAL PRIOR TO PAYMENT. PROPER DOCUMENTATION SHALL BE DISCUSSED WITH ENGINEER AND OWNER PRIOR TO CONSTRUCTION, BUT SHALL INCLUDE MEASUREMENTS, SURVEY, PHOTOS, ETC. IF DOCUMENTATION IS NOT PROVIDED OR AGREED UPON THE CONTRACTOR WILL BE PAID BASED ON THE QUANTITIES DEVELOPED BY THE ENGINEER AND PROVIDED IN THE BID SCHEDULE.

MASTER LEGEND

	5100	EXISTING MAJOR CONTOUR
	5100	EXISTING MINOR CONTOUR
		EXISTING CONCRETE
		EXISTING VEGETATION
		EXISTING TRAIL
		EXISTING PIPE
		EXISTING BOULDER
		EXISTING FENCE
		EDGE OF WATER
	5100	PROPOSED MAJOR CONTOUR
	5100	PROPOSED MINOR CONTOUR
		PROPOSED 30" AND 36" BOULDERS
		PROPOSED STREAM SUBSTRATE
		PROPOSED NATIVE UPLAND SOIL
		S400B EROSION CONTROL BLANKET
		KOIRMAT 700 EROSION CONTROL BLANKET
		SILT FENCE OR EROSION CONTROL LOG

*INDIVIDUAL SHEETS AND DISCIPLINES HAVE NOTATIONS AND LEGENDS AS NEEDED



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THREE MILE CREEK CONFLUENCE

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	G2

NOTES AND LEGEND

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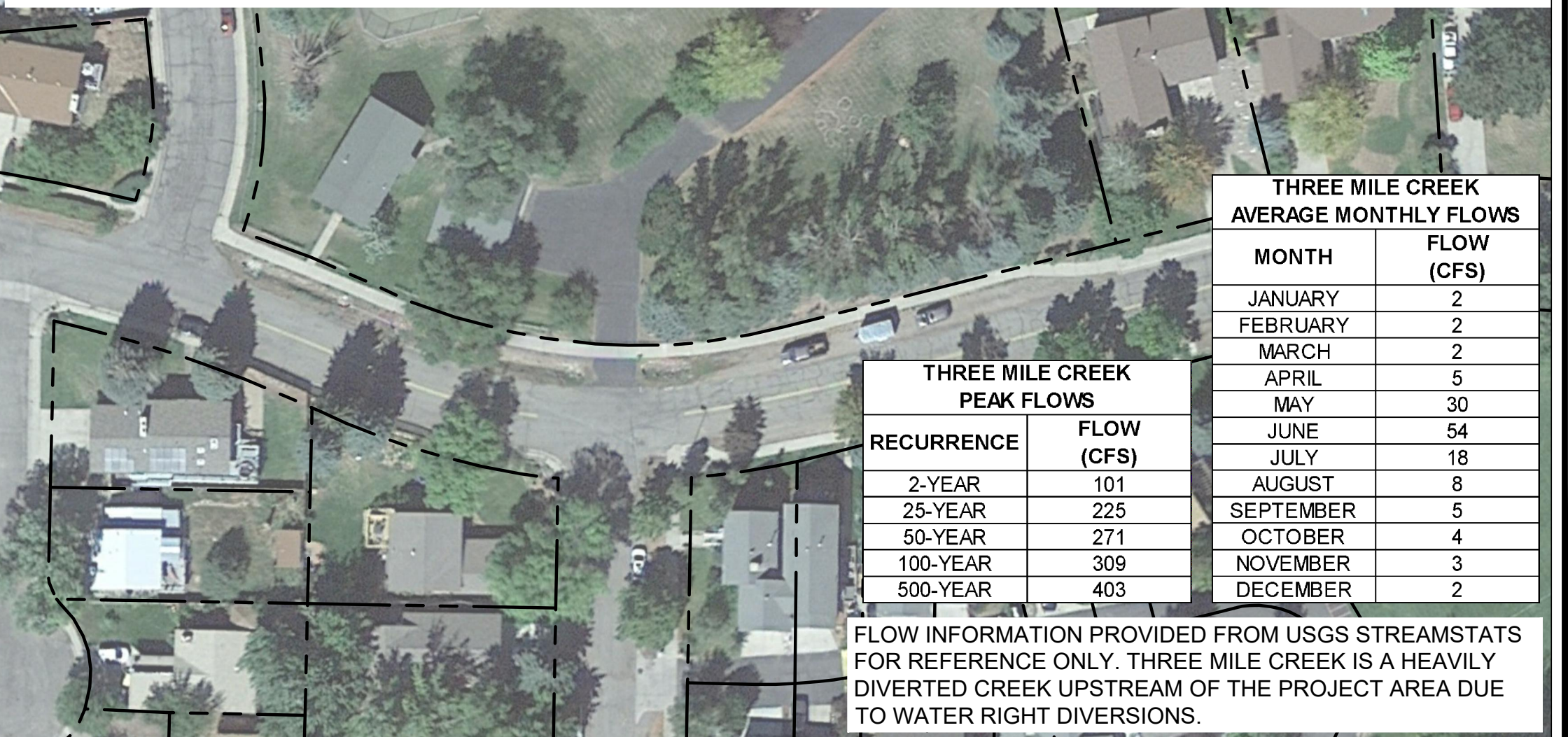
- NOTES:
1. CONCRETE AND GRAVEL TRAIL TO BE CLOSED DURING CONSTRUCTION
 2. INTENT OF DURA-BASE (ADVANCED COMPOSITE MAT SYSTEM) OR APPROVED EQUAL IS TO PROVIDE SOME LEVEL OF TRAIL PROTECTION FOR THE CONCRETE TRAIL. CONTRACTOR TO PROVIDE TRAIL PROTECTION PLAN TO ENGINEER. TRAIL PROTECTION ONLY FOR CONCRETE PORTION OF TRAIL.
 3. CONTRACTOR IS NOT RESPONSIBLE FOR REPAIRING OR REPLACING THE DAMAGED CONCRETE TRAIL PROVIDED THE CONTRACTOR MAKES A GOOD FAITH EFFORT TO PROTECT THE TRAIL.
 4. CONTRACTOR SHALL REPAIR GRAVEL TRAIL TO PRE-PROJECT CONDITIONS AS DIRECTED BY THE ENGINEER. PROPOSED STAGING AND ACCESS ROUTE ALL ON CITY OF GLENWOOD SPRINGS PROPERTY.
 5. TWO BID ALTERNATE ITEMS ARE INCLUDED AS PART OF THIS PROJECT THAT ADDRESS TRAIL PROTECTION AND POTENTIALLY LIMIT THE DAMAGE TO THE CONCRETE TRAIL.
 - 6.1. BID ALTERNATE 1 INTENT IS TO REPLACE 36" BOULDERS WITH ADDITIONAL 30" BOULDERS AND LIMIT THE ALLOWABLE WEIGHT ON THE CONCRETE TRAIL, THEREFORE POTENTIALLY INCREASING THE NUMBER OF LOADS. THIS BID ALTERNATE WILL NEED TO COMPLY WITH THE RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EVALUATION BY KUMAR FOR THE PROTECTION OF THE TRAIL.
 - 6.2. BID ALTERNATE 2 INTENT IS TO REDUCE THE LINEAR FEET OF TRAIL PROTECTION (I.E. DURA-BASE MAT OR EQUIVALENT) TO 75 LINEAR FEET AND USE A TRACKED MACHINE TO IMPORT MATERIAL TO THE SITE WHICH SHOULD HAVE LESS IMPACT ON THE CONCRETE TRAIL.



STAGING AREA INSET MAP



- STAGING AREA NOTES:
1. PARK AREA WILL REMAIN CLOSED FOR THE DURATION OF THE ACTIVE CONSTRUCTION ACTIVITIES.
 2. THE CONTRACTOR SHALL COORDINATE ALL REMOVALS OF EXISTING PARK INFRASTRUCTURE WITH THE ENGINEER AND PARKS DEPARTMENT.
 3. SOD REPLACEMENT SHALL INCLUDE ANY REGRADEING OF THE PARK TO RETURN IT TO ITS EXISTING CONDITIONS AND INCLUDE REPAIR AND/OR REPLACEMENT OF DAMAGED IRRIGATION SYSTEM.
 4. CONTRACTOR SHALL REMOVE TRACKED SEDIMENT AND MATERIAL LOCATED IN THE EXISTING ROADWAY AND DRAINAGE SYSTEMS.



THREE MILE CREEK PEAK FLOWS	
RECURRENCE	FLOW (CFS)
2-YEAR	101
25-YEAR	225
50-YEAR	271
100-YEAR	309
500-YEAR	403

THREE MILE CREEK AVERAGE MONTHLY FLOWS	
MONTH	FLOW (CFS)
JANUARY	2
FEBRUARY	2
MARCH	2
APRIL	5
MAY	30
JUNE	54
JULY	18
AUGUST	8
SEPTEMBER	5
OCTOBER	4
NOVEMBER	3
DECEMBER	2

FLOW INFORMATION PROVIDED FROM USGS STREAMSTATS FOR REFERENCE ONLY. THREE MILE CREEK IS A HEAVILY DIVERTED CREEK UPSTREAM OF THE PROJECT AREA DUE TO WATER RIGHT DIVERSIONS.

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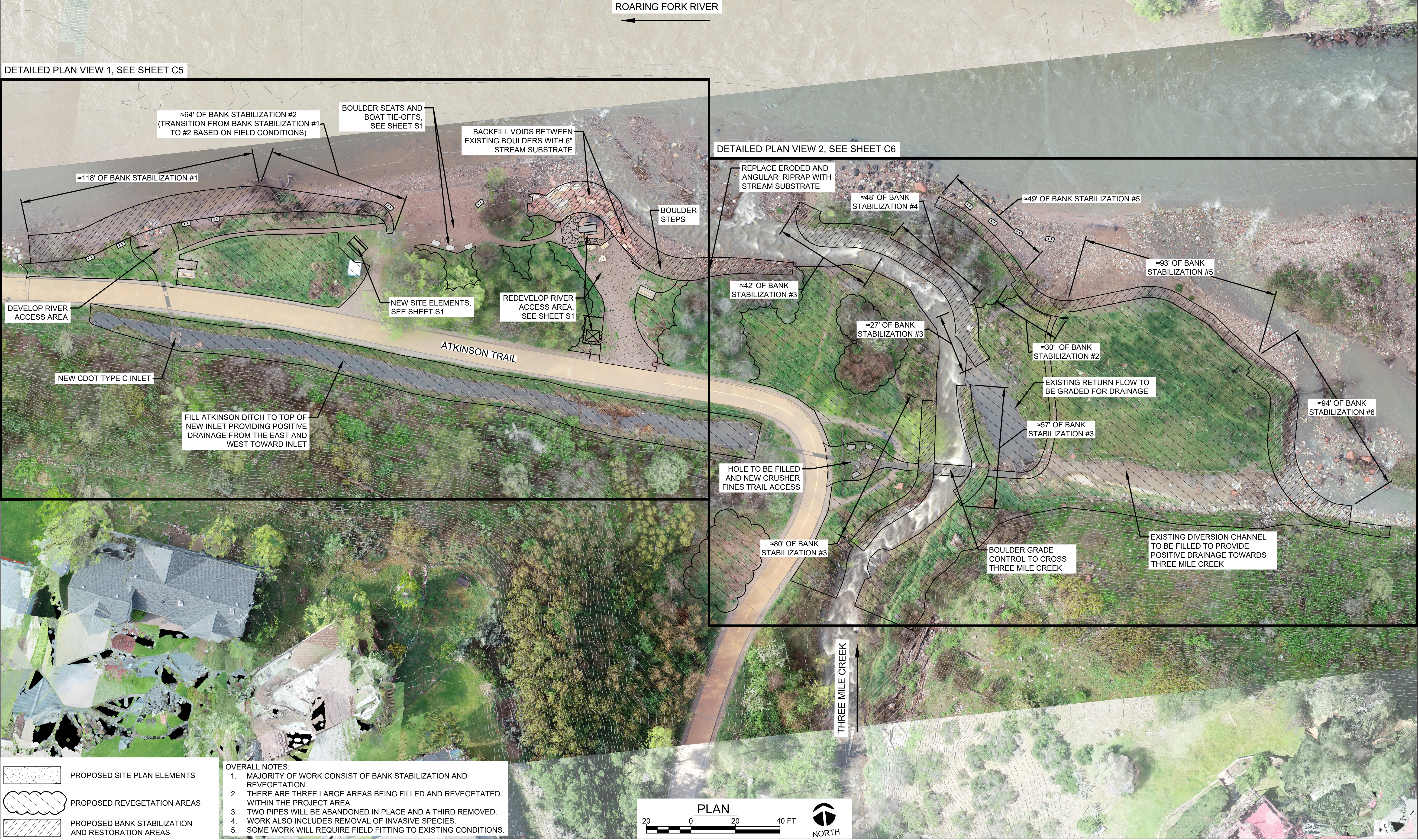
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THREE MILE CREEK CONFLUENCE

SITE ACCESS

JOB NO. 191-025.000
REVISION NO. ----
SHEET NO. G3



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THREE MILE CREEK CONFLUENCE

OVERALL PLAN VIEW

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REVISION NO. ----
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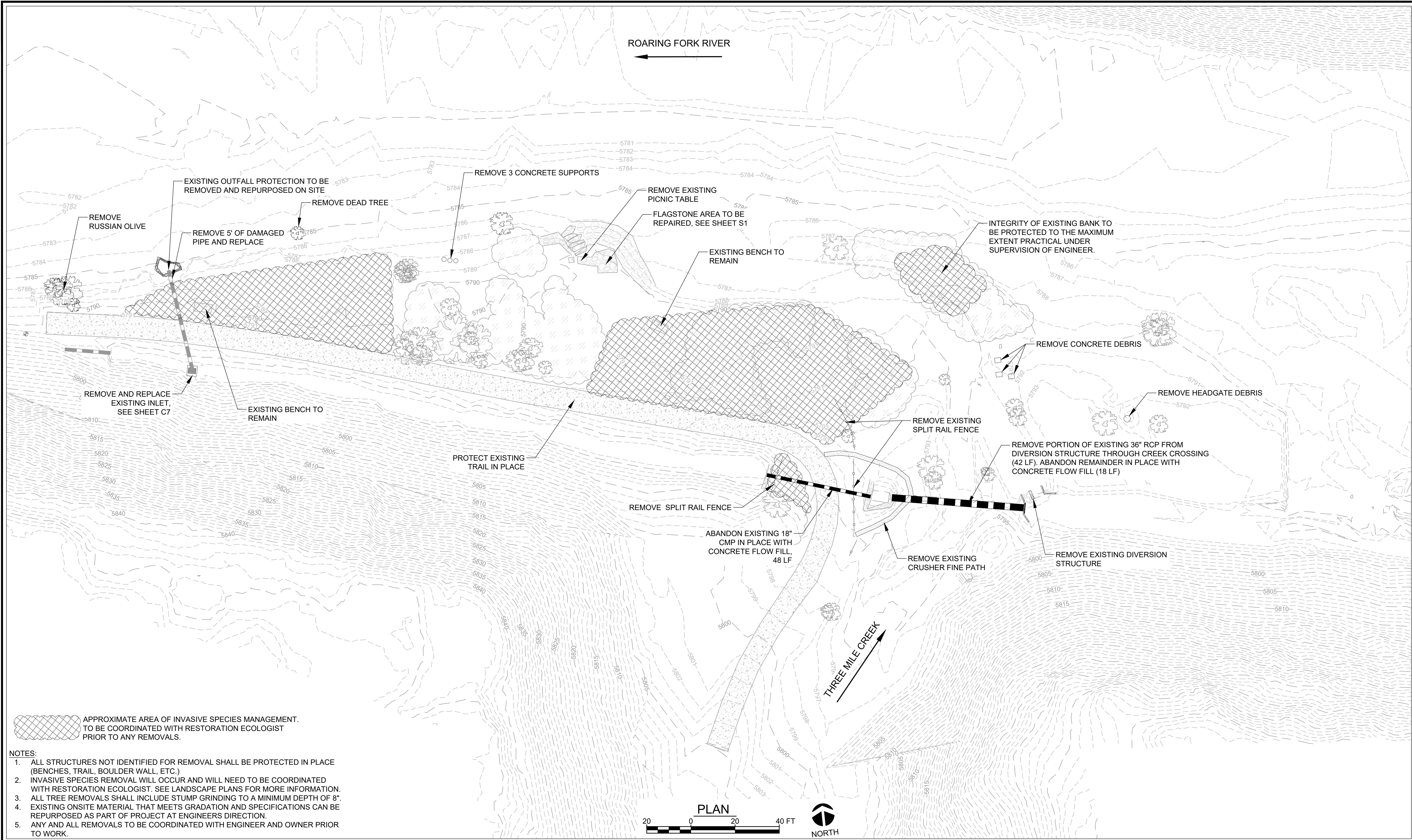
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THREE MILE CREEK CONFLUENCE	JOB NO. 191-025.000
STORMWATER MANAGEMENT PLAN	REVISION NO. ----
	SHEET NO. C3

Plot Date/Time: 01/20/2023, 09:05:59 AM, G:\WWE\191-025\000\CAD\01_DWG\SET\SET-CIVIL-DWG-C4 DEMOLITION AND REMOVAL PLAN



- NOTES:
1. ALL STRUCTURES NOT IDENTIFIED FOR REMOVAL SHALL BE PROTECTED IN PLACE (BENCHES, TRAIL, BOULDER WALL, ETC.)
 2. INVASIVE SPECIES REMOVAL WILL OCCUR AND WILL NEED TO BE COORDINATED WITH RESTORATION ECOLOGIST. SEE LANDSCAPE PLANS FOR MORE INFORMATION.
 3. ALL TREE REMOVALS SHALL INCLUDE STUMP GRINDING TO A MINIMUM DEPTH OF 8".
 4. EXISTING ONSITE MATERIAL THAT MEETS GRADATION AND SPECIFICATIONS CAN BE REPURPOSED AS PART OF PROJECT AT ENGINEERS DIRECTION.
 5. ANY AND ALL REMOVALS TO BE COORDINATED WITH ENGINEER AND OWNER PRIOR TO WORK.

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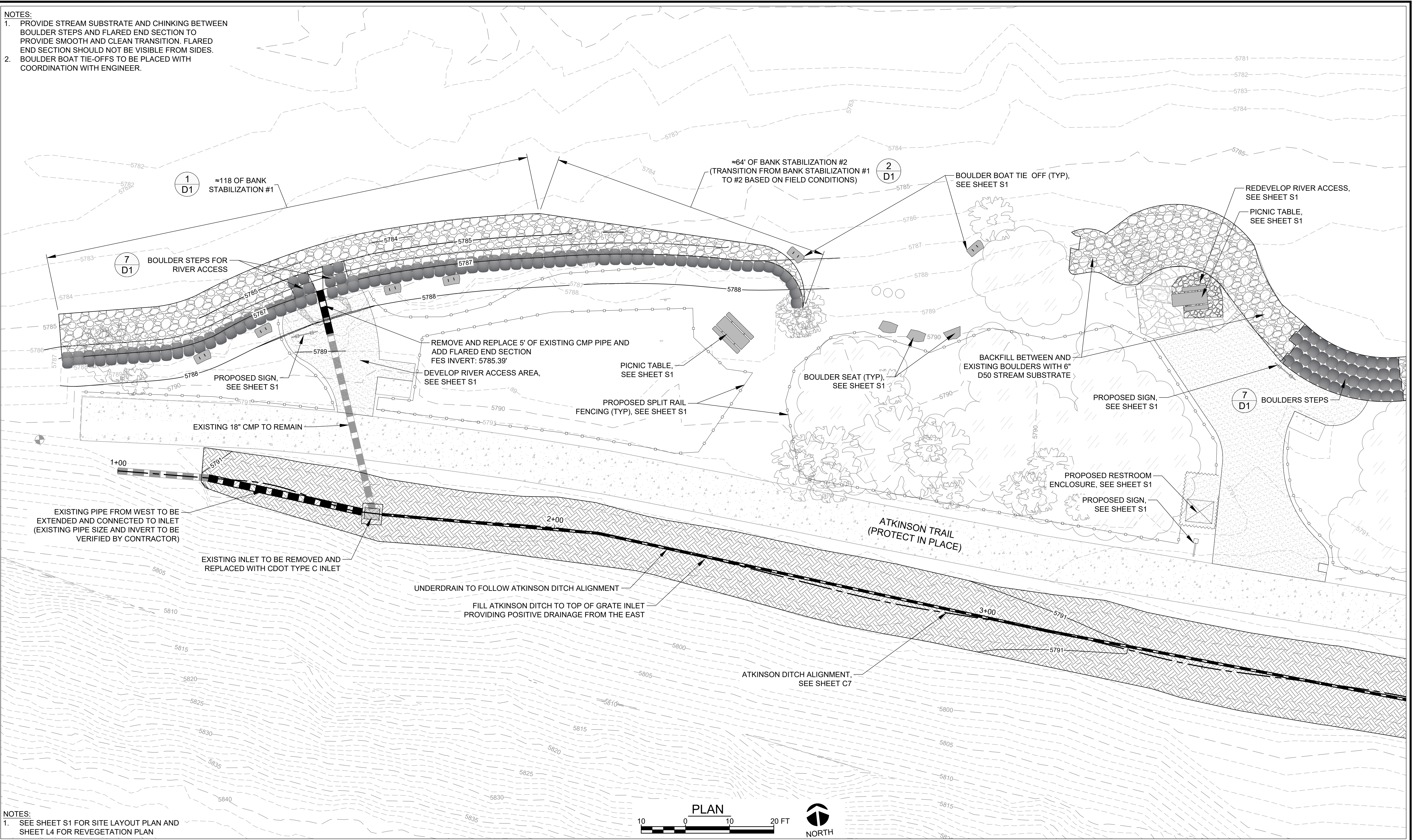
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THREE MILE CREEK CONFLUENCE	JOB NO. 191-025.000
DEMOLITION AND REMOVAL PLAN	REVISION NO. ----
	SHEET NO. C4

- NOTES:
1. PROVIDE STREAM SUBSTRATE AND CHINKING BETWEEN BOULDER STEPS AND FLARED END SECTION TO PROVIDE SMOOTH AND CLEAN TRANSITION. FLARED END SECTION SHOULD NOT BE VISIBLE FROM SIDES.
 2. BOULDER BOAT TIE-OFFS TO BE PLACED WITH COORDINATION WITH ENGINEER.



- NOTES:
1. SEE SHEET S1 FOR SITE LAYOUT PLAN AND SHEET L4 FOR REVEGETATION PLAN

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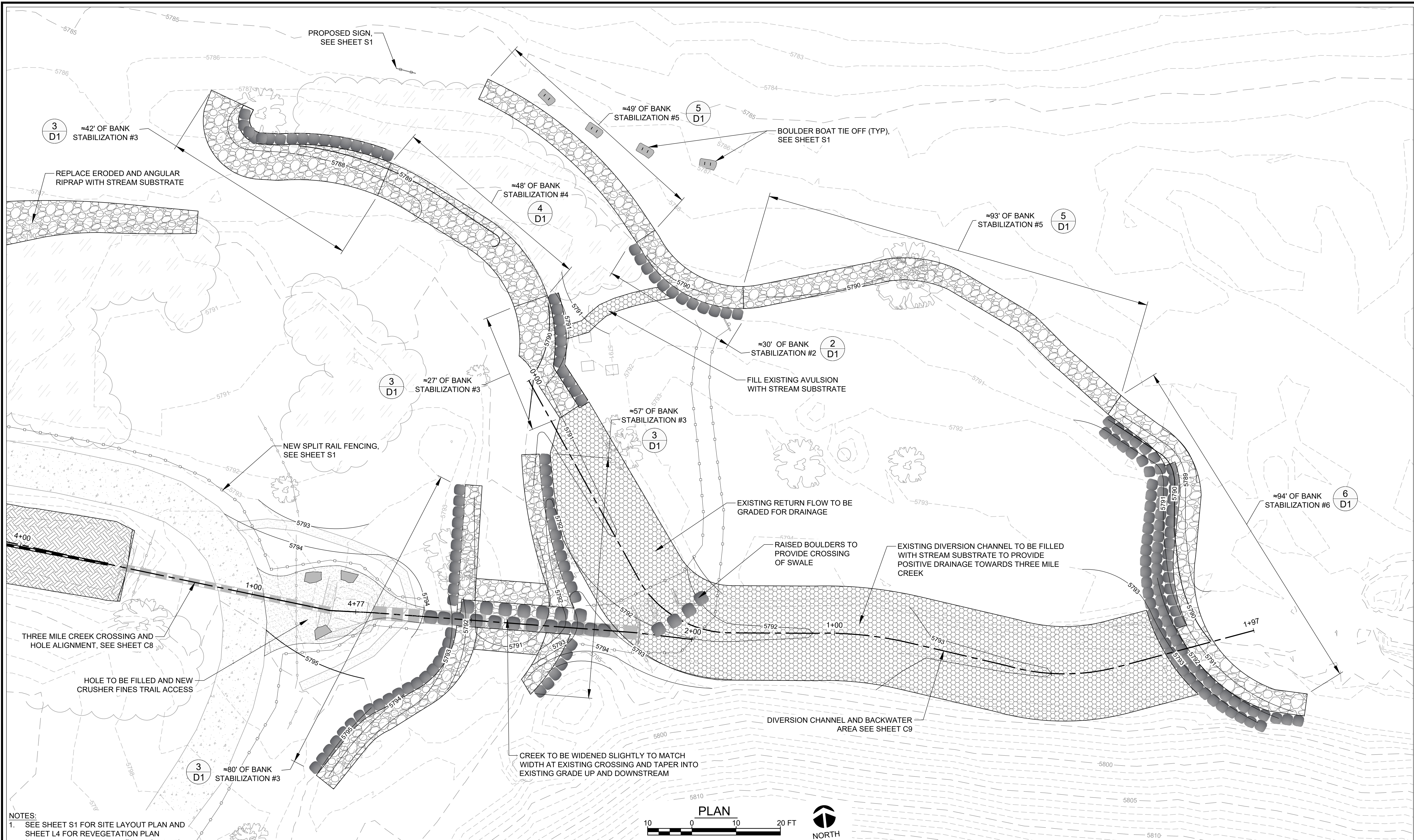
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THREE MILE CREEK CONFLUENCE

DETAILED PLAN VIEW 1

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	C5

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NOTES:
1. SEE SHEET S1 FOR SITE LAYOUT PLAN AND SHEET L4 FOR REVEGETATION PLAN

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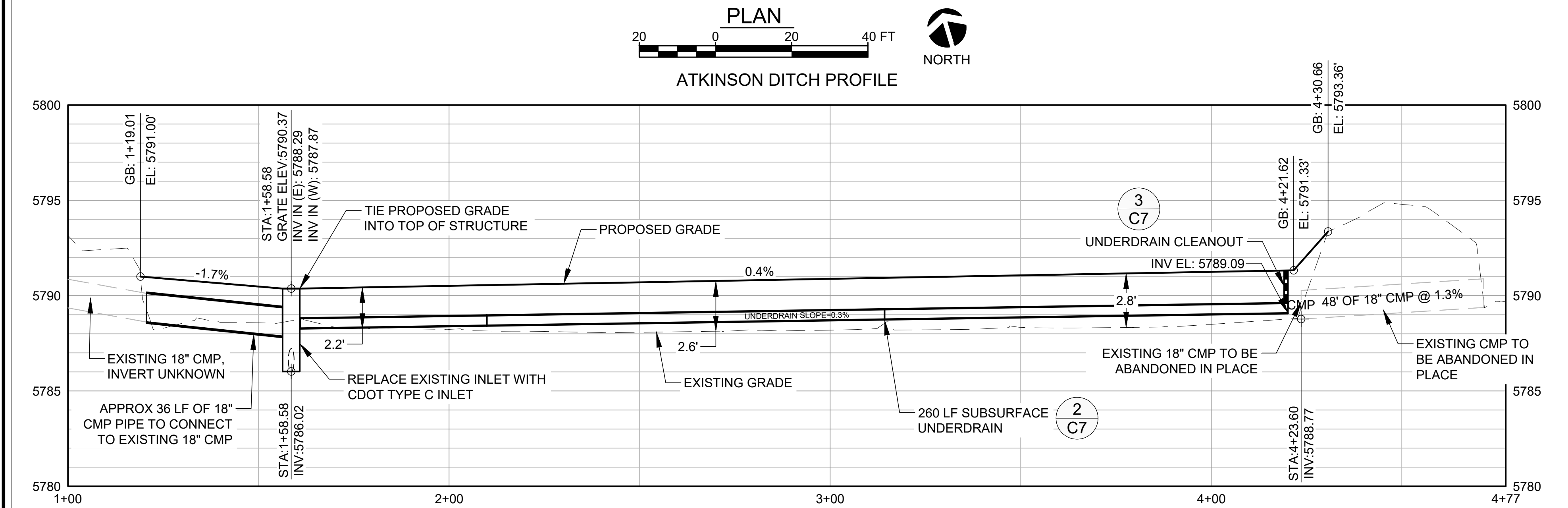
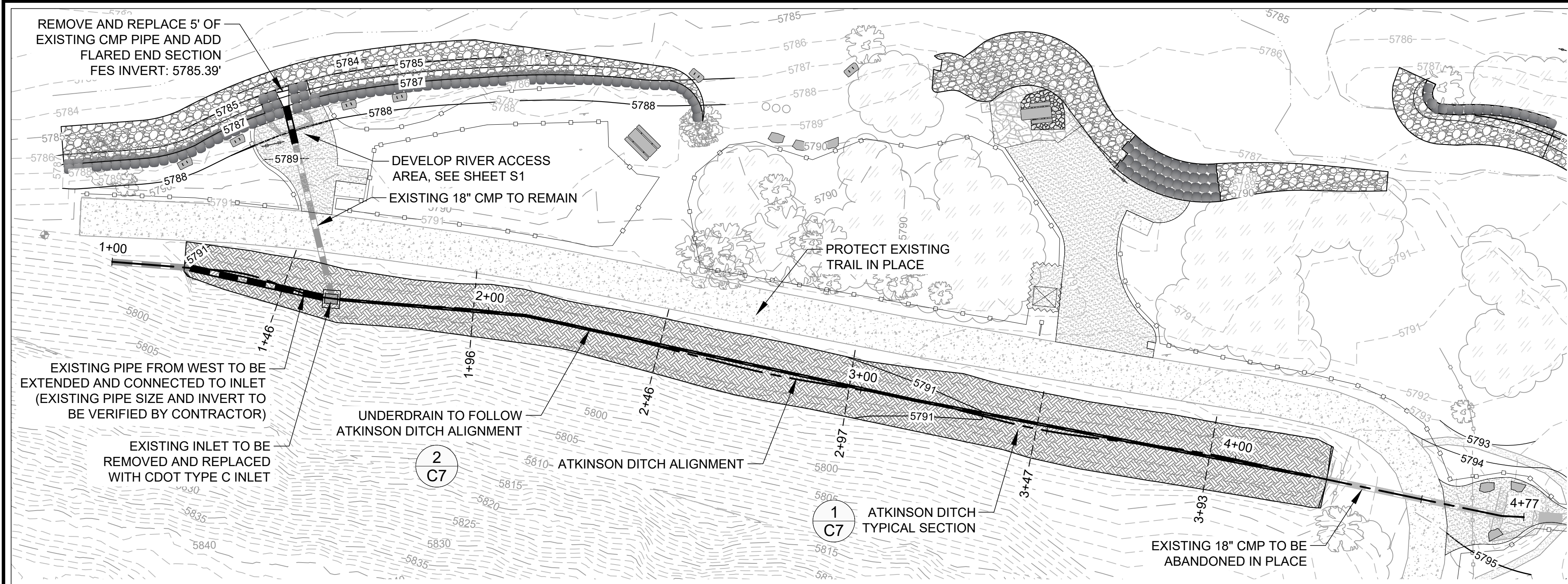
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THREE MILE CREEK CONFLUENCE

DETAILED PLAN VIEW 2

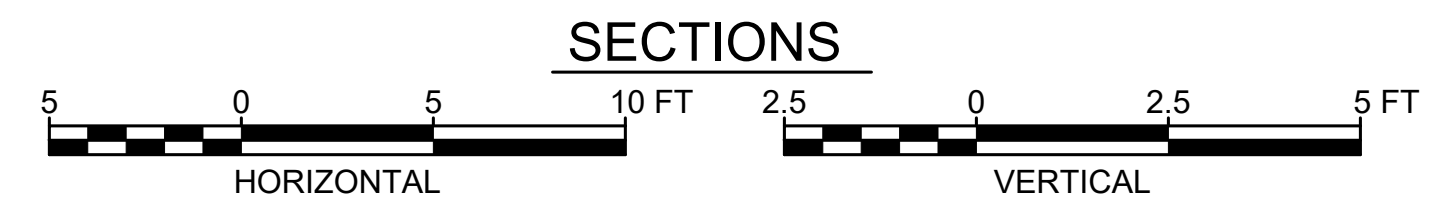
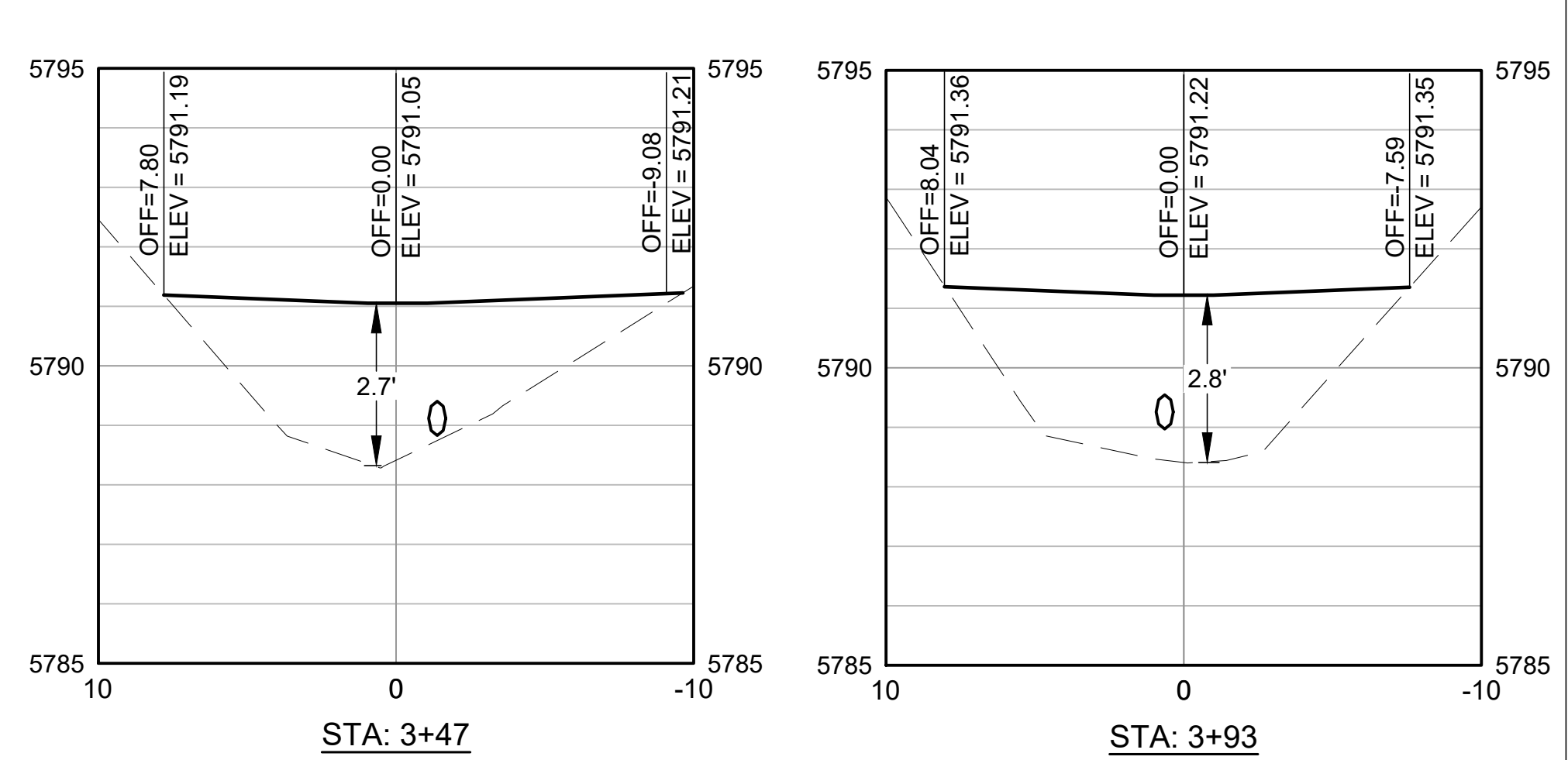
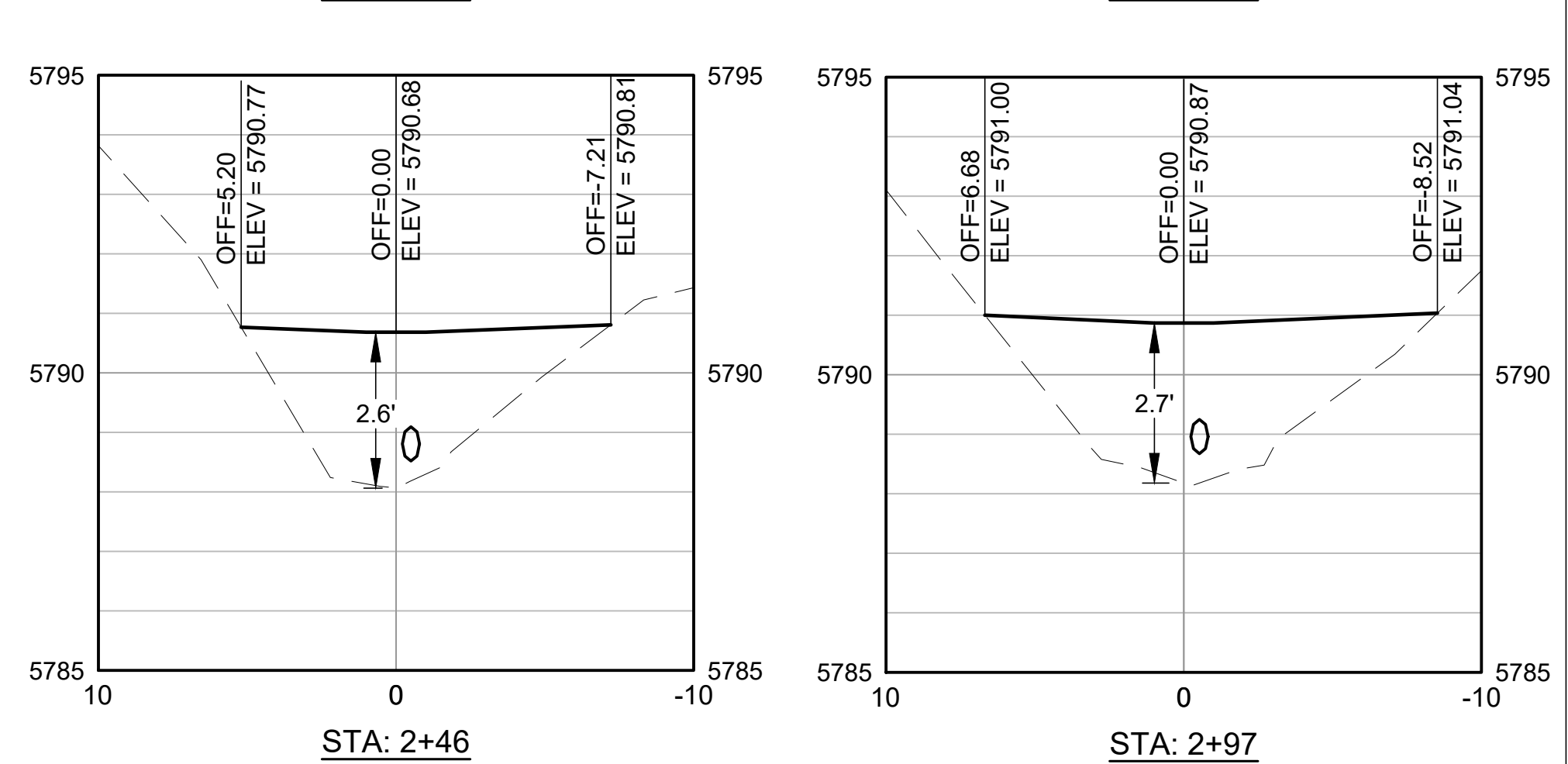
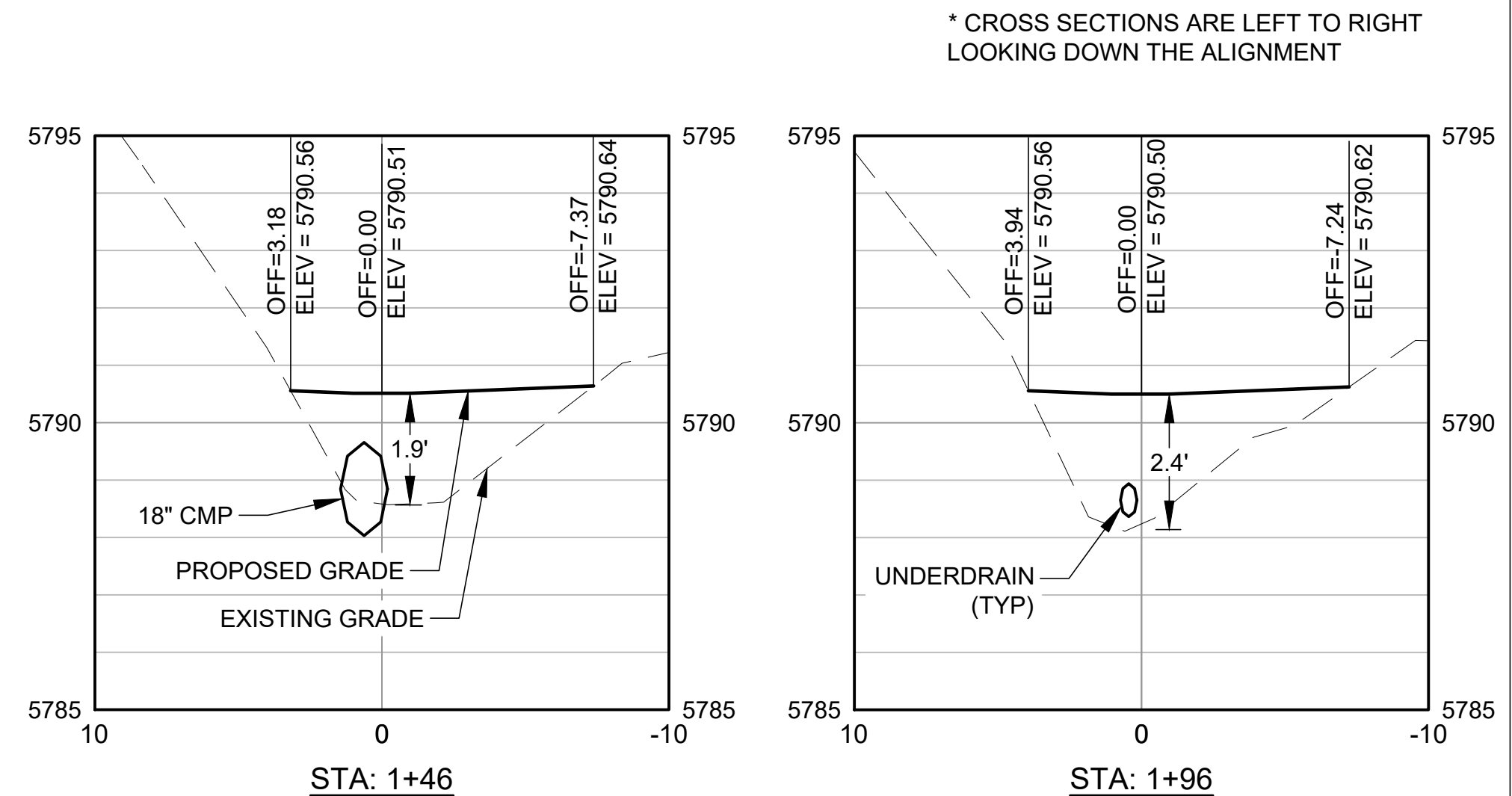
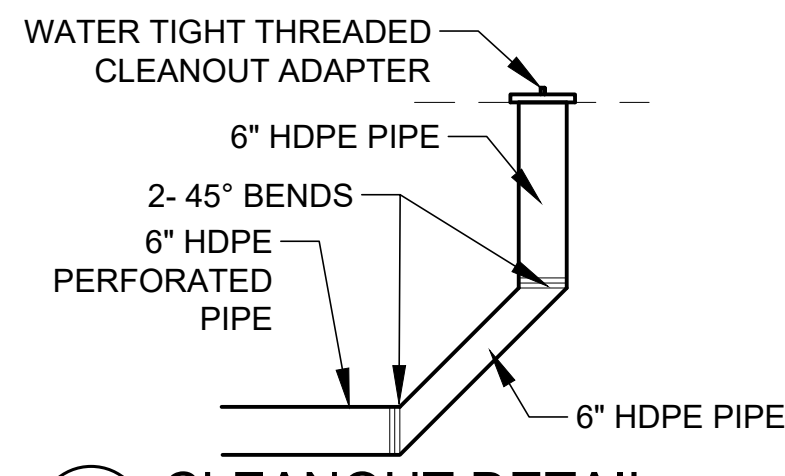
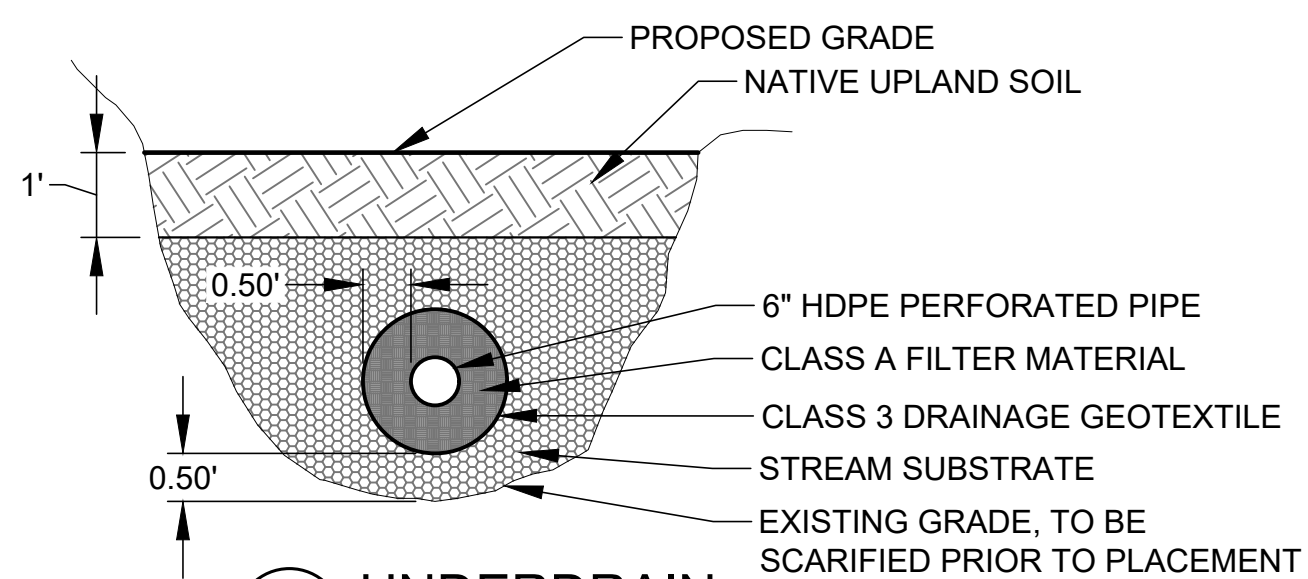
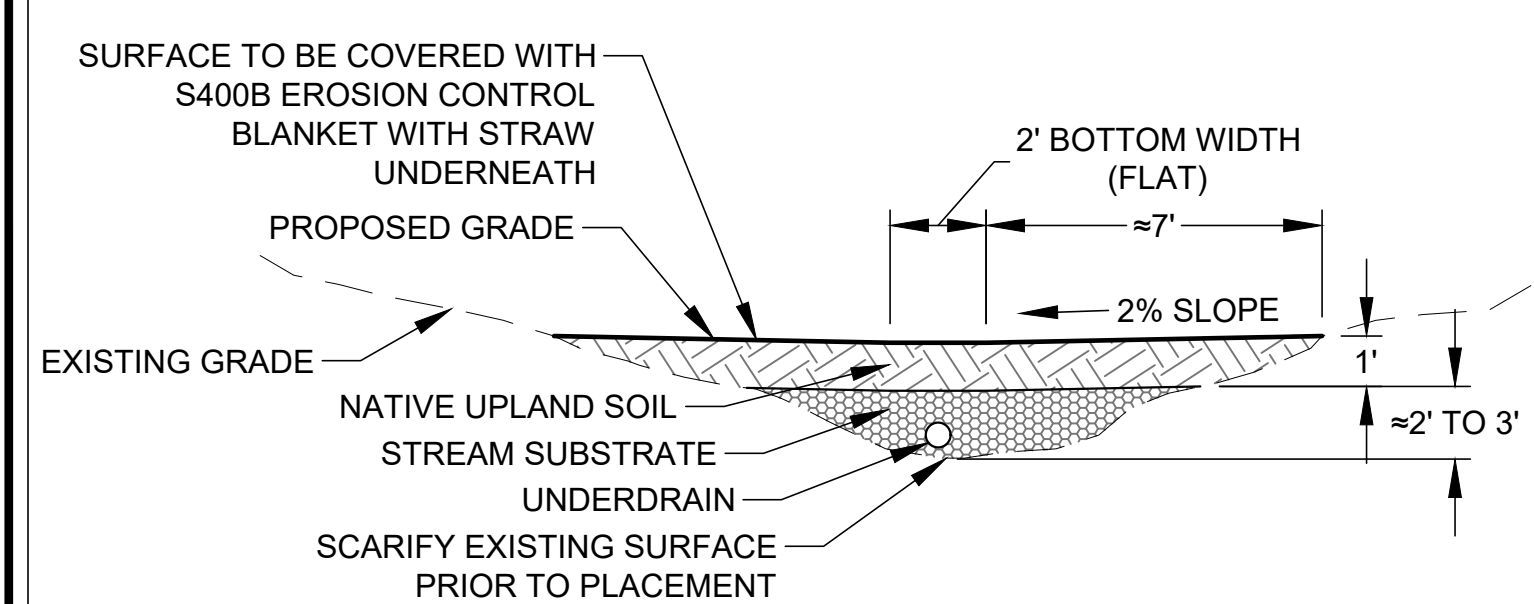
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REVISION NO.	----
SHEET NO.	C6

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NOTES:

1. EXISTING 18" CMP COMING FROM THE WEST IS BURIED AND SHALL BE EXPOSED BY CONTRACTOR TO VERIFY INVERTS PRIOR TO ORDERING INLET. SHOP DRAWINGS TO BE PROVIDED BY CONTRACTOR AND DESIGN TO BE VERIFIED BY ENGINEER.



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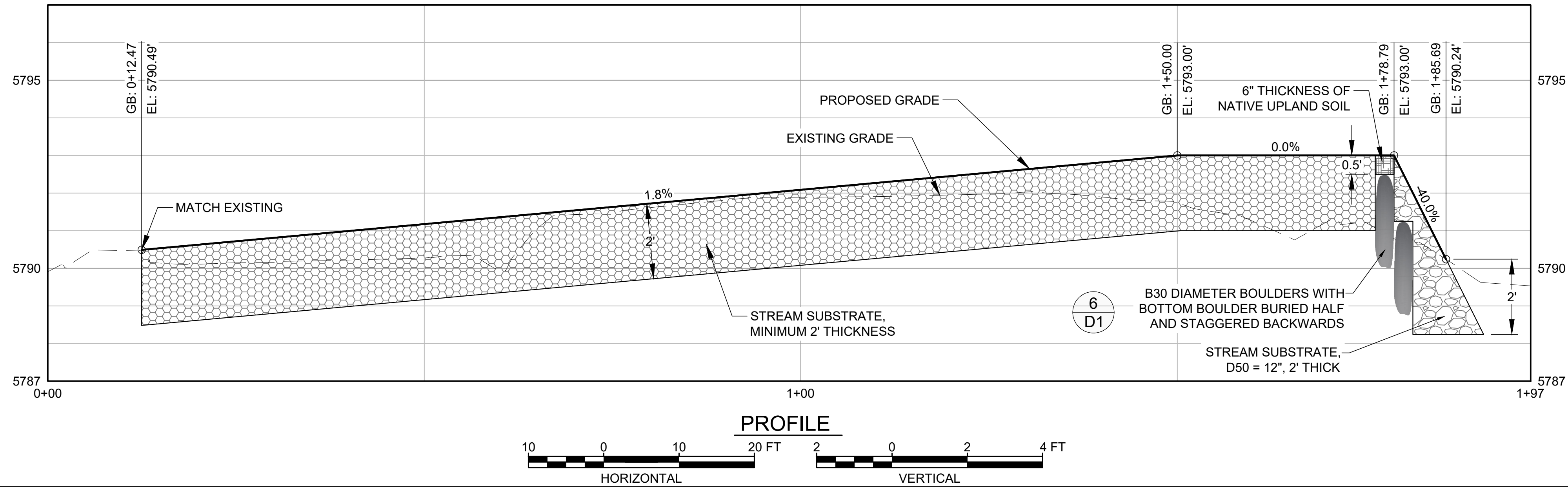
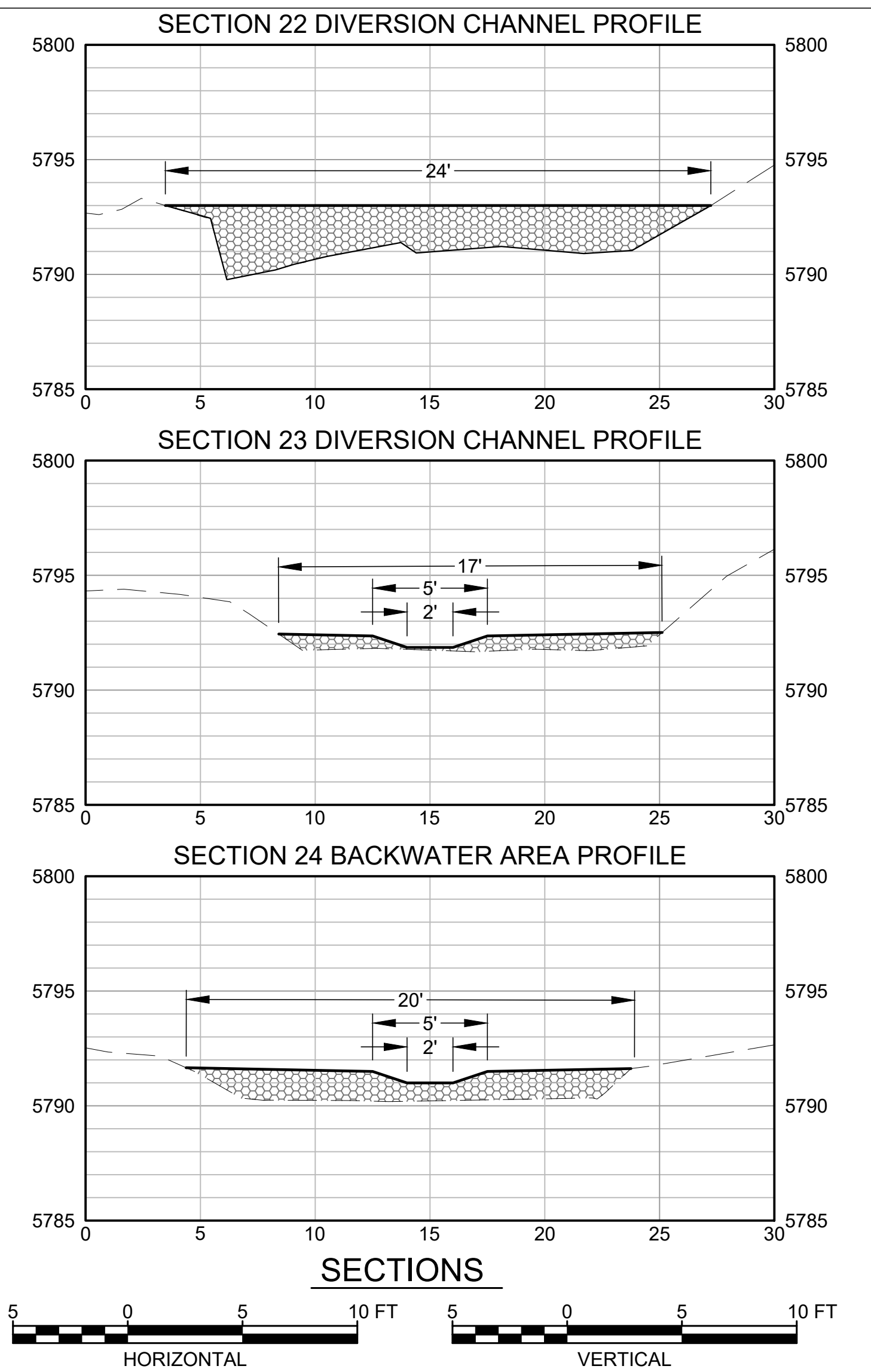
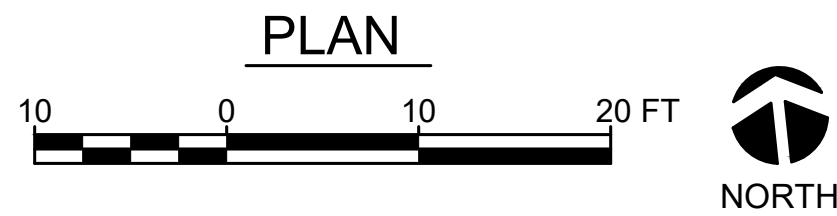
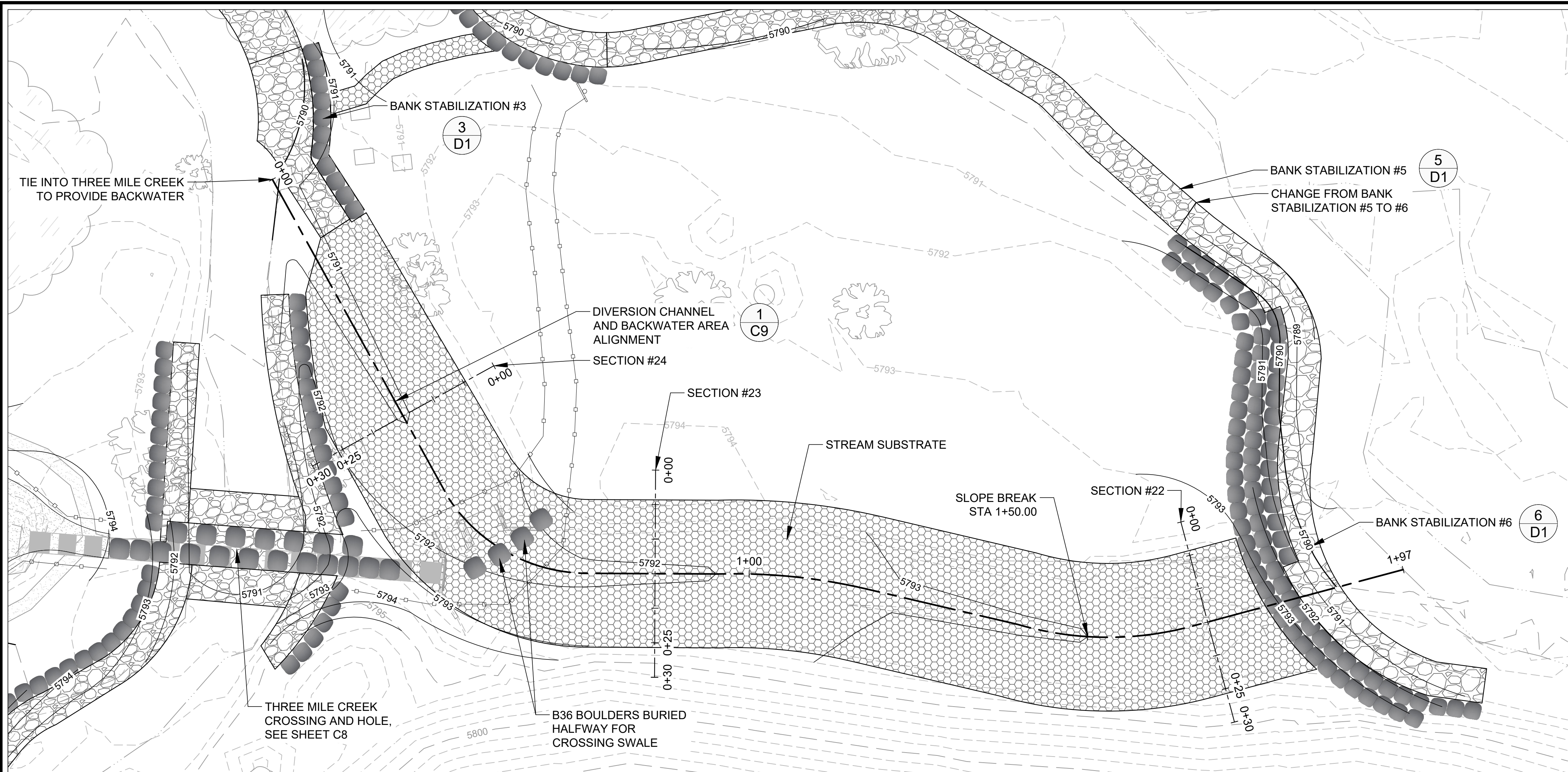
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THREE MILE CREEK CONFLUENCE

PLAN AND PROFILE -
ATKINSON DITCH

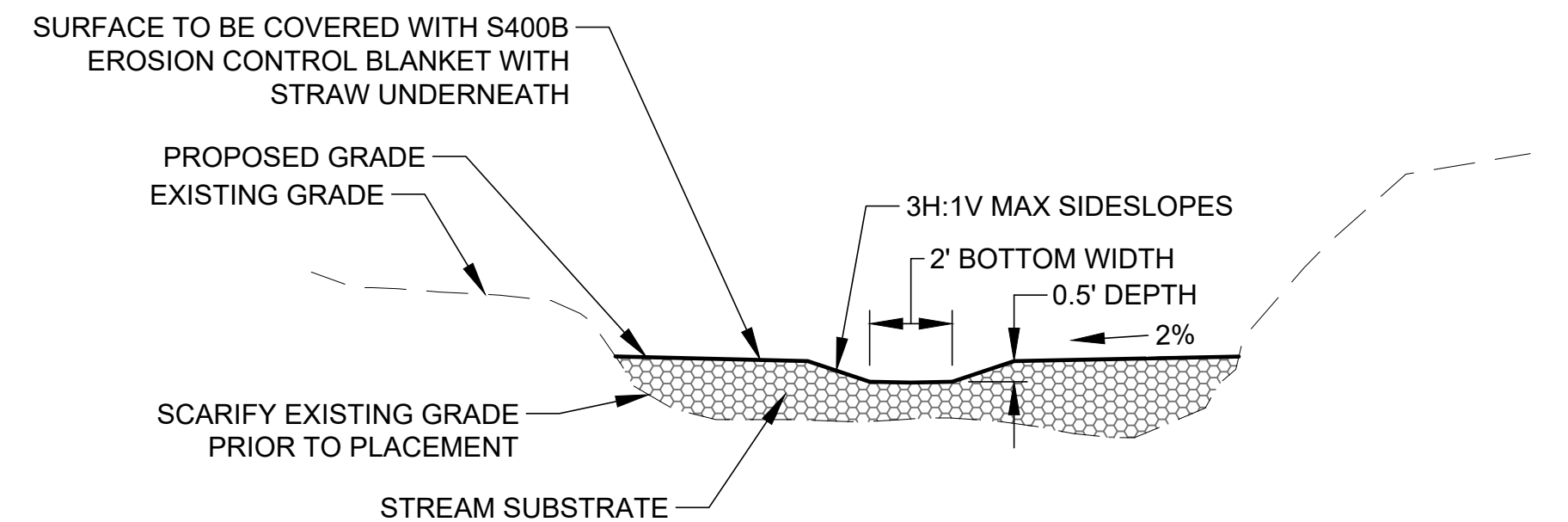
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NOTES:

1. TYPICAL CHANNEL WITH INSET CHANNEL ONLY APPLICABLE FROM STATION STA 1+50.00 TO STA 0+12.47. SECTION FROM STA 1+50.00 TO STA 1+78.79 TO BE FLAT GRADED.



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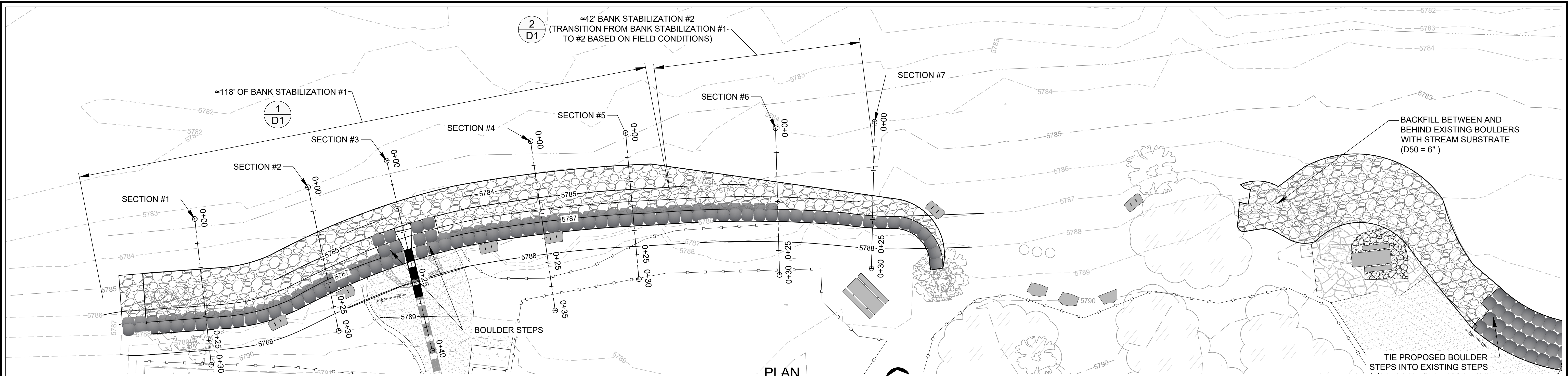
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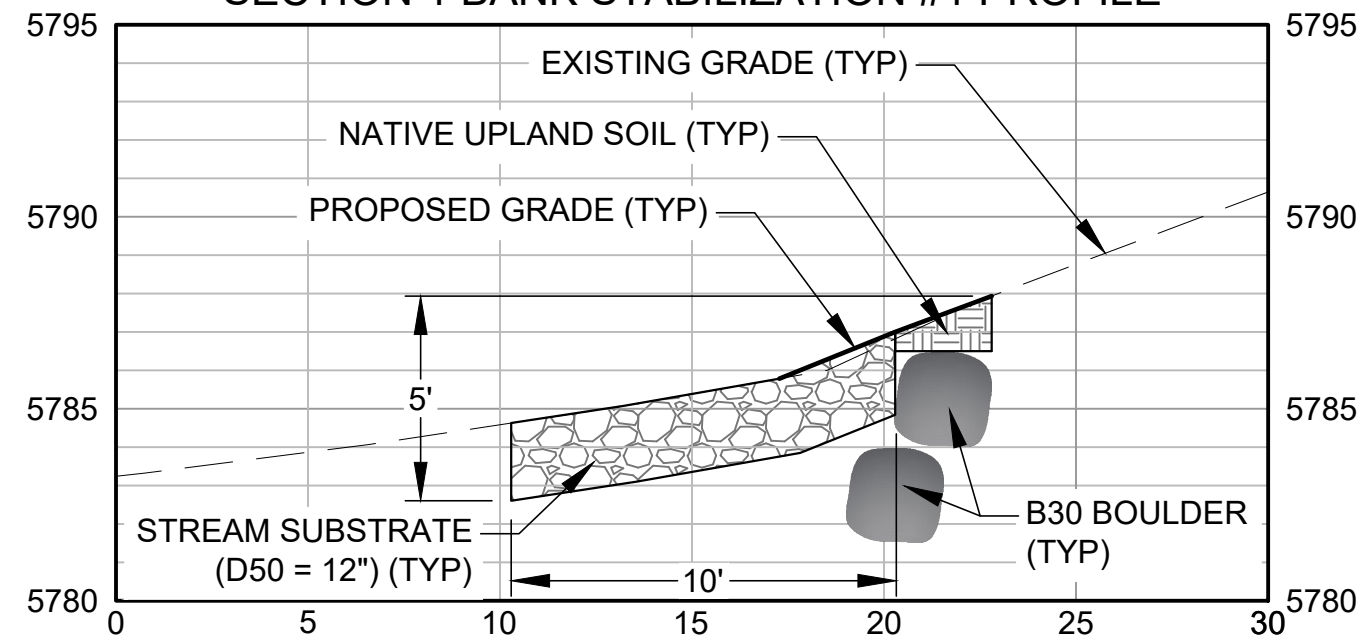
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THREE MILE CREEK CONFLUENCE		JOB NO. 191-025.000
PLAN AND PROFILE - DIVERSION CHANNEL AND BACKWATER AREA		REVISION NO. ----
		SHEET NO. C9

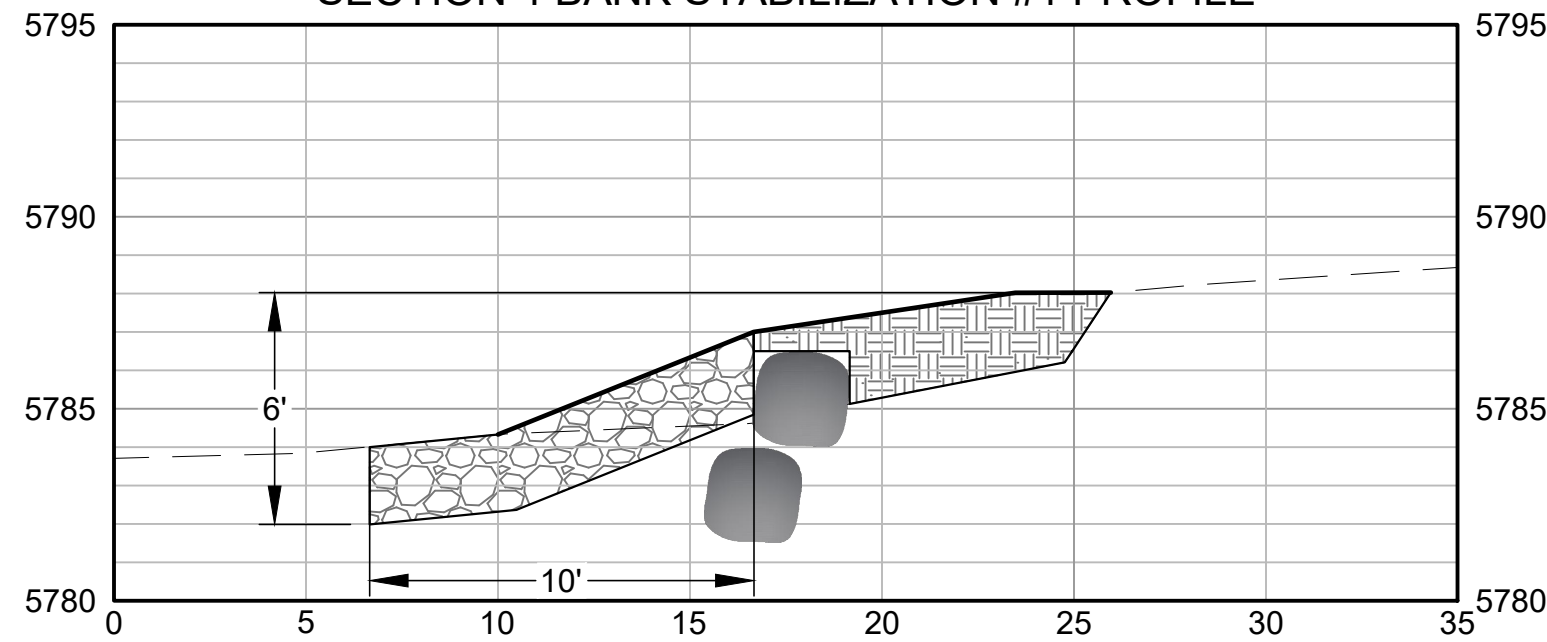
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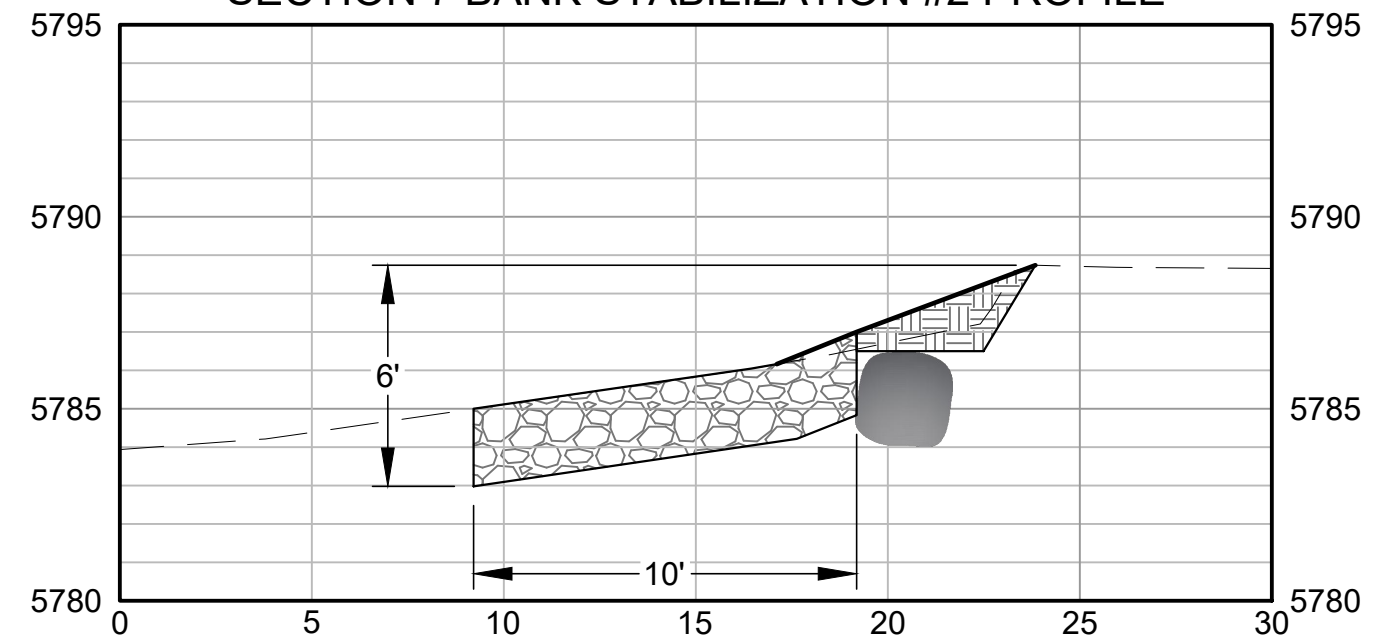
SECTION 1 BANK STABILIZATION #1 PROFILE



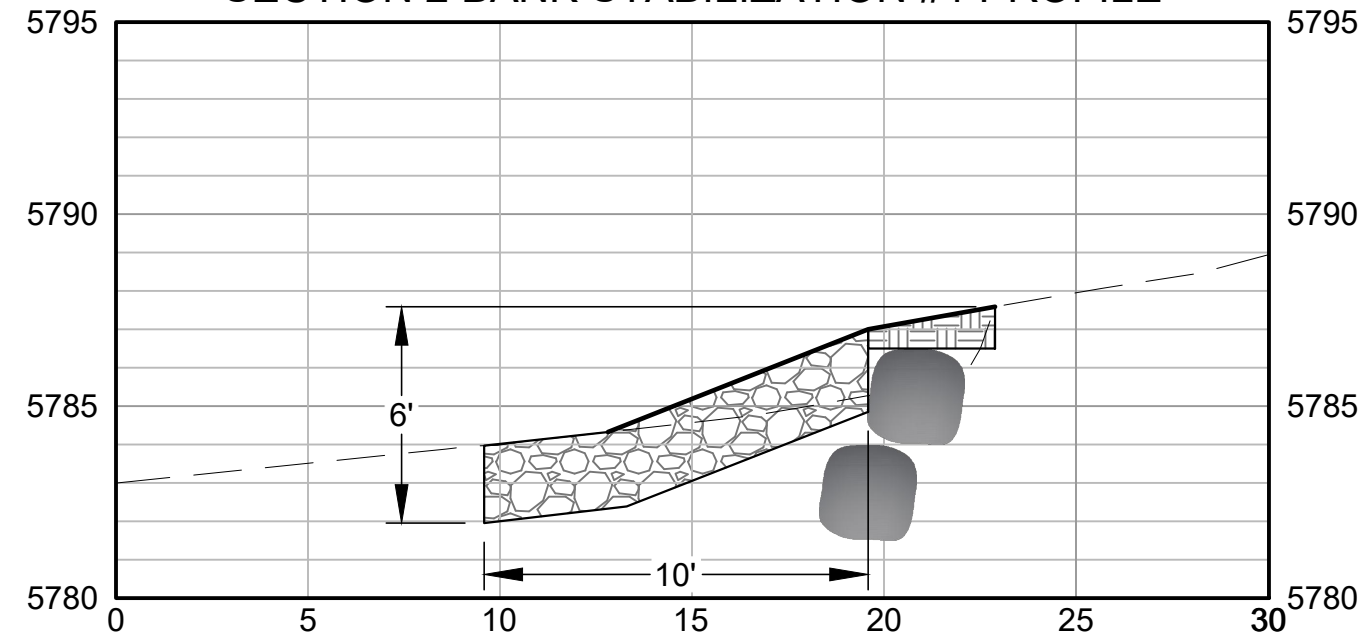
SECTION 4 BANK STABILIZATION #1 PROFILE



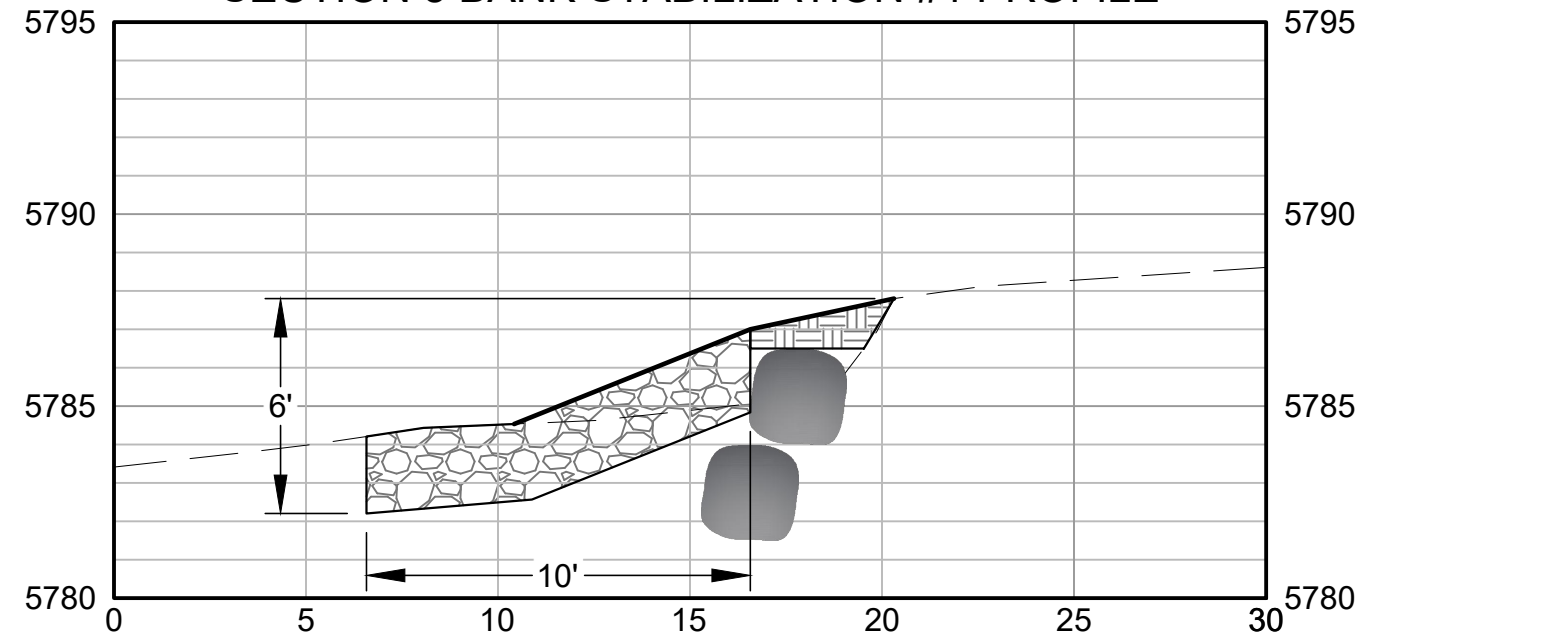
SECTION 7 BANK STABILIZATION #2 PROFILE



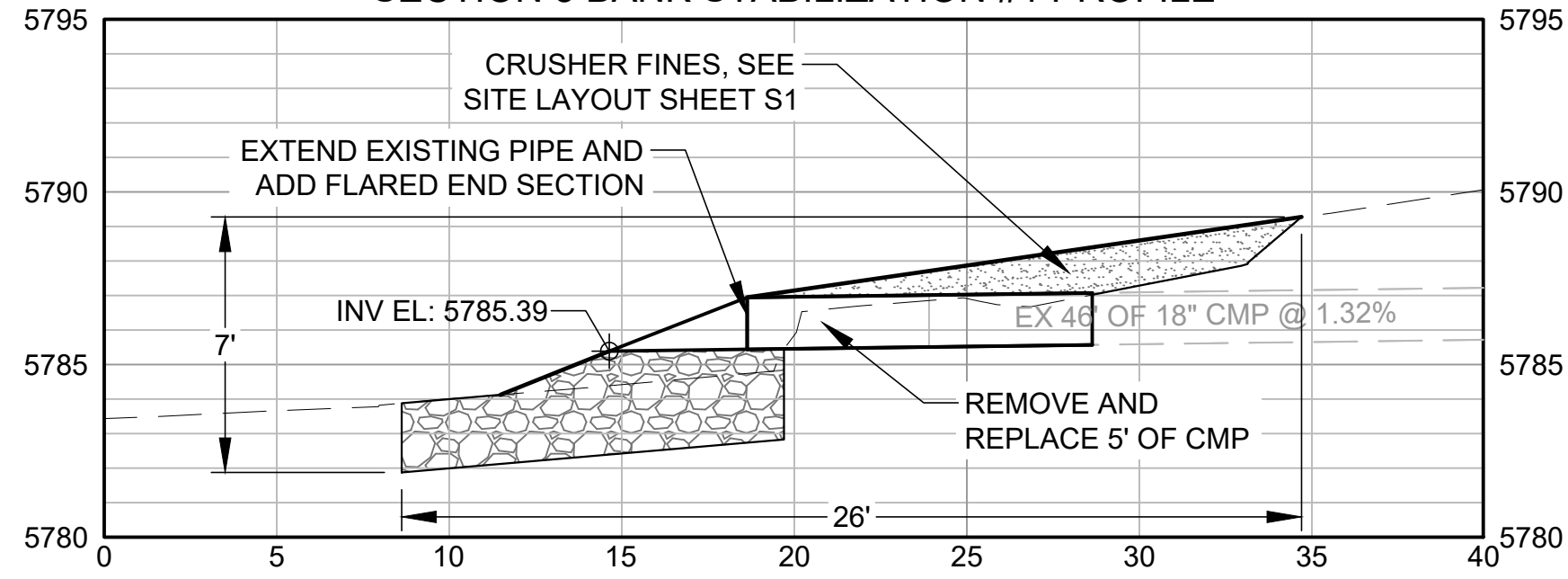
SECTION 2 BANK STABILIZATION #1 PROFILE



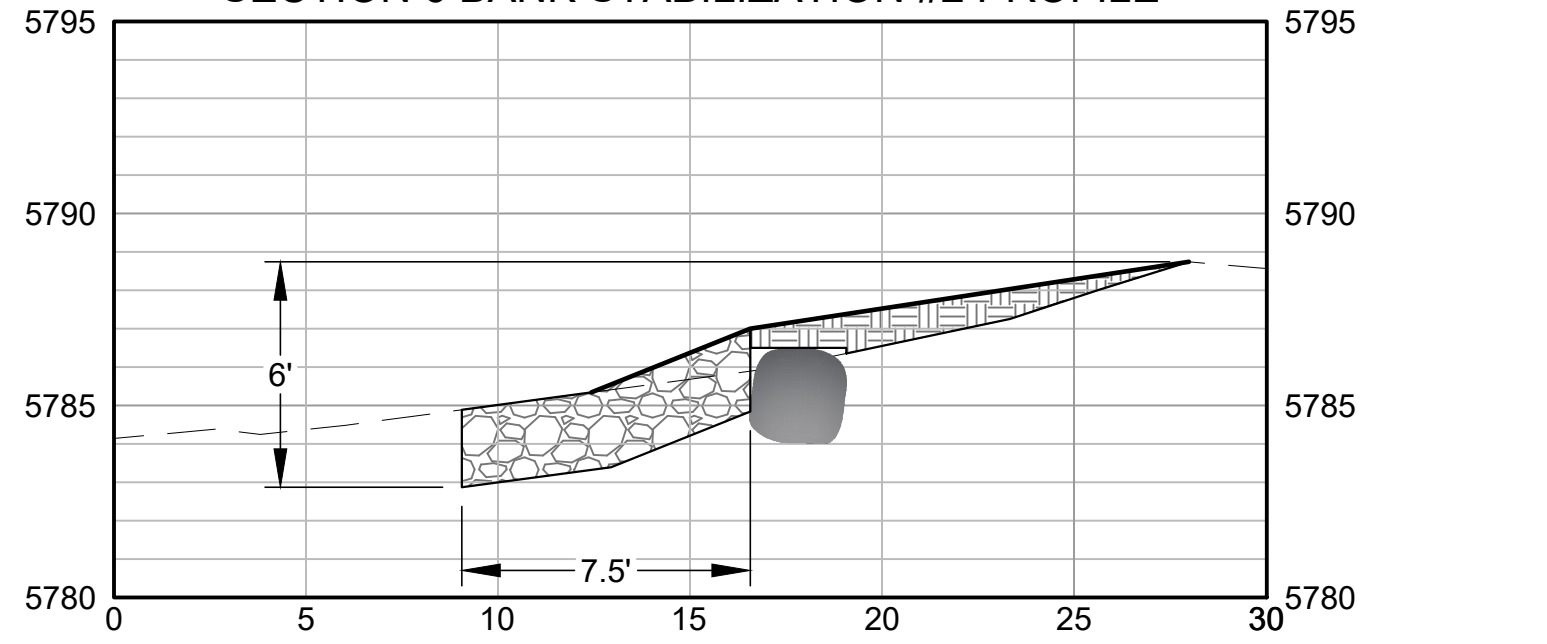
SECTION 5 BANK STABILIZATION #1 PROFILE



SECTION 3 BANK STABILIZATION #1 PROFILE



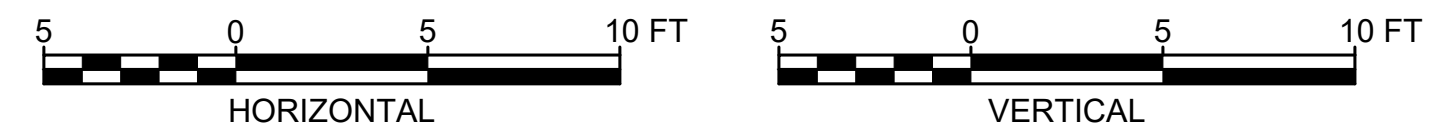
SECTION 6 BANK STABILIZATION #2 PROFILE



SECTION NOTES:

1. SEE DETAIL SHEETS FOR ROCK SIZES, SLOPES AND ADDITIONAL INFORMATION.
2. TOP BOULDERS TO BE SET AT 6" BELOW PROPOSED GRADE. INTENT IS TO LIMIT BOULDER VISIBILITY. PROVIDE 6" OF NATIVE UPLAND SOIL ABOVE TOP OF BOULDER FOR REVEGETATION ASPECTS.
3. STREAM SUBSTRATE SHALL HAVE A MINIMUM THICKNESS OF 2'.
4. SOME WORK WILL REQUIRE EXCAVATION OF EXISTING GRADE TO PLACE BOULDER OR STREAM SUBSTRATE.
5. EXCAVATED STREAM SUBSTRATE FOR PLACEMENT OF BOULDERS CAN BE REPURPOSED ON SITE WITH ENGINEERS APPROVAL.
6. ALL BANK STABILIZATION WILL INCLUDE EROSION CONTROL BLANKET AS SHOWN ON THE DETAILS. BANK STABILIZATION WILL INCLUDE KOIRMAT 700 FROM THE FRONT FACE OF THE BOULDER WITH A WIDTH OF 5' INTO UPLAND AREAS. S400B EROSION CONTROL BLANKET UNDERLAID WITH STRAW WILL BE USED FOR ALL OTHER DISTURBED AREAS FOR REVEGETATION ASPECTS.
7. SECTIONS ARE APPROXIMATE AND FIELD FITTING WITH ENGINEERS APPROVAL WILL BE REQUIRED.

SECTIONS



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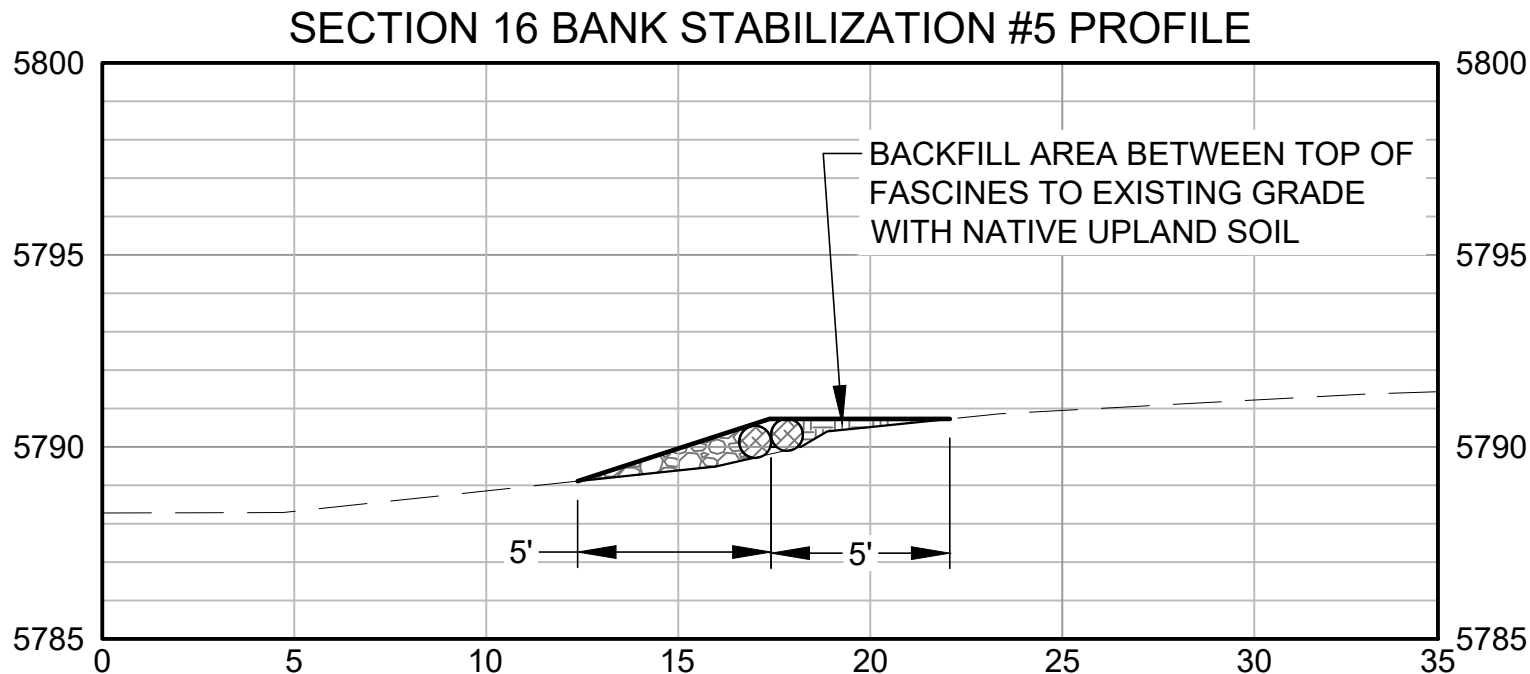
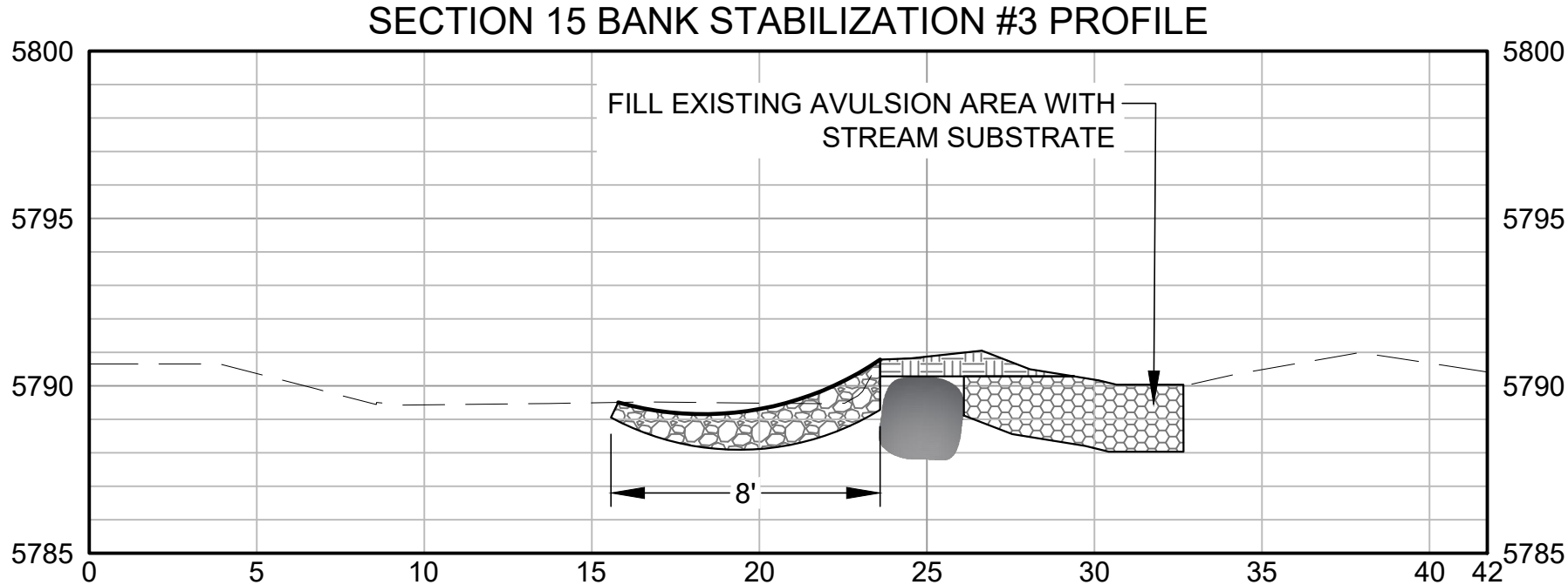
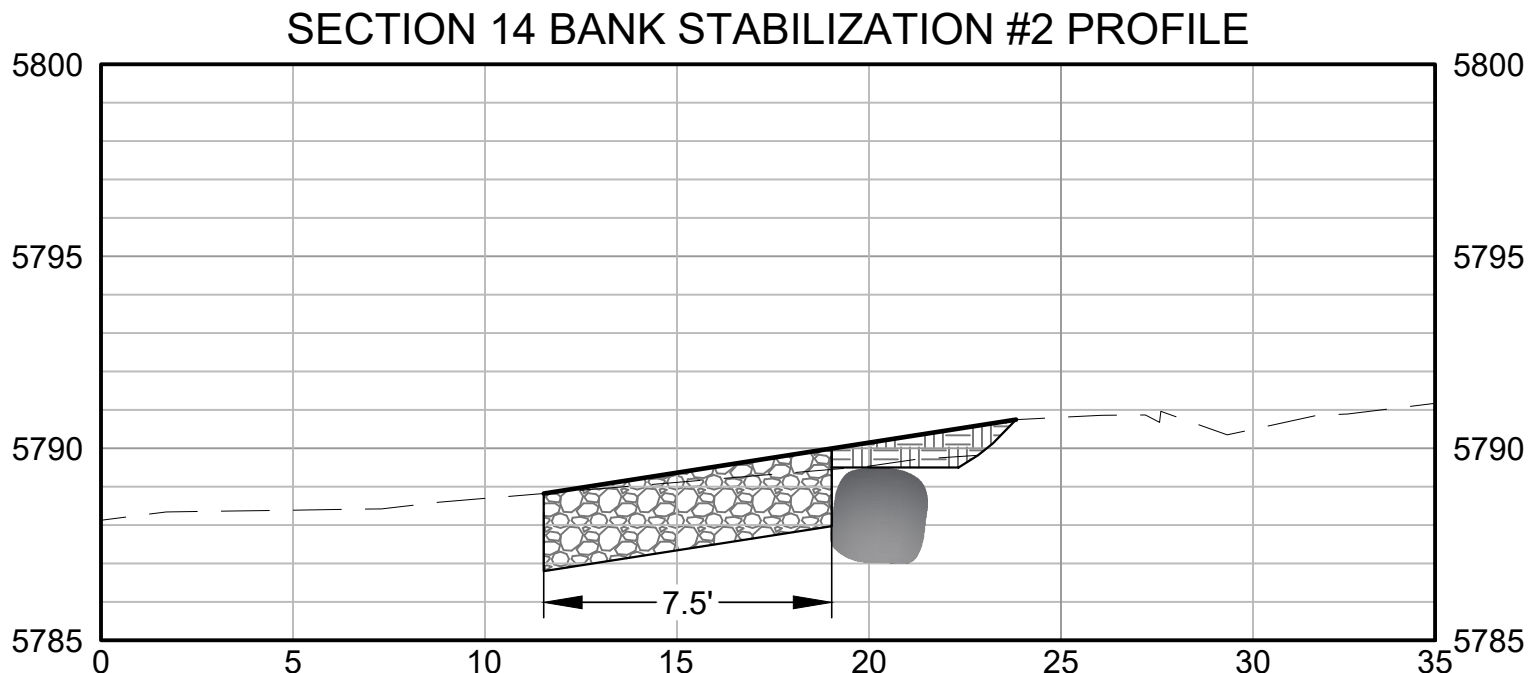
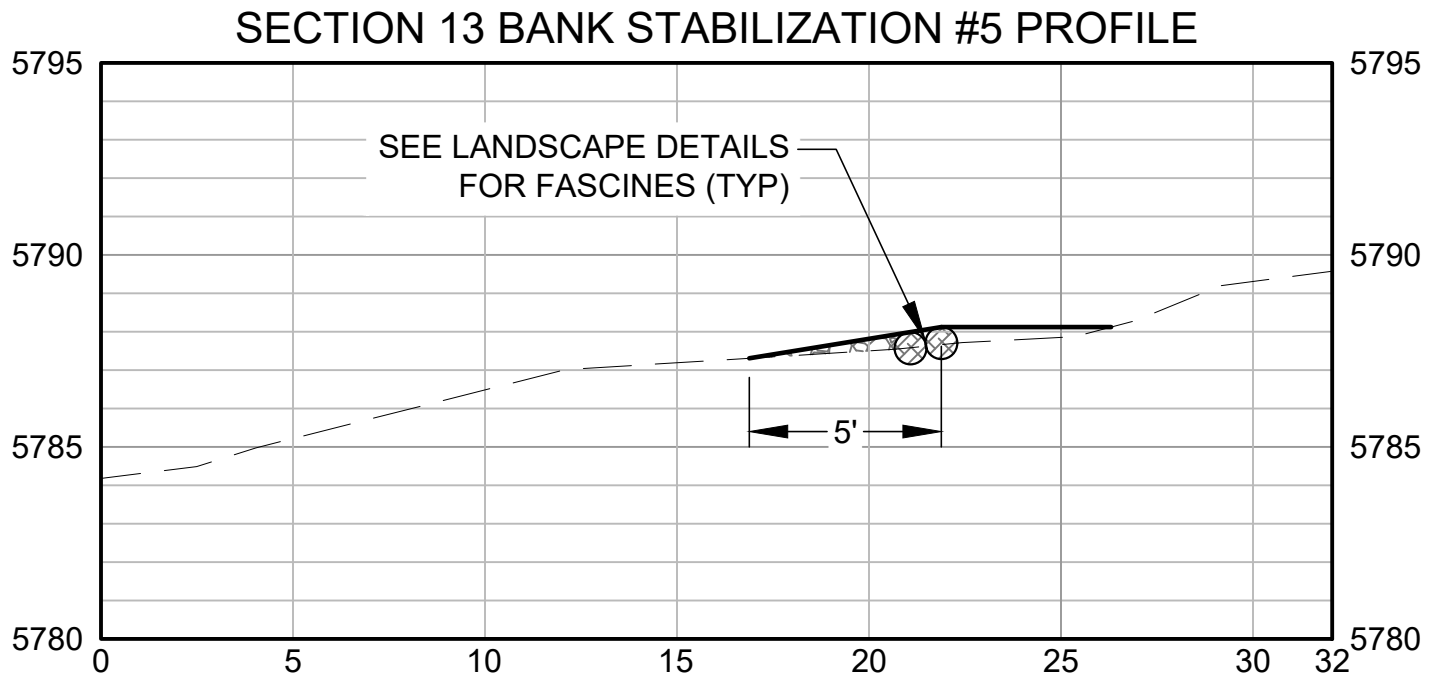
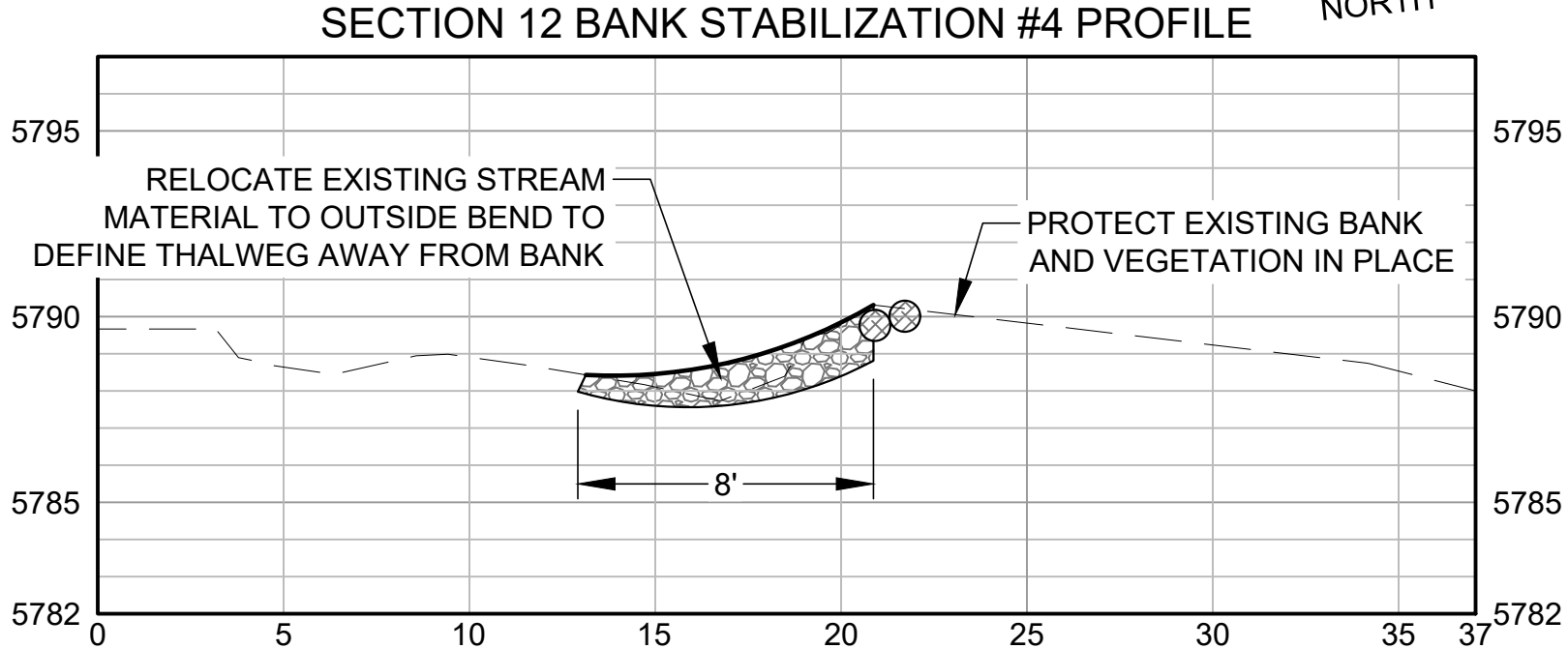
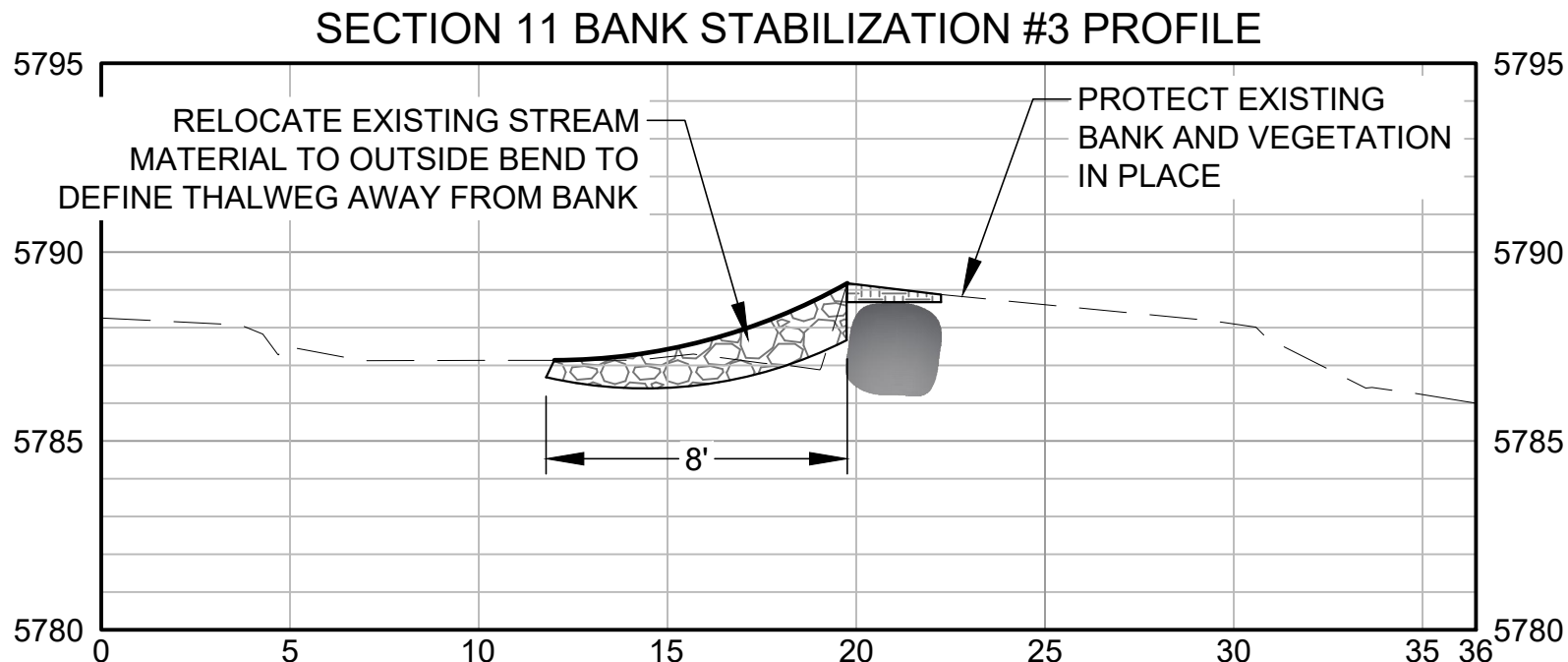
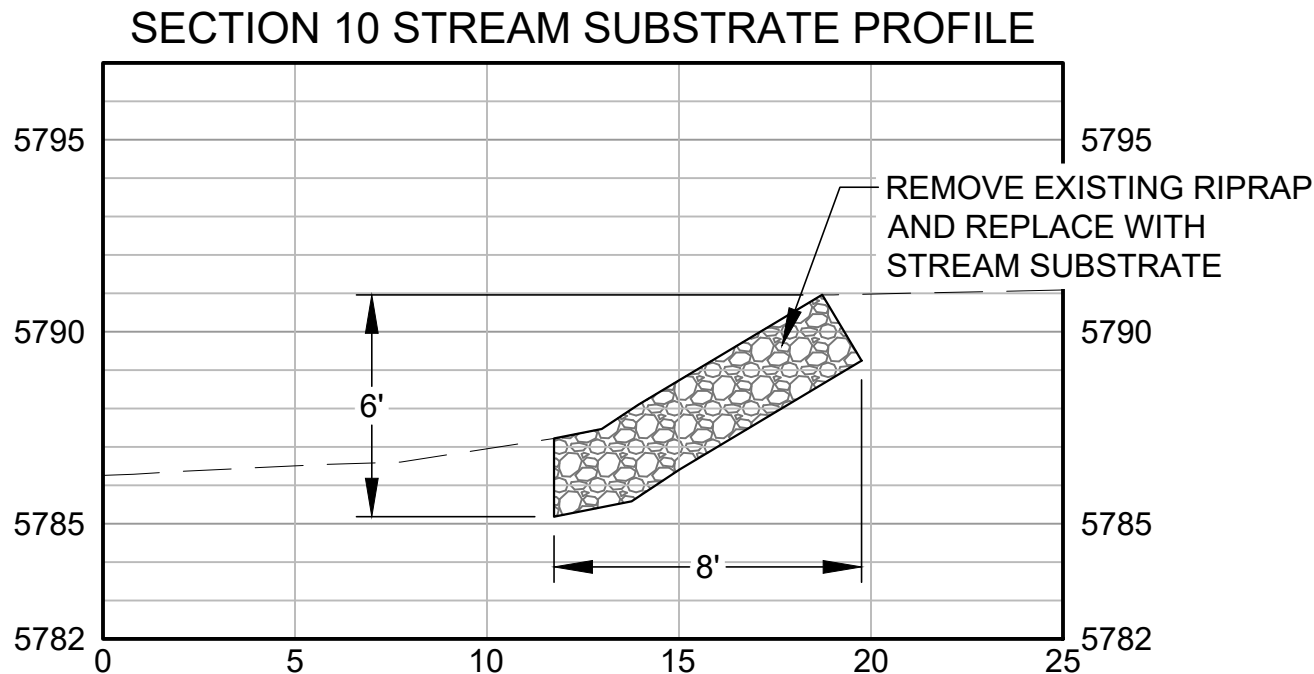
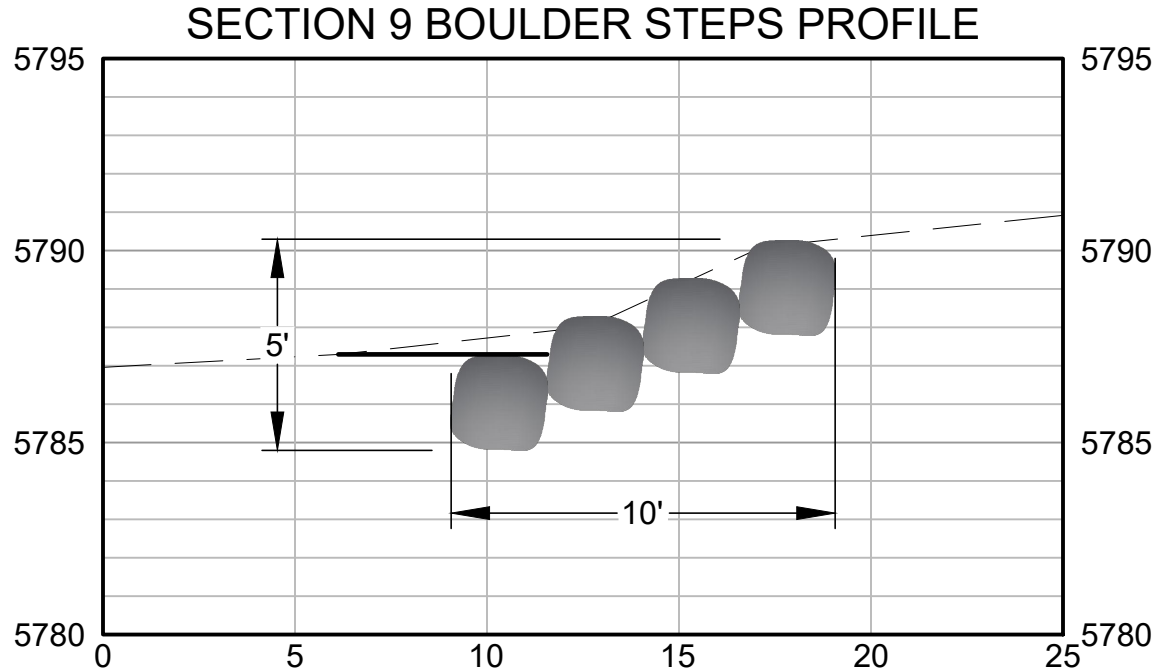
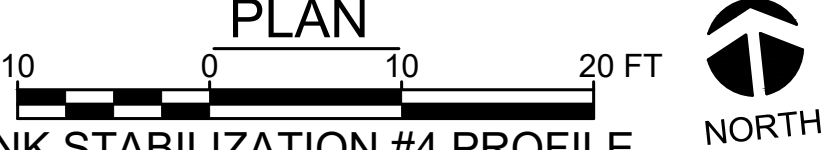
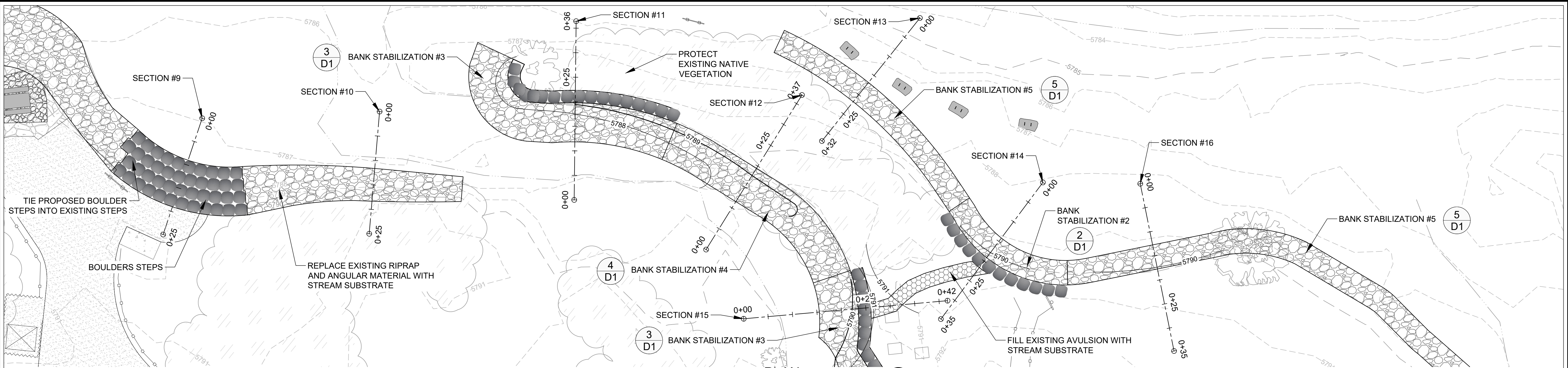
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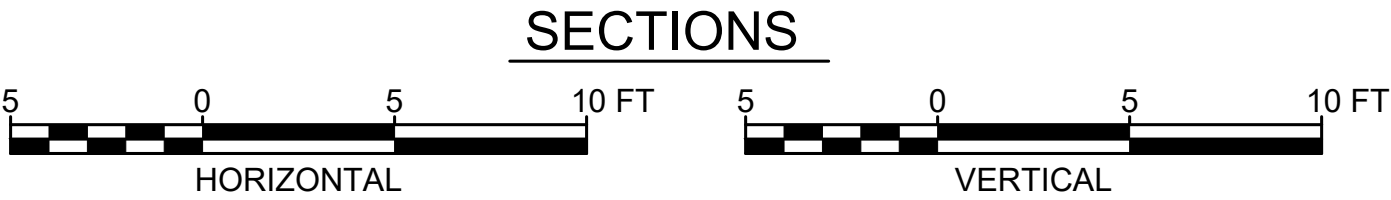
THREE MILE CREEK CONFLUENCE

ACTUAL SECTIONS

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	C10



- SECTION NOTES:
1. SEE DETAIL SHEETS FOR ROCK SIZES, SLOPES AND ADDITIONAL INFORMATION.
 2. TOP BOULDERS TO BE SET AT 6" BELOW PROPOSED GRADE. INTENT IS TO LIMIT BOULDER VISIBILITY. PROVIDE 6" OF NATIVE UPLAND SOIL ABOVE TOP OF BOULDER FOR REVEGETATION ASPECTS.
 3. STREAM SUBSTRATE SHALL HAVE A MINIMUM THICKNESS OF 2'.
 4. SOME WORK WILL REQUIRE EXCAVATION OF EXISTING GRADE TO PLACE BOULDER OR STREAM SUBSTRATE.
 5. EXCAVATED STREAM SUBSTRATE FOR PLACEMENT OF BOULDERS CAN BE REPURPOSED ON SITE WITH ENGINEERS APPROVAL.
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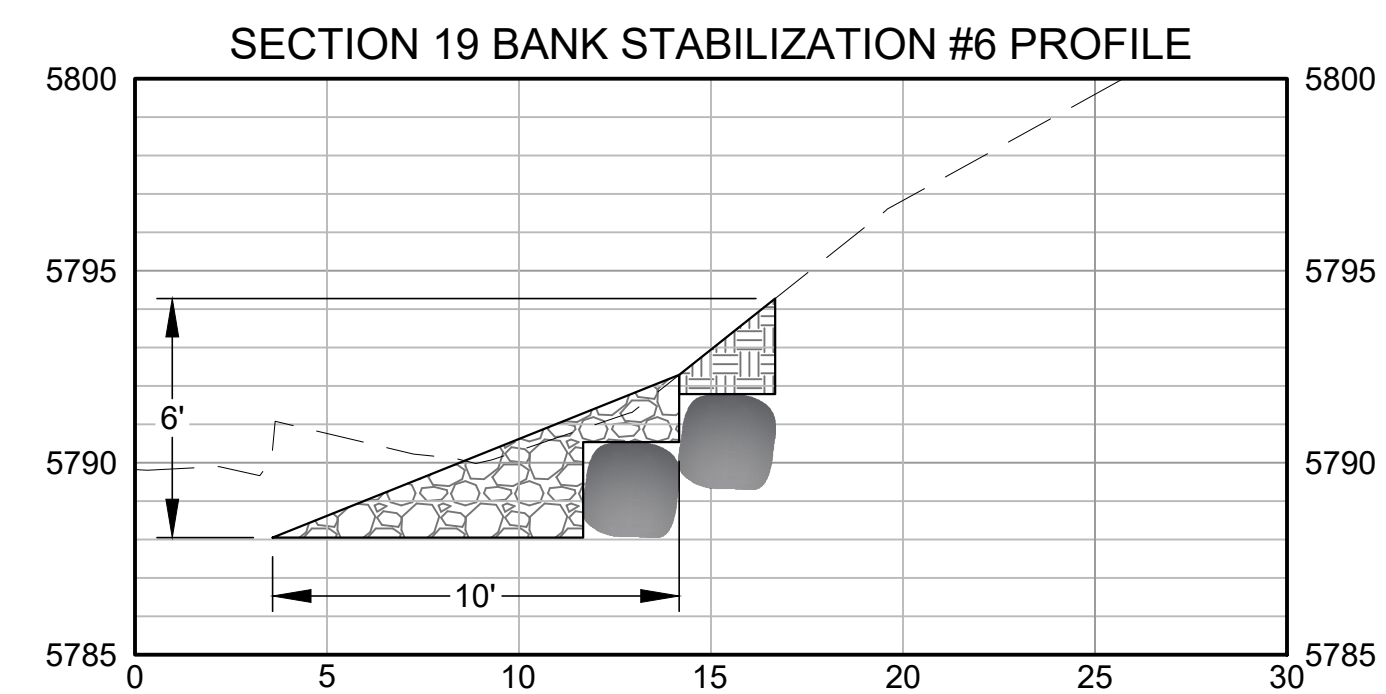
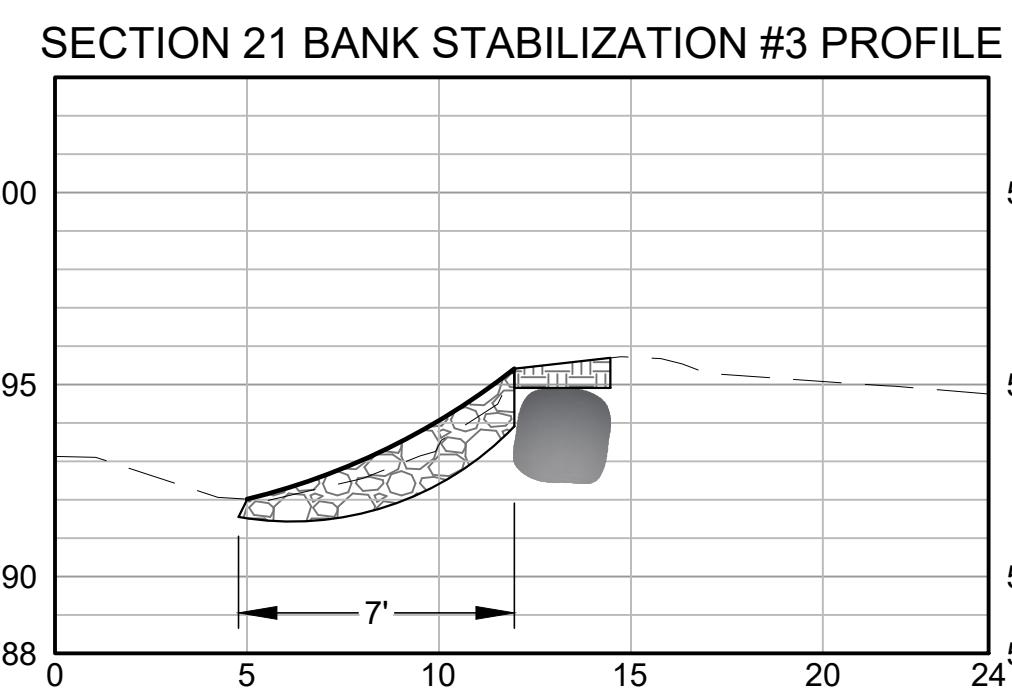
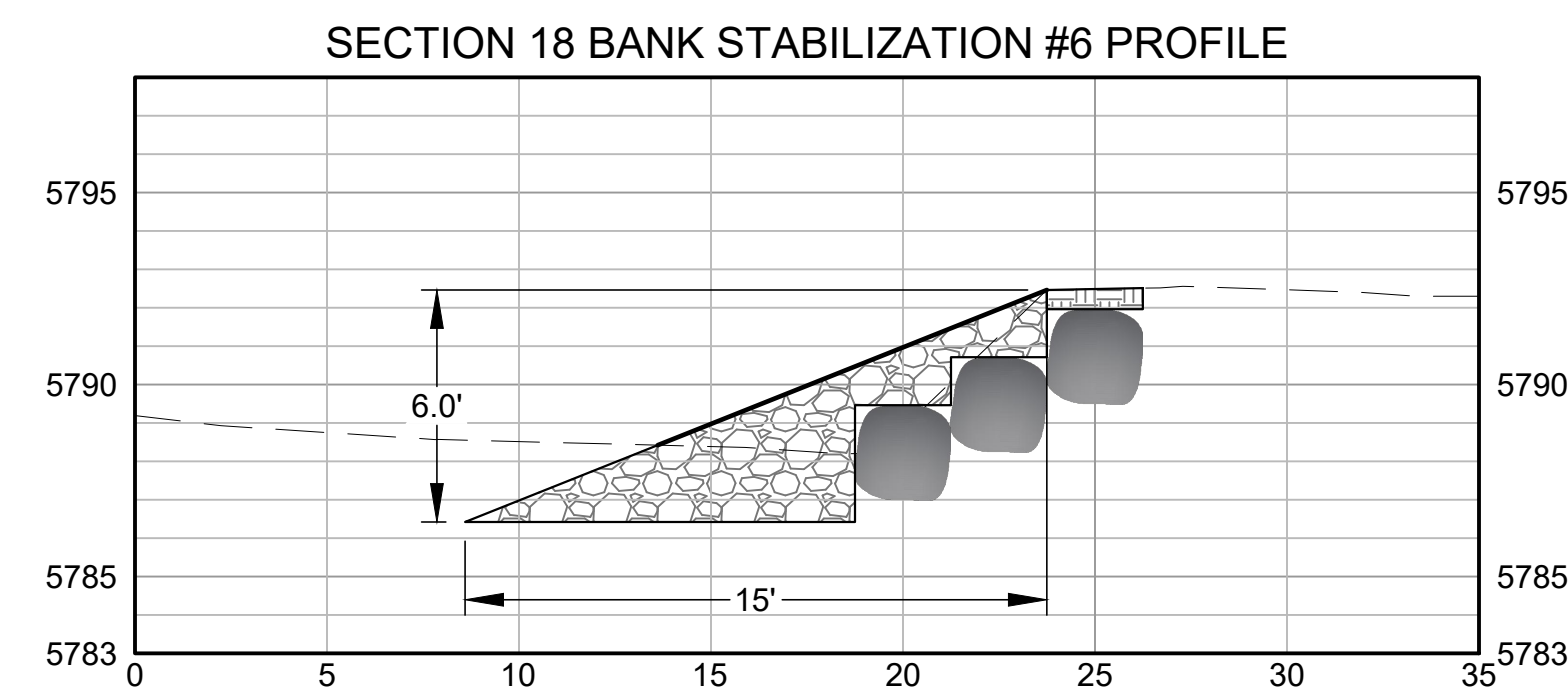
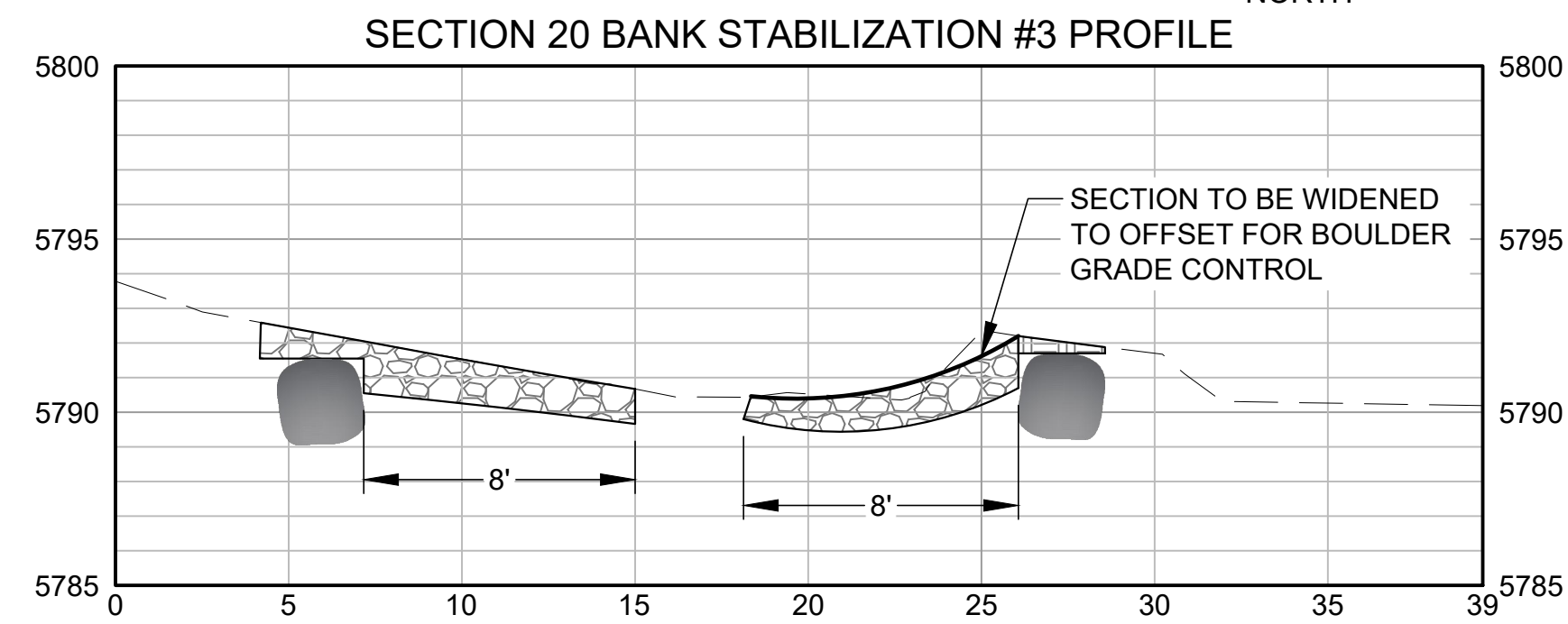
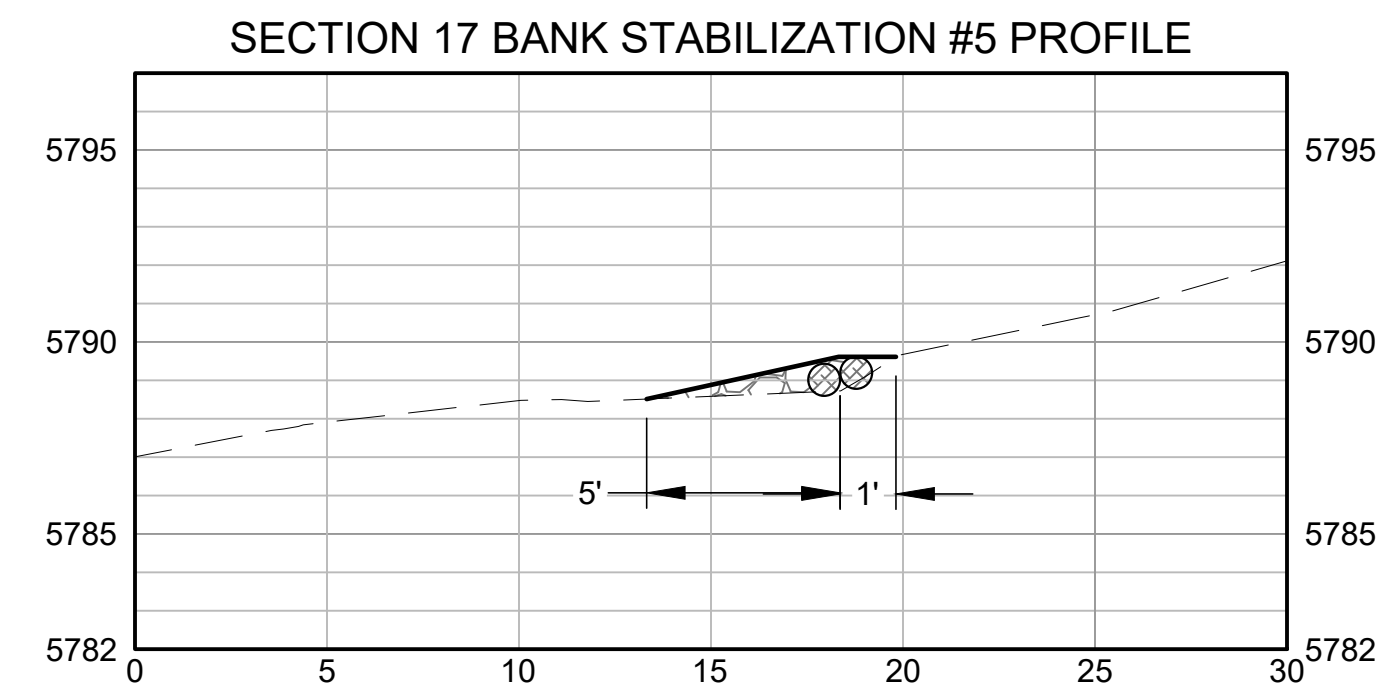
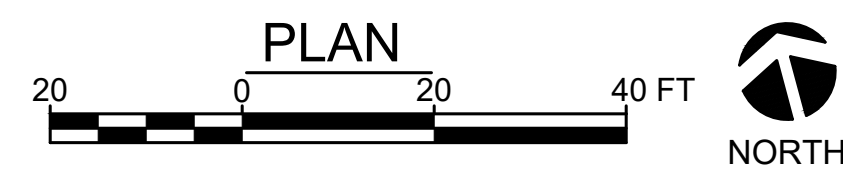
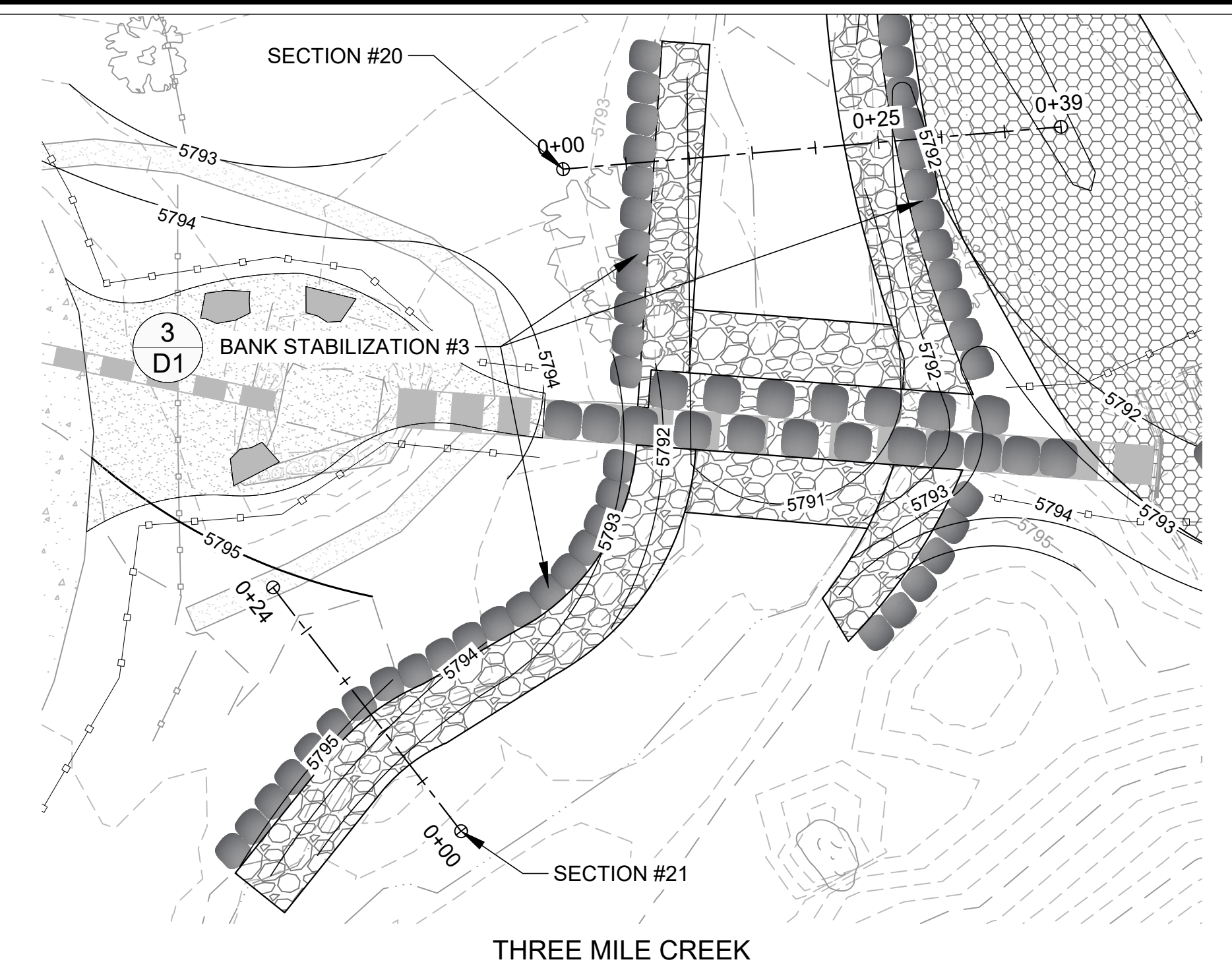
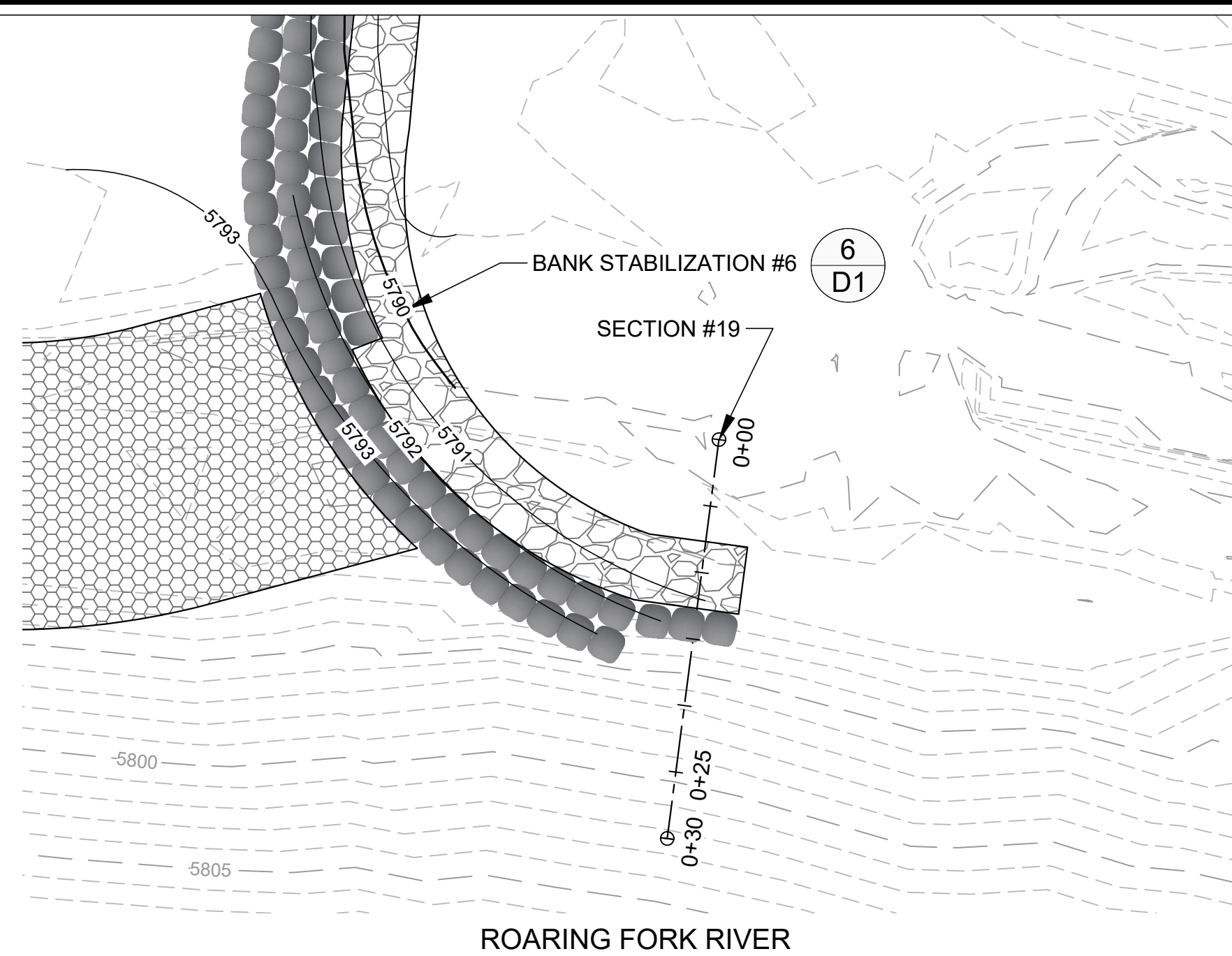
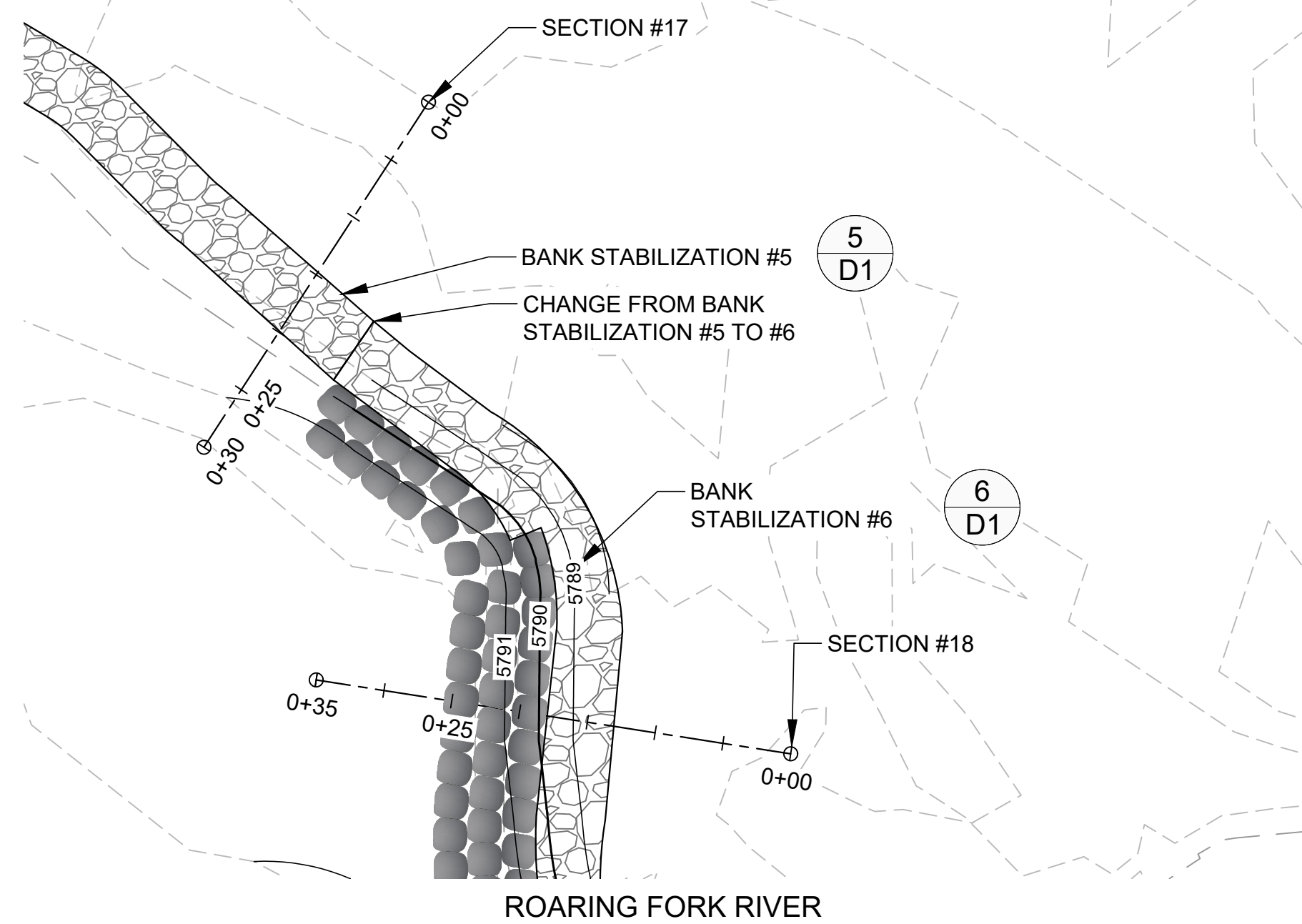
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THREE MILE CREEK CONFLUENCE

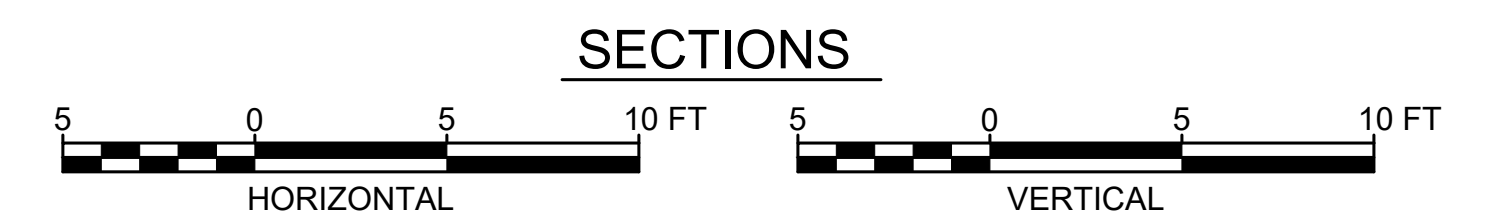
ACTUAL SECTIONS

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	C11



- SECTION NOTES:

1. SEE DETAIL SHEETS FOR ROCK SIZES, SLOPES AND ADDITIONAL INFORMATION.
2. TOP BOULDERS TO BE SET AT 6" BELOW PROPOSED GRADE. INTENT IS TO LIMIT BOULDER VISIBILITY. PROVIDE 6" OF NATIVE UPLAND SOIL ABOVE TOP OF BOULDER FOR REVEGETATION ASPECTS.
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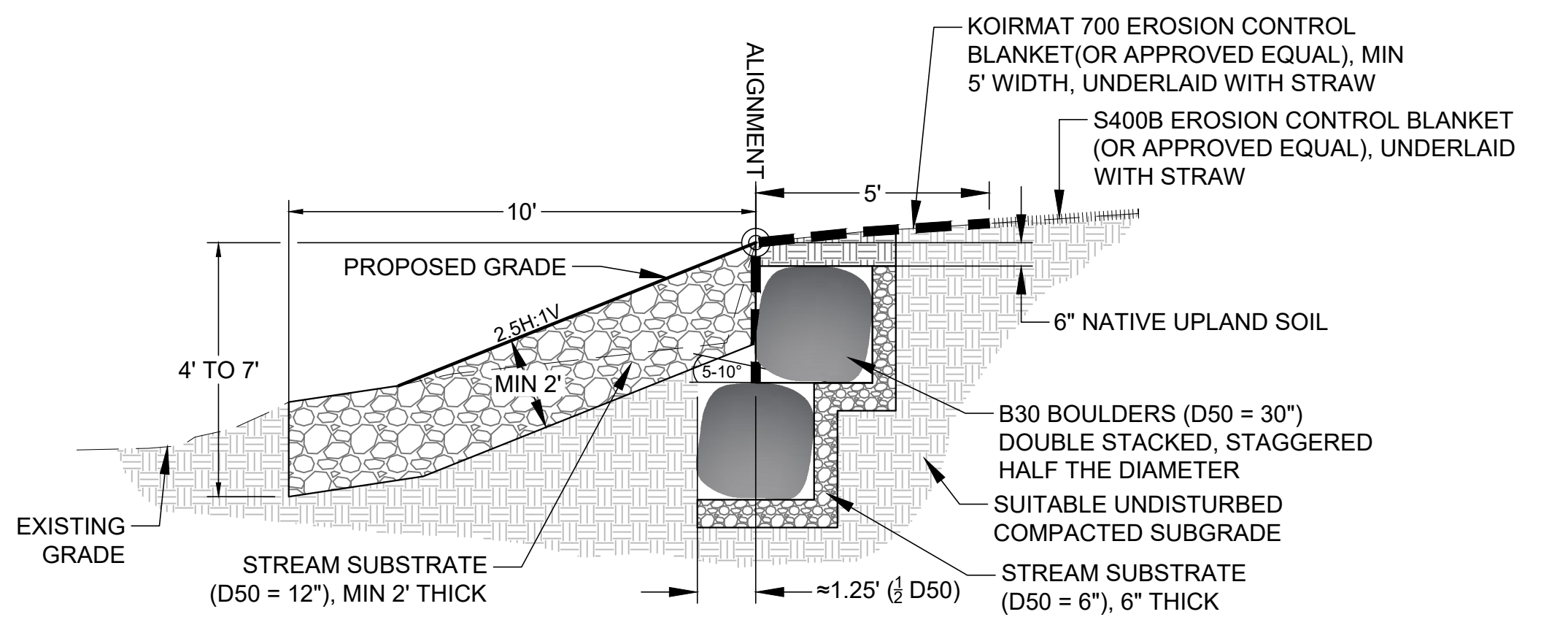
THREE MILE CREEK CONFLUENCE

ACTUAL SECTIONS

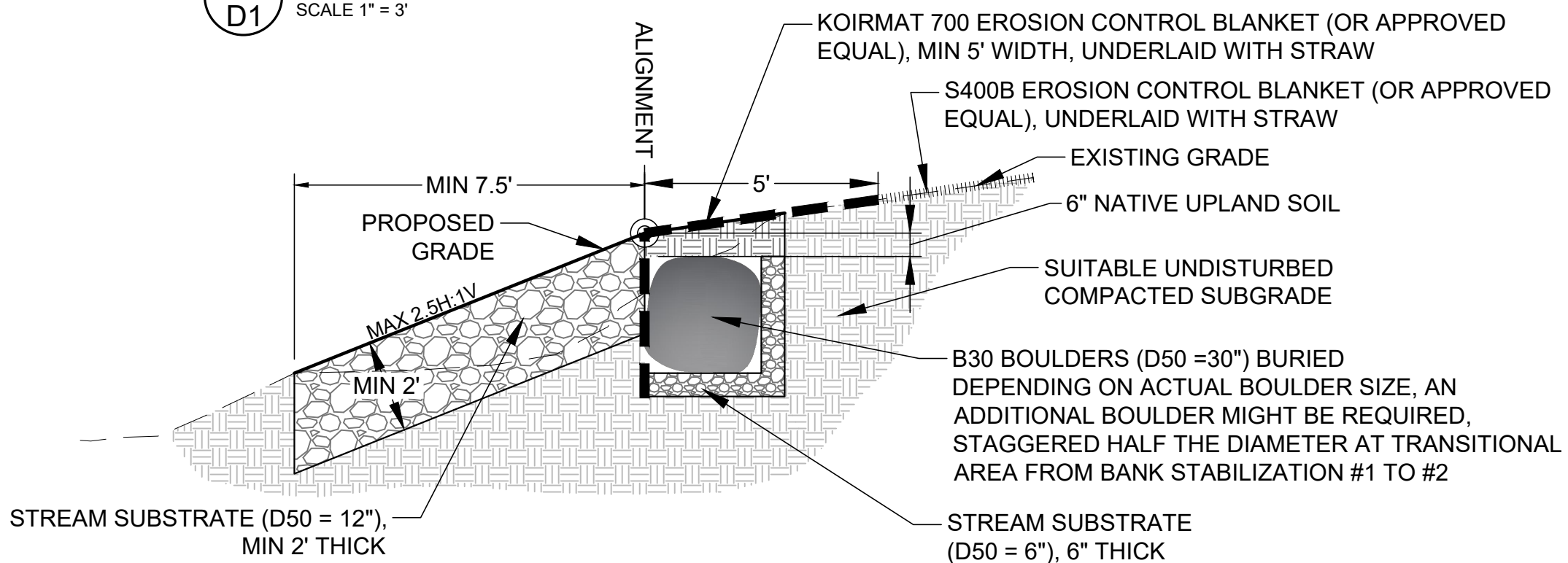
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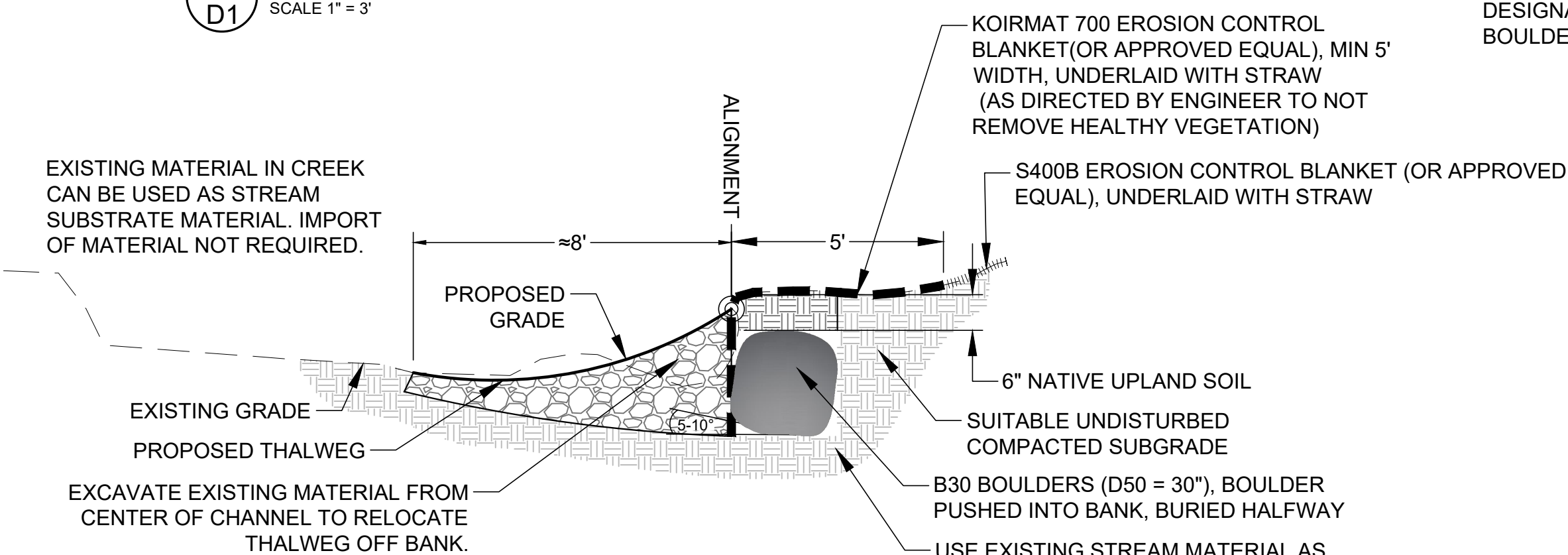
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1 BANK STABILIZATION #1 (ROARING FORK RIVER)
D1 SCALE 1" = 3'



2 BANK STABILIZATION #2 (ROARING FORK RIVER)
D1 SCALE 1" = 3'



3 BANK STABILIZATION #3 (THREE MILE CREEK)
D1 SCALE 1" = 3'

COBBLE GRADATION	PERCENTAGE OF MIXTURE	INTERMEDIATE ROCK DIMENSIONS (INCHES)
TYPE VL (D50 = 6")	20%	12
	10%	9
	45%	6
	10%	2
	15%	<1
TYPE M (D50 = 12")	15%	21
	10%	18
	30%	12
	35%	4
	10%	<1

NOTES

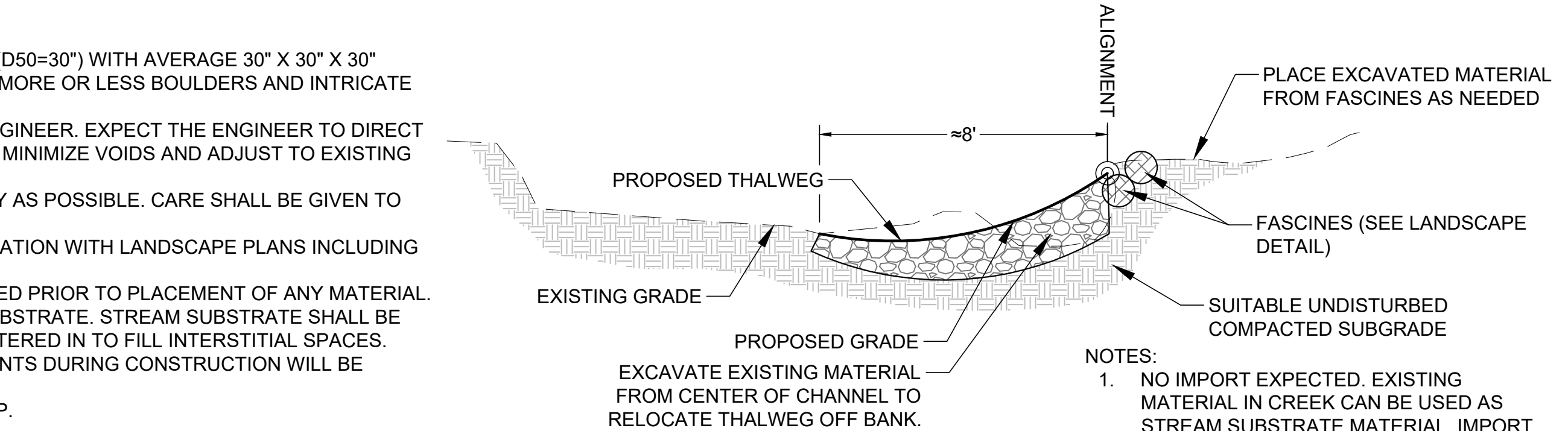
- STREAM SUBSTRATE MATERIAL SHALL BE A MIXTURE OF IMPORTED COBBLE AND NATIVE ONSITE FINES EXCAVATED FOR THE PROJECT. THE GOAL IS TO PROVIDE A MIXTURE OF COBBLE AND FINES. THIS CAN BE ACCOMPLISHED BY PLACING NATIVE ONSITE MATERIAL ON TOP OF COBBLE AND WASHING THE FINES INTO ANNULAR SPACE.
- THE INTENT OF THE COBBLE GRADATION IS TO PROVIDE A WIDE RANGE OF MATERIAL INCLUDING SMALLER COBBLES AND GRAVELS.
- COBBLE AND NATIVE ONSITE FINES MIXTURE (I.E. STREAM SUBSTRATE) SHALL FORM TIGHT INTERLOCKING SURFACE AND BE COMPACTED.
- STREAM SUBSTRATE SHALL CONSIST OF A APPROXIMATELY 10% NATIVE ONSITE FINES.
- ALL BOULDERS AND STREAM SUBSTRATE TO MIMIC EXISTING CONDITIONS. ENGINEER TO APPROVE MATERIAL BEFORE BROUGHT ON SITE.

BOULDER CLASSIFICATION	NOMINAL SIZE (INCHES)	RANGE IN SMALLEST DIMENSION OF INDIVIDUAL ROCK BOULDERS (INCHES)	MAXIMUM RATIO OF LARGEST TO SMALLEST ROCK DIMENSION OF INDIVIDUAL BOULDERS
B30	30	26 - 34	1:50
B36	36	32 - 40	1:50

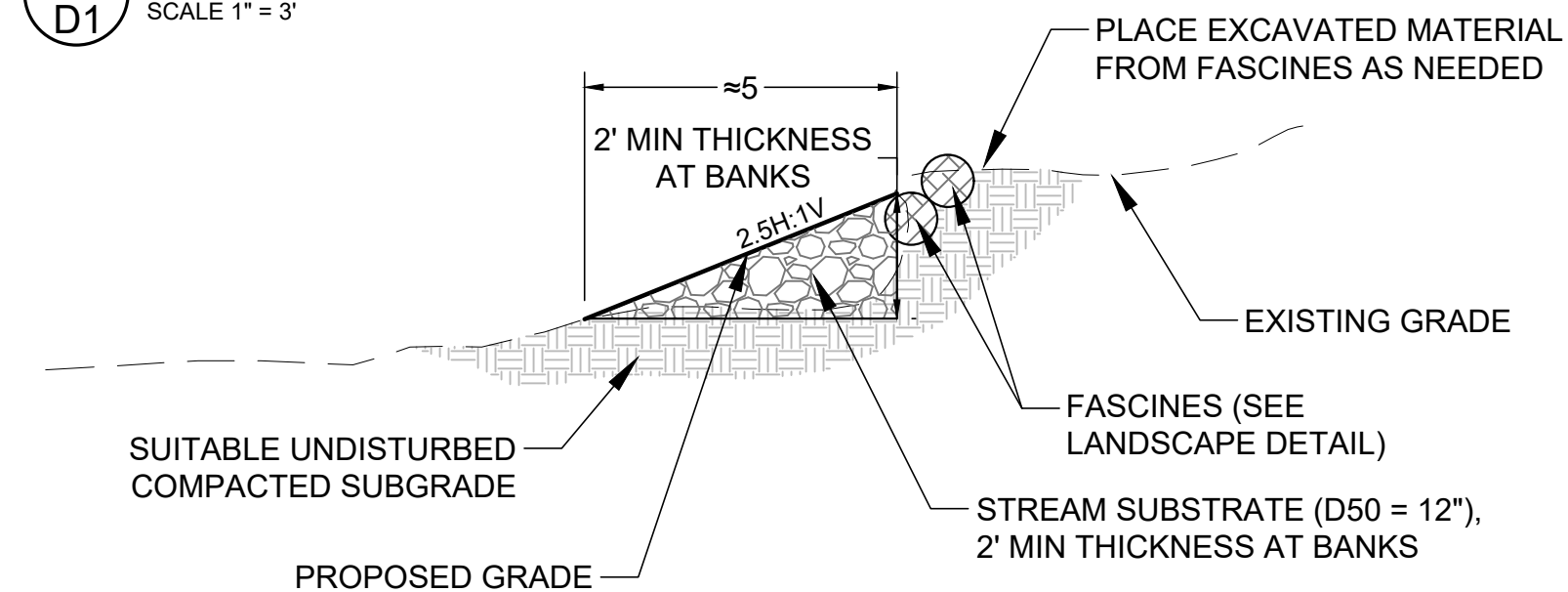
BANK STABILIZATION NOTES:

- NOTES APPLICABLE TO ALL DETAILS ON THIS SHEET.
- ALL BOULDER INFORMATION ON THIS SHEET BASED ON B30 CLASSIFICATION (D50=30") WITH AVERAGE 30" X 30" X 30" BOULDER. ACTUAL SIZE OF BOULDER BASED ON GRADATION MIGHT REQUIRE MORE OR LESS BOULDERS AND INTRICATE PLACEMENT BY CONTRACTOR.
- CONTRACTOR TO PLACE BANK STABILIZATION FEATURES IN PRESENCE OF ENGINEER. EXPECT THE ENGINEER TO DIRECT ADJUSTMENTS OF INDIVIDUAL BOULDERS AND EXCHANGES OF BOULDERS TO MINIMIZE VOIDS AND ADJUST TO EXISTING SURFACE TOPOGRAPHY.
- THE OVERALL INTENT OF THE WORK IS TO STABILIZE THE BANK AS NATURALLY AS POSSIBLE. CARE SHALL BE GIVEN TO ACHIEVE AN AESTHETIC THAT MIMICS THE EXISTING LANDFORMS.
- PLACEMENT OF STREAM SUBSTRATE AND BOULDERS SHOULD BE IN COORDINATION WITH LANDSCAPE PLANS INCLUDING THE USE OF ANY EROSION CONTROL BLANKETS.
- EXISTING GRADE AND SURFACES SHALL BE CLEARED, GRUBBED AND SCARIFIED PRIOR TO PLACEMENT OF ANY MATERIAL.
- INTERSTITIAL SPACE BETWEEN BOULDERS SHALL BE FILLED WITH STREAM SUBSTRATE. STREAM SUBSTRATE SHALL BE PLACED IN LIFTS TO REDUCE VOID SPACE. STREAM SUBSTRATE SHALL BE WATERED IN TO FILL INTERSTITIAL SPACES.
- DIMENSIONS SHOWN ON THIS PLAN ARE FOR GENERAL GUIDANCE. ADJUSTMENTS DURING CONSTRUCTION WILL BE REQUIRED TO ENSURE THE PROPER INSTALLATION OF FEATURES.
- STACKED BOULDERS SHALL BE PLACED WITH THE FLATTEST SURFACE ON TOP.
- ALL FOOTER (BOTTOM) BOULDERS SHALL BE BURIED AT LEAST HALF WAY.
- FOR BOULDERS BEING USED AS BANK STABILIZATION THEY SHALL BE BARELY VISIBLE ONCE FEATURE IS COMPLETE BY COVERING WITH STREAM SUBSTRATE. BOULDERS FOR BOULDER STEPS WILL BE EXPOSED.
- KOIRMAT 700 (OR APPROVED EQUAL) EROSION CONTROL BLANKET SHALL BE WRAPPED AROUND FRONT FACE OF BOULDER TO BE ANCHORED BETWEEN STREAM SUBSTRATE AND BOULDER. KOIRMAT 700 SHALL BE EXTENDED A MINIMUM OF 5' ONTO THE BANK. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION. INSTALL EROSION CONTROL BLANKET PER MANUFACTURERS SPECIFICATIONS. KOIRMAT 700 TO BE TRENCHED A MINIMUM OF 2 FEET INTO PROPOSED STREAM SUBSTRATE ON FRONT FACE OF BOULDER.
- AREA NOT BEING COVERED WITH KOIRMAT 700 SHALL BE COVERED WITH S400B OR APPROVED EQUAL FOR ALL DISTURBED AREAS.
- ALL EROSION CONTROL BLANKETS TO BE STAKED WITH BIODEGRADABLE STAKES THAT ARE FLUSH TO THE SURFACE TO NOT CAUSE A TRIPPING HAZARD.
- ALL STREAM SUBSTRATE SHALL BE BURIED A MINIMUM OF 2' INTO EXISTING GRADE AT TOE OF SLOPES INTO THREE MILE CREEK OR THE ROARING FORK RIVER.
- NO SLOPE SHALL BE STEEPER THAN 2.5H:1V.
- SEE BOULDER AND STREAM SUBSTRATE GRADATION TABLE FOR RANGE OF SIZES APPLICABLE.
- PROPOSED STREAM SUBSTRATE CAN BE SUPPLEMENTED WITH EXISTING ONSITE MATERIAL APPROVED BY ENGINEER.
- STREAM SUBSTRATE CAN BE USED AS BEDDING AND BACKFILL TO HELP SET AND ADJUST BOULDERS.
- COLOR AND SHAPE OF IMPORTED BOULDERS AND STREAM SUBSTRATE SHALL MATCH EXISTING BED AND BANK MATERIAL. SAMPLE OF STREAM SUBSTRATE TO BE APPROVED BY ENGINEER BEFORE BRINGING TO SITE.
- ENGINEERED DETAILS SHOWN FOR INTENT OF BANK STABILIZATION. CONSTRUCTION OF STABILIZATION MEASURES TO MIMIC NATURAL BANK CONDITIONS AND AESTHETICS. SEE EXAMPLE PHOTOGRAPH ON THIS SHEET.
- BACK FILL ALL VOIDS WITH STREAM SUBSTRATE AND WATER IN.
- UNLESS OTHERWISE SPECIFIED, THE BOULDERS ASSOCIATED WITH BANK STABILIZATION SHALL BE BURIED BENEATH NATIVE UPLAND SOIL WITH MINIMUM THICKNESS OF 6". INTENT IS TO NOT SEE BOULDERS AND PROVIDE SOIL FOR REVEGETATION.
- INTEGRATE STAKE PLANTING DURING ROCK PLACEMENT TO ENSURE THAT THE LOWER 12-INCHES OF EACH STAKE IS IN CONTACT WITH MEAN ANNUAL MINIMUM GROUNDWATER LEVEL. WOODY PLANT MATERIAL THAT IS TO BE INSTALLED WITHIN DESIGNATED BANK STABILIZATION AREAS, WILL BE INSTALLED AT TWO WILLOWS PER LINEAR FOOT AT THE SAME TIME AS BOULDER PLACEMENT. SEE LANDSCAPE PLANS FOR MORE INFORMATION.

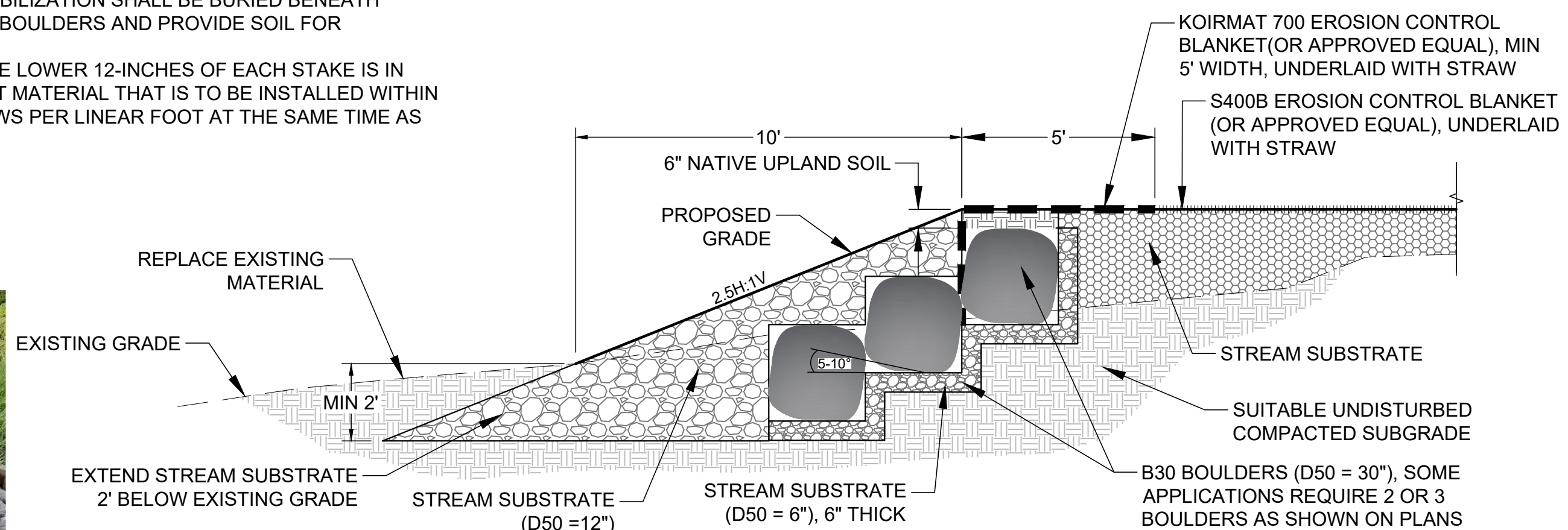
EXAMPLE OF NATURAL BANK STABILIZATION WITH REVEGETATION



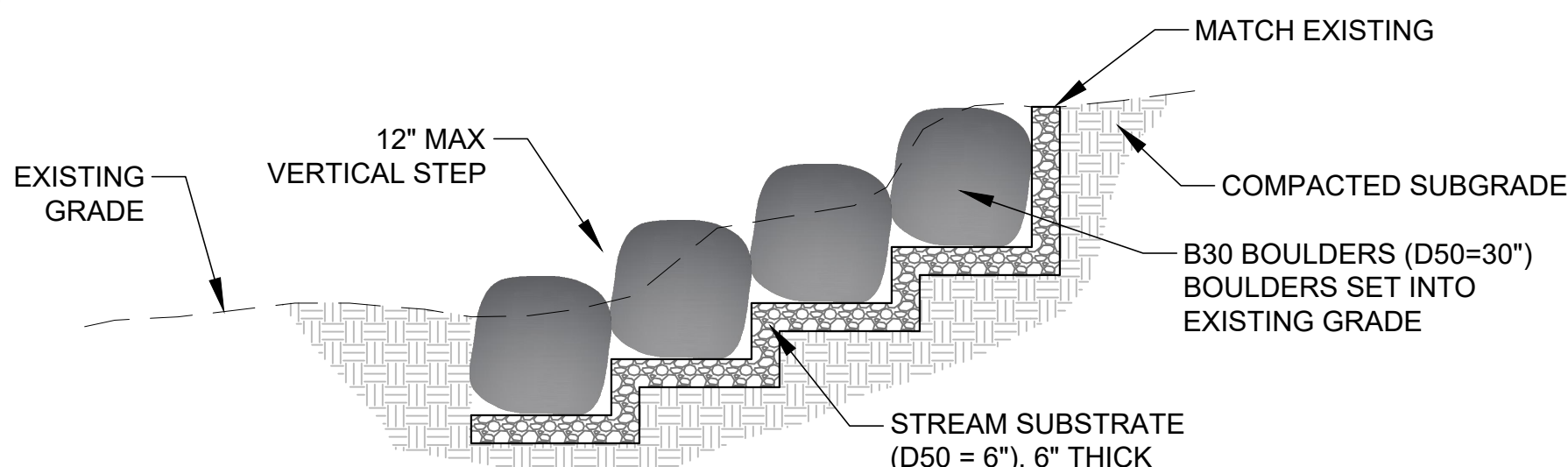
4 BANK STABILIZATION #4 (THREE MILE CREEK)
D1 SCALE 1" = 3'



5 BANK STABILIZATION #5 (ROARING FORK RIVER)
D1 SCALE 1" = 3'



6 BANK STABILIZATION #6 (ROARING FORK RIVER)
D1 SCALE 1" = 3'



7 BOULDER STEPS
D1 SCALE 1" = 3'

BOULDER STEP NOTES:

- TIE PROPOSED STEPS INTO EXISTING STEPS WITH SMOOTH TRANSITION. BOULDER STEPS TO MIMIC EXISTING BOULDER STEPS AND MIGHT BE DIFFERENT THAN BOULDERS PLACED ELSEWHERE.
- STREAM SUBSTRATE MATERIAL TO BE PLACED WITH BOULDERS AT OUTFALL FROM ATKINSON DITCH TO PROVIDE SMOOTH TRANSITION TO FLARED END SECTION.
- CHINK BETWEEN BOULDERS WITH STREAM SUBSTRATE.



WRIGHT WATER ENGINEERS, INC.
818 COLORADO AVE. P.O. BOX 219
GLENWOOD SPRINGS, CO 81602
(970)945-7755 FAX(970)945-9210

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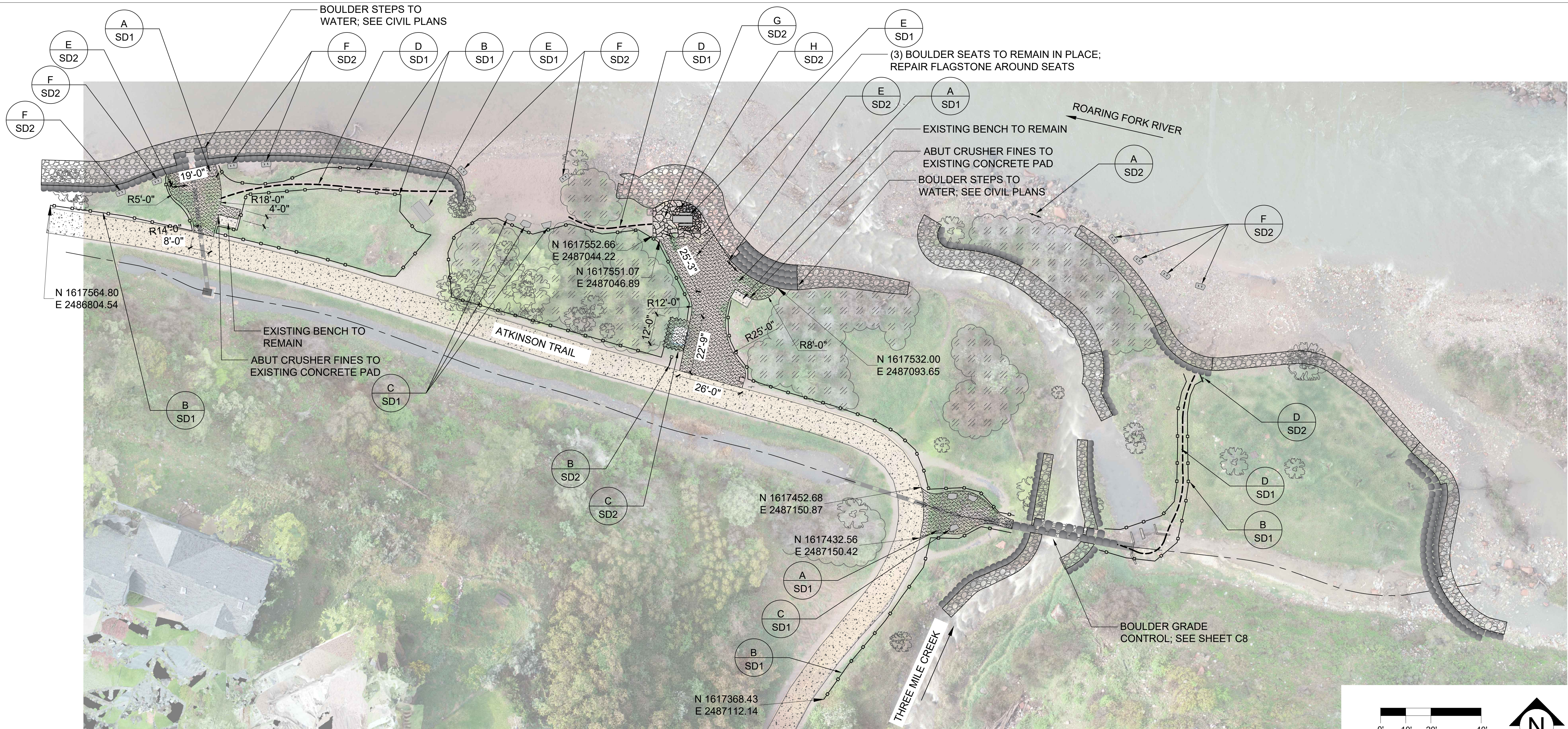
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DETAIL	SDS	01/20/23
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THREE MILE CREEK CONFLUENCE

DETAILS

JOB NO. 191-025.000
REVISION NO. ----
SHEET NO. D1

Plot Date/Time: 01/06/2023, 09:19:37 PM; E:\CHINOOK\LAND ARCH\DROPBOX\ON ALT\SHOULD\THREE MILE CREEK\100% DESIGN PLANS\CHINOOK\PLANS\22\222 CHINOOK SITE LAYOUT PLANS.DWG-S1 - SITE LAYOUT PLANS



LEGEND

- CRUSHER FINES; DETAIL A SHEET SD1
- FLAGSTONE; DETAIL G SHEET SD2
- FLAGSTONE RESET/REPAIR; DETAIL H SHEET SD2
- FOOT TRAIL; DETAIL D SHEET SD1
- SPLIT RAIL FENCE; DETAIL B SHEET SD1
- RESTROOM ENCLOSURE; DETAIL C SHEET SD2
- BOULDER SEAT; DETAIL C SHEET SD1
- BOULDER BOAT TIE OFF; DETAIL F SHEET SD2
- PICNIC TABLE; DETAIL E SHEET SD1

SITE LAYOUT NOTES

- ALL LAYOUT FEATURES, INCLUDING SIGNS, PAVING/GATHERING AREAS, AND FENCING SHALL BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- IF DIFFERENCES ARE OBSERVED BETWEEN THESE PLANS AND EXISTING CONDITIONS, LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO PROCEED WITH INSTALLATION OF ANY AFFECTED ITEMS/FEATURES.
- ALL NORTHING/EASTING COORDINATES ARE BASED UPON 2020 SITE CONDITIONS; SITE FEATURES MUST BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- BOULDER BOAT TIE OFF LOCATIONS MUST BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT AND CITY REPRESENTATIVE PRIOR TO INSTALLATION. WESTERN BOAT TIE-OFFS (NEAR SMALLER PLAZA) SHALL BE INTEGRATED WITH BANK STABILIZATION BOULDERS.
- 8' PICNIC TABLE SHALL BE INSTALLED AT BEACH/WESTERN SYMBOL LOCATION. ADA ACCESSIBLE PICNIC TABLE SHALL BE INSTALLED AT MAIN PLAZA/EASTERN SYMBOL LOCATION.



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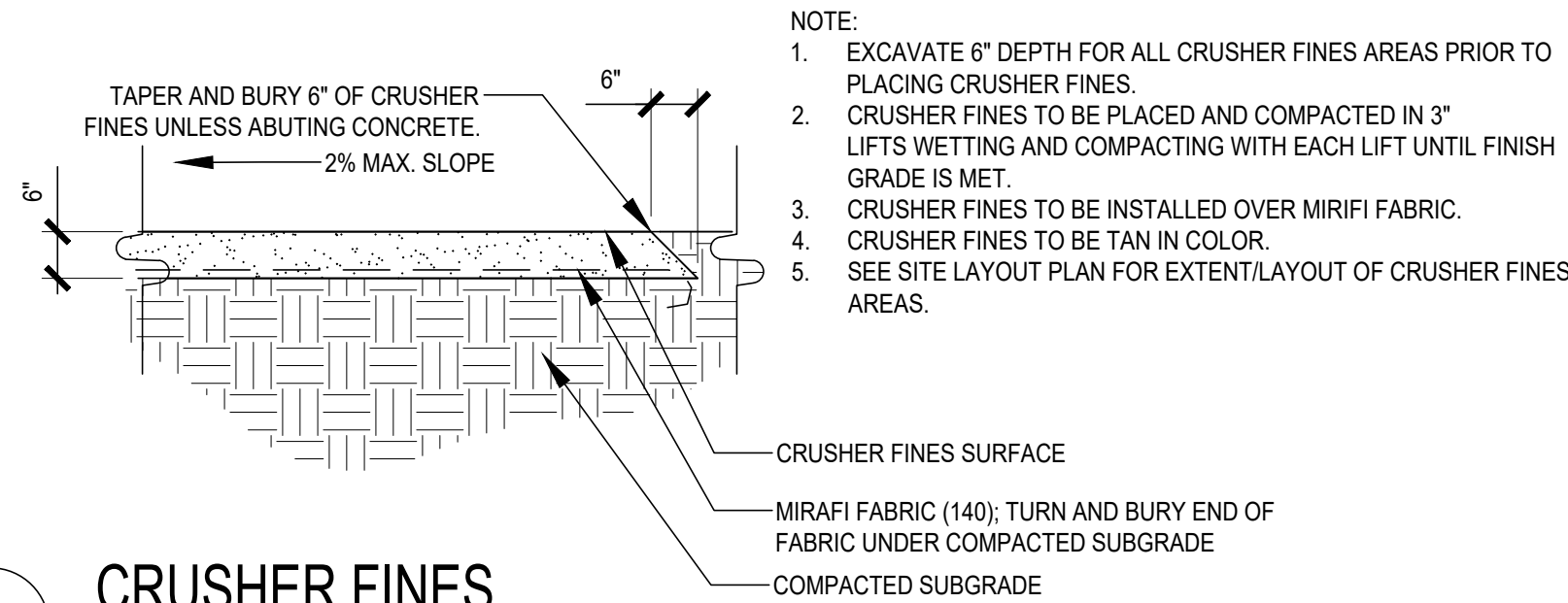
THREE MILE CONFLUENCE

SITE LAYOUT PLANS

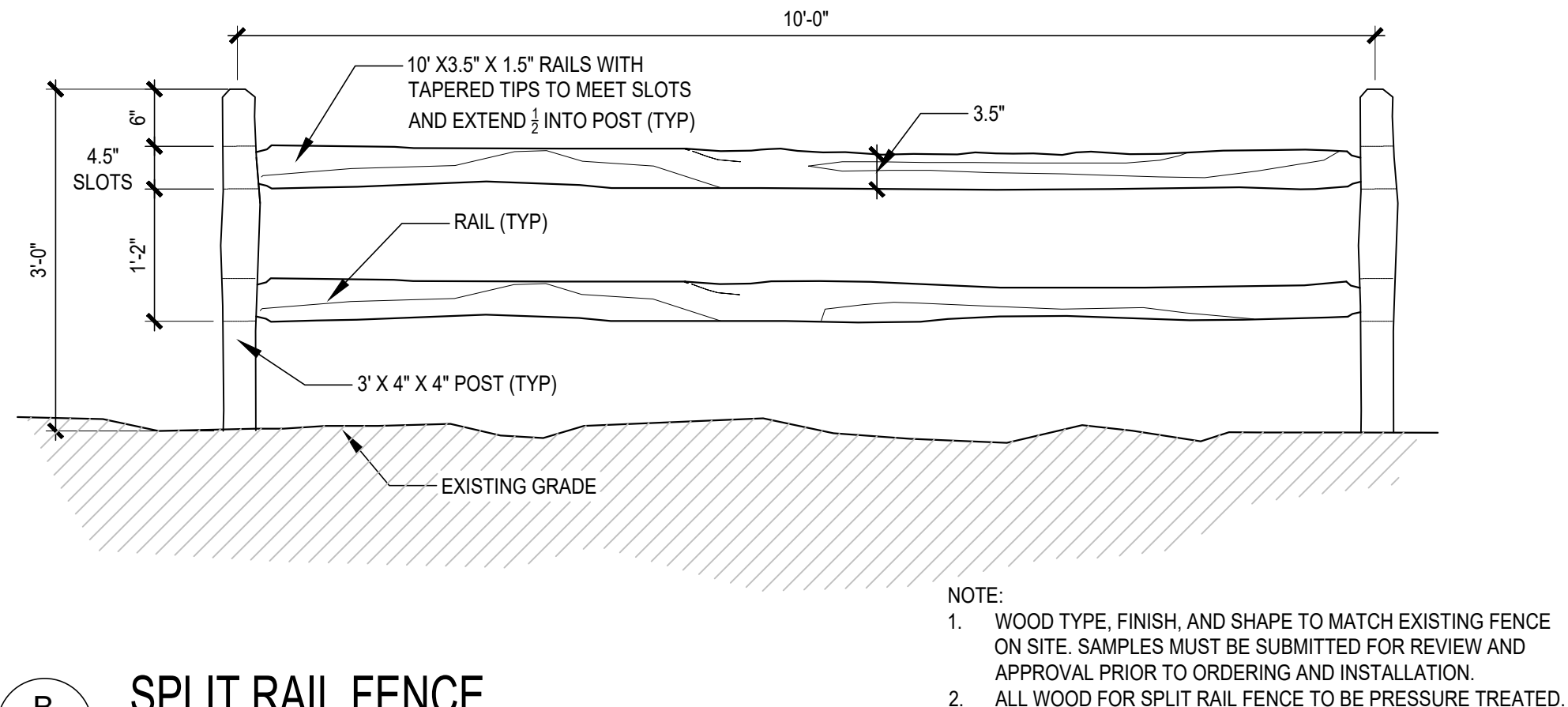
CALL COLORADO
811
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CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	S1

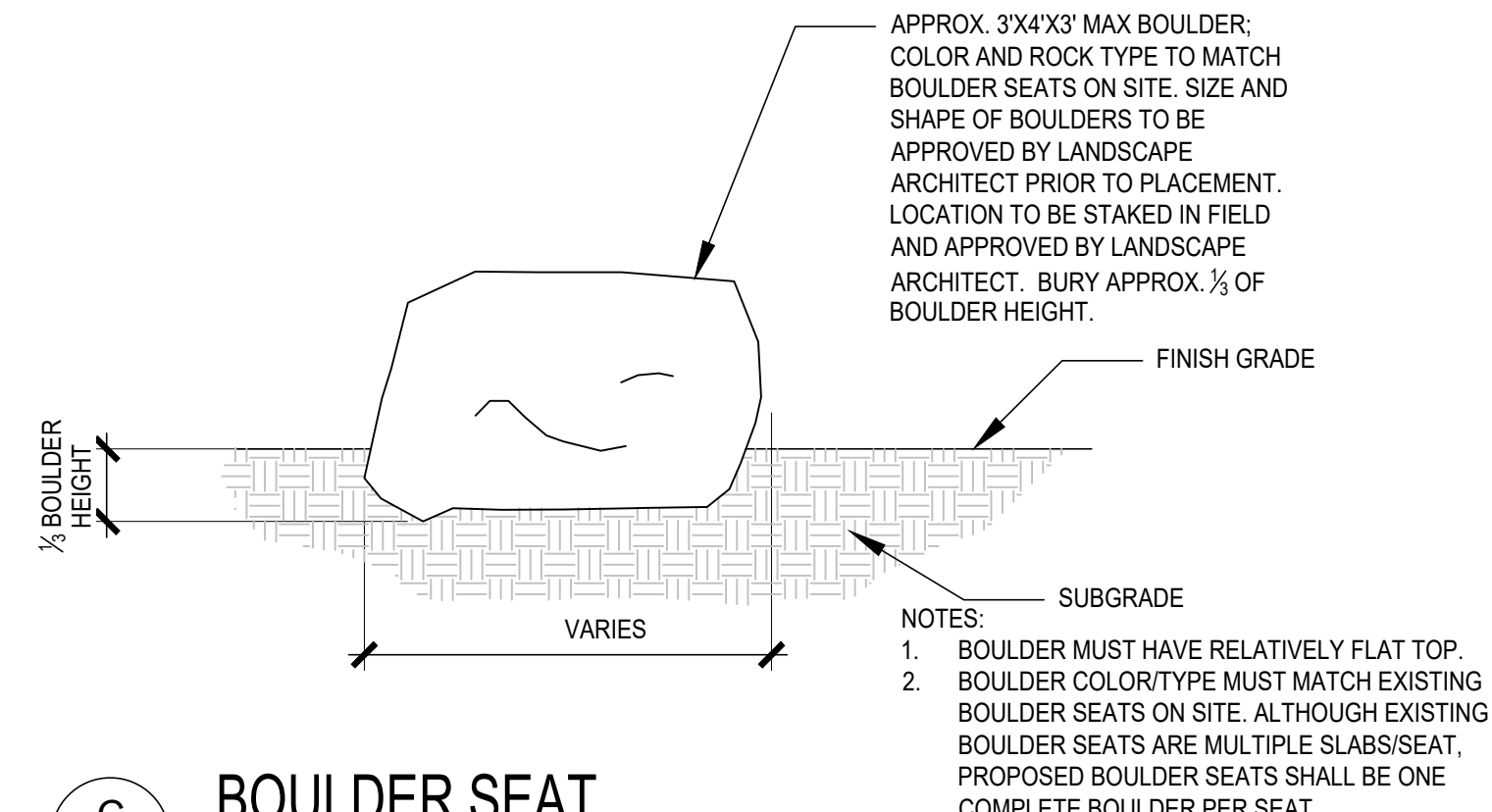
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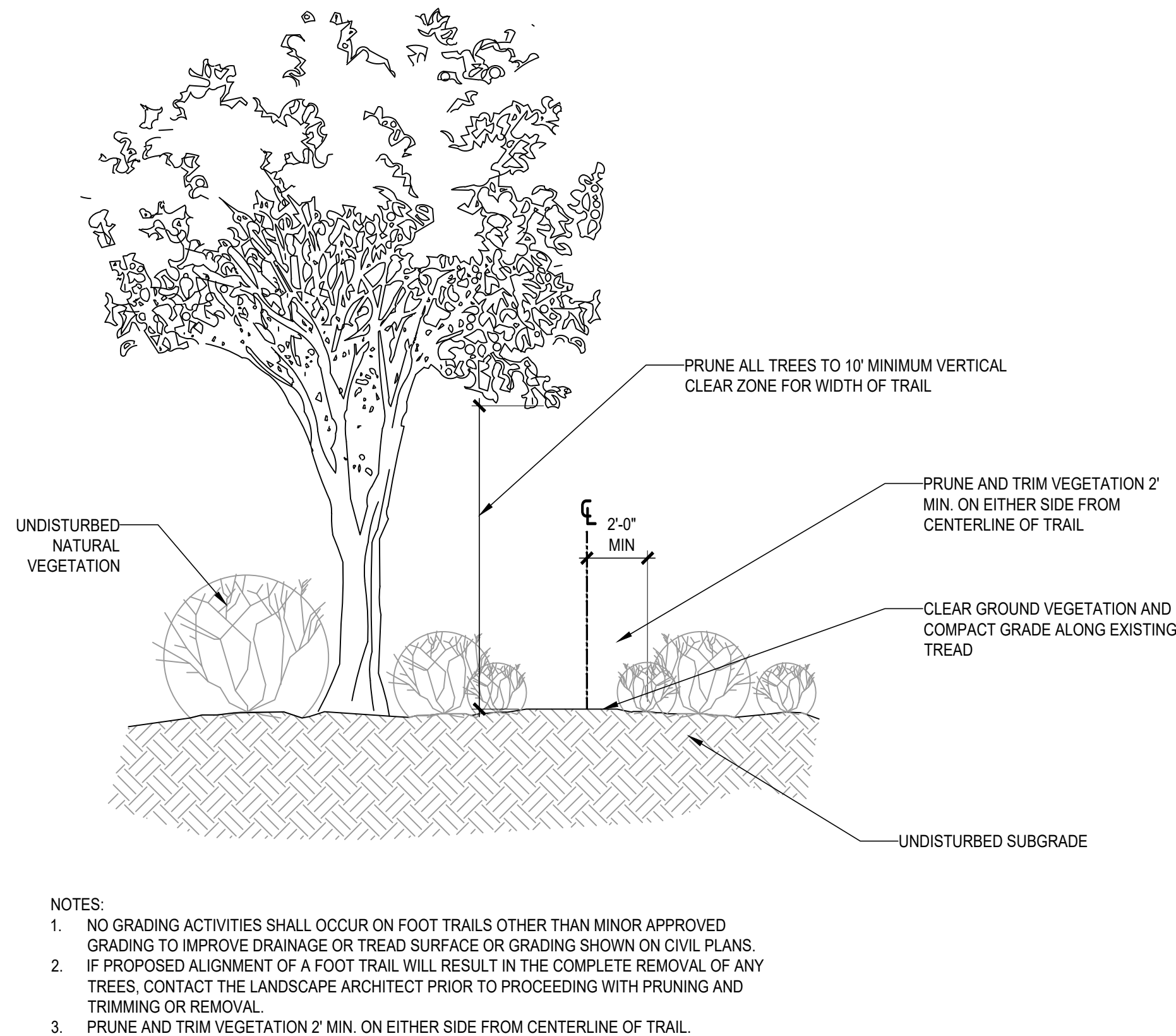
A
SD1
CRUSHER FINES
SCALE: 1/2"=1'-0"



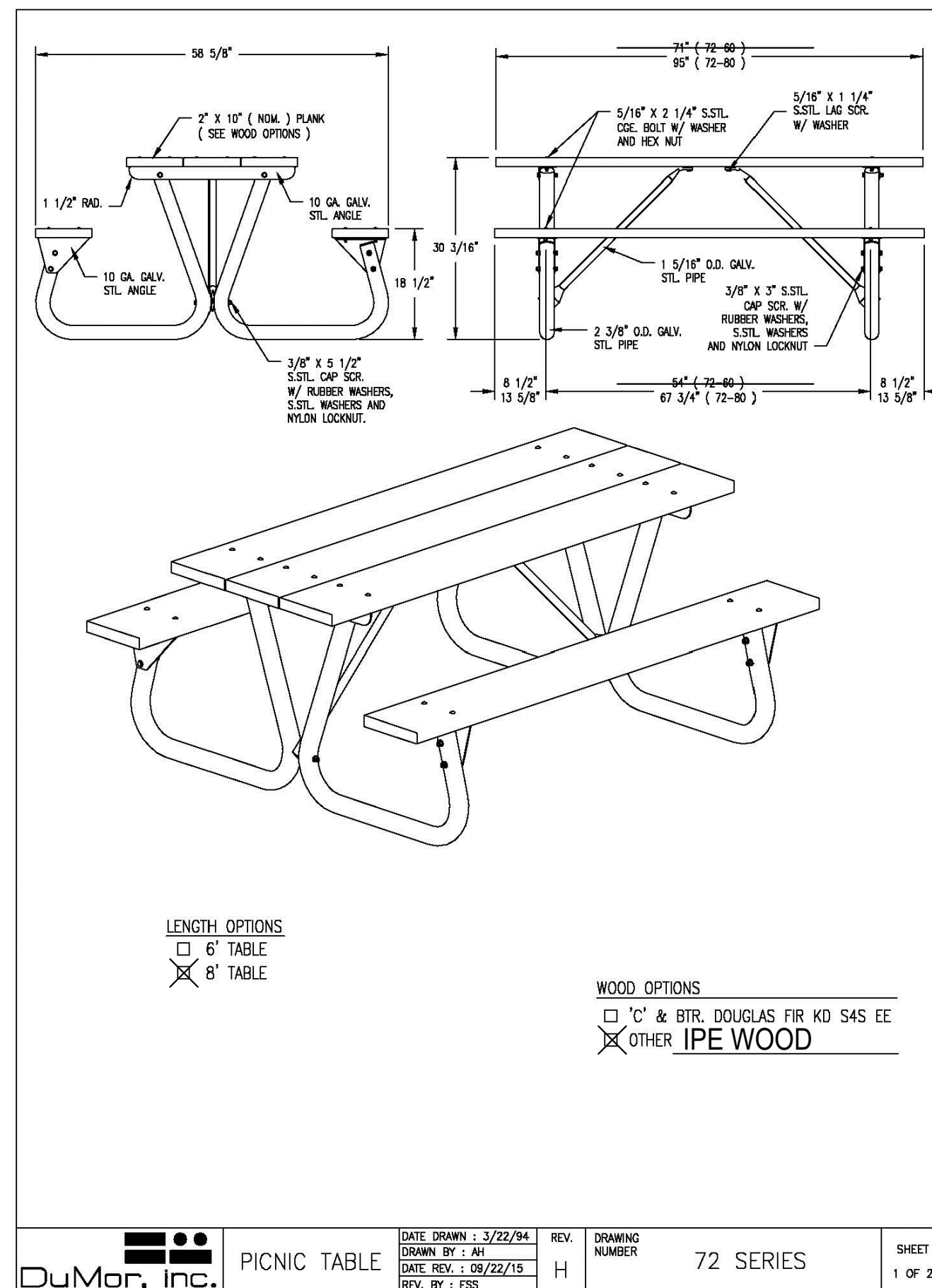
B
SD1
SPLIT RAIL FENCE
SCALE: 3/4"=1'-0"



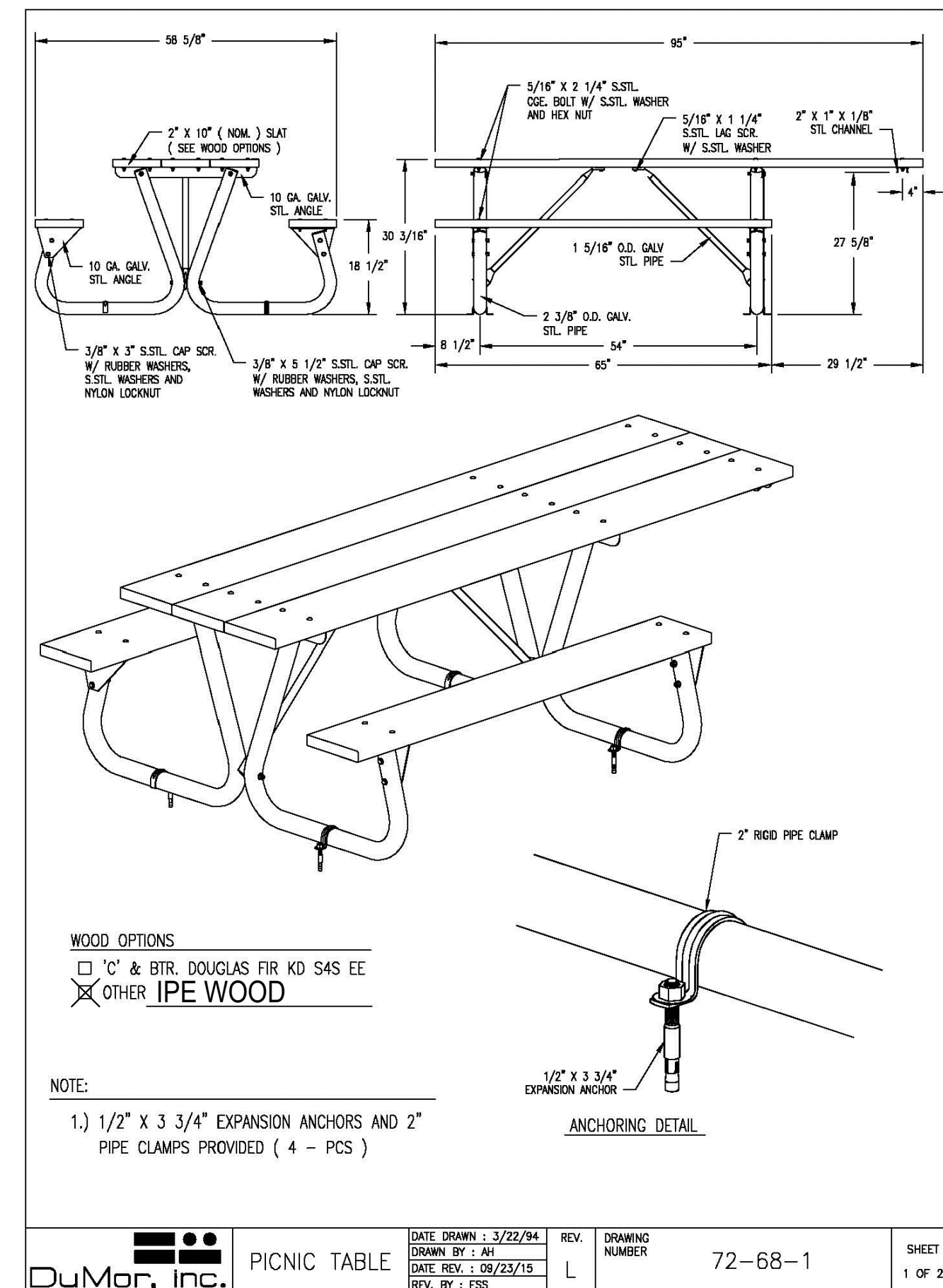
C
SD1
BOULDER SEAT
SCALE: NTS



D
SD1
FOOT TRAIL REPAIR
SCALE: 1/4"=1'-0"



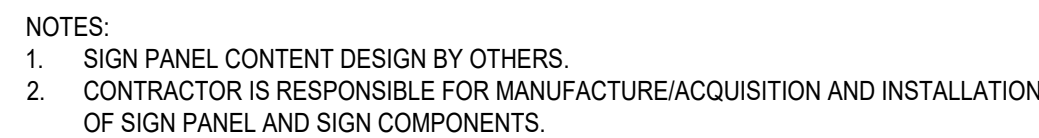
E
SD1
PICNIC TABLE
SCALE: NTS



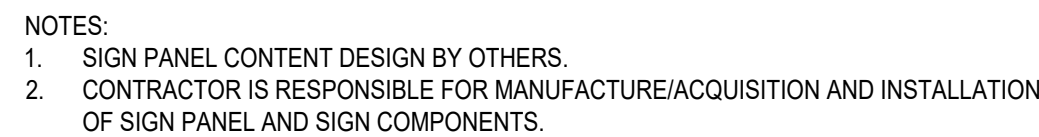
- NOTES:
1. DuMor TABLE 72 SERIES IN IPE WOOD.
 2. ONE (1) 8' LENGTH TABLE SHALL BE INSTALLED NEAR THE BEACH AREA (WESTERN TABLE LOCATION).
 3. ONE (1) ADA ACCESSIBLE TABLE SHALL BE INSTALLED AT THE MAIN PLAZA (EASTERN TABLE LOCATION).
 4. BOTH TABLES SHALL BE SURFACE MOUNT INSTALLED ACCORDING TO MANUFACTURER INSTRUCTIONS.

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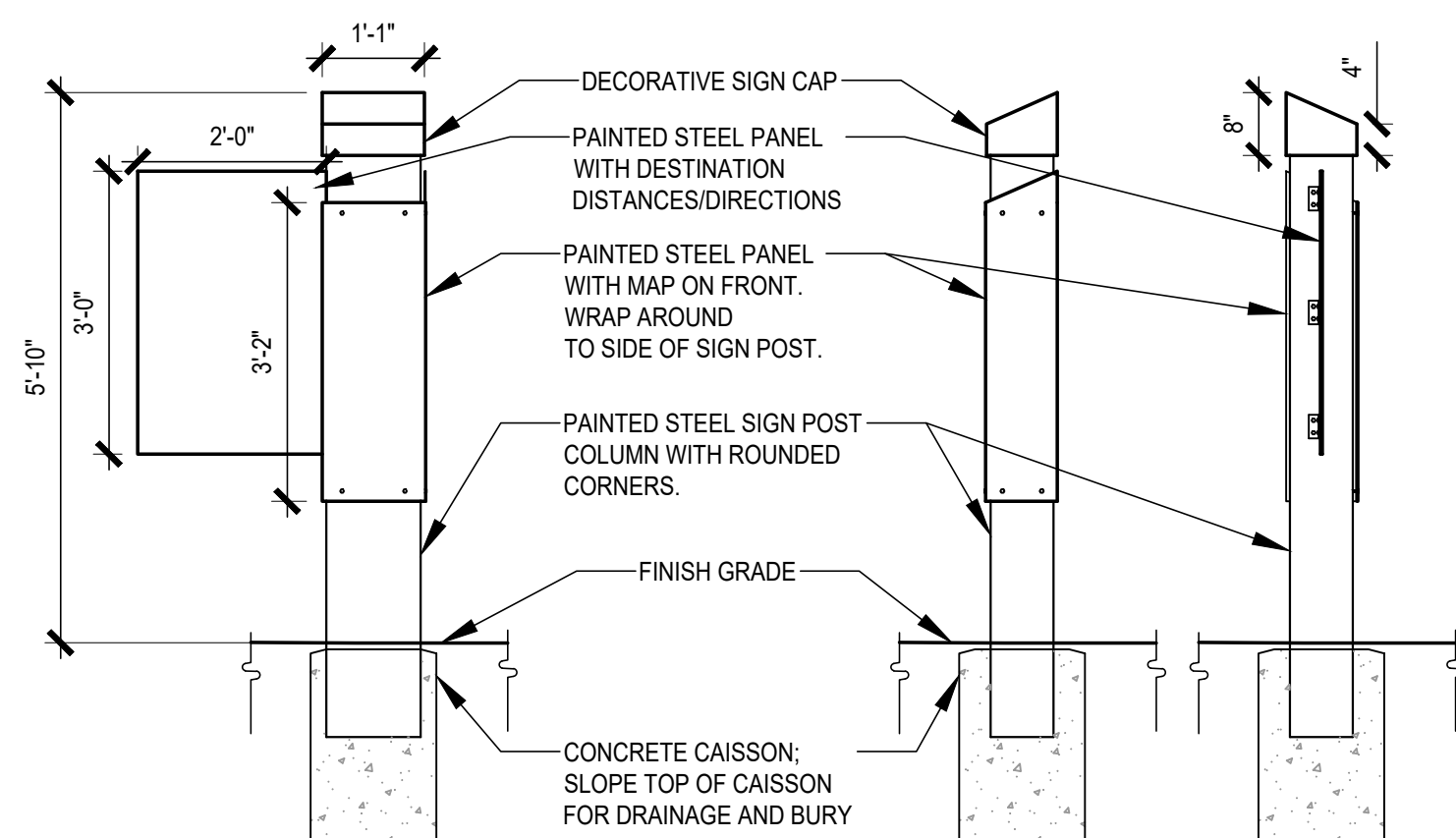
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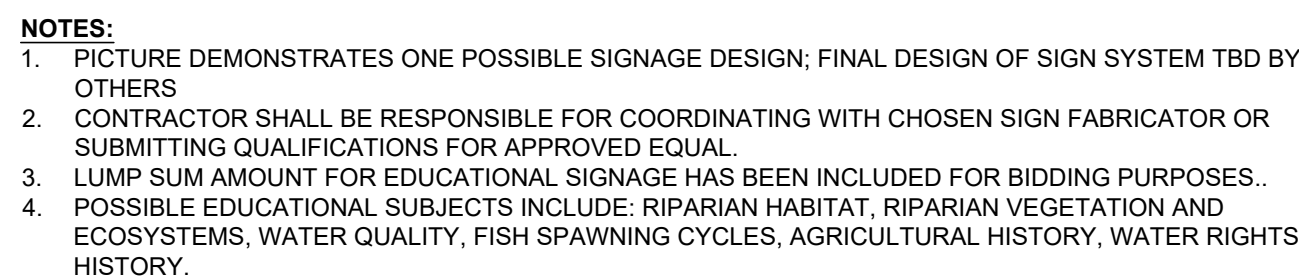
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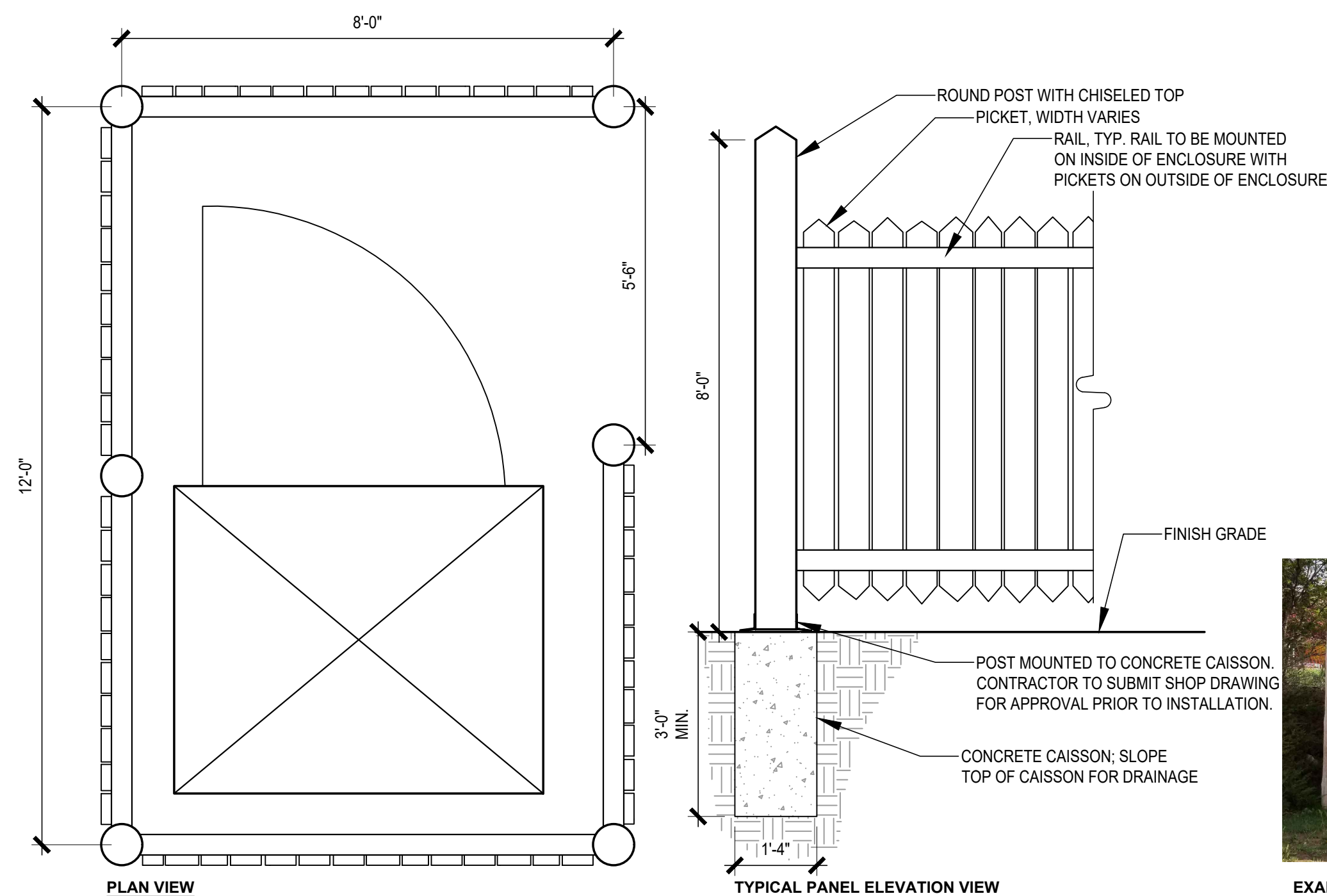
SD2 SCALE: 1/2"=1'-0"



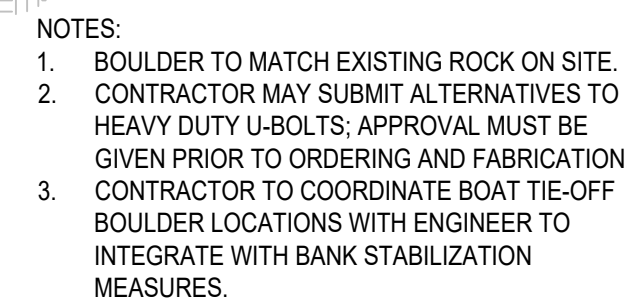
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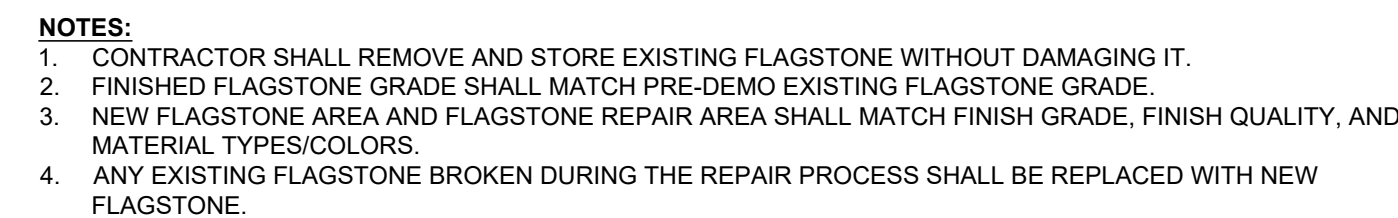
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SD2 SCALE: NTS



SD2 SCALE: 1/2"=1'-0"



SD2 SCALE: 1/2"=1'-0"

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DETAIL	JDA	2/18/2022
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THREE MILE CONFLUENCE

SITE LAYOUT DETAILS

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	SD2

GENERAL PLANTING NOTES

OVERALL:

- 1. THE HYDROLOGIC ZONES WILL BE FLAGGED AND IDENTIFIED BY PROJECT TEAM (INCLUDING RESTORATION ECOLOGIST AND LANDSCAPE ARCHITECT), PRIOR TO PLANTING. HYDROLOGIC ZONES ARE BASED ON RELATIVE DEPTH OF GROUNDWATER.
- 2. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED WITHOUT WRITTEN APPROVAL BY LANDSCAPE ARCHITECT. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IN WRITING AND PROPOSE SUBSTITUTION FOR APPROVAL.
- 3. ALL CONTAINERIZED HERBACEOUS PLANT MATERIALS (GRASSES AND GRASS-LIKES) AND WOODY PLANT MATERIAL WILL BE PLANTED AS SHOWN ON PLANS.

BANK STABILIZATION AREAS:

- 4. WOODY PLANT MATERIAL INSTALLED WITHIN DESIGNATED BANK STABILIZATION AREAS, WILL BE INSTALLED AT TWO (2) WILLOWS PER LINEAR FOOT AT THE SAME TIME AS BOULDER PLACEMENT.
- 5. LIVE FASCINES SHOULD BE CONSTRUCTED USING 40 LIVE WILLOW CUTTINGS BUNDLED ON EITHER END WITH BIODEGRADABLE TWINE. EACH BUNDLE SHALL BE APPROXIMATELY 5-FEET IN LENGTH. THE BUNDLES SHALL BE ARRANGED IN ALTERNATING LAYERS SO BOTH ENDS OF THE FASCINES ARE RELATIVELY EVEN AT EACH END. LIVE FASCINES SHALL BE INSTALLED PER DETAIL B ON PAGE LD3.
- 6. WILLOW CUTTINGS (TRENCHED), WILL BE INSTALLED AT FOUR (4) WILLOW CUTTINGS PER LINEAR FOOT LATERAL TRENCHES WILL BE DUG DOWN TO THE LOW SEASON WATER TABLE AS SHOWN ON PLANS. WILLOW CUTTINGS WILL BE INSTALLED WITHIN THE TRENCH TO THE MEAN ANNUAL MINIMUM WATER TABLE THEN BACKFILLED WITH NATIVE SOIL AND ROCK MATERIAL.
- 7. WHEN INSTALLING CUTTINGS WITHIN THE BANK STABILIZATION AREAS, IF THE POINT WHERE THE STEM MEETS GROUND AFTER INSTALLATION IS BELOW THE BANKFULL WATER SURFACE ELEVATION (BELOW ZONE 2), THEN THE CONTRACTOR IS RECOMMENDED TO USE *SALIX EXIGUA* (SANDBAR WILLOW); HOWEVER, IF POINT WHERE THE STEM MEETS GROUND AFTER INSTALLATION IS ABOVE BANKFULL (ZONES 2 AND 3), THE CONTRACTOR IS RECOMMENDED TO USE OTHER *SALIX* SPECIES PREFERENTIALLY INSTEAD OF *S. EXIGUA*.
- 8. THE EXACT LOCATION OF LIVE PLANT MATERIAL WILL BE BASED ON FINAL GRADING, AS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT AND RESTORATION ECOLOGIST WHO WILL BE ONSITE TO ASSIST WITH PROJECT IMPLEMENTATION.

PLANT MATERIAL INSTALLATION:

- 9. IF THE CONTRACTOR IS HARVESTING WILLOW CUTTINGS, THE CONTRACTOR SHALL HARVEST MATERIAL FROM PRE-IDENTIFIED SITE-SPECIFIC COLLECTION LOCATIONS COLLECTED ON-SITE OR FROM ELSEWHERE IN GARFIELD COUNTY FOR INSTALLATION. IF PURCHASING CUTTING MATERIAL, CUTTINGS SHALL BE PROFESSIONALLY HARVESTED FROM LOCAL SOURCES AND THROUGH REPUTABLE VENDORS.
- 10. CUTTINGS SHALL BE HARVESTED NO MORE THAN TWO WEEKS PRIOR TO PLANTING. MATERIAL SHALL BE HARVESTED BETWEEN FALL DORMANCY AND SPRING BUD BREAK (BEFORE LEAVES EMERGE OR AFTER THEY ARE DROPPED) FROM LIVE PLANTS. CUTTINGS SHALL BE 0.5 TO 1.0 INCH IN DIAMETER AND 4 TO 5 FEET IN LENGTH.
- 11. ALL CUTTINGS SHALL BE INSTALLED TO AN ADEQUATE LENGTH TO REACH SIX INCHES INTO THE THE MEAN ANNUAL MINIMUM WATER TABLE, WITH STEMS TRIMMED SUCH THAT NO FEWER THAN THREE TO FOUR LIVE BUDS REMAINING ABOVE THE GROUND SURFACE.
- 12. THE STEM WILL BE STRIPPED OF ALL BRANCHES BEFORE CUTTING AND THEN TRIMMED TO THE DESIRED LENGTH AFTER INSTALLATION. THE LOWER (ROOTING) END OF THE STEM WILL BE CUT AT A 45 DEGREE ANGLE AND THE UPPER END WILL BE CUT AT A 90 DEGREE ANGLE. THE CUTTINGS WILL THEN BE PLACED INTO WATER WITHIN TWO MINUTES OF CUTTING AND SOAKED -- -COMPLETELY SUBMERGED --- FOR FIVE TO SEVEN DAYS PRIOR TO PLANTING, BUT NOT MORE THAN 14 DAYS, PRIOR TO PLANTING.
- 13. A QUALIFIED LANDSCAPE ARCHITECT AND RESTORATION ECOLOGIST WILL DIRECT AND SUPERVISE ALL PLANTINGS.
- 14. FOR CONTAINERIZED STOCK, ALL PLANTS SHALL BE PRE-INSPECTED BY THE PLANTING CONTRACTOR TO HELP ENSURE QUALITY, PROPER HARDENING (2-WEEK MINIMUM), AND SPECIES CORRECTNESS. ANY DEAD, DYING, STRESSED, OR BADLY "ROOT-BOUND" PLANTS WILL BE REJECTED. PLANTING HOLES SHALL BE HAND DUG OR DRILLED WITH AN AUGER WHERE NECESSARY TO ALLOW DEEP ROOT PENETRATION AND TO MINIMIZE "J-ROOTING." HOLES WILL BE DUG TWICE THE WIDTH AND EQUAL TO THE DEPTH OF THE ROOT BALL OF THE PLANT. HOLES WILL BE WATERED BEFORE PLANTING, THEN FILLED, TAMPING DOWN THE SOIL TO REMOVE AIR POCKETS, AND WATERED AGAIN IMMEDIATELY.
- 15. ALL DEEP PLANTED COTTONWOODS SHALL BE D60 CONTAINER STOCK INSTALLED USING THE DEEP PLANTING METHOD. D60 COTTONWOOD SHALL BE INSTALLED TO ENSURE ROOTBALL CONTACT WITH THE THE MEAN ANNUAL MINIMUM WATER TABLE AND WITH APPROX. 6-INCHES OF THE ABOVE GROUND STEM IS EXPOSED.
- 16. 2-INCHES OF FINELY SHREDDED CEDAR MULCH SHALL BE APPLIED OVER THE ROOT BALL OF ALL CONTAINERIZED PLANTS IMMEDIATELY AFTER INSTALLATION.
- 17. BASED ON MARKET AVAILABILITY, THE RESTORATION ECOLOGIST CAN ALTER PLANT CONTAINER SIZE AND PLACEMENT BASED ON WHAT THE MARKET CAN BARE AND MARKET CONDITION.
- 18. BASED ON FINAL CONDITIONS AND AT THE DISCRETION OF THE RESTORATION ECOLOGIST OR LANDSCAPE ARCHITECT, PLANTS MATERIALS CAN MOVED BETWEEN THE SWALE AND ZONE 2 AND 3 REVEGETATION AREAS.
- 19. MUCH OF THE ECOTYPIC (I.E. ADAPTED TO LOCAL SITE CONDITIONS) PLANT MATERIAL CAN BE PURCHASED AT LOCAL NATIVE PLANT NURSERIES. IF SPECIFIED ECOTYPIC PLANT MATERIALS ARE UNABLE TO BE PURCHASED AT LOCAL NURSERIES, THEN APPROPRIATE COLORADO NURSERIES AND SEED PROVIDERS SHALL BE RECOMMENDED BY RESTORATION ECOLOGIST AND APPROVED BY LANDSCAPE ARCHITECT.
- 20. THE USE OF CHEMICALS, SUCH AS SOIL STABILIZERS, DUST PALLIATIVES, HERBICIDES, GROWTH INHIBITORS, DEICING SALTS, ETC., SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED APPLICATION RATES, FREQUENCY, AND INSTRUCTIONS. THESE CHEMICALS SHALL NOT BE USED, STORED, OR STOCKPILED WITHIN 50 HORIZONTAL FEET OF THE CREEK OR OTHER AQUATIC HABITATS.

PLANTING AND SEEDING TIMING:

- 21. ALL WETLAND AND RIPARIAN ZONES SHALL BE PLANTED BETWEEN SEPTEMBER 1ST AND BEFORE THE GROUND IS FROZEN, OR AFTER THE GROUND HAS THAWED AND BEFORE JUNE 1ST. UPLAND ZONE PLANTINGS SHALL NOT OCCUR DURING WINTER ONCE THE GROUND HAS FROZEN.
 - 22. ALL SEEDING SHALL OCCUR BETWEEN SEPTEMBER 15 AND APRIL 15, AND SHALL NOT OCCUR ONCE THE GROUND HAS FROZEN.
- GRADING AND SEEDING
- 23. FOR ALL ZONES, THE FINISH GRADES WILL BE LEFT NATURAL AND ROUGH WITH NO SMOOTH SURFACES, RIGHT ANGLES, OR STRAIGHT EDGES.
 - 24. ALL WORK AREAS (OTHER THAN THE IMMEDIATE CHANNEL BANKS) WILL BE LOOSENEED TO A DEPTH OF 6 INCHES BEFORE PLANTING AND SEEDING.
 - 24.1. THE FORMULA FOR DETERMINING THE QUANTITY OF PURE LIVE SEED (PLS) SHALL BE (POUNDS OF SEED) X (PURITY) X (GERMINATION) = POUNDS OF PURE LIVE SEED (PLS).
 - 25. ALL SEED RECOMMENDATIONS ARE BASED ON THE 140 PLS PER SQUARE FOOT, AS DETERMINED ON A PERCENTAGE BASIS BY SPECIES. ALL NATURAL FLOODPLAIN AREAS (INCLUDING THOSE NOT DISTURBED BY RESTORATION ACTIVITIES) AND AREAS DISTURBED BY RESTORATION ACTIVITIES INCLUDING CONSTRUCTION WORK AREAS WILL BE BROADCAST SEEDED WITH THE APPROPRIATE SEED MIX SPECIFIED FOR EACH ZONE, AND SHALL REPRESENT THE SPECIES AND QUANTITIES PRESENTED WITHIN THE SEEDING TABLES. SEEDING WILL ONLY BE PERFORMED BETWEEN SEPTEMBER 1ST AND WHEN THE GROUND FREEZES AND WHEN THE GROUND THAWS AND JUNE 1ST, UNLESS APPROVED BY RESTORATION ECOLOGIST.
 - 26. RESTORATION ECOLOGIST AND LANDSCAPE ARCHITECT SHALL DETERMINE THE LOCATIONS OF FOUR SOIL TESTS TO OCCUR BEFORE ANY SOIL AMENDMENT IS APPLIED OR SEED SPREAD.
 - 27. ONE CUBIC YARD OF WEED FREE ORGANIC COMPOST, OR APPROVED SUBSTITUTION SHALL BE INCORPORATED TO 6" DEPTH AS NEEDED FOLLOWING REVIEW OF THE SOIL TESTS. RESTORATION ECOLOGIST AND LANDSCAPE ARCHITECT MUST APPROVE APPLICATION OF COMPOST PRIOR TO ITS INSTALLATION.
 - 28. NATIVE UPLAND SOIL SHALL BE OBTAINED WITHIN GARFIELD COUNTY IN ORDER TO HELP CONTAIN INVASIVE SPECIES SPREAD.
 - 29. THE SEED SHALL BE APPLIED THROUGH BROADCAST SEEDING, HAND-RAKED TO ¼-TO ½-INCH DEPTH TO MINIMIZE SEED LOSS, THEN SURFACE-PRESSED THROUGH A WATER-FILLED PRESS-WHEEL TO FACILITATE GOOD SEED-TO-SOIL CONTACT. ALL SEED SHALL BE LABELED AS "CERTIFIED" AND SHALL NOT INCLUDE THE PRESENCE OF NOXIOUS OR INVASIVE SPECIES PROHIBITED UNDER THE COLORADO SEED ACT (AS INDICATED ON THE TAG BY THE COLORADO SEED GROWERS ASSOCIATION APPROVED LABELING). ALL SEED WILL BE INSPECTED BY THE RESTORATION ECOLOGIST AND/OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION AND ALL TAGS MUST BE MAINTAINED FOR DOCUMENTATION BY THE OWNER, OR THEIR DESIGNEE. PRIOR TO DELIVERY, SEED SHALL BE PROCESSED BY THE SEED PROVIDER ON A "GRAVITY-TABLE" TO REMOVE NON-TARGET SEED TYPES, SUCH AS YELLOW SWEETCLOVER, ALFALFA, WOOD SORREL, AND OTHER POTENTIALLY INVASIVE SPECIES.
 - 30. ONCE THE SEED HAS BEEN PROPERLY APPLIED TO THE SITE, THE CONTRACTOR SHALL APPLY BIODEGRADABLE EROSION CONTROL BLANKET WITHIN 24 HOURS OF SEED APPLICATION AS NECESSARY. NEDIA KOIRMAT 700 SHALL BE INSTALLED IN AREAS PLANTED WITH WETLAND PLUGS. NEDIA S400B STRAW BLANKET SHALL BE USED ON ALL OTHER SEEDED AREAS THROUGHOUT THE REMAINDER OF THE SITE.

IRRIGATION:

- 31. BASE BID: CITY SHALL DESIGN AND INSTALL IRRIGATION SYSTEM. CONTRACTOR SHALL COORDINATE WITH CITY STAFF IN ORDER FOR IRRIGATION TO BE INSTALLED DURING OVERALL PROJECT CONSTRUCTION.
- 32. ADD ALTERNATE #1 - IRRIGATION DESIGN/BUILD: CITY WILL PROVIDE IRRIGATION MAINLINE AND CONTROL WIRE BUNDLE TO PROJECT SITE. CONTRACTOR SHALL DESIGN AND INSTALL IRRIGATION SYSTEM PER PLANS AND SPECIFICATIONS. SEE IRRIGATION SHEETS.

SITE AND TREE PROTECTION:

- 33. CONTRACTOR SHALL INSTALL PROTECTION FENCE AROUND ALL #15 CONTAINER TREES TO PROTECT THE MATERIAL FROM WILDLIFE PREDATION. PROACTIVELY OR UPON SIGNS OF DAMAGE, FENCING SHALL ALSO BE APPLIED TOD60 WOODY SHRUBS. FENCING SHALL BE AT LEAST A 48-INCH HIGH 2-INCH X 4-INCH WIRE MESH PER DETAIL A SHEET LD2. CAGES SHALL BE 18 INCHES IN DIAMETER AND FULLY ENCIRCLE THE PLANT. THE CAGE SHALL BE STAKED TO THE GROUND WITH EITHER TWO 6-FOOT INDUSTRIAL GRADE GREEN T-POSTS WIRED TO THE WIRE MESH OR THREE 6-FOOT REBAR RODS WOVEN THROUGH THE WIRE MESH. RECOMMEND ENGAGE A FENCING CONTRACTOR TO PROVIDE RECOMMENDATIONS FOR THE MOST EFFICIENT AND EFFECTIVE WILDLIFE EXCLUSION METHODS FOR EACH PROJECT SITE.
- 34. ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION UNLESS IDENTIFIED ON THE PLANS FOR REMOVAL ADD FLAGGED/PAINTED FOR REMOVAL BY OWNER/RESTORATION ECOLOGIST.
- 35. REMOVAL OF TREES FOR THE PROJECT WILL NEED TO OCCUR OUTSIDE OF NESTING SEASON FOR MIGRATORY BIRDS (BETWEEN SEPTEMBER 1ST AND MARCH 31ST). IF THIS IS NOT POSSIBLE, THEN AN ACTIVE NEST SURVEY MAY BE REQUIRED AT CONTRACTORS EXPENSE.
- 36. NO EQUIPMENT WILL BE ALLOWED IN THE RESTORATION AREA AFTER SEEDING OR PLANTING.
- 37. IN THE EVENT THAT CONSTRUCTION ACTIVITIES IMPACT OR DAMAGE TREES NOT INTENDED TO BE REMOVED, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR THE MITIGATION REQUIREMENTS AND MAY PAY DAMAGES UP TO THREE TIMES MARKET VALUE OF THE TREE AS DETERMINED BY THE REPLACEMENT COST OF THE TREE.
- 38. CONSTRUCTION EQUIPMENT, FUELS, AND OTHER PETROLEUM PRODUCTS SHALL NOT BE STORED OR STOCKPILES WITH 50 FEET OF THE CREEK OR OTHER AQUATIC HABITATS. FUELING SHALL ONLY OCCUR WITHIN APPROVED DESIGNATED AREAS.

PLANT AND SEED GUARANTEE:

- 39. ALL PLANT MATERIALS SHALL BE GUARANTEED AGAINST DEFECT AND DEATH FOR A PERIOD OF ONE (1) YEAR FOLLOWING FINAL ACCEPTANCE. SEE SPECIFICATIONS FOR DETAILS ON ACCEPTABLE MORTALITY PERCENTAGES

FOR EACH TYPE OF PLANT MATERIAL.

- 40. ALL SEEDING AREAS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FOLLOWING FINAL ACCEPTANCE. ACCEPTABLE SEED ESTABLISHMENT SHALL BE DEFINED AS: TOTAL VEGETATION COVER SHALL EXCEED EIGHTY PERCENT (80%) BY AERIAL COVER, WITH SEVENTY PERCENT (70%) OF SPECIES PRESENT BEING NATIVE, AND NO MORE THAN FIFTEEN PERCENT (15%) BEING WEED SPECIES. AREAS GREATER THAN FIFTY (50) SQUARE FEET THAT FAIL TO MEET THE ACCEPTANCE SHALL BE RE-SEEDED REGARDLESS OF OVERALL PROJECT COVERAGE. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

INVASIVE PLANT AND WEED MANAGEMENT:

- 41. WEED CONTROL IS FACILITATED BY THE GENERAL CONTRACTOR IN ACCORDANCE WITH THE APPROPRIATE WEED REGULATIONS AND LOCAL WEED COORDINATOR. IF HERBICIDE IS REQUIRED, SHALL BE APPLIED USING WELL-MAINTAINED SPRAYING EQUIPMENT BY INDIVIDUALS WORKING FOR CONTRACTOR WHO ARE APPROPRIATELY LICENSED BY THE APPROPRIATE STATE AND/OR FEDERAL AGENCY HAVING JURISDICTION OVER SUCH APPLICATIONS. IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO STOP WORK IMMEDIATELY AND TO NOTIFY ENGINEER OR RESTORATION ECOLOGIST IF ANY WEATHER OR OTHER PHYSICAL CONDITION EXISTS WHICH WOULD MAKE THE APPLICATION OF HERBICIDES INAPPROPRIATE OR THE OCCURRENCE OF SIGNIFICANT MISHAP INCLUDING SPILLS, MISAPPLICATION, OR SPRAY-DRIFT.
- 42. HERBICIDE SHALL BE DELIVERED IN ORIGINAL, UNOPENED CONTAINERS, UNLESS PROVISIONS ARE MADE AND APPROVED BY ENGINEER OR RESTORATION ECOLOGIST FOR BULK DELIVERIES TO THE SITE OF THE WORK. ALL HERBICIDES WILL BE STORED IN A MANNER THAT SATISFIES LOCAL, STATE AND FEDERAL GUIDELINES FOR HERBICIDE STORAGE. HERBICIDES SHALL NOT BE APPLIED DURING PERIODS WHEN WIND OR OTHER PHYSICAL CONDITIONS CAUSE THE HERBICIDES OR CHEMICALS TO BE TRANSPORTED A DISTANCE OF MORE THAN FIVE (5) FEET FROM THE IMMEDIATE AREA WHERE THEY ARE BEING PLACED.
- 43. ALL DISCRETE POPULATIONS OF COLORADO LIST A OR B NOXIOUS WEEDS FOUND IN OR WITHIN 100 FEET OF THE RESTORATION AREA WILL BE SPRAYED WITH THE APPROPRIATE HERBICIDE(S) BY A LICENSED APPLICATOR PRIOR TO CONSTRUCTION IN COORDINATION WITH THE APPROPRIATE WEED REGULATIONS AND LOCAL WEED COORDINATOR. SEE RECOMMENDED HERBICIDES FOR EACH SPECIES LISTED BELOW AND IN TABLES 1 AND 2 OR USE BEST JUDGEMENT BY THE LICENSED APPLICATOR OR ECOLOGIST ON SITE. ALL LABEL INSTRUCTIONS WILL BE FOLLOWED BY THE HERBICIDE APPLICATOR.
- 44. WEED AND DEBRIS REMOVAL: ALL GROUND AREAS TO BE PLANTED SHALL BE CLEANED OF ALL WEEDS AND DEBRIS PRIOR TO ANY SOIL PREPARATION OR GRADING WORK. ANY GROWING NOXIOUS WEEDS ON THE SITE SHALL BE PRETREATED WITH APPROVED HERBICIDE PRIOR TO GRADING. ANNUAL OR BIENNIAL WEEDS OVER TWO (2) FEET TALL SHALL BE MOWED, RAKED, AND REMOVED PRIOR TO GRADING. WEEDS AND DEBRIS SHALL BE DISPOSED OF OFF THE SITE.
- 45. PREVENTION SHALL ALWAYS BE PRACTICED AND IS EFFECTIVE ON ALL SPECIES OF WEEDS. IT IS ACCOMPLISHED THROUGH GOOD LAND STEWARDSHIP, PLANTING WEED-FREE SEED, AVOIDING PLANTING OR SPREADING INVASIVE WEED SPECIES VIA MACHINERY OR CLOTHING, USING WEED-FREE SEED MULCH AND EROSION CONTROL, MINIMIZING SOIL DISTURBANCE, USING CLEAN EQUIPMENT AND TAKING LEGAL MEASURES SUCH AS QUARANTINES AND WEED LAWS.
- 46. AN INTEGRATED APPROACH TO NOXIOUS WEED MANAGEMENT IS IMPORTANT BECAUSE NO SINGLE TECHNIQUE WILL BE EFFECTIVE. AN INTEGRATED APPROACH TO NOXIOUS WEED MANAGAMENT WILL INCLUDE:
 - a. CULTURAL MANAGEMENT INCLUDES METHODS OR MANAGEMENT PRACTICES WHICH FAVOR THE GROWTH OF DESIRABLE PLANTS NATIVE PLANTS OVER NOXIOUS WEEDS, INCLUDING MAINTAINING OPTIMUM FERTILITY AND PLANT MOISTURE STATUS IN AN AREA, PLANTING AT OPTIMUM DENSITY AND SPATIAL ARRANGEMENT IN AN AREA, AND PLANTING SPECIES MOST SUITED TO A PARTICULAR AREA. TECHNIQUES INCLUDE DENSE SEEDING, FERTILIZATION, MULCHING, CAREFUL IRRIGATION PRACTICES, SENSIBLE GRAZING REGIMES AND IMPROVED LAND MANAGEMENT PRACTICES.
 - b. MECHANICAL MANAGEMENT METHODS OR PRACTICES THAT PHYSICALLY DISRUPT PLANT GROWTH AND INCLUDE TILLING, MOWING, BURNING, FLOODING, MULCHING, HAND-PULLING, SHOVELING, HOEING AND CHOPPING. MECHANICAL METHODS ARE MOST EFFECTIVE FOR ANNUAL AND BIENNIAL WEEDS AND LESS EFFECTIVE FOR PERENNIALS. EQUIPMENT SHALL BE CLEANED THOROUGHLY BEFORE MOVING TO UNINFESTED AREAS TO PREVENT THE SPREAD OF WEEDS. CULTURAL PRACTICES WILL BE UNDERTAKEN IN A MANNER THAT IS IN ALIGNMENT WITH COUNTY REGULATIONS AND RECOMMENDATIONS.
 - c. BIOLOGICAL MANAGEMENT INVOLVES THE USE OF ORGANISMS SUCH AS INSECTS AND ANIMALS TO DISRUPT THE GROWTH OF NOXIOUS WEEDS. IT RARELY PROVIDES 100% CONTROL AND MUST BE INCORPORATED WITH OTHER METHODS FOR SUCCESSFUL MANAGEMENT. INSECT SPECIES DEVELOPED TO MITIGATE SPECIFIC NOXIOUS PLANTS ARE AVAILABLE TO THE PUBLIC FREE OF CHARGE FROM THE COLORADO DEPARTMENT OF AGRICULTURE CONSERVATION SERVICES DIVISION, BIOLOGICAL CONTROL PROGRAM, 750 37.8 RD., PALISADE, CO 81526; 866- 324-2963 OR 970-464-7916.
 - d. CHEMICAL CONTROL: HERBICIDE APPLICATION. IT IS EXTREMELY IMPORTANT TO TREAT SMALL INFESTATIONS OF CERTAIN WEEDS (LIST A AND B SPECIES TO BE ERADICATED) AS SOON AS POSSIBLE. HERBICIDES ARE MOST EFFECTIVE WHEN SPRAYED AT SPECIFIC STAGES DURING THE LIFE CYCLE OF THE WEED. TO ENSURE THAT SMALL INFESTATIONS OF NOXIOUS WEEDS ARE CONTROLLED OR ERADICATED EFFECTIVELY, IT IS EXTREMELY IMPORTANT TO TAKE IMMEDIATE ACTION ON CERTAIN WEED PATCHES.
- 47. GARFIELD COUNTY VEGETATION MANAGEMENT IS COMMITTED TO USING BEST MANAGEMENT PRACTICES WHEN APPLYING HERBICIDES TO CONTROL NOXIOUS WEEDS. THESE PRACTICES INCLUDE FOLLOWING LABEL DIRECTIONS AND SELECTIVE SPOT SPRAYING TO ENSURE DIRECT TREATMENT OF NOXIOUS WEEDS AND PROTECTION OF NATIVE VEGETATION AND WATER RESOURCES. ONLY RIPARIAN SAFE AQUATIC-LABELED HERBICIDES CAN BE USED WITHIN THE RIPARIAN ZONE DURING TREATMENT. ALWAYS READ AND FOLLOW HERBICIDE LABEL AND SAFETY INSTRUCTIONS. THE HERBICIDE LABEL IS THE LAW.
- 48. CHANGES IN HERBICIDE REGISTRATIONS OCCUR CONSTANTLY. THE HERBICIDE LABEL IS THE LEGAL DOCUMENT ON HERBICIDE USE. READ AND FOLLOW ALL DIRECTIONS CAREFULLY. THE USE OF AN HERBICIDE IN A MANNER NOT CONSISTENT WITH THE LABEL CAN LEAD TO INJURY OF CROPS, HUMANS, ANIMALS AND THE ENVIRONMENT.

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DESIGN	BAP	2/18/2022
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THREE MILE CONFLUENCE

LANDSCAPE GENERAL NOTES

JOB NO.
191-025.000

REVISION NO.

SHEET NO.
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SITE SPECIFIC NOXIOUS WEED CONTROL

THE FOLLOWING TABLE INCLUDES THE STATE LISTED NOXIOUS WEEDS CURRENTLY FOUND AT THE PROJECT SITE THAT NEED TO BE REMOVED:

<i>Bromus tectorum</i>	cheatgrass	Colorado State List C Noxious
<i>Cynoglossum officinale</i>	houndstongue	Colorado State List B Noxious
<i>Elaeagnus angustifolia</i>	Russian olive	Colorado State List B Noxious
<i>Poa bulbosa</i>	bulbous bluegrass	Colorado State List C Noxious
<i>Tanacetum vulgare</i>	common tansy	Colorado State List B Noxious
<i>Ulmus pumila</i>	Siberian elm	Colorado State Watch List Species

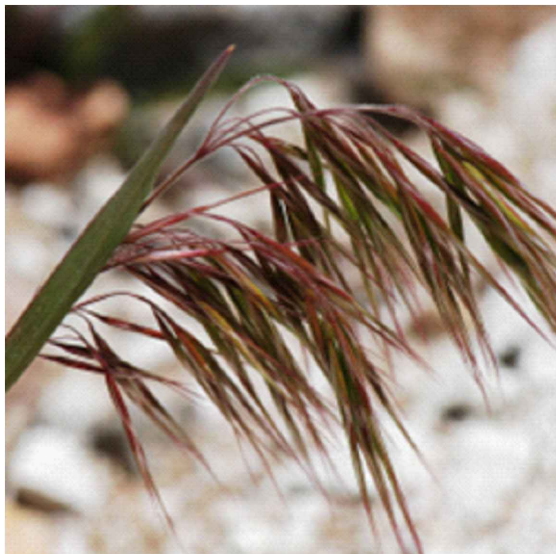
CHEATGRASS CONTROL (LIST C):

1. MECHANICAL CONTROL:

- DO NOT MOW OR CHOP CHEATGRASS AREAS; THEY LEAVE ROOTS BEHIND, STIMULATE FLOWER PRODUCTION, DISPERSE SEEDS, AND EXPAND THE SIZE OF THE INFESTED AREA.
- COLLECT, BAG, AND DISPOSE OF OR DESTROY FLOWERS; SEEDS CAN MATURE AND GERMINATE IF LEFT.
- TILLING MUST BE DEEPER THAN 6 INCHES TO WORK.

2. CHEMICAL CONTROL:

- IF DEEMED NECESSARY, APPLY A *PSEUDOMONAS FLUORESCENS* D7 HERBICIDE TREATMENT AS IT IS KNOWN TO INHIBIT CHEATGRASS AND IS CURRENTLY APPROVED BY EPA AND COLORADO.
- HERBICIDE RECOMMENDATIONS TO CONTROL CHEATGRASS IN PASTURES AND RANGELAND ARE FOUND AT: [HTTPS://GOO.GL/TVWNV9](https://goo.gl/TVWNV9).
- THE BEST TIME TO TREAT IS IN THE FALL BUT CAN BE TREATED IN OTHER SEASONS IN ADDITION.
- FOLLOW THE LABEL FOR EXACT HERBICIDE APPLICATION RATES. CONSULT LOCAL TURF AND ORNAMENTAL EXPERTS FOR RESIDENTIAL SETTINGS. ALWAYS READ, UNDERSTAND, AND FOLLOW THE LABEL DIRECTIONS.



HOUNDSTONGUE CONTROL (LIST B):

1. MECHANICAL CONTROL:

- CUT OR PULL PLANTS AND REMOVE ENTIRE ROOT CROWN WHEN PLANTS ARE IN THE ROSETTE STAGE.
- TO REDUCE SEED PRODUCTION, MOW OR CUT FLOWERING STEMS BEFORE SEED NUTLETS DEVELOP, THIS CAN SIGNIFICANTLY REDUCE SEED PRODUCTION

2. CHEMICAL CONTROL:

- USE RECOMMENDED HERBICIDES INCLUDE METSULFURON (ESCORT XP) + 2,4-D; CHLORSULFURON* (TELAR) + 2, 4-D; METSULFURON + CHLORSULFURON (CIMARRON X-TRA).
- APPLY IN SPRING ROSETTE TO EARLY FLOWER GROWTH STAGES. IF PERSIST TREAT AGAIN SUMMER AND/OR FALL. ALWAYS APPLY HERBICIDES FOLLOWING GUIDANCE ON THE HERBICIDE LABEL.



REFERENCES:

USDA FOREST SERVICE. 2017. SOUTHWEST REGION, FIELD GUIDE FOR MANAGING SIBERIAN ELM IN THE SOUTHWEST. AVAILABLE AT https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fseprd563046.pdf (ACCESSED JUNE 2020).

USDA, NRCS. 2020. THE PLANTS DATABASE ([HTTP://PLANTS.USDA.GOV](http://plants.usda.gov), 29 JUNE 2020). NATIONAL PLANT DATA TEAM, GREENSBORO, NC 27401-4901 USA.

PHOTOS: UNLESS OTHERWISE NOTED, PHOTOS ARE FROM THE COLORADO DEPARTMENT OF AGRICULTURE - CONSERVATION SERVICES AND COLORADO STATE UNIVERSITY

RUSSIAN OLIVE CONTROL (LIST B):

- CULTURAL CONTROL: PREVENT ESTABLISHMENT OF NEW TREES BY REMOVING SEEDLINGS AND SAPLINGS BEFORE THEY MATURE.
- MECHANICAL CONTROL: SAPLINGS CAN BE PULLED WITH A WEED-WRENCH OR CUT WITH BRUSH-CUTTERS. TREES CAN BE GIRDLED OR CUT WITH CHAINSAWS. HOWEVER, STUMP EXCAVATION WITHOUT REMOVING ALL PARTS OF THE ROOTS CAN RESULT IN ROOT SPROUTING. TREATING CUT-STUMPS WITH AN HERBICIDE CAN ELIMINATE SPROUTING.
- CHEMICAL CONTROL:
 - RECOMMENDED HERBICIDES FOR CUT-STUMP TREATMENT IN LATE SUMMER TO FALL INCLUDE TRICLOPYR (GARLON 4, REMEDY); GLYPHOSATE (RODEO - APPROVED AQUATIC LABEL). PLEASE NOTE THAT GLYPHOSATE IS NON-SELECTIVE AND WILL KILL ANY VEGETATION CONTACTED. ALWAYS APPLY HERBICIDES FOLLOWING GUIDANCE ON THE HERBICIDE LABEL.



BULBOUS BLUEGRASS CONTROL (LIST C):

1. MECHANICAL CONTROL:

- PERFORM SPRING TILLAGE AS IT IS VERY EFFECTIVE IN CONTROLLING BULBOUS BLUEGRASS. FALL TILLAGE IS LESS EFFECTIVE.
- HAYING AND MOWING ARE NOT EFFECTIVE BECAUSE THE SEED HEADS ARE FREQUENTLY SHORTER THAN THE CUTTING HEIGHT.

2. CHEMICAL CONTROL:

- IF DEEMED NECESSARY, THERE IS A WIDE RANGE OF CHEMICALS AVAILABLE TO CONTROL BULBOUS BLUEGRASS. THESE INCLUDE HERBICIDES THAT CONTAIN THE ACTIVE INGREDIENT GLYPHOSATE (E.G., ROUNDUP), RIMSULFURON (E.G., MATRIX), SULFOMETURON METHYL (E.G., LANDMARK XP), OR SULFOSULFURON (E.G., OUTRIDER). CONTACT YOUR LOCAL AGRICULTURAL EXTENSION AGENT OR COUNTY WEED SPECIALIST TO LEARN WHAT PRODUCTS WORK BEST IN YOUR AREA AND HOW TO USE THEM PROPERLY.



TABLE 1. TREATMENT METHODS AND TIMING OF TREATMENT FOR CO FRONT RANGE WEEDS. AN * INDICATES TO TREAT AGAIN IF THE SPECIES IS GROWING DURING THE INDICATED SEASON.

SCIENTIFIC NAME	COMMON NAME	SPRING TREATMENT	SUMMER TREATMENT	FALL TREATMENT
<i>BROMUS TECTORUM</i>	CHEATGRASS	N/A	N/A	HERBICIDES
<i>CYNOGLOSSUM OFFICINALE</i>	HOUNDSTONGUE	CUT, PULL, HERBICIDE	HERBICIDE*	HERBICIDE*
<i>ELAEAGNUS ANGUSTIFOLIA</i>	RUSSIAN OLIVE	CUT AND HERBICIDE	CUT AND HERBICIDE	CUT AND HERBICIDE
<i>POA BULBOSA</i>	BULBOUS BLUEGRASS	TILL, HERBICIDE	N/A	HERBICIDE
<i>TANACETUM VULGARE</i>	COMMON TANSY	HERBICIDE	HERBICIDE	N/A
<i>ULMUS PUMILA</i>	SIBERIAN ELM	CUT/GIRDLE/PULL AND HERBICIDE	CUT AND HERBICIDE	HERBICIDE*

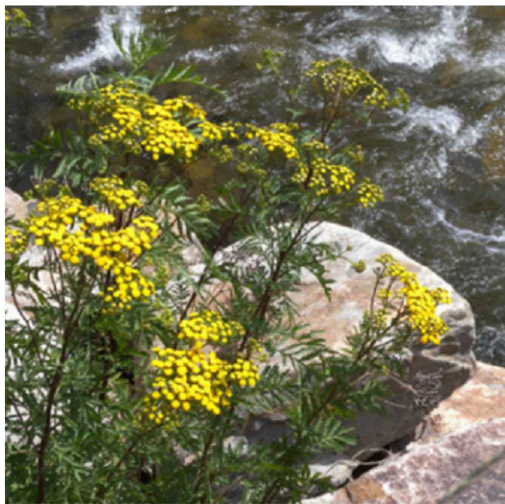
COMMON TANSY CONTROL (LIST B):

1. MECHANICAL CONTROL:

- REMOVE ALL ROOT BIOMASS OR SEVER ROOTS BELOW THE SOIL SURFACE EARLY IN THE SEASON TO REDUCE ENERGY STORAGE AND BEFORE SEED PRODUCTION.
- DO NOT MOW, CHOP, HAND-PULL, OR DEADHEAD PLANTS. THIS LEAVES ROOTS BEHIND AND STIMULATES FLOWER PRODUCTION, REQUIRING CONSECUTIVE YEARS OF SEASON-LONG TREATMENTS. MOWING DISPERSES THE SEEDS AND EXPANDS THE INFESTED AREA.
- COLLECT, BAG, AND DISPOSE OF OR DESTROY ALL FLOWERS; SEEDS COULD MATURE AND GERMINATE IF LEFT ON SITE ON THE GROUND.

2. CHEMICAL CONTROL:

- RECOMMENDED HERBICIDES FOR TREATMENT WHEN IN THE FLOWER BUD TO FLOWERING GROWTH STAGES (LATE SPRING TO MID-SUMMER) INCLUDE AMINOCYCLOPYRACHLOR + CHLORSULFURON (PERSPECTIVE); AMINOPYRADLID + METSULFURON (OPENSIGHT); OR METSULFURON (ESCORT XP). ALWAYS APPLY HERBICIDES FOLLOWING GUIDANCE ON THE HERBICIDE LABEL.
- ADDITIONAL HERBICIDE RECOMMENDATIONS TO CONTROL COMMON TANSY IN PASTURES AND RANGELAND ARE FOUND AT: [HTTPS://GOO.GL/TVWNV9](https://goo.gl/TVWNV9). FOLLOW THE LABEL FOR EXACT RATES.



SIBERIAN ELM CONTROL (COLORADO WATCH LIST):

1. CULTURAL CONTROL:

- PREVENT ESTABLISHMENT OF NEW TREES BY REMOVING SEEDLINGS AND SAPLINGS BEFORE THEY MATURE.

2. MECHANICAL CONTROL:

- GIRDLE STEM TO KILL TREES, HAND PULL SEEDLINGS, AND REMOVE SMALL TREES WITH A WEED WRENCH.

3. CHEMICAL CONTROL:

- IF DEEMED NECESSARY, THERE ARE SEVERAL REGISTERED PRODUCTS THAT CAN BE APPLIED IN A VARIETY OF WAYS INCLUDING (1) FOLIAGE APPLICATION, (2) SOIL APPLICATION, (3) TOPICAL APPLICATION TO CUT-STEMS AND STUMPS, AND (4) BASAL SPRAYING. HERBICIDE SPRAYING IS RARELY SUCCESSFUL AS A ONE-TIME TREATMENT SO IT SHALL BE ANTICIPATED THAT TREATED AREAS WILL NEED TO BE MONITORED FOR SEVERAL YEARS AND RE-SPROUTS AND NEW SEEDLINGS WILL REQUIRE FURTHER TREATMENT. THE RECOMMENDED HERBICIDES ARE: TRICLOPYR, GLYPHOSATE, IMAZAPYR, AMINOCYCLOPYRACHLOR + IMAZAPYR + METSULFURON METHYL. ALWAYS READ AND FOLLOW HERBICIDE LABEL AND SAFETY INSTRUCTIONS.

TABLE 2: PROVEN HERBICIDES TO USE IN RIPARIAN AREAS, RIPARIAN SAFE, AND OUTSIDE RIPARIAN ZONE, BY AT LEAST 100 FT FROM WATER LINE. ALL HERBICIDE USED IN RIPARIAN AREA SHOULD HAVE AN APPROVED RIPARIAN SAFE LABEL.

SCIENTIFIC NAME	COMMON NAME	RIPARIAN SAFE HERBICIDES	OUTSIDE (100FT) RIPARIAN ZONE HERBICIDES
<i>BROMUS TECTORUM</i>	CHEATGRASS	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL)	PSEUDOMONAS FLUORESCENS D7
<i>CYNOGLOSSUM OFFICINALE</i>	HOUNDSTONGUE	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL), 2, 4-D	METSULFURON (ESCORT XP) + 2,4-D; CHLORSULFURON (TELAR) +; METSULFURON + CHLORSULFURON (CIMARRON X-TRA)
<i>ELAEAGNUS ANGUSTIFOLIA</i>	RUSSIAN OLIVE	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL), IMAZAPYR	TRICLOPYR (GARLON 4, REMEDY)
<i>POA BULBOSA</i>	BULBOUS BLUEGRASS	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL)	GLYPHOSATE (ROUNDUP), RIMSULFURON (MATRIX), SULFOMETURON METHYL (LANDMARK XP), OR SULFOSULFURON (OUTRIDER)
<i>TANACETUM VULGARE</i>	COMMON TANSY	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL)	AMINOCYCLOPYRACHLOR + CHLORSULFURON (PERSPECTIVE); AMINOPYRADLID + METSULFURON (OPENSIGHT); OR METSULFURON (ESCORT XP)
<i>ULMUS PUMILA</i>	SIBERIAN ELM	GLYPHOSATE (RODEO – APPROVED AQUATIC LABEL), IMAZAPYR	TRICLOPYR, GLYPHOSATE, IMAZAPYR, AMINOCYCLOPYRACHLOR + IMAZAPYR + METSULFURON METHYL

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PLANTING SCHEDULE

SEED MIXES

Zone 3: Native Upland Seed Mix (approximately 11,852 SF)						
Scientific Name	Common Name	Recommended Variety	Percent mix	Broadcast Seeds/sq ft	Seed Weight per PLS/lb	PLS LB Seed/ac
<i>Achnatherum hymenoides</i>	Indian ricegrass	Rimrock	5	7	181,741	1.68
<i>Asclepias hallii</i>	Hall's milkweed		2.5	3.5	57,000	2.67
<i>Bouteloua gracilis</i>	blue grama		7.5	10.5	724,000	0.63
<i>Bromus marginatus</i>	mountain brome	Garnet	18	25.2	104,843	10.47
<i>Cleome serrulata</i>	Rocky Mountain beeplant		2.5	3.5	87,250	1.75
<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>	thickspike wheatgrass	Critana	12	16.8	155,350	4.71
<i>Elymus trachcaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass	San Luis; Pryor	15	21	147,500	6.20
<i>Festuca idahoensis</i>	Idaho fescue	Joseph	7	9.8	472,500	0.90
<i>Heliomeris multiflora</i>	showy Goldeneye		2.5	3.5	566,875	0.27
<i>Pascopyron smithii</i>	western wheatgrass	Arriba; Rosana	18	25.2	133,000	8.25
<i>Poa palustris</i>	fowl wheatgrass	vns	5	7	2,078,000	0.15
<i>Pseudoroegneria spicata</i>	bluebunch wheatgrass	Secar	5	7	140,000	2.18
Total			100	140		39.86

Zone 1 & 2: Native Wetland & Riparian Seed Mix (approximately 12,435 SF)						
Scientific Name	Common Name	Recommended Variety	Percent mix	Broadcast Seeds/sq ft	Seed Weight per PLS/lb	PLS LB Seed/ac
<i>Calamagrostis canadensis</i>	bluejoint reedgrass	vns	10	14	4,114,583	0.15
<i>Deschampsia cespitosa</i>	tufted hairgrass	vns	12	16.8	1,276,000	0.57
<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i>	streambank wheatgrass	Streamcrest	15	21	161,500	5.66
<i>Elymus trachcaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass	San Luis; Pryor	7	9.8	147,500	2.89
<i>Gallardia aristata</i>	blanket flower	vns	2.5	3.5	132,000	1.16
<i>Glyceria striata</i>	fowl mannagrass	vns	10	14	170,000	3.59
<i>Agastache urticifolia</i>	netleaf giant hyssop	vns	2.5	3.5	485,268	0.31
<i>Juncus arcticus</i> ssp. <i>littoralis</i>	mountain rush	vns	5	7	6,950,000	0.04
<i>Juncus ensifolius</i>	threestem rush	vns	4	5.6	13,457,000	0.02
<i>Juncus torreyi</i>	Torrey rush	vns	5	7	12,150,000	0.03
<i>Nassella viridula</i>	green needlegrass	Lodorm	7	9.8	152,117	2.81
<i>Penstemon strictus</i>	Rocky Mountain penstemon	Bandera	2.5	3.5	692,000	0.22
<i>Poa palustris</i>	fowl wheatgrass	vns	12	16.8	2,078,000	0.35
<i>Solidago canadensis</i>	Canada goldenrod	vns	2.5	3.5	700,000	0.22
<i>Triglochin maritima</i>	arrowgrass	vns	3	4.2	469,000	0.39
Total			100	140		18.41

Native Swale Seed Mix (approximately 4,562 SF)						
Scientific Name	Common Name	Recommended Variety	Percent mix	Broadcast Seeds/sq ft	Seed Weight per PLS/lb	PLS LB Seed/ac
<i>Agastache urticifolia</i>	netleaf giant hyssop	vns	2.5	3.5	485,268	0.31
<i>Beckmannia syzigachne</i>	American slough grass	vns	5	7	240,000	1.27
<i>Deschampsia cespitosa</i>	tufted hairgrass	vns	16	22.4	1,276,000	0.76
<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i>	streambank wheatgrass	Streamcrest	16	22.4	161,500	6.04
<i>Elymus trachcaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass	San Luis; Pryor	7	9.8	147,500	2.89
<i>Gallardia aristata</i>	blanket flower	vns	2.5	3.5	132,000	1.16
<i>Juncus arcticus</i> ssp. <i>littoralis</i>	mountain rush	vns	5	7	6,950,000	0.04
<i>Juncus ensifolius</i>	threestem rush	vns	5	7	13,457,000	0.02
<i>Nassella viridula</i>	green needlegrass	Lodorm	7	9.8	152,117	2.81
<i>Penstemon strictus</i>	Rocky Mountain penstemon	Bandera	2.5	3.5	692,000	0.22
<i>Poa palustris</i>	fowl wheatgrass	vns	17	23.8	2,078,000	0.50
<i>Solidago canadensis</i>	Canada goldenrod	vns	2.5	3.5	700,000	0.22
<i>Triglochin maritima</i>	arrowgrass	vns	12	16.8	469,000	1.56
Total			100	140		17.81

Willow Planting (approximately 1,780 total plants)						
Scientific Name	Common Name	Size	Recommended Spacing	Number	Unit	Total Plant Number
<i>Salix exigua</i>	Coyote Willow	4-5 ft cutting	Trenched (60% of total)	4	Per linear foot	1068
<i>Salix ligulifolia</i>	Strapleaf Willow	4-5 ft cutting	Trenched (40% of total)	4	Per linear foot	712

Bioengineering							
Type	Scientific Name	Common Name	Size	Unit	Number	Willows Per Unit	Total Willows
Willow Cutting in Bank Stabilization	Salix exigua (60%); Salix ligulifolia (40%)	Coyote Willow and Strapleaf Willow	4-5 ft cutting	Per linear foot	467	2	934 Willows
Fascines	Salix exigua (60%); Salix ligulifolia (40%)	Coyote Willow and Strapleaf Willow	4-5 ft cutting	Per 5' Fascine	30	40	1200 Willows

PLANTING SCHEDULE

Zones 2 & 3: Native Riparian and Upland Plantings (approximately 20,416 SF)			
Scientific Name	Common Name	Recommended Container Size	Plant Number
Trees			
<i>Picea pungens</i>	Colorado Blue spruce	#15 Cont.*	6
<i>Pinus ponderosa</i>	Ponderosa pine	#15 Cont.*	6
<i>Populus angustifolia</i>	Narrowleaf Cottonwood	#15 Cont.*	11
<i>Populus fremontii</i>	Fremont Cottonwood	D60 Deep	15
Small Trees & Shrubs			
<i>Acer glabrum</i>	Rocky Mountain Maple	D60	3
<i>Alnus incana</i> ssp. <i>tenuifolia</i>	Thinleaf Alder	D60	3
<i>Betula occidentalis</i>	Water Birch	D60	7
<i>Cornus sericea</i>	Redosier Dogwood	D60	10
<i>Crataegus rivularis</i>	River Hawthorne	D60	4
<i>Dasiphora fruticosa</i>	Shrubby Cinquefoil	D60	3
<i>Prunus virginia</i> ssp. <i>melanocarpa</i>	Black Chokecherry	D60	2
<i>Peraphyllum ramosissimum</i>	Wild Crab Apple	D60	5
<i>Philadelphus microphyllus</i>	Littleleaf Mock Orange	D60	3
<i>Rhus trilobata</i>	Threeleaf Sumac	D60	2
<i>Ribes aureum</i>	Golden Currant	D60	20
<i>Rosa woodsii</i>	Woods' Rose	D60	26
<i>Shepherdia argentea</i>	Silver Buffaloberry	D60	9
Total Zones 2 & 3 Plants			135

Zone 1: Native Wetland Mix (approximately 2,915 SF)			
Scientific Name	Common Name	Recommended Container Size	Plant Number
Wetland Graminoids (plugs)			
<i>Carex nebrascensis</i>	Nebraska Sedge	10 ci (cubic inch)	110
<i>Eleocharis palustris</i>	Creeping Spikerush	10 ci (cubic inch)	110
<i>Glyceria striata</i>	Fowl Mannagrass	10 ci (cubic inch)	224
<i>Juncus arcticus</i> ssp. <i>littoralis</i>	Mountain Rush (Baltic Rush)	10 ci (cubic inch)	170
<i>Juncus ensifolius</i>	Three-stamened Rush	10 ci (cubic inch)	110
<i>Juncus toreii</i>	Torey's Rush	10 ci (cubic inch)	102
<i>Scirpus microcarpus</i>	Smallflowered Bulrush	10 ci (cubic inch)	170
<i>Triglochin maritima</i>	Arrowgrass	10 ci (cubic inch)	102
Total Wetland Plants			842

Swale Plant Mix (approximately 4,562 SF)			
Scientific Name	Common Name	Recommended Container Size	Plant Number
Shrubs			
<i>Ribes aureum</i>	Golden Currant	D60	21
<i>Rosa woodsii</i>	Woods' Rose	D60	21
<i>Salix exigua</i>	Narrowleaf Willow	D60	126
<i>Shepherdia argentea</i>	Silver Buffaloberry	D60	26
Wetland Graminoids			
<i>Beckmannia syzigachne</i>	American Slough Grass	plug	28
<i>Juncus arcticus</i> ssp. <i>littoralis</i>	Mountain Rush (Baltic rush)	plug	28
<i>Triglochin maritima</i>	Arrowgrass	plug	28
Total Swale Mix			278

Mulch (21 CY)						
Type	Plantings	Size	Much Ring Diameter	Plants	Unit	Quantity
Finely Shredded Cedar Mulch	Trees	#15 Cont.	Approx. 5-ft	38	CY	5
Finely Shredded Cedar Mulch	Small Trees and Shrubs	D60	Approx. 3-ft	375	CY	16

* ALL #15 CONTAINER DECIDUOUS TREES MUST HAVE A MINIMUM DBH CALIPER OF 2" AND ALL #15 EVERGREENS MUST BE MINIMUM 6' TALL. IF CONTAINER TREES DO NOT MEET THIS CRITERIA, B&B TREES MUST BE USED INSTEAD WITH APPROVAL OF LANDSCAPE ARCHITECT.

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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

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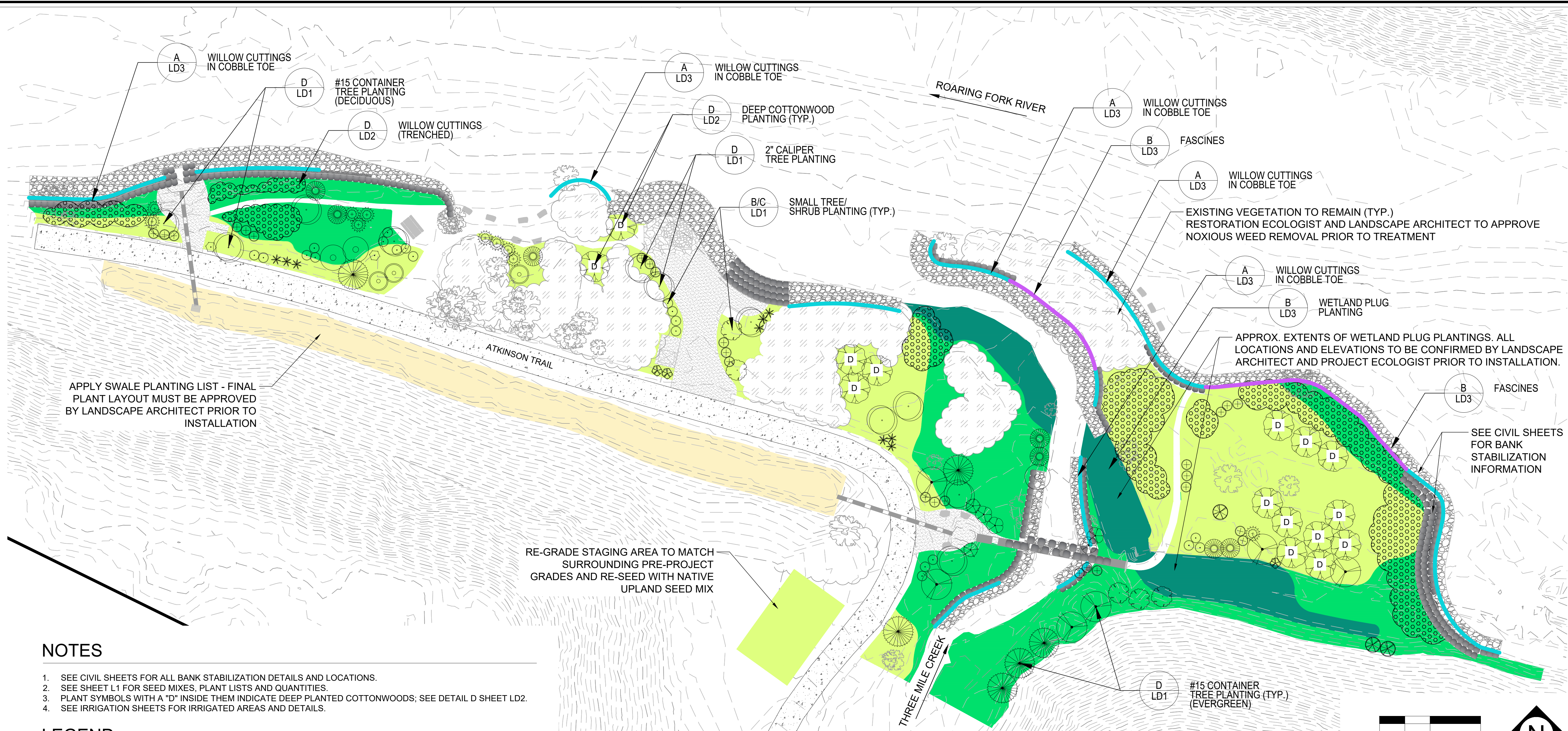
THREE MILE CONFLUENCE

PLANTING SCHEDULES

JOB NO.
191-025.000
REVISION NO.

SHEET NO.
L3

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NOTES

1. SEE CIVIL SHEETS FOR ALL BANK STABILIZATION DETAILS AND LOCATIONS.
2. SEE SHEET L1 FOR SEED MIXES, PLANT LISTS AND QUANTITIES.
3. PLANT SYMBOLS WITH A "D" INSIDE THEM INDICATE DEEP PLANTED COTTONWOODS; SEE DETAIL D SHEET LD2.
4. SEE IRRIGATION SHEETS FOR IRRIGATED AREAS AND DETAILS.

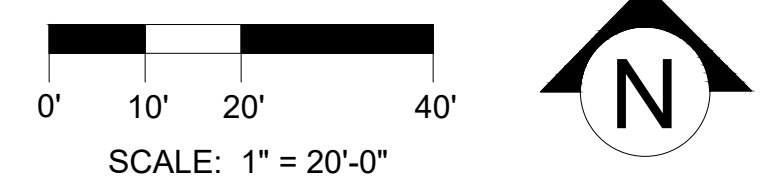
LEGEND

APPROX. REVEGETATION AREAS	QUANTITY
	ZONE 1 NATIVE WETLAND PLANTINGS
	ZONE 2 NATIVE RIPARIAN PLANTINGS
	ZONE 3 NATIVE UPLAND PLANTINGS
	SWALE PLANT MIX
	WILLOW STAKES (TRENCHED)
	WILLOW CUTTINGS IN BANK STABILIZATION
	WILLOW FASCINES

TREES	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
	<i>Populus fremontii</i>	Fremont Cottonwood	D60 Deep	15
	<i>Populus angustifolia</i>	Narrow Leaf Cottonwood	#15 *	11
	<i>Picea pungens</i>	Colorado Blue Spruce	#15 *	6
	<i>Pinus ponderosa</i>	Ponderosa Pine	#15 *	6
SMALL TREES & SHRUBS				
	<i>Acer glabrum</i>	Rocky Mountain Maple	D60	3
	<i>Alnus incana ssp. tenuifolia</i>	Thinleaf Alder	D60	3
	<i>Betula occidentalis</i>	Western River Birch	D60	7
	<i>Peraphyllum ramosissimum</i>	Wild Crab Apple	D60	5

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
	<i>Cornus sericea</i>	Redosier Dogwood	D60	10
	<i>Crataegus rivularis</i>	River Hawthorne	D60	4
	<i>Dasiphora fruticosa</i>	Shrubby Cinquefoil	D60	3
	<i>Philadelphus microphyllus</i>	Littleleaf Mock Orange	D60	3
	<i>Prunus virginia ssp. melanocarpa</i>	Black Chokecherry	D60	2
	<i>Rhus trilobata</i>	Threeleaf Sumac	D60	2
	<i>Ribes aureum</i>	Golden Currant	D60	20
	<i>Rosa woodsii</i>	Woods' Rose	D60	26
	<i>Shepherdia argentea</i>	Silver Buffaloberry	D60	9

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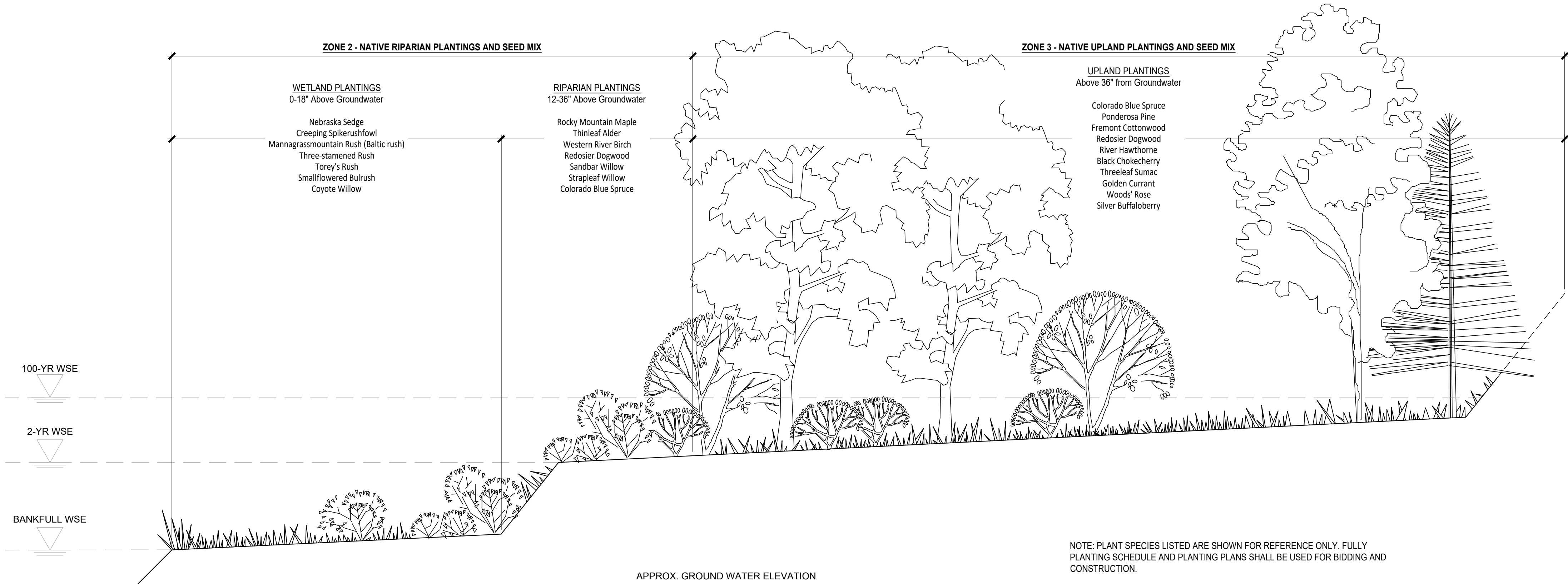
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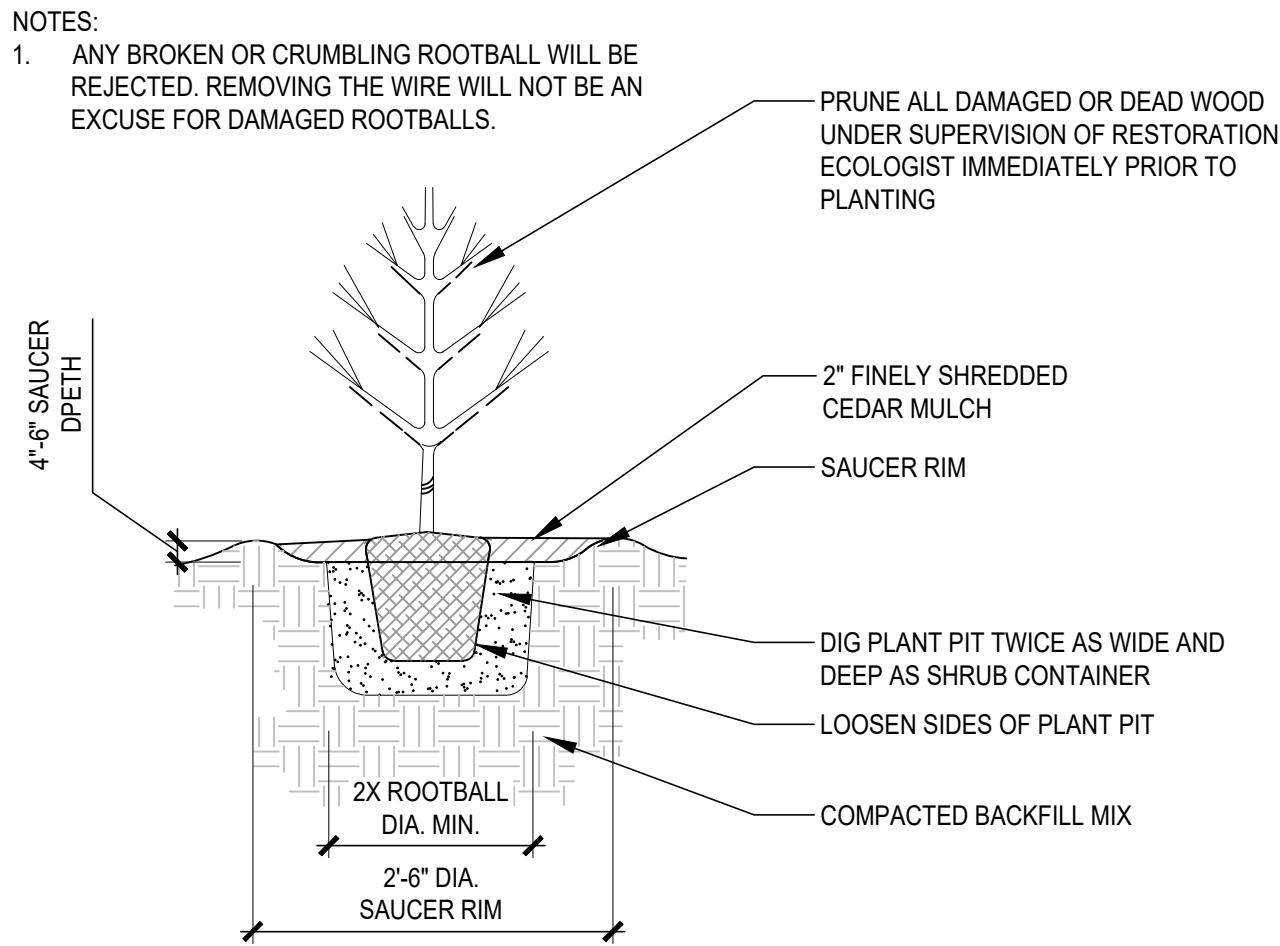
THREE MILE CONFLUENCE

LANDSCAPE PLAN

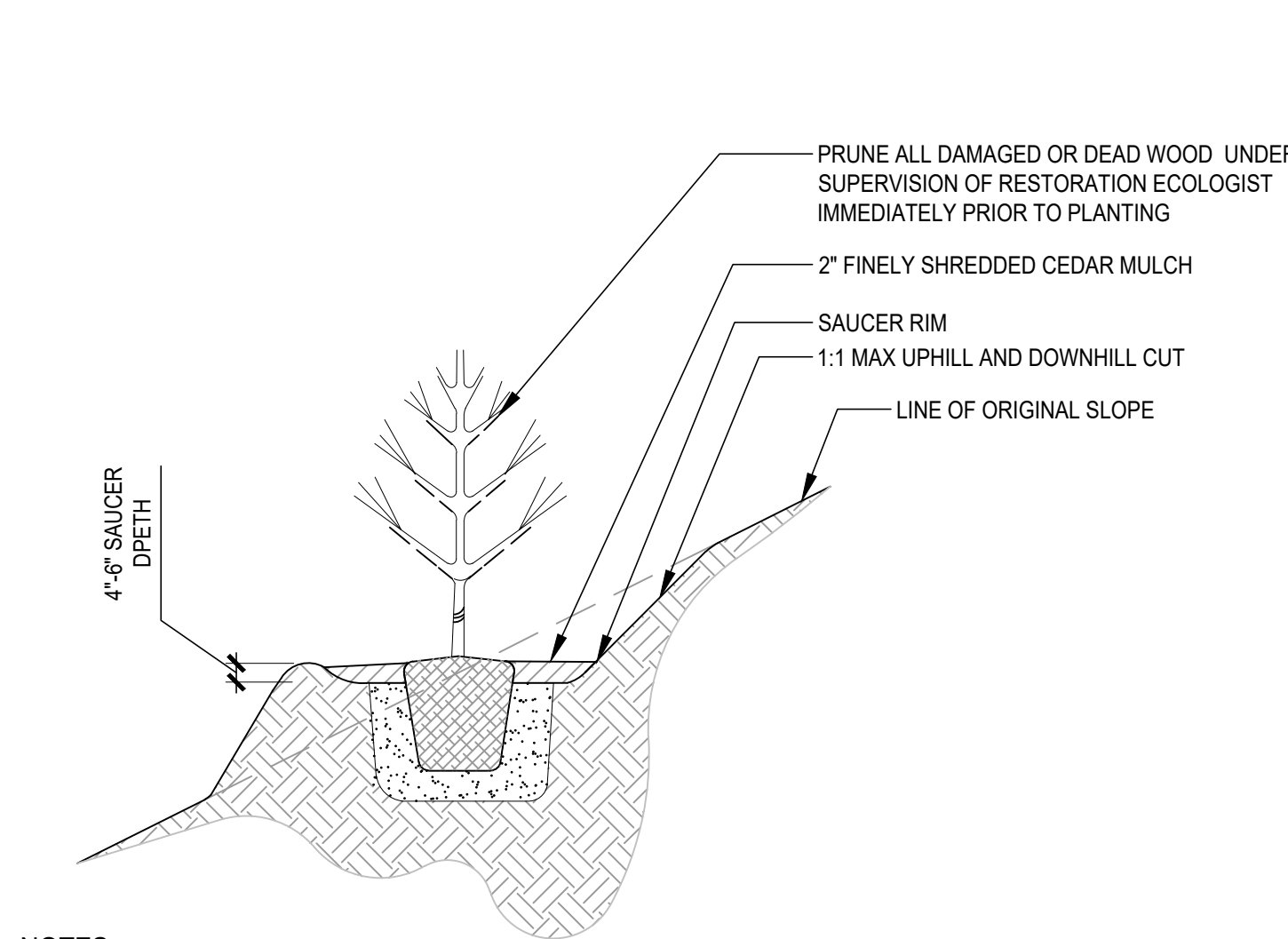
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REVISION NO.	
SHEET NO.	L4



A
LD1
TYPICAL REVEGETATION SECTION
SCALE: 1"= 1'-0"

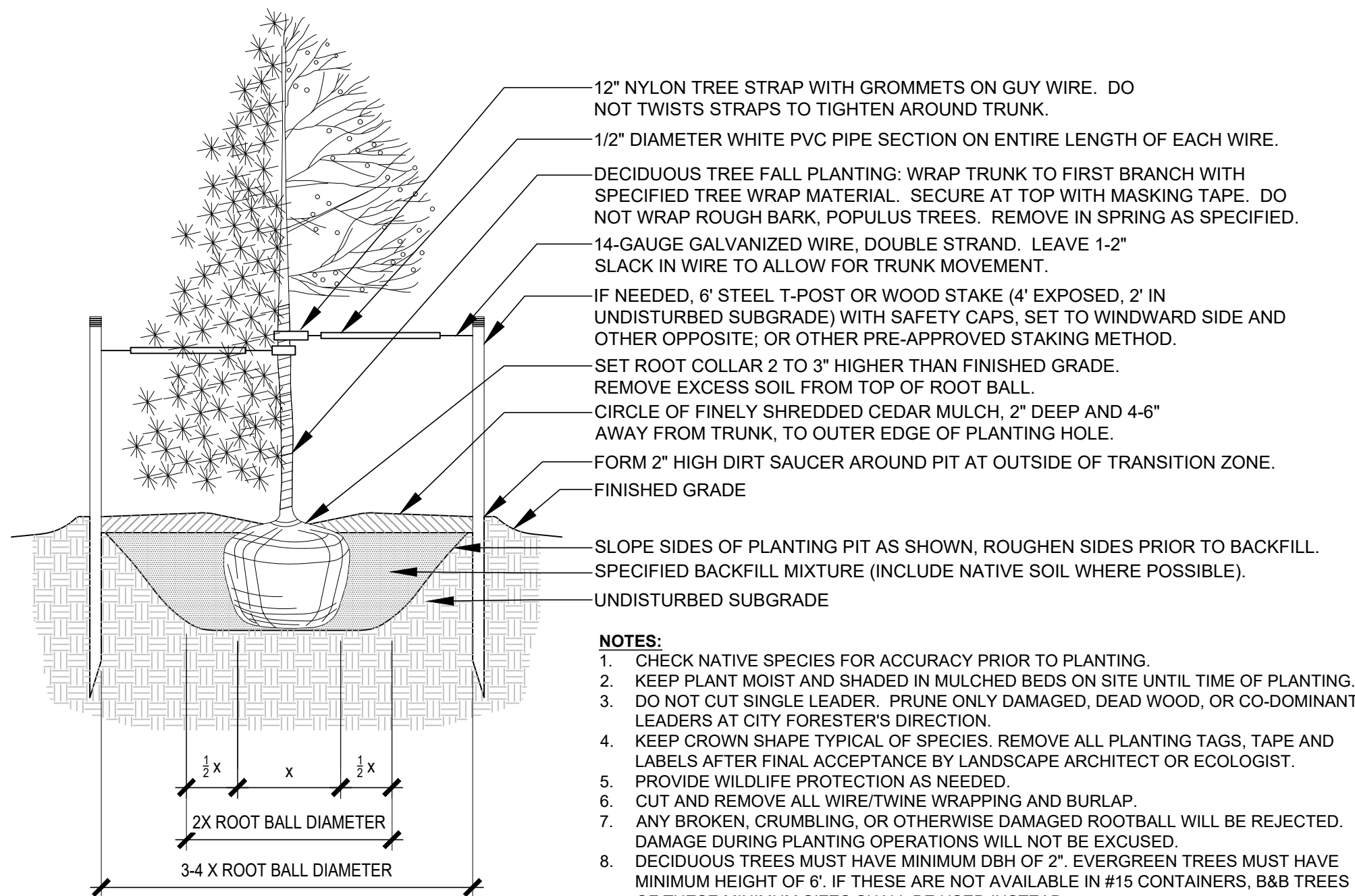


B
LD1
SMALL TREE/SHRUB PLANTING
SCALE: N.T.S.



- NOTES:
1. WATER PREPARED PLANTING HOLES PER THE PLANTING NOTES.
 2. PLANT CONTAINERS PER PLANTING NOTES.
 3. ANY BROKEN OR CRUMBLING ROOTBALL WILL BE REJECTED. REMOVING THE WIRE WILL NOT BE AN EXCUSE FOR DAMAGED ROOTBALLS.

C
LD1
SMALL TREE/SHRUB PLANTING ON SLOPE
SCALE: N.T.S.



D
LD1
#15 CONTAINER TREE PLANTING
SCALE: 1/2"= 1'-0"

DT-filename.dwg

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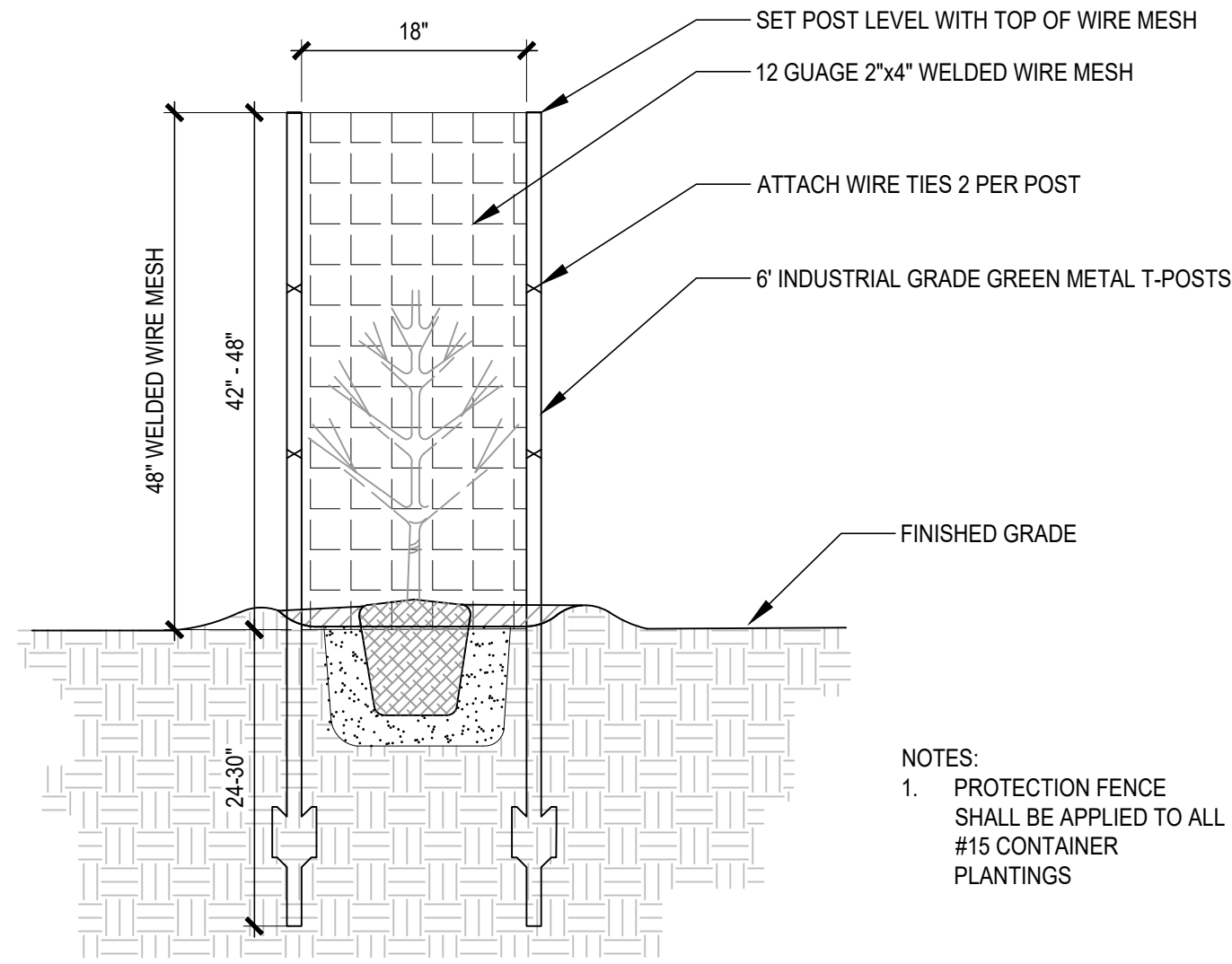
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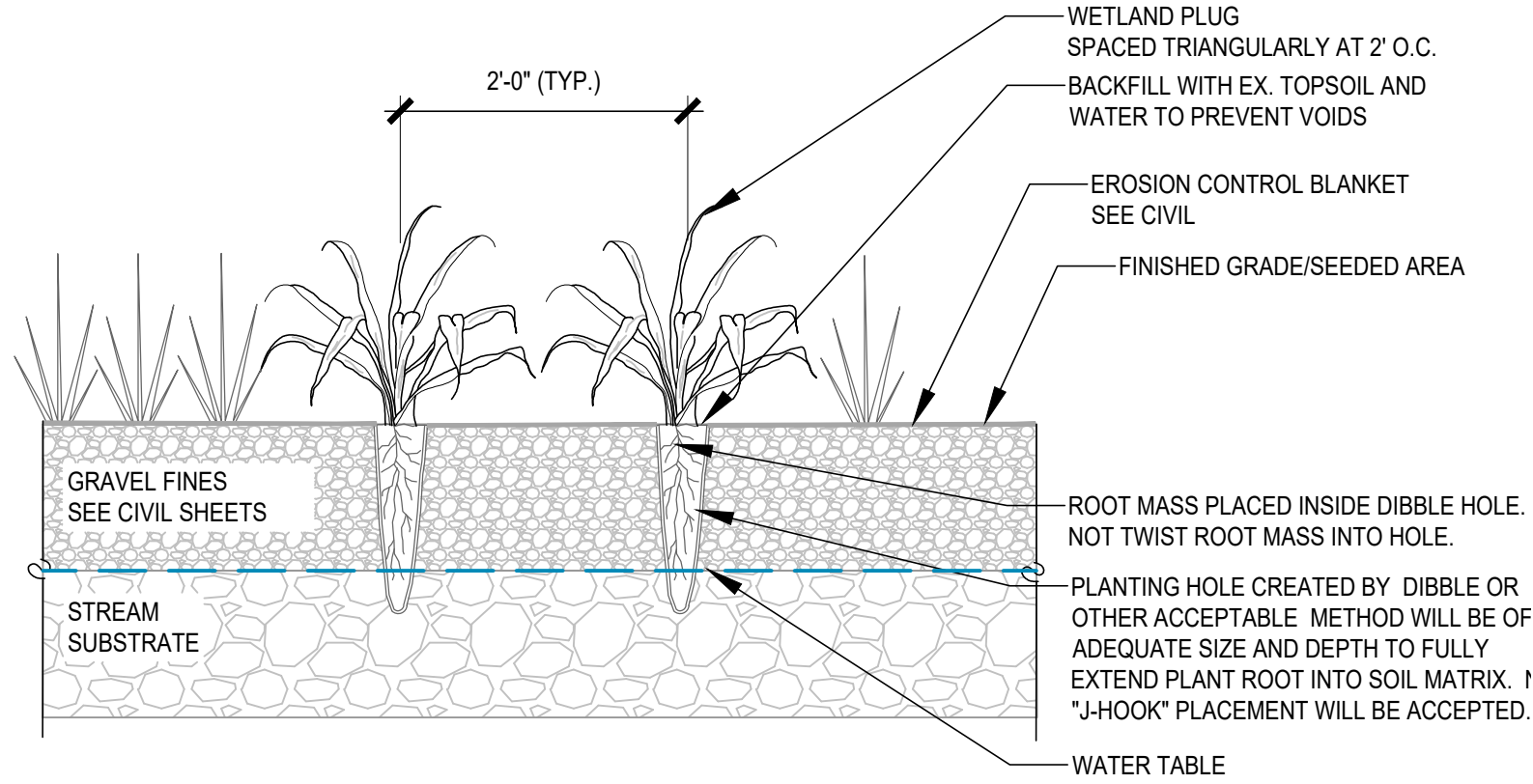
THREE MILE CONFLUENCE

LANDSCAPE DETAILS

JOB NO. 191-025.000
REVISION NO. ----
SHEET NO. LD1

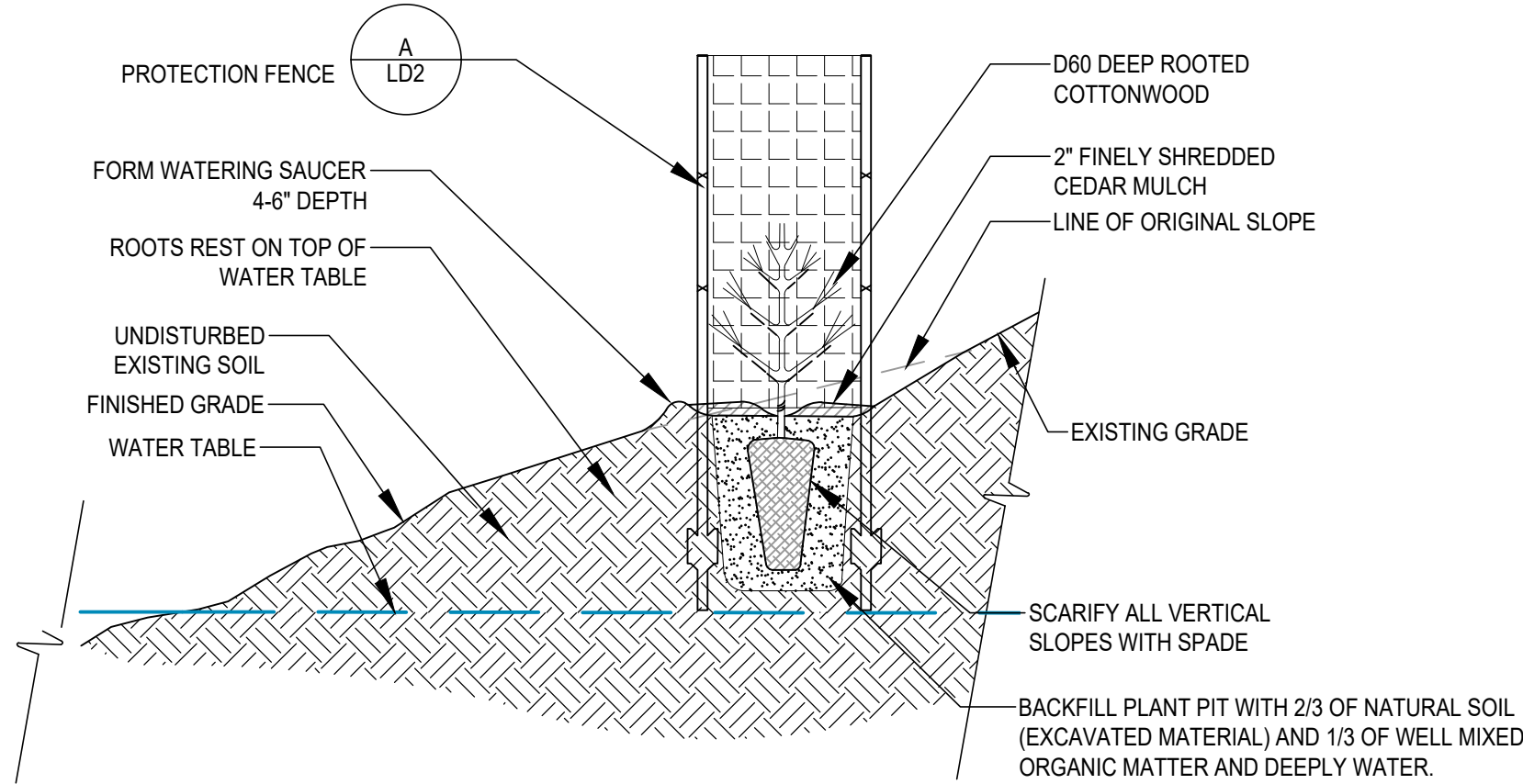


A
LD2
PROTECTION FENCE
SCALE: N.T.S.



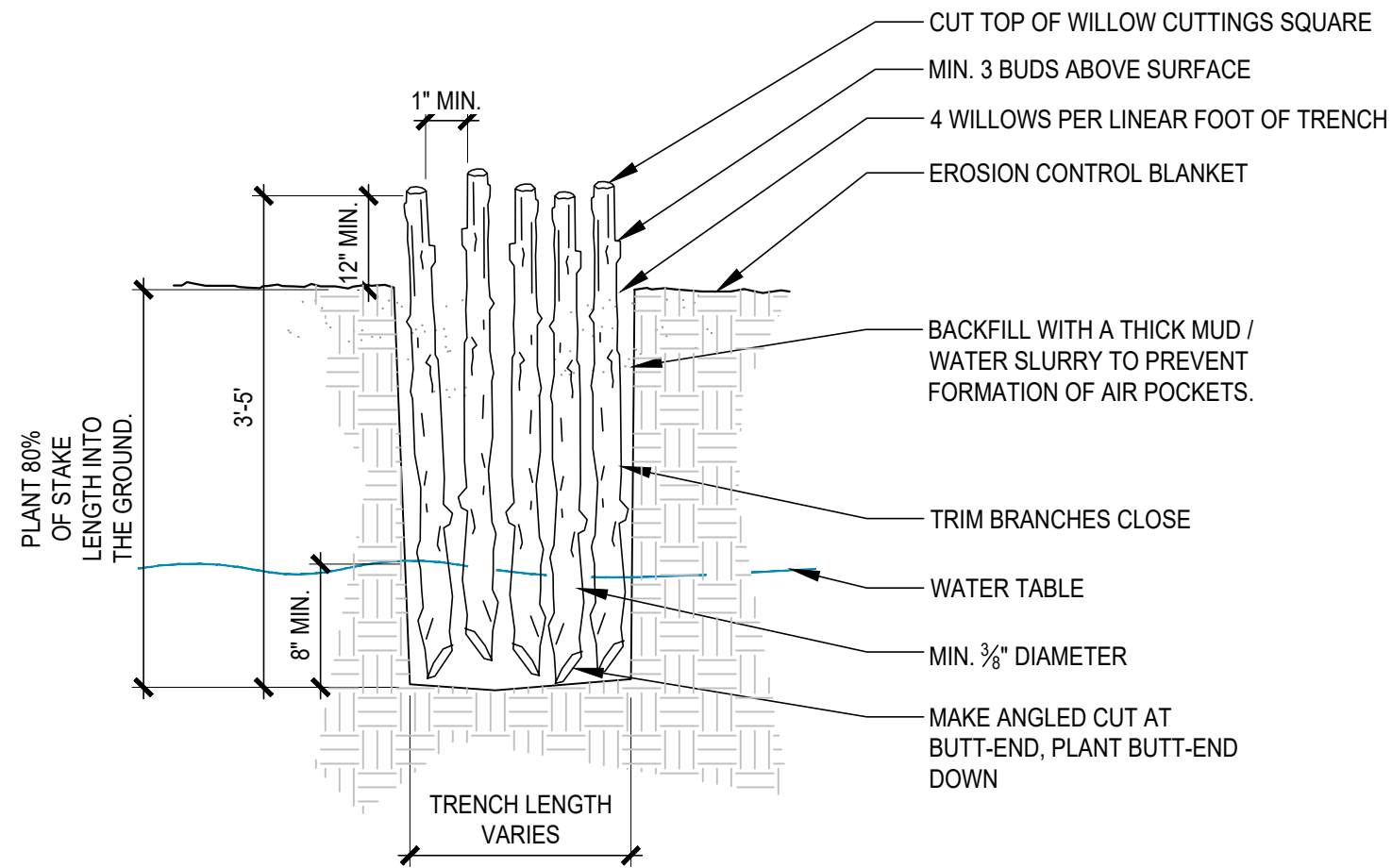
B
LD2
WETLAND PLUG PLANTING
SCALE: N.T.S. DT-filename.dwg

- NOTES
1. RESTORATION ECOLOGIST TO CHECK NURSERY STOCK FOR SPECIES CORRECTNESS PRIOR TO PLANTING.
 2. PLANTING LOCATIONS SHOULD BE STAKED BY LANDSCAPE CONTRACTOR AND CHECKED BY ECOLOGIST AND LANDSCAPE ARCHITECT PRIOR TO PLANTING.
 3. EXCAVATE HOLES TO WATER TABLE AND ALLOW TIME FOR WATER LEVEL TO STABILIZE BEFORE PLANTING TREES. PROJECTS WITH LONG TERM USE OF DEWATERING TRENCHES (OVER 2 WEEKS) MAY TAKE SEVERAL WEEKS FOR THE GROUND WATER TO STABILIZE ON THE SITE AFTER WATER IS RETURNED.
 4. KEEP ALL PLANTS MOIST AND SHADE IN MULCHED BEDS ON SITE UNTIL TIME OF PLANTING.
 5. PLANT TREE SO THAT NO MORE THAN 1/3 OF TRUNK IS BELOW GROUND AND TRIM LOWER BRANCHES AS NEEDED.
 6. DO NOT CUT OR DAMAGE LEADER.
 7. PRUNE ALL DAMAGED OR DEAD WOOD AFTER PLANTING, STAKING AND MULCHING.
 8. KEEP CROWN SHAPE TYPICAL OF SPECIES.
 9. DEEPLY WATER TREE ONCE INSTALLED AND CONSIDER INSTALLING WATER TUBE IF SOIL IS SANDY.
 10. REMOVE ALL PLANTING TAGS, TAPE AND LABELS AFTER FINAL ACCEPTANCE BY RESTORATION ECOLOGIST.



C
LD2
DEEP COTTONWOOD PLANTING
SCALE: N.T.S. DT-filename.dwg

- NOTES:
1. HARVEST AND PLANT CUTTINGS DURING THE DORMANT SEASON.
 2. USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST ONE YEAR OLD.
 3. MAKE CLEAN CUTS AND DO NOT DAMAGE CUTTINGS OR SPLIT ENDS DURING INSTALLATION.
 4. SOAK CUTTINGS FOR 5-7 DAYS PRIOR TO INSTALLATION.
 5. TRENCH 10' A PART PERPENDICULAR TO RIVER FLOW IN ALL AREAS IDENTIFIED ON PLANS
 6. BACKFILL WITH ONSITE SOIL, WATER AND TAMP THE SOIL AROUND THE CUTTINGS AFTER INSTALLATION.



D
LD2
WILLOW CUTTINGS (TRENCHED)
SCALE: 3/4"=1'-0"



WILLOW CUTTINGS (TRENCHED) EXAMPLE

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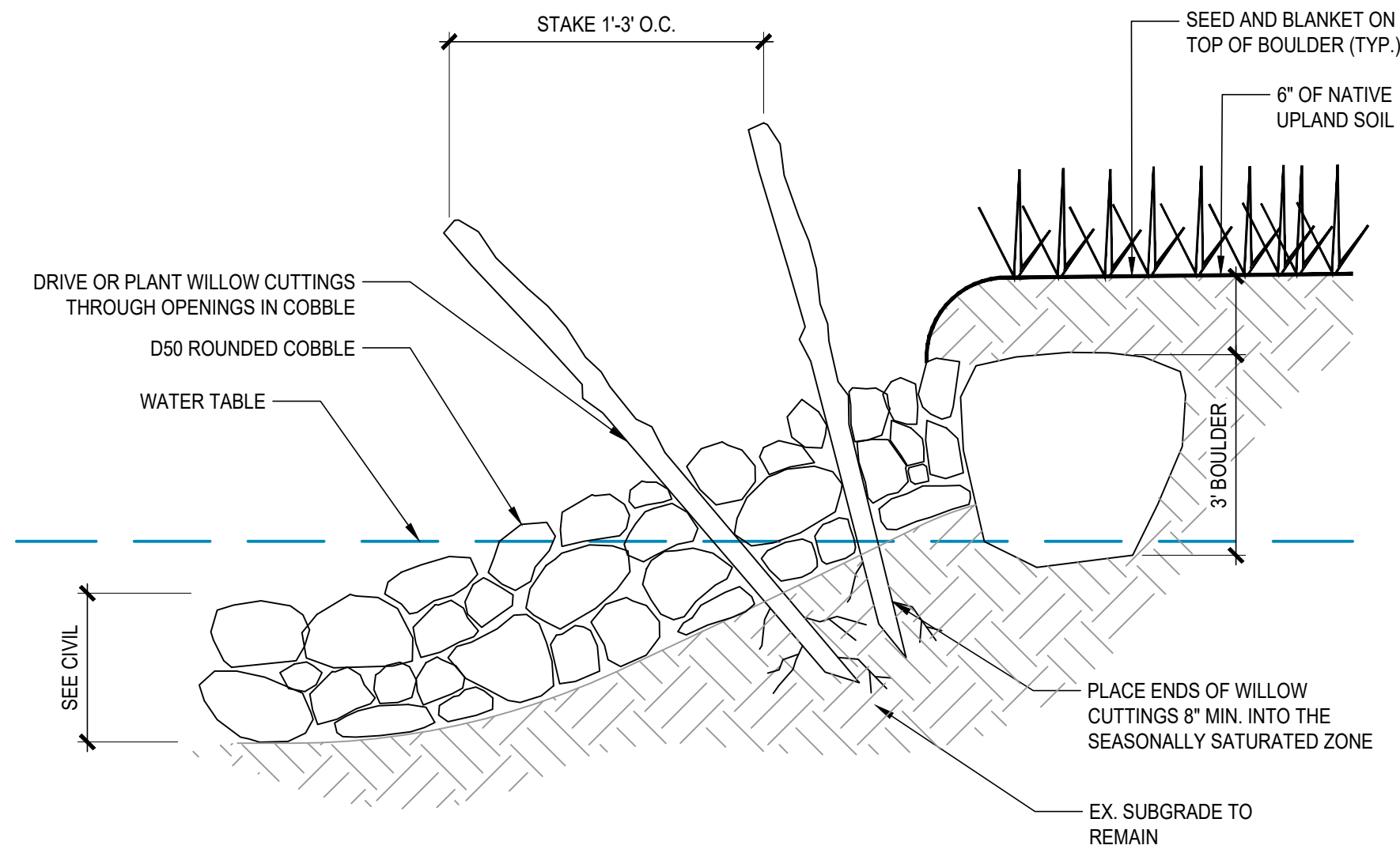
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THREE MILE CONFLUENCE

LANDSCAPE DETAILS

JOB NO. 191-025.000
REVISION NO. ----
SHEET NO. LD2

- NOTES:
1. INTEGRATE CUTTINGS PLANTING TECHNIQUES DURING ROCK PLACEMENT TO ENSURE CONTACT WITH NATIVE GROUND.
 2. PLACE SOIL FILL AROUND CUTTINGS AND 'WATER IN'
 3. 2 CUTTINGS PER LINEAR FOOT OF BANK STABILIZATION - SEE CIVIL FOR DETAILS

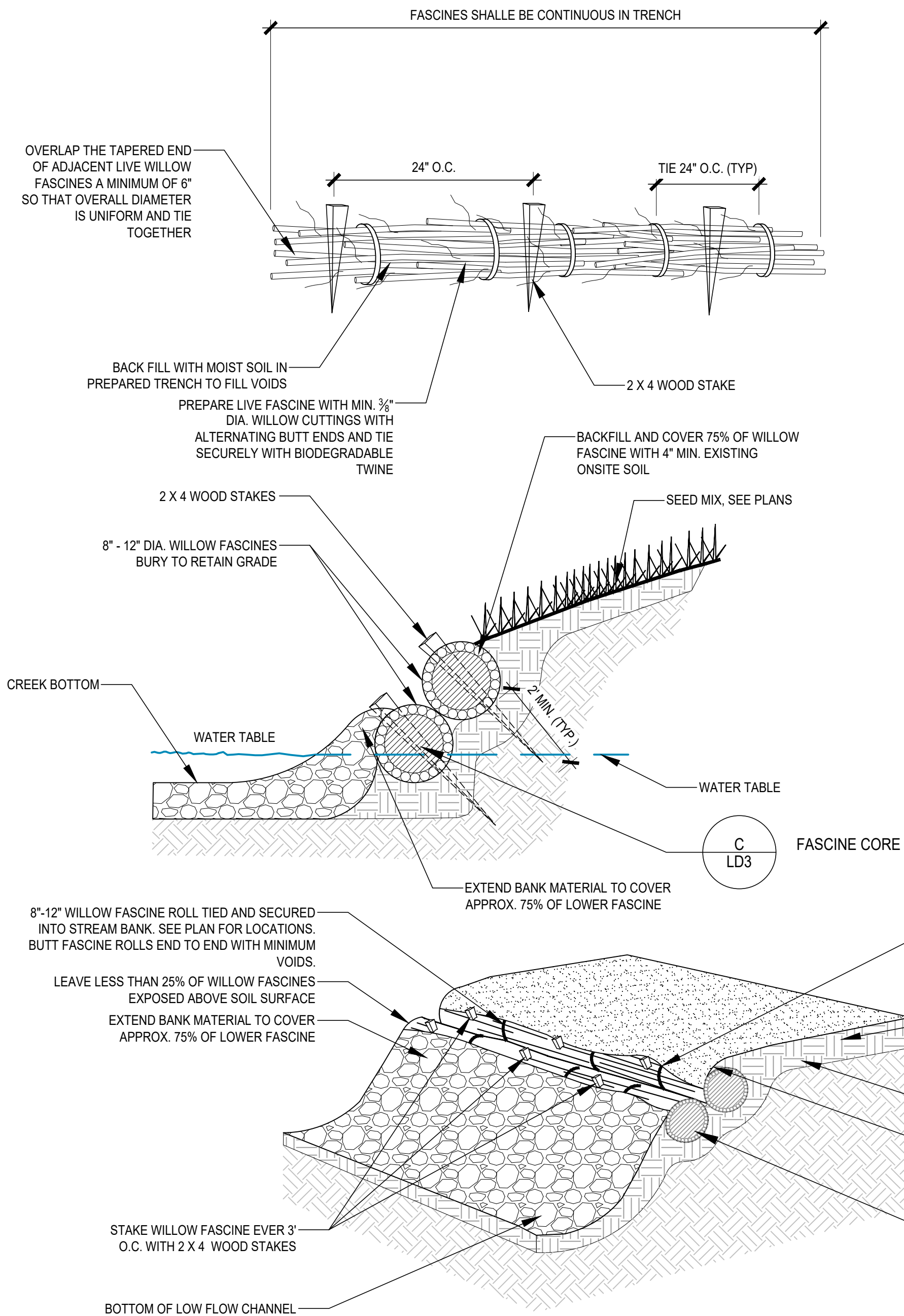


A
LD3

WILLOW CUTTINGS IN BANK STABILIZATION
SCALE: N.T.S.



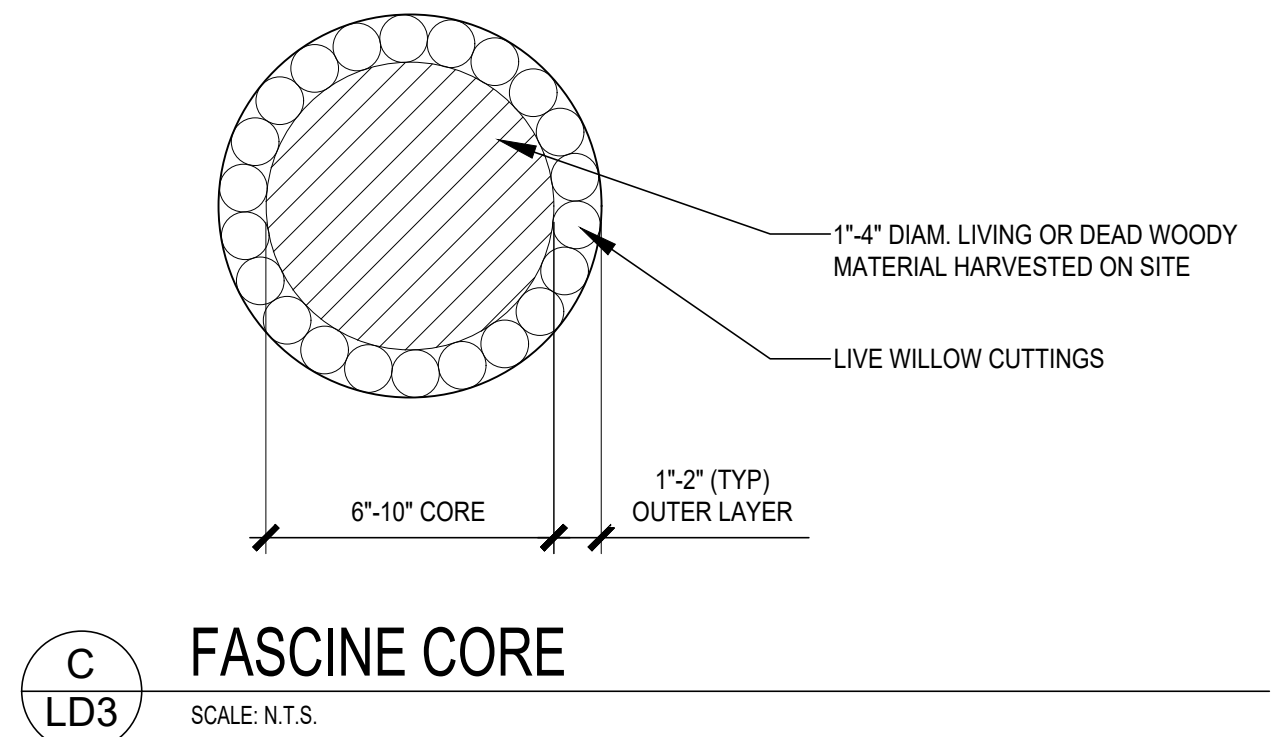
WILLOW CUTTINGS IN BANK STABILIZATION



- NOTES:
1. FASCINES SHALL ONLY BE INSTALLED IN CONJUNCTION WITH BANK STABILIZATION #4 & 5 (THREE MILE CREEK). SEE CIVIL SHEETS.
 2. MAKE CLEAN CUTS AND DO NOT DAMAGE CUTTINGS OR SPLIT ENDS
 3. DURING INSTALLATION USE A PILOT BAR IN FIRM SOILS.
 4. TAMP THE SOIL AROUND THE STAKE / OR BACK FILL WITH MUD SLURRY.
 5. COLLECT WILLOWS FROM ON-SITE TO CONSTRUCT WILLOW FASCINES.
 6. 30 LIVE WILLOW CUTTINGS PER 5' FASCINE.

B
LD3

FASCINES
SCALE: N.T.S.



C
LD3

FASCINE CORE
SCALE: N.T.S.

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SCALE		

IRRIGATION LEGEND

SLEEVES:CLASS 200 PVC

POINT-OF-CONNECTION ASSEMBLY

MAINLINE PIPE:CLASS 200 PVC
2.5-INCH SIZE UNLESS OTHERWISE INDICATED

LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED

LATERAL PIPE TO BUBBLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED

UNCONNECTED PIPE CROSSING

REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
RAIN BIRD PEB (SIZED PER PLAN)

REMOTE CONTROL DRIP VALVE ASSEMBLY: RAIN BIRD XCZ-100-PRB-COM

LATERAL PIPE TO DRIP EMITTERS:UV RADIATION RESISTANT POLYETHYLENE
3/4-INCH SIZE UNLESS OTHERWISE INDICATED, ROUTING IS DIAGRAMMATIC

QUICK COUPLING VALVE ASSEMBLY: RAIN BIRD 5NP

ISOLATION GATE VALVE ASSEMBLY: NIBCO T-136

FLUSH CAP ASSEMBLY

DRAIN VALVE ASSEMBLY

BUBBLER ASSEMBLY: TWO (2) RAIN BIRD 1402 BUBBLERS
PRESSURE: 30 PSI
FLOW (GPM): 1.0 GPM PER ASSEMBLY

A1

14

1"

Turf

IRRIGATION CONTROLLER AND STATION NUMBER

VALVE DISCHARGE (GPM)

VALVE SIZE (INCHES)

LANDSCAPE TYPE

POP-UP GEAR DRIVEN ROTORS:HUNTER I-20-12-SS
PRESSURE: 45 PSI

NOZZLE	RADIUS	FLOW
1.5	31'	1.5 GPM
2.0	34'	2.0 GPM
2.5	35'	2.5 GPM
3.0	38'	3.0 GPM
4.0	40'	4.0 GPM
5.0	42'	5.0 GPM
6.0	43'	6.0 GPM
8.0	44'	8.0 GPM

POP-UP GEAR DRIVEN ROTORS:HUNTER PGJ-12
PRESSURE: 40 PSI

NOZZLE	RADIUS	FLOW
0.50	15'	0.5 GPM
0.75	16'	0.75 GPM
1.0	19'	1.0 GPM
1.5	22'	1.5 GPM
2.0	25'	2.0 GPM
2.5	28'	2.5 GPM
3.0	31'	3.0 GPM
4.0	33'	4.0 GPM

IRRIGATION CONSTRUCTION NOTES

1

THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE PREVIOUSLY INSTALLED IRRIGATION WATER TAP AND METER. ROUTE 2.5-INCH CLASS 200 PVC FROM PARK IRRIGATION WATER SUPPLY TO THIS LOCATION AS SHOWN. VERIFY ROUTING OF PIPE WITH OWNER'S REPRESENTATIVE BEFORE INSTALLING.

2

ROUTE IRRIGATION CONTROL WIRE FROM PARK IRRIGATION CONTROLLER TO THIS LOCATION FOR INSTALLATION WITH MAINLINE. INSTALL ONE (1) #12 AWG SPARE COMMON WIRE AND TWO (2) #14 AWG SPARE CONTROL WIRES.

3

IRRIGATION EQUIPMENT SHOWN OUT OF LANDSCAPED AREA FOR CLARITY ONLY. INSTALL ALL IRRIGATION COMPONENTS WITHIN LANDSCAPED AREA.

4

INSTALL 6-INCH SCHEDULE 80 SLEEVE AT THIS LOCATION TO CROSS THE RIVER. SLEEVE SHALL HAVE A MINIMUM DEPTH OF 24-INCHES. INSTALL 3-INCH HPDE 4710 SDR-11 MAINLINE PIPE THROUGH THE 6-INCH SCHEDULE 80 SLEEVE. ADAPT TO 2.5-INCH CLASS 200 PVC USING REDUCING FITTINGS AND FLANGES IN LANDSCAPE AREA. ROUTE CONTROL WIRE THROUGH SEPARATE 3-INCH CLASS 200 PVC SLEEVE.

IRRIGATION SYSTEM INSTALLATION GENERAL NOTES

1.

THE IRRIGATION SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE OF 70 PSI (PER CITY STAFF), AT A CORRESPONDING MAXIMUM DISCHARGE OF 50 GPM AT THE 2.5-INCH IRRIGATION POINT-OF-CONNECTION (POC). VERIFY DYNAMIC PRESSURE AND CORRESPONDING FLOW ON SITE PRIOR TO CONSTRUCTION.

2.

READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.

3.

COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

4.

DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

5.

THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:

A.

ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY, INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.

B.

TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLANS TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES.

C.

USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.

6.

THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. PIPE SLEEVES SHALL BE SIZED TWICE THE NOMINAL SIZE OF THE PIPE PASSING THROUGH.

7.

PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:

A.

TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.

B.

TWO (2) OF EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT, AND REPAIR OF ALL ROTARY SPRINKLERS.

8.

SELECT NOZZLES FOR SPRAY AND ROTARY SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY FOR THE SITE CONDITIONS. CAREFULLY ADJUST THE RADIUS OF THROW AND ARC OF COVERAGE OF EACH ROTARY SPRINKLER TO PROVIDE THE BEST PERFORMANCE.

9.

INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.

10.

THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.

11.

INSTALL ONE (1) #12 AWG COMMON CONTROL WIRE SPARE AND TWO (2) #14 AWG VALVE CONTROL WIRE SPARES ON STANDARD WIRE SYSTEMS. INSTALL SPARE WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE. COIL 3 FEET OF WIRE IN VALVE BOX. SPARE WIRES SHALL BE A DIFFERENT COLOR FROM ACTIVE CONTROL WIRES.

12.

NO MACHINE TRENCHING IS TO BE DONE WITHIN THE DRIPLINE OF EXISTING TREES. TRENCHING IS TO BE DONE BY HAND, AIR-SPADE OR BY TUNNELING UNDER ROOT SYSTEM BY METHOD APPROVED BY LANDSCAPE ARCHITECT. PIPING LAYOUT IS DIAGRAMMATIC AND PIPING SHALL BE ROUTED AROUND EXISTING TREES AS POSSIBLE TO AVOID DAMAGE TO THE ROOT SYSTEMS. DO NOT CUT ANY ROOT OVER 3/4" DIAMETER UNLESS APPROVAL FROM THE LANDSCAPE ARCHITECT IS FIRST OBTAINED. ANY CUTS MADE SHALL BE CLEAN AND WITHOUT FRAYED ENDS.

13.

ALL ROTORS SHALL BE LOCATED 12" FROM PAVEMENT, CURBS OR EDGE OF STRUCTURE WHERE SNOW REMOVAL WILL OCCUR. AT ALL OTHER LOCATIONS ROTORS SHALL BE LOCATED 6" FROM PAVEMENT, CURBS OR EDGE OF STRUCTURE. IF THERE IS ANY UNCERTAINTY CONSULT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.

14.

ALL ROTORS INSTALLED ADJACENT TO THE CREEK EDGE SHALL BE PLACED THE EQUAL THROW RADIUS FROM THE CREEK TO REACH THE EDGE OF THE CREEK.

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LANDSCAPE ARCHITECTURE

RAMBOLL

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THREE MILE CONFLUENCE

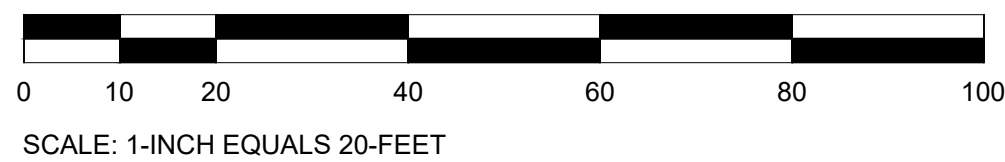
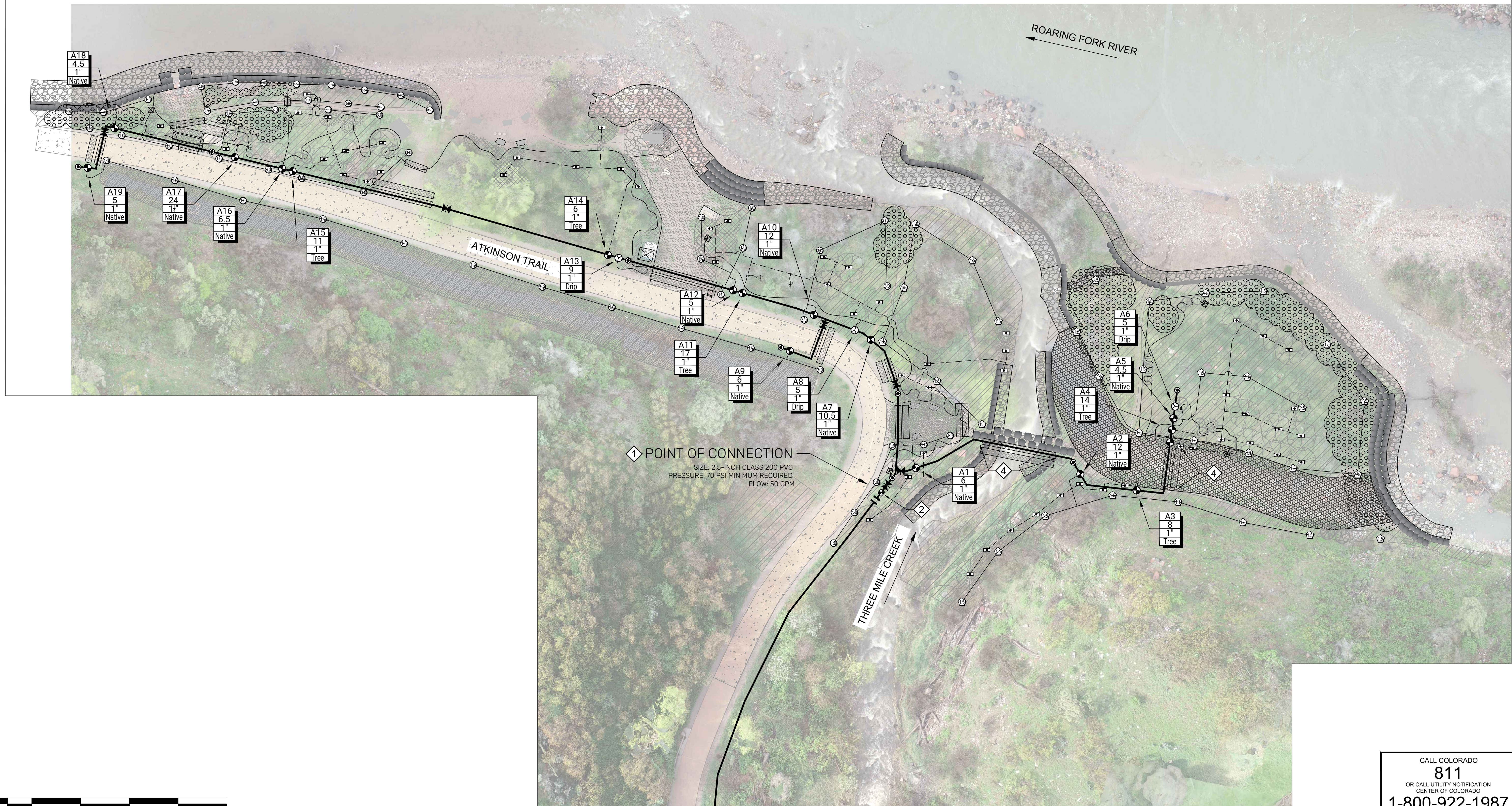
IRRIGATION LEGEND

JOB NO.
191-025.000

REVISION NO.

SHEET NO.
IR1

Packet Page 48



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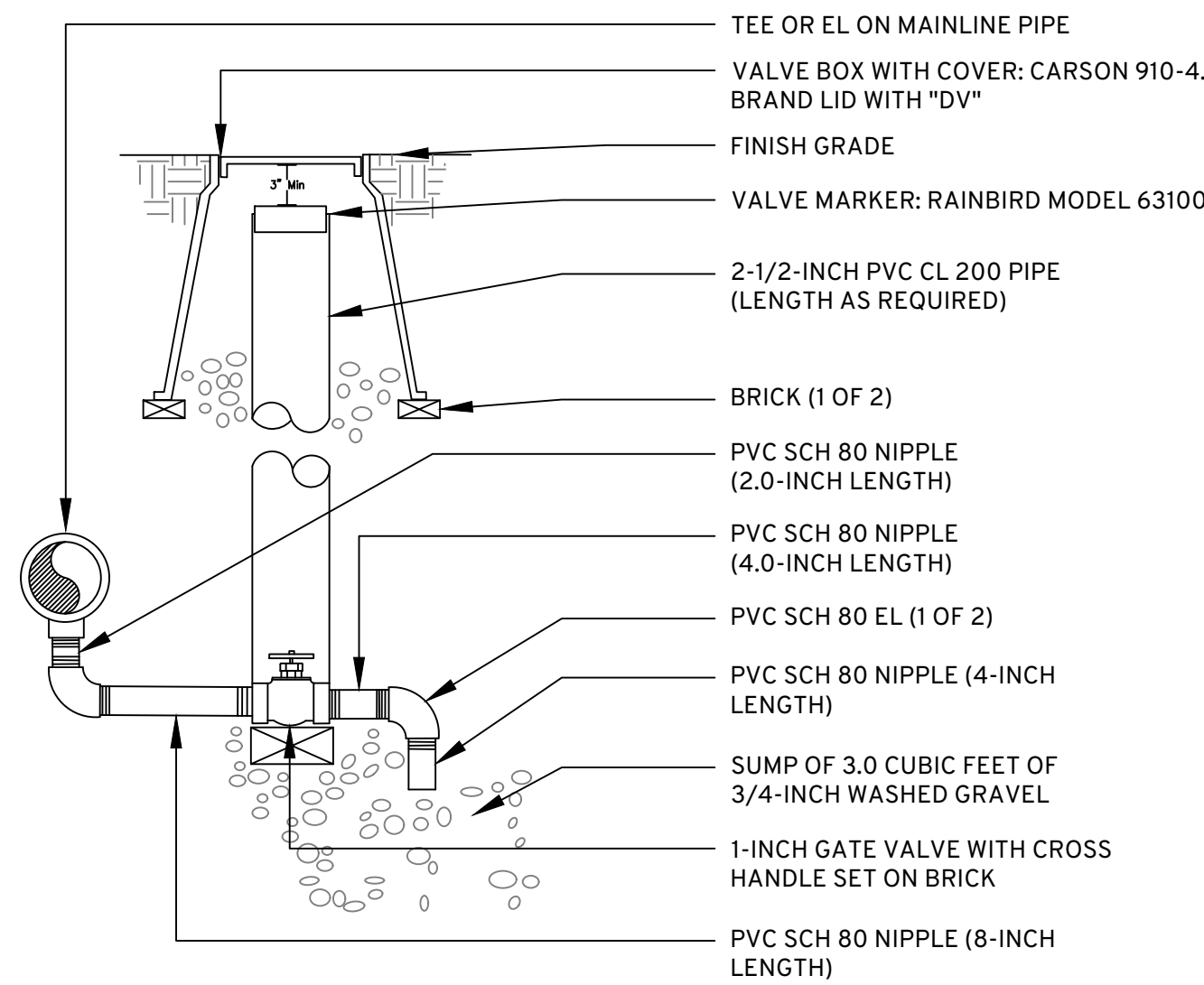
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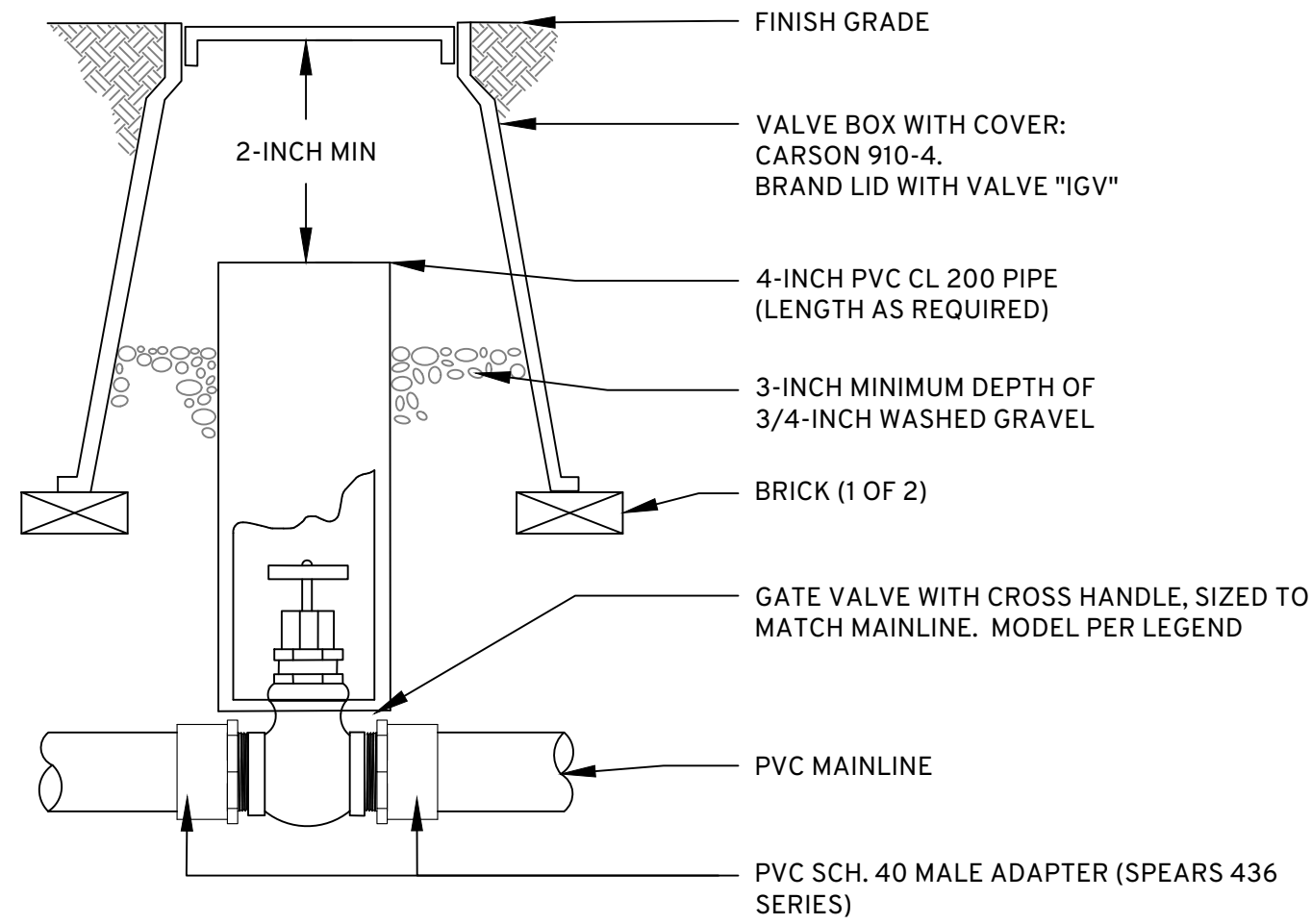
IRRIGATION PLAN

JOB NO.	191-025.000
REVISION NO.	----
SHEET NO.	IR2



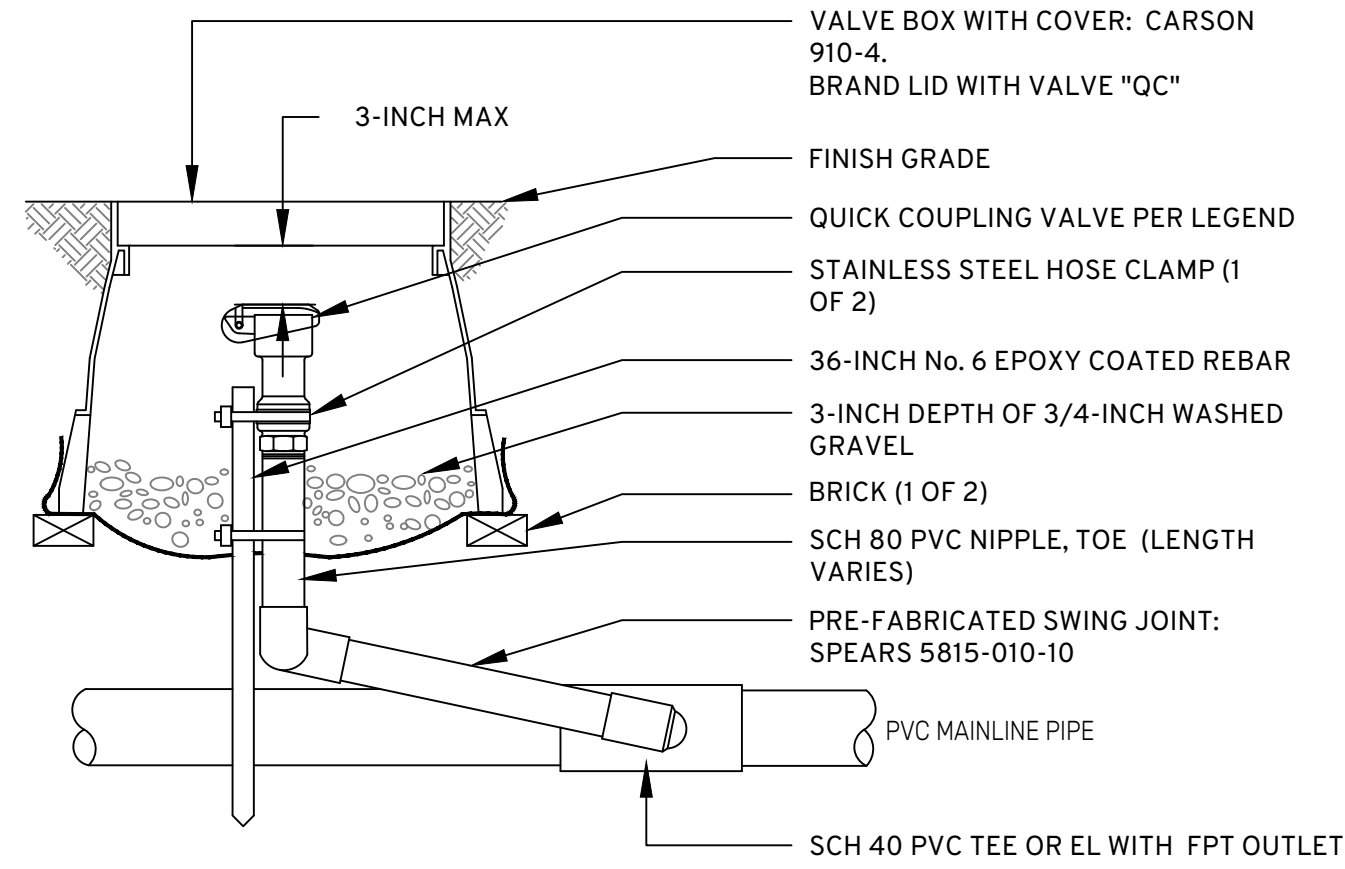
NOTE:
1. SLEEVE TO BE SET SQUARE OVER GATE VALVE TO ALLOW FOR OPERATION OF VALVE WITHOUT BINDING.

1 MANUAL DRAIN VALVE ASSEMBLY

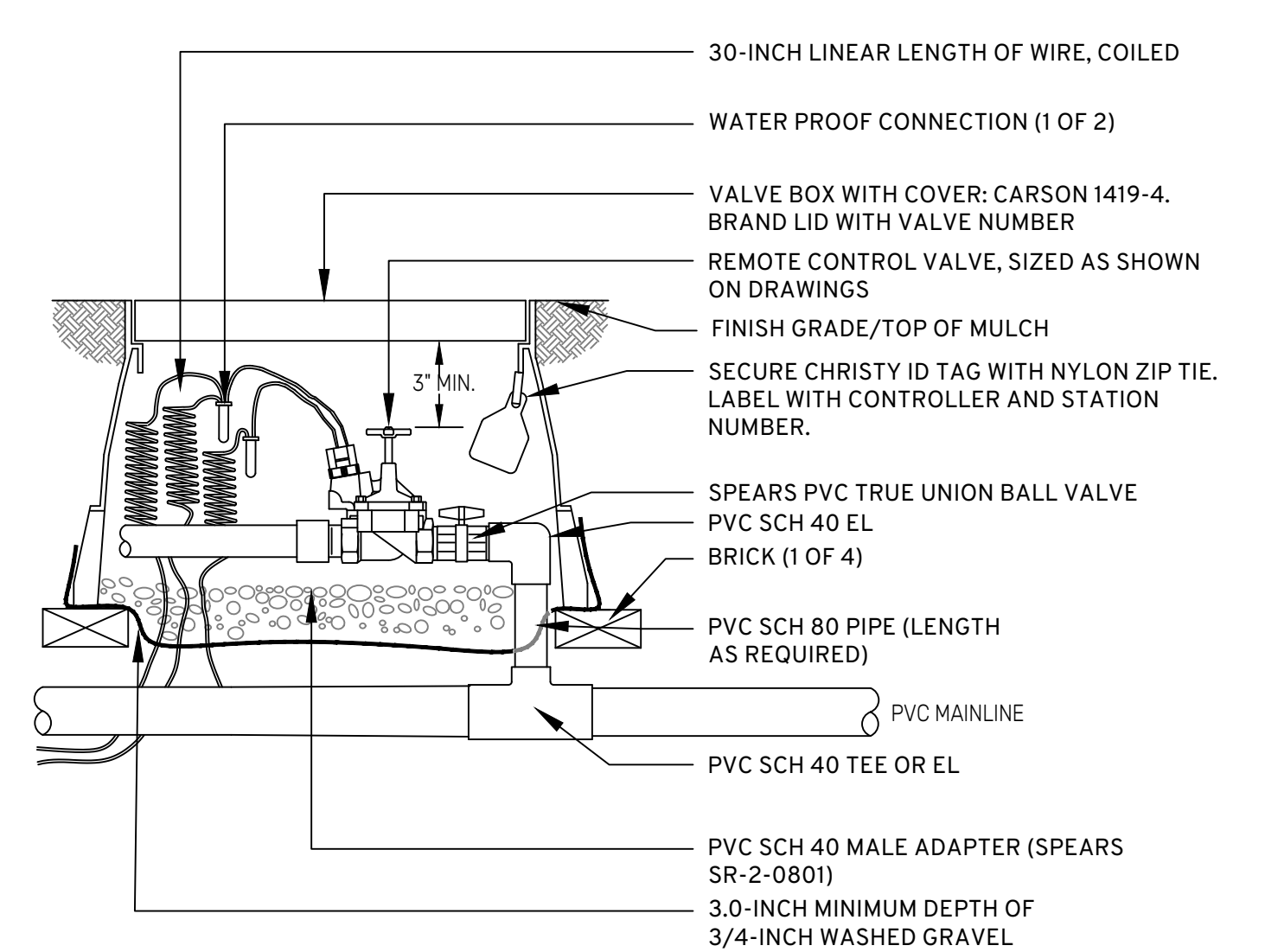


NOTES:
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.

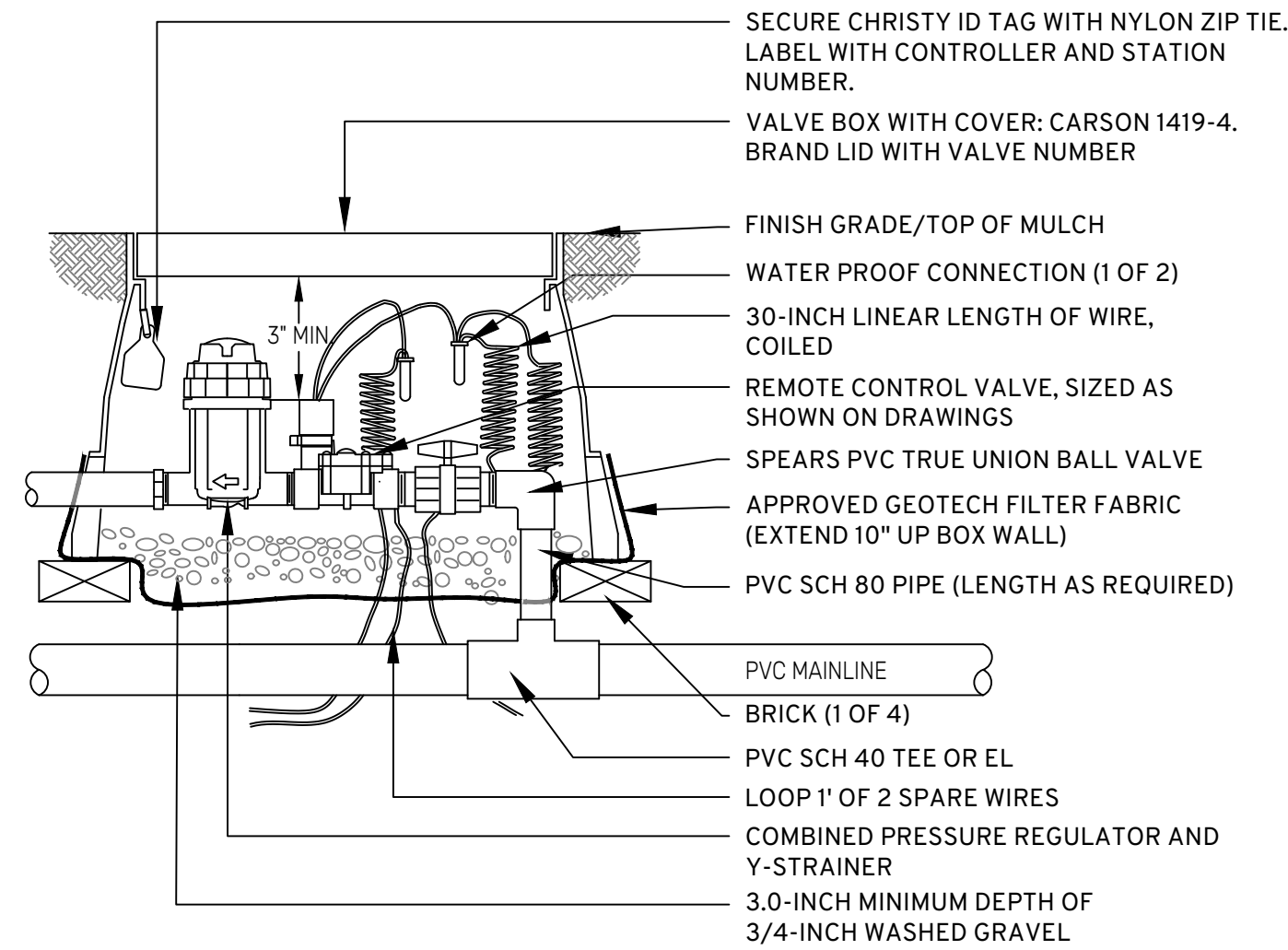
2 ISOLATION GATE VALVE ASSEMBLY



3 QUICK COUPLING VALVE ASSEMBLY

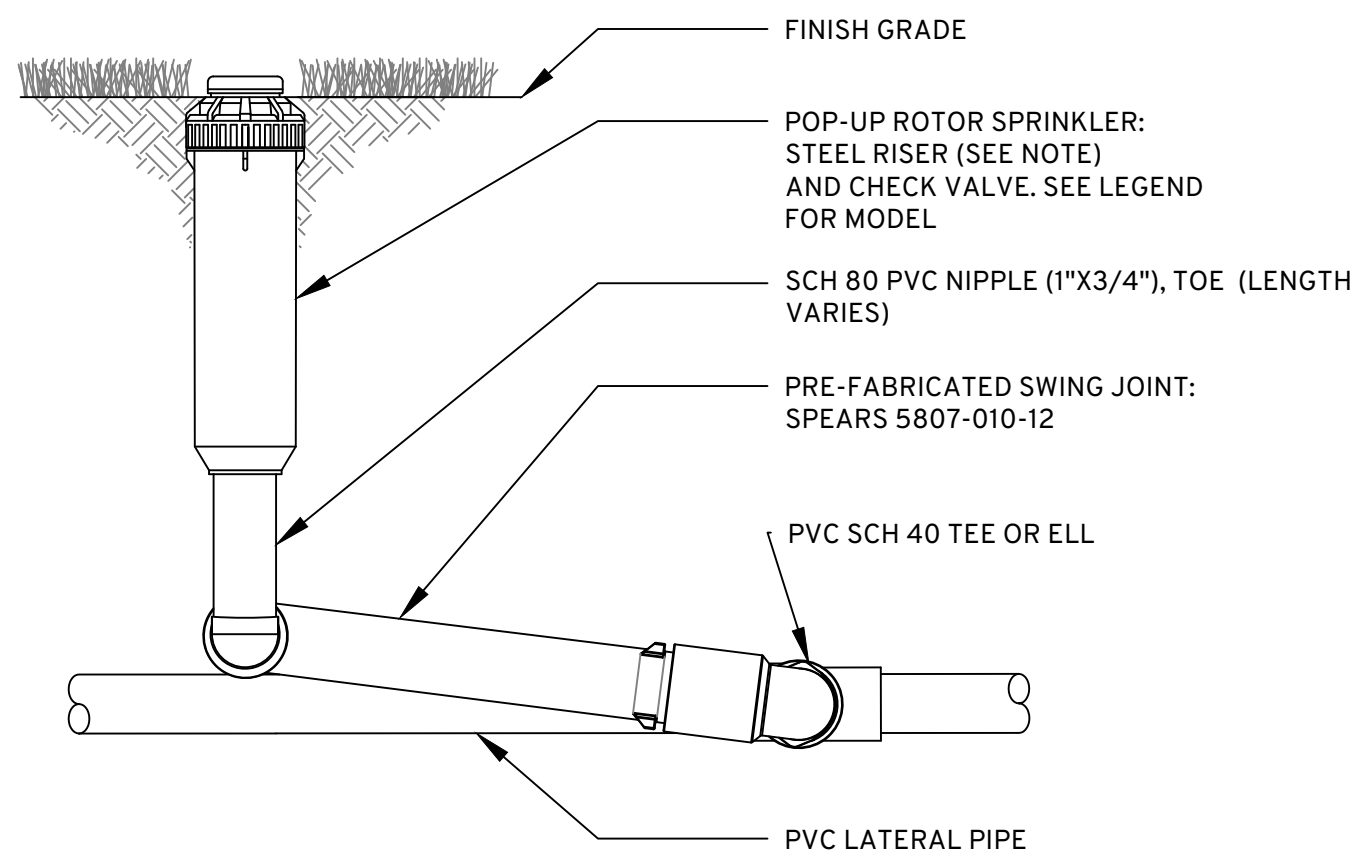


4 REMOTE CONTROL TURF VALVE ASSEMBLY

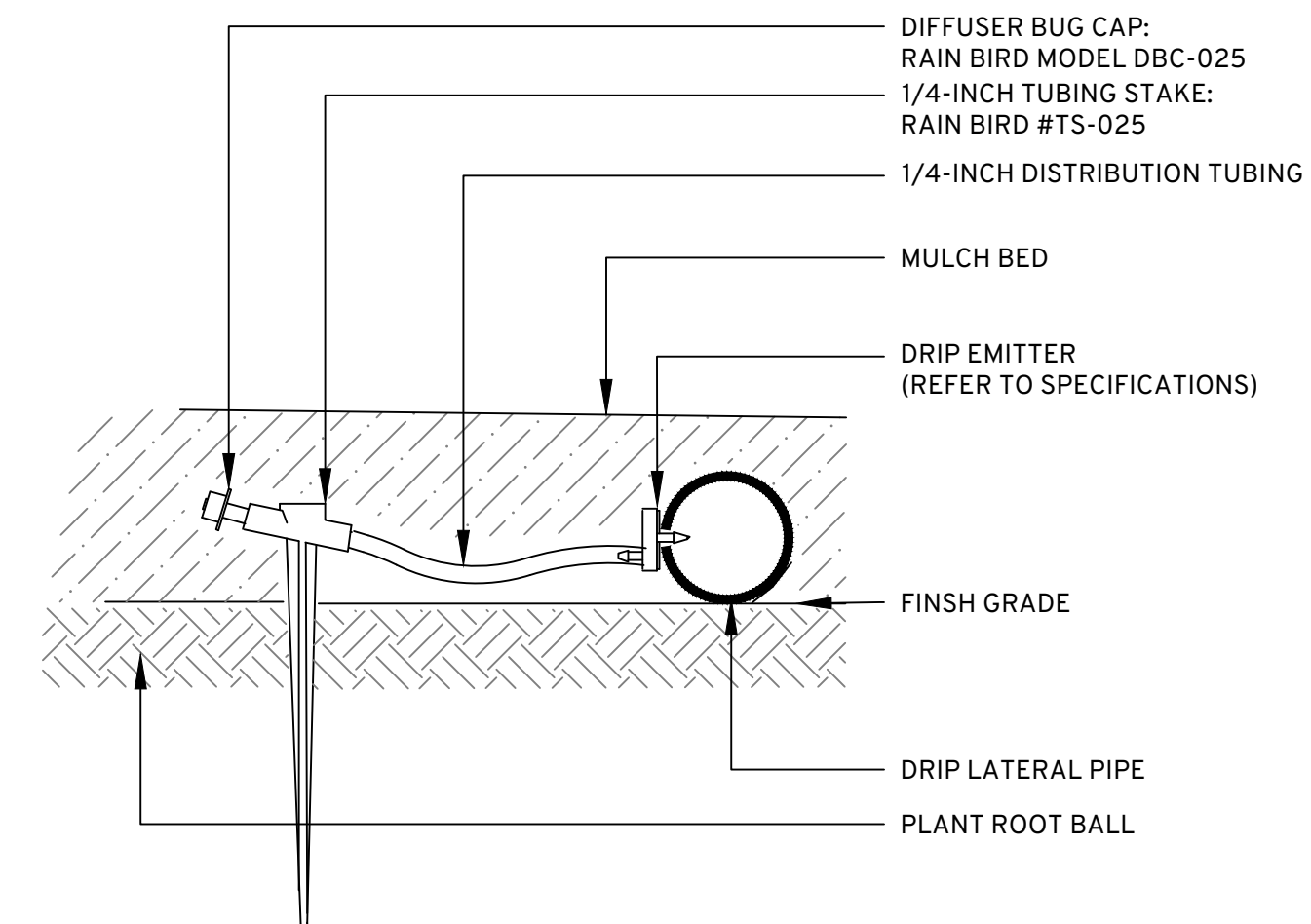


NOTE:
1. USE BARBED INSERT FITTINGS ON DRIP LATERAL PIPE WITH STAINLESS STEEL HOSE CLAMPS. PLACE CLAMPS ON DRIP TUBING DIRECTLY OVER BARBED AREA OF FITTING. PINCH CLAMPS ARE NOT ACCEPTABLE.

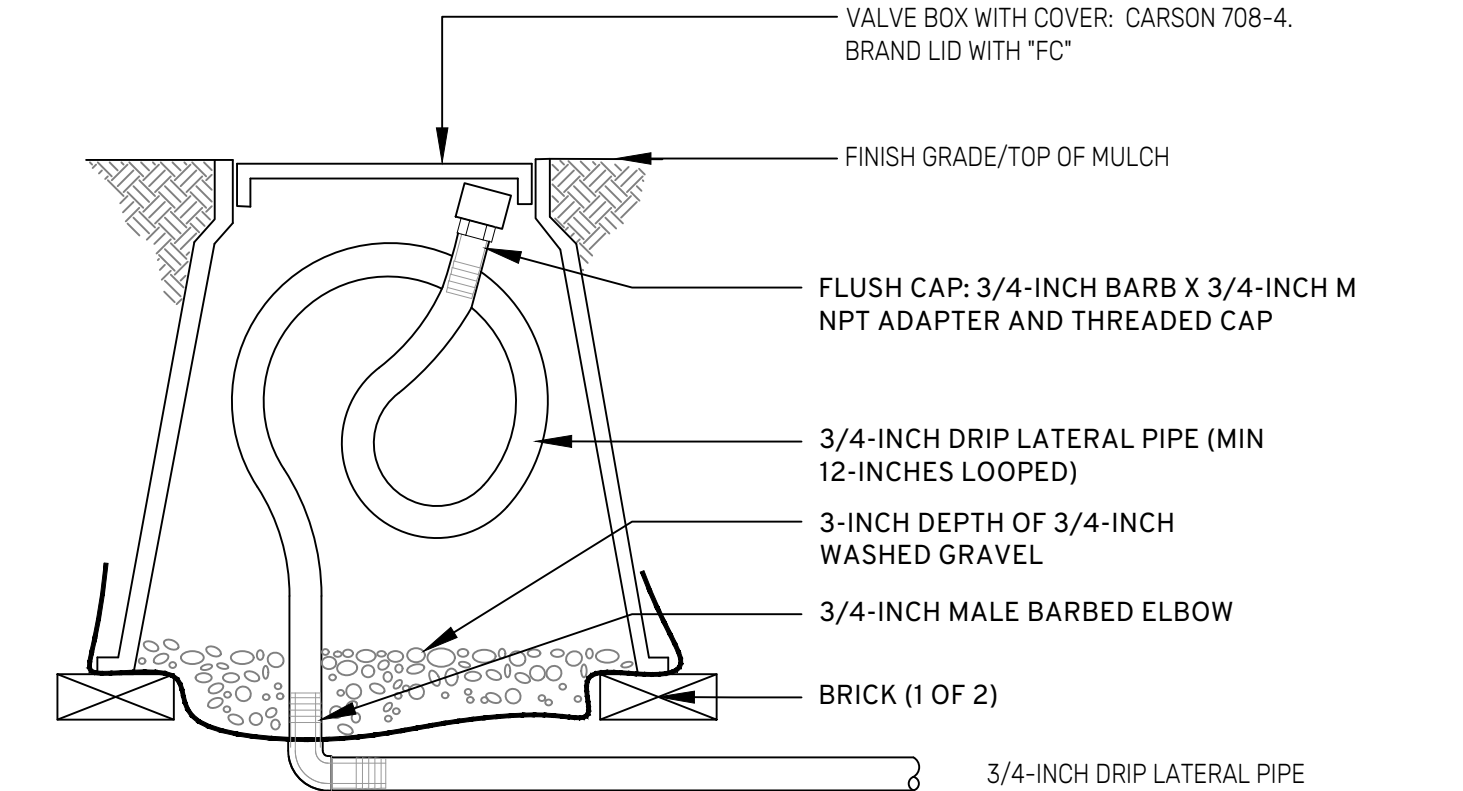
5 REMOTE CONTROL DRIP VALVE ASSEMBLY



6 12-INCH GEAR DRIVEN ROTOR ASSEMBLY



7 SINGLE OUTLET DRIP EMITTER ASSEMBLY



NOTE:
1. LOOP IRRIGATION DRIP TUBING INSIDE VALVE BOX FOR EXTENSION OUTSIDE OF BOX DURING BLOWOUT.

8 DRIP FLUSH CAP ASSEMBLY

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THREE MILE CONFLUENCE

IRRIGATION DETAILS

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191-025.000

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SHEET NO.
IR3

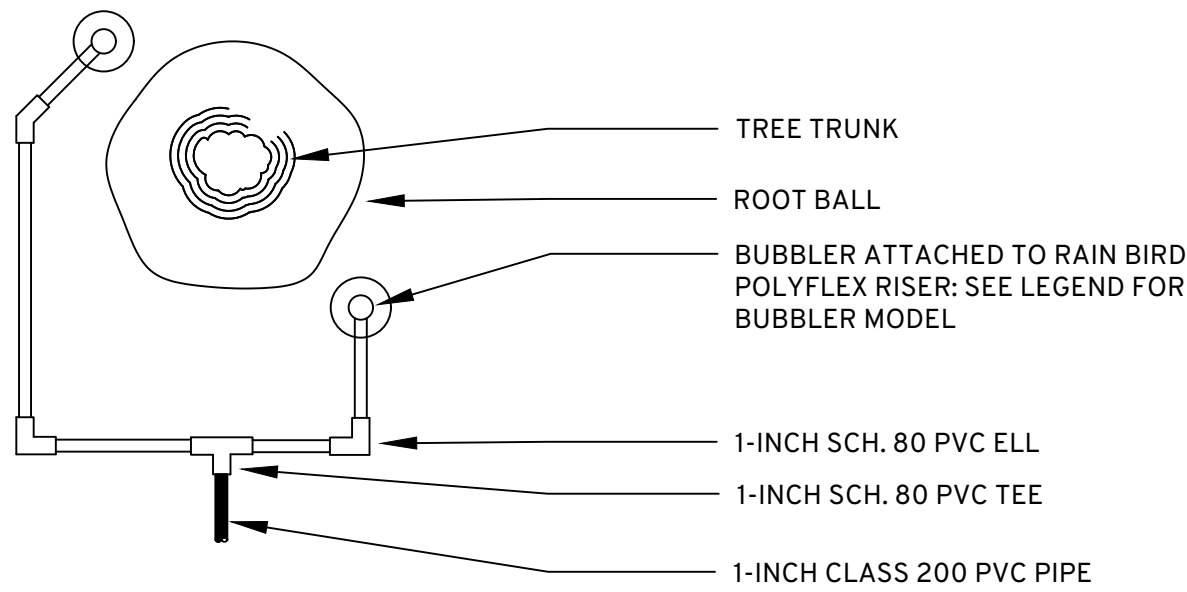
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PLANT TYPE	EMITTERS PER PLANT	GPH PER EMITTER	TOTAL GPH PER PLANT
TREES 2" CAL	4 SINGLE	1 GPH	4 GPH
LARGE SHRUBS 5 GAL	2 SINGLE	1 GPH	2 GPH
SMALL SHRUBS 1 GAL	1 SINGLE	1 GPH	1 GPH
GC/PERENNIAL	1 SINGLE	1 GPH	1 GPH
CACTI	1 SINGLE	0.5 GPH	0.5 GPH

- NOTES:
- ALL EMITTER POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL.
 - ALL EMITTER QUANTITIES AND FLOW RATES ARE FOR RECOMMENDATION ONLY. THE CONTRACTOR SHALL CONSULT AND CONFIRM WITH LOCAL PRACTICE PRIOR TO INSTALLATION.

9

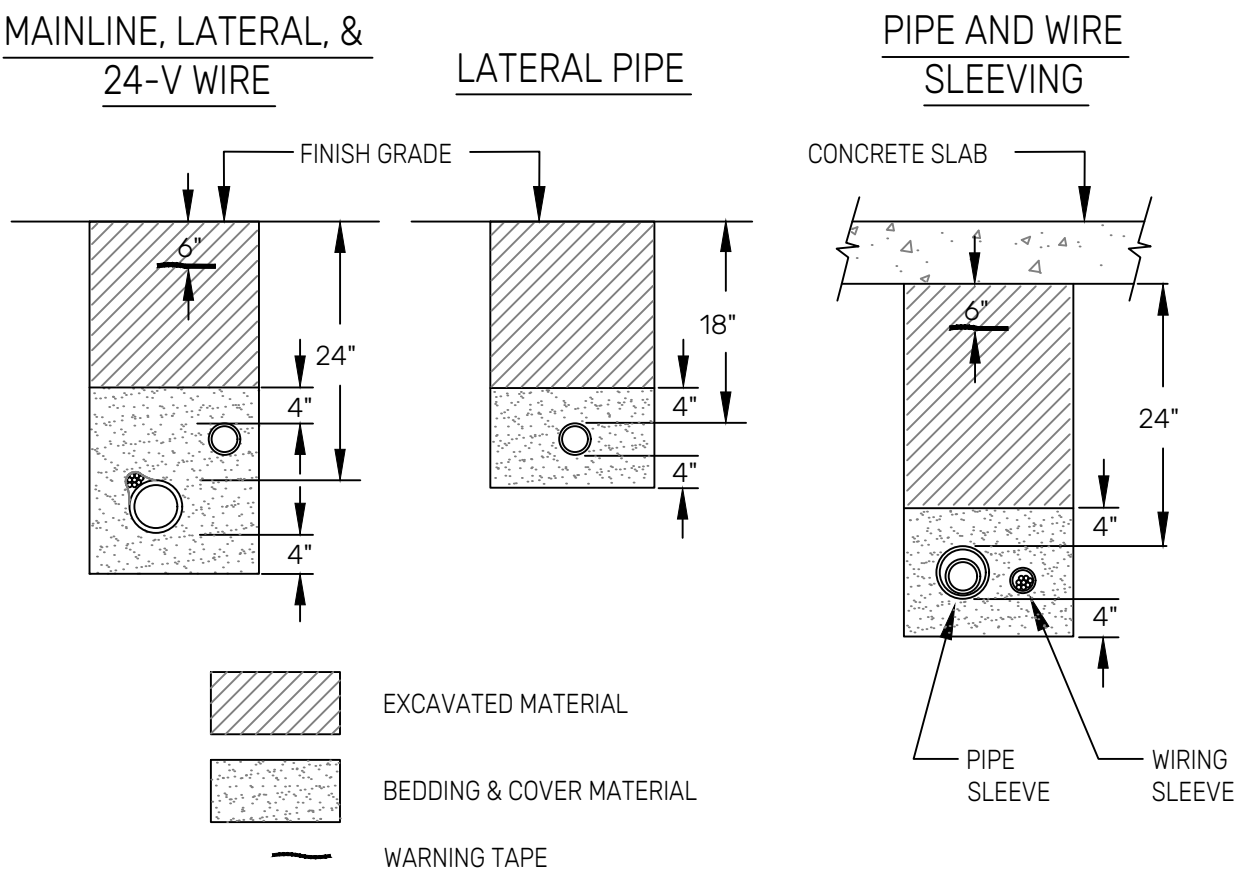
EMITTER SCHEDULE



- NOTE:
- CONTRACTOR SHALL SPACE BUBBLER EVENLY AROUND ROOT BALL AND ON THE UPHILL SIDE.

13

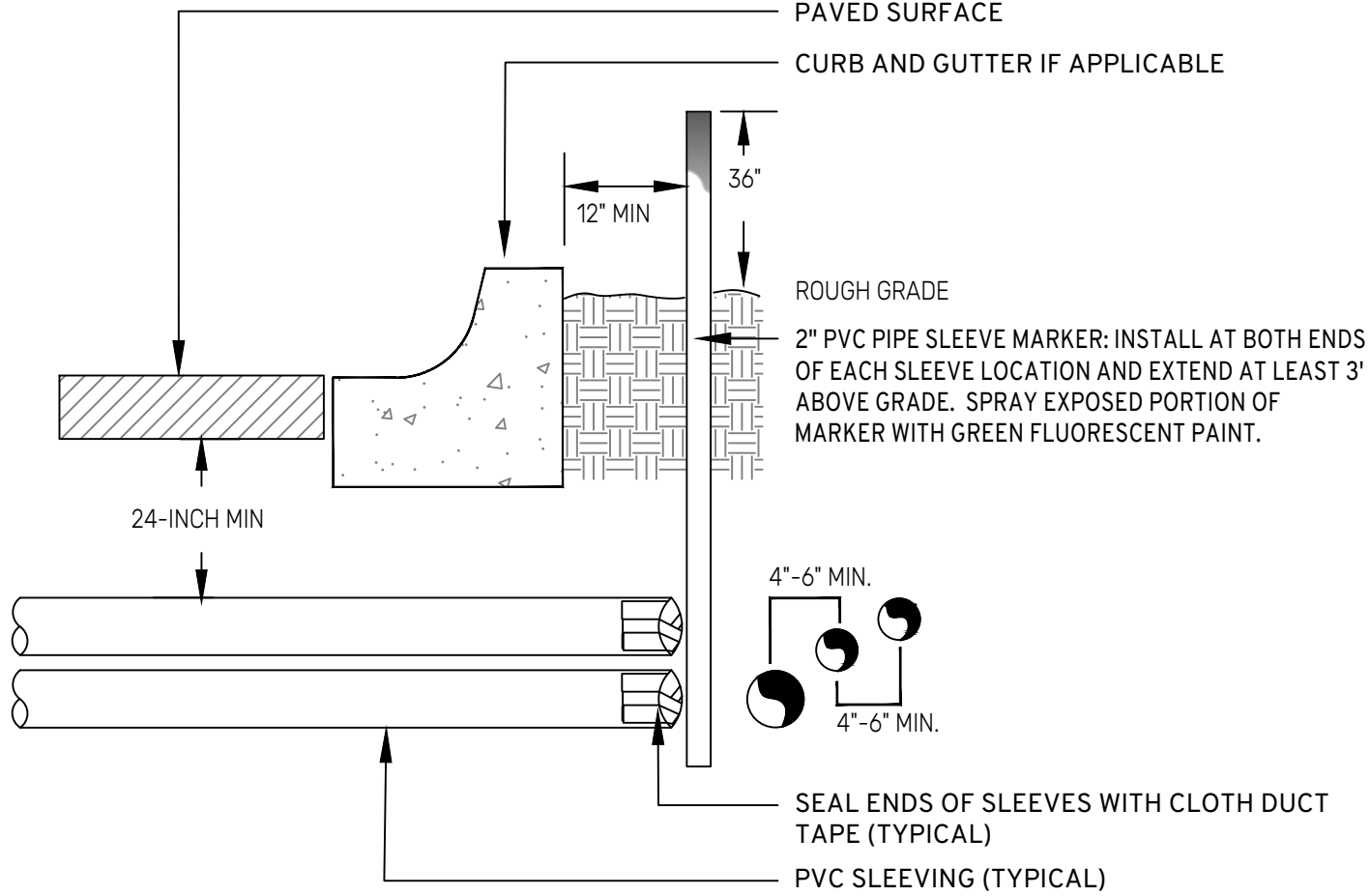
BUBBLER ASSEMBLY FOR TREES



- NOTES:
- SLEEVE ALL PIPE AND WIRE SEPARATELY.
 - ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS."SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
 - ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24-V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

10

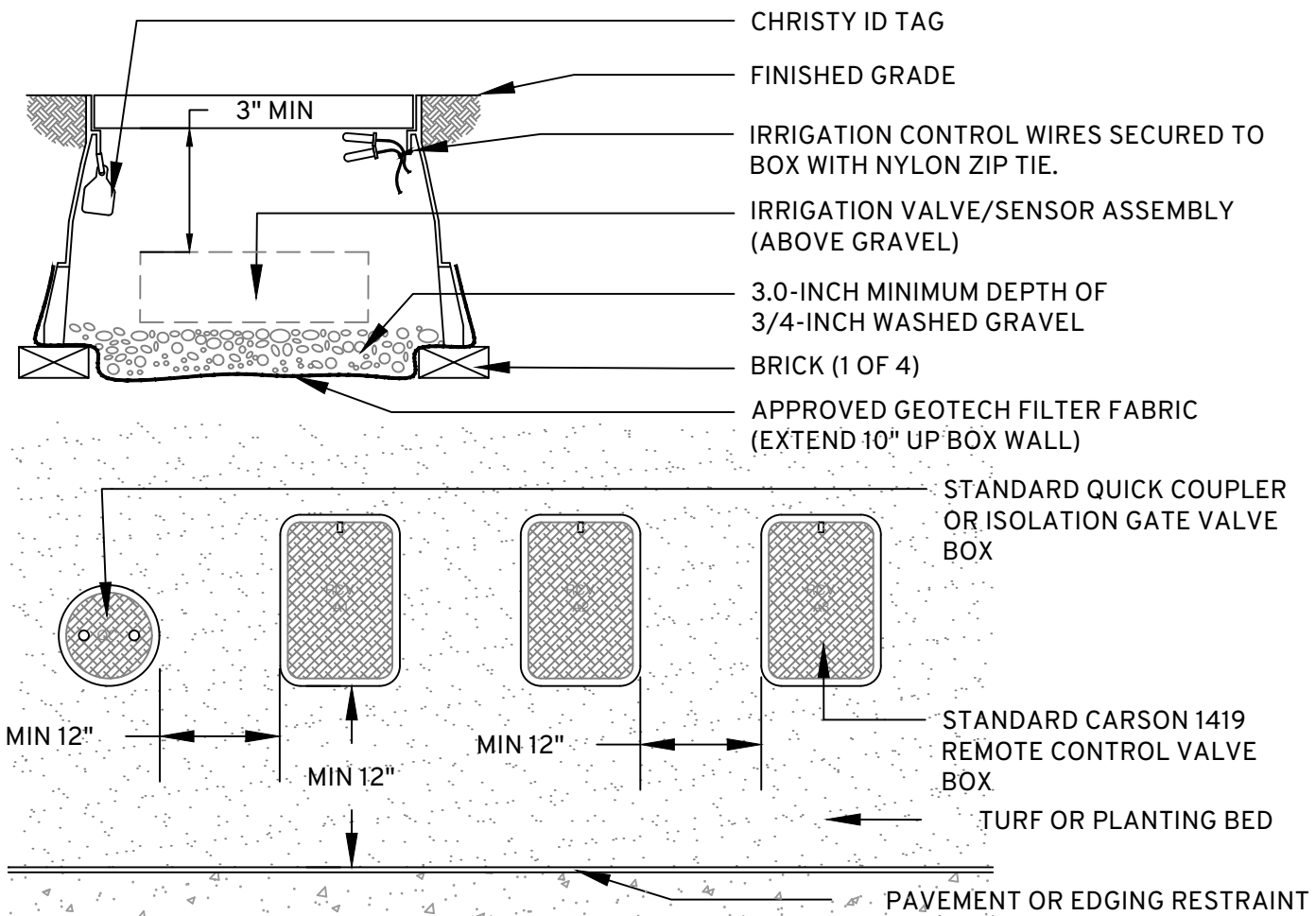
TYPICAL TRENCHING DETAIL



- NOTE:
- ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
 - INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

11

TYPICAL SLEEVING DETAIL



- NOTES:
- INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12-INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
 - INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12-INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
 - INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12-INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
 - GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
 - ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

12

TYPICAL VALVE BOX INSTALLATION

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IRRIGATION DETAILS

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City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Update on Sayre Park Project

Action Requested: NA

Department: Parks & Recreation

Presented By: Rod Tarullo

Strategic Goals: Preserve and Improve Infrastructure

Background Info: Sayre Park is a beloved space within the Parks and Recreation Department's municipal park system. As a part of previous park planning documents, a review of Sayre Park was recommended in the 2006 Parks and Recreation Master Plan, and later reiterated in the 2016 Parks and Recreation Master Plan update. These recommendations led to a community-led process in 2019 to gather park user information and opinions about current and future needs, analyze the physical constraints and opportunities at the park, and evaluate compliance with sport-specific, safety, and accessibility standards. This public engagement process identified preserving current uses at the park, enhancing existing facilities, and improving accessibility as high priorities for Sayre Park. To address these priorities, the Sayre Park Improvements Phase 2 – Play for All project sought \$900,000 in Land and Water Conservation Funds (LWCF) matched with \$900,000 in local funds to enhance this well-loved community park.

This grant request was submitted in 2021. The department was notified in April 2023 that the LWCF grant was awarded \$900,000 with a local match of \$900,000 needed to the City. In the two years from submittal to award, both key staff submitting the request left their city positions. New staff worked to understand the project, identify possible funding sources for the local match, determined that the scope could potentially be modified, reviewed the cost estimates which were generated in August 2019, received proposal to provide consulting work for concept finalization and construction drawings, and interviewed several people who were involved in the original 2019 public engagement.

Attached you will find the grant application, opinion of probable cost, maps and photos, and needs assessment sheet.

Issues: While the availability of \$900,000 in grant funds is appealing, finding or allocating funds for this project is challenging:

- The need of the department for resources to address deferred maintenance throughout the park system is great.
- Prioritization of needs might not place this project as the highest in the system.
- Fundraising for local match is an uphill climb.
- Use of city funds for local match takes away from other important projects. What are the trade-offs?
- This project addresses one quarter of the park area improvements. There would still be a need to eventually address the entire south half of the park.
- The recently completed "Needs Assessment" indicates highest Importance/Needs for 1)public restrooms, 2)open space, 3)trails and pathways, and 4)Community and neighborhood parks.
- Is there an expectation from citizens for the project?
- How far in today's dollars would we be able to get towards project completion?
- Are there reductions in scope that make sense?

Fiscal Impact: The \$900,000 local match. No funds are currently appropriated in the 2024 budget.

Legal Review: NA

Staff Recommendation: NA

EXHIBIT A

LWCF GRANT APPLICATION			
Applicant or Organization Name: City of Glenwood Springs			
Complete Mailing Address: 101 W 8th Street, Glenwood Springs, CO 81601			
Applicant Lead Contact Name: Debra Figueroa			Title: City Manager
Telephone: (970)-309-2494	Email: debra.figueroa@cogs.us		Is this the primary contact for this grant: ☐ YES ☒ NO
DUNS #:			
PROJECT MANAGER (this person will have day-to-day responsibility for the project)			
Name: Brian Smith			
Telephone: (970) 384-6315		Email: brian.smith@cogs.us	
PRIMARY PARTNER INFORMATION (IF APPLICABLE)			
Name:			
Mailing Address:			
Partner Contact Name:			Title:
Telephone:	Email:		Is this the primary contact for this grant: ☐ YES ☐ NO
TYPE OF PROJECT			
☒ Outdoor Development Only		☐ Acquisition Only	
☐ Combination Project **Complete both tables			
Table 1 – Outdoor Development			
Project Title Sayre Park Improvements Phase II - Play for All Project			
Grant Request: \$900,000.00		Match: \$900,000.00	
Total Project Cost: \$1,800,000.00			
☐ Creates a new park/facility ☐ Expands an existing park/facility ☒ Neither			
Has this park/resource previously received LWCF funding? ☐ YES ☒ NO			
Project Description: Provide a brief statement explaining project specific work, and a second statement explaining the overall project (if larger than the proposed work). 250-word max. The City of Glenwood Springs seeks \$900,000 in Land & Water Conservation Fund (LWCF) grant funding with \$900,000 in match to construct the City's first universal design playground and enhance site features at Sayre Park, a public park located in the center of Glenwood Springs. This "Sayre Park Improvements Phase 2 - Play for All" project includes the construction of a universal design playground, ADA walkways, a new restroom facility, landscaping, new furnishings, irrigation efficiency upgrades, and a pavilion in the northeast quadrant of the park. Phase 2 improvements build off Phase 1, which was completed Labor Day 2021. The combined upgrades that Phase I and Phase 2 improvements provide will ensure that Sayre Park can be enjoyed by individuals of all ages and ability levels.			

EXHIBIT A

Table 2 – Acquisition	
Project Title	
Grant Request: \$	Match: \$
Total Project Cost: \$	Acres to be purchased:
☐ Creates a new park/facility ☐ Expands an existing park/facility ☐ Neither	
Acquisition Description: Provide a brief statement of the property (including current ownership) and an explanation of the need for its acquisition.	
LAND OWNERSHIP (all projects)	
1. Provide the name(s) of the property owners: City of Glenwood Springs	
2. The project property is controlled by: ☒ Fee Simple ☐ Lease ☐ Easement ☐ License ☐ Right-of-way ☐ Other	
PROJECT LOCATION	
Town or City: Glenwood Springs	
County: Garfield County	
Address (including zip code): 1702 Grand Avenue, Glenwood Springs, Colorado, 81601	

EXHIBIT A

Preliminary Timeline Estimate - LWCF

Provide a timeline estimate using the following form. Remember that the project is to be completed within 2.5 years of the award date. Any proposed changes, including extensions or modifications in the project timeline, must be requested in writing and approved in advance by the State Trails Program. If you have Adobe editing, feel free to change task titles as desired.

TASK	Jul-Dec 2022	Jan-Jun 2023	Jul-Dec 2023	Jan-Jun 2024	Jul-Dec 2024	Jan-Jun 2025	Jul-Dec 2025
Project Initiation	X						
RFP for Professional Services	X						
Firm Competitively Procured	X						
Mobilization	X						
Demolition	X						
Earthwork	X						
Asphalt Paving & Sidewalk Prep	X						
Construction Phase		X					
Concrete/Masonry Work		X					
Slope Protection/Erosion Control		X					
Building, Structures, & Playground Equipment		X					
Water, Storm & Sanitary Sewer		X					
Landscaping		X					
Irrigation		X					
Electrical & Lighting		X					
Other/Additional Category							
Administrative Close-Out		X					
Grand Opening		X					

EXHIBIT A

PLEASE ANSWER THE FOLLOWING APPLICATION QUESTIONS

Project Narrative Contents:

- Describe and quantify the types of resources and features of or on the property (e.g., 50 acres of forested area, 2,000 feet of waterfront, scenic views, unique features, recreation amenities, historic/cultural resources)
- Describe the current uses (if any) or disposition of the property to be acquired or developed, if uses will need to be discontinued, or the site rehabilitated. Please explain any existing non-outdoor recreation or other non-public uses that are intended to continue on the property on an interim or permanent basis.
- Describe constraints of the property (e.g., existing development; hazardous materials/contamination history; restrictions such as institutional controls, easements, rights-of-way, above ground/underground utilities; etc.)

Development Only:

- Describe the planned physical improvements and/or facilities, and the reason(s) development is needed. Explain if the work involves new development, rehabilitations or replacement of existing recreation facilities.

Acquisition Only:

- Provide a description of the property (including the current ownership) and the need for its acquisition.
- Describe if the acquisition would create a new public park/recreation area or if it will expand an existing site.
- Describe the plans for developing the property for recreation purposes after acquisition, and the timeframe for the start and completion of development and when it will be open for public use.

EXHIBIT A

PROJECT NARRATIVE

Sayre Park is an approximately 7-acre urban park located at 1702 Grand Avenue. The site is bounded by Grand Avenue to the west, North Hyland Park Drive to the north, Hyland Park to the south, and Blake Avenue to the east (see attached location map). Sayre Park is rich in history and sits just a few blocks south of historic downtown Glenwood Springs. It was first homesteaded by James Sayre in the mid-1930's before the U.S. government opened a Civilian Conservation Corps camp on the property to house 200 men. The men worked on improvements to the Glenwood Springs municipal airport and Red Mountain Ski Course. In the early 1940's the property was used to house World War II prisoners after being donated by Sayre to the city in 1937 with the stipulation that the land be used as a park (see attached site deed). Since this time Sayre Park has continued to provide outdoor recreational opportunities to Glenwood Springs residents and visitors.

Today, Sayre Park features a wide variety of amenities to support passive and active outdoor recreation including grass open space, a basketball court, a baseball field, sand volleyball, two tennis courts, a playground, horseshoes, two picnic shelters, a lighted gazebo, barbecues, picnic tables, and restrooms. In addition, Sayre Park has long been the venue for small to large gatherings for private parties and public events, including the historic 122-year old Strawberry Days festival hosted every June by the Glenwood Chamber Resort Association, which attracts 8,000 visitors per day. Other events include St. Stephen's Festival of Diversity, VV Hospital Rally the Valley, Stomparillaz Bike Polo, and the Hoops D'Ville basketball tournament.

The Glenwood Springs Parks and Recreation Department estimated that 63,976 of park users utilize Sayre Park every year. This number can be largely attributed to the park's prime location as well as the variety and abundance of amenities and programming opportunities provided. Due to the park's heavy usage a review of Sayre Park was recommended in 2006 Parks and Recreation Master Plan and later reiterated in the 2016 Parks and Recreation Master Plan update. By this time, many of the features at the 80+ year old park were reaching the end of their useful life and, in many cases, were not ADA compliant. Other constraints of the property include existing mineral rights from the previous owner; however, these rights explicitly state that "the grantor, his heirs, executors, administrators and assigns shall be liable and responsible to grantee...for all the damages to the surface of said lands and improvements."

These planning recommendations resulted in a community-led process in 2019 to gather park user information and opinions about current and future needs, analyze the physical constraints and opportunities at the park, and evaluate compliance with sport-specific, safety, and accessibility standards. This public engagement process identified preserving current uses at the park, enhancing existing facilities, and improving accessibility as high priorities for Sayre Park.

To address these priorities, the Sayre Park Improvements Phase 2 – Play for All project seeks \$900,000 in Land and Water Conservation Funds (LWCF) matched with \$900,000 in local funds to enhance this well-loved community park by:

1. Removing and replacing the 20+ year old playground with a new 11,123 sq. ft. universal design playground (for ages 3-5 and 5-12 years old) that will include elements such as accessible surfacing, exciting adaptive equipment, an inclusive apparatus layout, and an inviting theme.
2. Removing and replacing the 20+ year old restrooms. The new 1,150 SF bathroom facility will be larger than its predecessor to accommodate additional users as well as ensure handicap accessibility.
 1. Developing a new 800 SF pavilion structure that will be used to provide shade and shelter for park goers and be made available for rentals
3. Developing 6,635 SF of ADA compliant sidewalks and steps from the playground to the restroom facilities. At present, no accessible routes are provided between these key amenities.
4. Inserting 2 ADA compliant ramps
5. Installing 706 LF of handrails at steps and ADA ramps
6. Connecting 323 LF of water service to restrooms and pavilion

EXHIBIT A

PROJECT NARRATIVE (cont. if needed)

7. Connecting 83 LF of sewer service to restrooms
8. Placing wayfinding, playground, and volleyball court signage to improve park user friendliness.
9. Inserting 10 new bear saver trash receptacles, 3 new drinking fountains with bottle filler, 7 new dunor plastic benches, and 3 new BBQ grill station to increase park functionality and ensure that the park can properly accommodate additional users.
10. Planting trees, shrubs, ornamental grasses, and perennials to improve the overall appearance and aesthetic of the park.

All proposed site development activities will be designed and installed with accessibility, inclusivity, and functionality in mind to enable people of all ages and abilities to access and enjoy the park for years to come

EXHIBIT A

PLEASE USE THE FOLLOWING BLANK PAGES TO ANSWER THESE CRITERIA QUESTIONS

#1 – Extent of Outdoor Recreation Needs – 20 Points

What is the extent of deficiency (based on quantity or quality) of close-to-home outdoor recreation areas/resources within walking distance of the target neighborhood, and the degree to which the project will serve the populations of that community.

Priority will be given to projects that:

- 1) Acquire or develop parks/outdoor recreation resources to increase opportunities to engage in outdoor recreation (such as creating parks/outdoor recreation resources in areas where none exist or there are not enough to support the size or demand of the population);
- 2) Maintain or renovate existing LWCF sites to increase sustainable access for resident and visitors (such as ensuring sites are ADA compliant to allow for better recreational access).

- Describe the amount of, and types of, existing recreation resources near the proposed project area/site. (*Attach site photos and a map of the area.*)
- Describe the specific deficiencies or inadequacy of local outdoor recreation areas/uses and how the deficiencies were identified.
- Describe the recreation service area of the new park /outdoor recreation resources and the estimated number of people within the community that will benefit from this proposed project.

#2 – Project Alignment with SCORP and Other Application Plans – 20 Points

This criterion assesses the degree to which the project advances or is otherwise tied to the priority recreation needs and/or goals of the applicable State Comprehensive Outdoor Recreation Plan (SCORP) and other relevant park and outdoor recreation plans. Projects can also receive credit for aligning with or advancing priorities of other comprehensive or master plans at the city, regional, and/or state level.

Priority will be given to projects that best meet 1) at least 1 goal or need that is clearly identified in the SCORP, and 2) at least 1 additional, applicable planning document that the proposed project aligns with and advances.

[Colorado's SCORP](#)

- State the specific SCORP goals or needs that the proposed project will advance or implement, and explain how this project addresses each goal/need.
- Describe any relevant park/outdoor recreation, city, regional, and/or state plans/initiatives (provide date of plan) that the project advances or supports.

#3 – Wildlife and Natural Resources – 15 Points

How were CPW staff engaged in the planning process to help evaluate and address potential impacts to wildlife and natural resources of the park or outdoor recreation resource?

Priority will be given to projects that best show how they integrated CPW suggestions to address any potential wildlife impacts in their proposal.

EXHIBIT A

- Describe how impacts to wildlife and habitat were evaluated, avoided, and/or minimized. What factors were considered to avoid large blocks of less disturbed sensitive environmental resources such as wildlife habitat or wetlands in the planning process?
- Describe the aspects considered to evaluate wildlife connectivity across the landscape to avoid and/or minimize the potential for fragmentation. If necessary, describe any plans for avoiding and/or minimizing wildlife and natural resource impacts.
- Describe how the applicant will help support the land manager in implementation. For example, if a season closure is recommended, what are the dates of the closure and how will it be implemented to be effective (signage, gates, game cameras, etc.)?

#4 – Appropriateness of Project to Meet Community Outdoor Recreation and Economic Needs – 15 Points

How will the proposed project meet the need(s) for newly created or significantly enhanced outdoor recreation resources within the target community/population, and the level to which it provides short-term and/or permanent employment opportunities, and/or helps to generate economic benefits for the community at large.

Priority will be given to projects that 1) create new outdoor recreational areas/resources, **or** comprehensively enhance the quality of existing park/outdoor recreation areas. This includes areas that are so deteriorated/obsolete that major rehabilitation is necessary to significantly increase the number of people or user groups who could be served in a way that would be equivalent to a new park, and 2) providing the greatest amount of short-term/permanent employment opportunities and overall economic benefits to the community.

- Describe how the proposed project will create or significantly improve access to close-to-home park and recreation opportunities for the project's target communities.
- Describe the new or expanded types of outdoor recreation opportunities and/or capacities that will be created for the project site after acquisition and/or development.
- Estimate the anticipated increase in the number of people and/or types of user groups that will be newly able to recreate as a result of the project and how this impact was determined.
- Describe the anticipated economic benefits that will be produced by the project such as short- and long-term employment opportunities (such as hiring youth corps or full time agency crews to construct and maintain the site) and/or community-wide economics benefits stimulated by the project.

#5 – Community Involvement in and Support of Proposed Project – 15 Points

What is the level of supportive partnership building involved in the development and implementation of the project among the project sponsor, residents of the target community to be served by the park or outdoor recreation resource, government agencies, the private sector, and community and/or conservation organizations?

Priority will be given to projects that 1) Demonstrate the highest degree of effort or initiative to engage residents of the communities in the project's development. 2) Demonstrate the most significant amount of collaboration among the public and private sectors, including multiple levels of government, private/non-profit organizations, and community groups.

- Describe the process that led to the development of this proposal.
- Describe the partnerships or other collaborative efforts that have helped, or will help to, facilitate the project.
- Describe or provide evidence of local support for the project, particularly from the local community. *(Reference letters of support included with the application.)*

EXHIBIT A

6 - Project Feasibility and Likelihood of Success – 15 Points

What is the probability that the project will be successfully completed within the proposed timeline and budget, the viability of the proposed budget, and the ability of the project sponsor and partners to manage the project and maintain the park/outdoor recreation resource in the future?

Priority will be given to projects that 1) Can be complete and open to the public within 3 years. 2) Are managed by project sponsors and partners with proven experience in successfully managing similar projects with no problems. 3) Can demonstrate a clear capacity, and a plan, for successful long-term management and protection. 4) Have budget costs that are clear, necessary, reasonable, allowable, allocable, and 5) have matching share that is fully secured.

- Describe the status of planning for the grant project and its readiness to be implemented. Support the accuracy of the established deadlines and milestones within the attached timeline.
- Describe if design has been completed, and if not, when you anticipate completing it.
- Describe any issues with the site that would prevent it from being open and available to the public within 3 years.
- Describe the relevant experience of those managing the various aspects of this project. If partners are involved, their role(s) should also be described.
- Describe how the park or outdoor recreation resource will be managed and maintained, physically and financially, to assure permanent use for public outdoor recreation.

EXHIBIT A

#1 – Extent of Outdoor Recreation Needs – 20 Points

To provide enriching recreation activities and open space for the community, the City of Glenwood Springs Parks and Recreation Department operates and maintains 26 parks and amenities throughout the city. According to the AARP Livability Index, the average Glenwood Springs citizen has 1.8 parks within a half-mile radius of their home. While this is nearly double the national rate, significant deficiencies were identified including barriers to park accessibility. Approximately 9.1% of the City's population have a disability, of which 120 are children. This population is significantly underserved when it comes to access to outdoor recreation as many of the city's parks, built over two decades ago or earlier, are not handicap accessible. Moreover, Glenwood Springs does not have an all-inclusive playground where people with disabilities can improve their physical, cognitive, social skills side-by-side with their able-bodied friends. These children are on the outside looking in and must travel 175 miles to reach the nearest inclusive playground.

Sayre Park has been identified as a prime location for the city's first all-inclusive park due to its high usage and central location just south of historic downtown Glenwood Springs. Sayre Park provides close-to-home outdoor recreation and is within walking distance to parts of two census tracts: Garfield County Tract 9517.02 and 9517.01. Tract 9517.02 is home to 3,407 residents while Tract 9517.01 is home to 4,513 residents. Together these tracts comprise nearly 80% of the population of Glenwood Springs. Within these tracts, the target neighborhood and primary user group of the park is the Hyland Park neighborhood. This neighborhood is home to the Valley View Hospital medical center, the Glenwood Springs High School, three local churches and the St. Stephen Catholic School. Residents and visitors to the area span a wide range of ages and abilities, from toddlers attending pre-school at St. Stephen Catholic School to the seniors living just blocks away at the Sunnyside Retirement Center.

The closest recreational resources to Sayre Park are O'Leary Park (.25 miles) the River Trail Dog Park (.25 miles), the Glenwood Springs High School track and field (.25 miles), and Linwood Cemetery (.4 miles), home to the Doc Holliday Grave and hiking trail. Sayre Park is the only public park within walking distance (a half-mile radius) to provide a baseball/softball diamond, a basketball court, barbeque's, restrooms, volleyball, tennis courts, and horseshoes. As a result, Sayre Park attracts users from across Glenwood Springs (population 9,963) and Garfield County (population 61,685). Special events including the Strawberry Days Festival also draw in visitors from across the region and the State.

In total, the project team estimates that over 15,000 people will benefit from the proposed phase 2 improvements to Sayre Park. Proposed project activities including enhancements to the restrooms, a new universal design playground, a pavilion/plaza, and ADA walkways will boost the recreation service area of the park to include existing users and new users from a catchment area of 175-mile radius – the distance to the nearest universal playground. In addition, the project will benefit the 11,356 people in Garfield County who have a disability as well as the 7,477 older adults (ages 65 or older) in the county who will be able to take advantage of the accessibility enhancements and new shade opportunities the project will provide. The restrooms will benefit short and long-term users alike whether they use the park every day or are visiting for the Strawberry Days festival.

EXHIBIT A

#2 – Project Alignment with SCORP and Other Application Plans – 20 Points

The Sayre Park Improvement – Phase 2 Project advances numerous priority recreation goals and strategies identified in the 2019 Colorado SCORP. This includes the goal for “more Coloradans and visitors benefit from outdoor recreation and conservation.” Nearly 1 in 10 residents in the community have a disability, yet these individuals face significant barriers to outdoor recreation. The inclusion of new ADA compliant, universally accessible features to Sayre Park will serve to boost recreational opportunities for Glenwood Spring’s and Garfield County’s large disabled population. Within Priority 1, the project also advances Objective 1. Strategy 5: “Engage diverse types of users (demographic, geographic, cultural, socioeconomic, activity preference, etc.) in the management, planning and design of outdoor recreation spaces and access opportunities.” The proposed project was developed through a robust public engagement process beginning in 2019 that sought input on park design from a diversity of individuals. This included responses from Glenwood Springs staff, organized sports leagues and clubs, special event hosts, institution neighbors, park users, and park neighbors as well as an online survey which received 255 responses. In addition, the City sought to ensure the inclusion of the Glenwood Spring’s significant (over 30%) Latinx community by providing Spanish translation on all materials, at meetings, and on the online survey.

The project also aligns with Priority 4 goal: “Coloradans and visitors contribute to diverse funding sources that are dedicated to support outdoor recreation and conservation,” and more specifically Objective 2. Strategy 2: “Connect grant funding to outdoor recreation and conservation priorities and encourage other funders to do the same.” The proposed project seeking LWCF has been identified as a local outdoor recreation priority through a robust planning and engagement process. This engagement process has also led to strong funding support for previous phases of the project from local nonprofit partners Game On Camps and Hoop d’Ville, from private developer Grand River Construction, and from a \$25,000 FMLD mini grant.

In addition to alignment with the Colorado SCORP, a master plan and feasibility study for Sayre Park was first recommended in the 2006 Glenwood Springs Parks and Recreation Comprehensive Master Plan. The recommendation for a comprehensive review was again made in the 2016 Parks and Recreation Comprehensive Master Plan. In addition, a facility condition assessment was conducted as part of this Master Plan to inventory and assess six high priority parks for the City. This facility condition assessment included Sayre Park and identified the evaluation for ADA compliance of the playground with appropriate transfer stations and surfacing materials as, “a top and immediate priority for the City.”

EXHIBIT A

#3 – Wildlife and Natural Resources – 15 Points

The City of Glenwood Springs has engaged with Colorado Parks and Wildlife (CPW) on the development of this grant application. This has included a meeting with CPW's District Wildlife Manager, Matt Yamashita, on September 22, 2021. At this time, CPW identified the need to address potential bear conflicts that may occur. Dan Cacho, Colorado Parks and Wildlife game warden for Glenwood Springs, has estimated that there are six to seven bears using Glenwood Springs for food on any given night, depending on the season. If not properly managed and maintained, Sayre Park could become a bear magnet in the community, posing a danger to residents and bears alike.

To mitigate the likelihood that a bear conflict will occur within Sayre Park, CPW recommended the installation of bear resistant trash receptacles as well as plants that will not attract bears (no nut or fruit bearing). The project team has acknowledged these recommendations and has incorporated 10 bear saver trash receptacles into the project budget and plans to avoid the use of fruit and nut bearing trees and shrubs during the landscaping effort for the project.

The proposed Sayre Park improvements will all take place within an existing park, and the project team does not anticipate any significant impacts to wildlife and habitat as the area has previously been disturbed. In addition, the IPaC Resource analysis found that there are no critical habitats, no fish hatcheries, and no refuge lands at the project site.

EXHIBIT A

#4 – Appropriateness of Project to Meet Community Outdoor Recreation and Economic Needs – 15 Points

The Sayre Park Improvements Phase 2 – Play for All project will provide the city's first universal design playground for children ages 3 – 12 years old. This will be the first park of its kind within a 175-mile radius of Glenwood Springs, encompassing Grand Junction, Fort Collins, Denver, Colorado Springs, Durango, and Moab. The playground at Sayre Park is one of the sites most heavily utilized features year-round. The condition of the existing playground has been a longtime concern for residents of the city and neighbors within Hyland Park. The existing equipment has continued to deteriorate and is reaching the end of its useful life. In addition, the engineered woodchips used as the surface material for the playground have presented ongoing challenges to accessibilities for those who use a wheelchair and walker due to the shifting surface and uneven nature of the material. In response to these concerns, the project team propose to remove the existing playground structure and surfacing and install accessible surfacing, exciting adaptive equipment, an inclusive apparatus layout, separated for ages 3-5 and 5-12, and an inviting them.

In addition to the expanded play opportunities provided at the replaced playground, the project will incorporate passive recreation and events space through the installation of a new 800 SF pavilion structure. Community engagement for the proposed project has found the Sayre Park shelter structure receive a lot of use year-round and the incorporation of this new structure will provide additional revenue sources to the Glenwood Springs Parks and Recreation Department. At present, the three existing shelters at Sayre Park resulted in \$8,300 in revenue in 2018. These funds help to support the sustainable maintenance and upkeep of the park and facilities.

Moreover, the expansion of the bathroom will be critical to improving accessibility and enhancing the quality of Sayre Park. The existing bathrooms are over 20 years old, are too small to accommodate the heavy park usage, and are not ADA compliant. These constraints limit the ability for many park users to enjoy the park's offering and limit the number of individuals that can be supported at events.

New features including enhanced landscaping will also improve the overall aesthetics of the park and provide opportunities for shade with the plantings of new native trees. Grassy areas will provide spots for picnickers and active play alike and shrubs and perennials will be incorporated. Finally, the addition of new ADA compliant walkways will connect critical recreation amenities throughout the park. These pathways will be easy to use by wheelchair-bound people, with a minimum width of 3 feet and surface texture that will be firm, steady and non-slippery. Existing sidewalks at the site are one of the most common areas that can pose great challenges and dangers to the blind, to anyone in a wheelchair, or to anyone using crutches as they are not accessible.

The project team anticipates an increase of 600 families that will be newly able to recreate at the park due to the project. This number is attributed to the improvements proposed which will make the park more accessible to individuals of all ages and ability levels. Short-term employment provided through the demolition and construction of the proposed project will support 30 jobs. Other economic benefits from the proposed project will include increased property value of nearby homes due their proximity to high-quality parks and recreation resource, which will, in turn, increase property tax revenue for the City. In addition, upgrades to the park should encourage companies to locate in the business district located just south of Sayre Park as a means of attracting and retaining top-level workers. Sayre Park also draws visitors from near and far, for the Strawberry Days festival, concerts, and athletic events, bringing tourism revenue to nearby restaurants, hotels, snack shops, and stores.

EXHIBIT A

#5 – Community Involvement in and Support of Proposed Project – 15 Points

The Sayre Park Improvements Project has received robust input and support from the community and key stakeholders. To ensure that various needs, voices, and opinions were identified and appropriately incorporated into project design, the project team hired an expert Landscape Architecture firm to conduct a comprehensive public engagement process that took place over the course of several months and involved multiple interviews, meetings, and surveys. The project's Community Outreach kicked-off in April 2019 with park visits and park-user interviews in English and Spanish, and talking with residential, business, church, school, and health-care neighbors, major event hosts, and sport-league organizers. Three scenarios of potential improvements were presented at the May 30, 2019 Community Open House meeting based on the input gathered to date blended with the project team's experience in park design projects throughout Colorado. Following the May 30, 2019 meeting, there was an online survey for additional public input. This survey was administered from June 4-18, 2019 and received a total of 255 responses. At the second Community Open House on July 11, 2019, a scenario was presented based on community input at the previous meeting, survey, and interviews.

The project team received responses or interviews from 14 Glenwood Springs staff members including the Chief of Police, Fire Chief, City Engineer, Transportation Manager, Water-Wastewater Manager, Electric Department, Assistant Community Development Director, GIS mapping, Facility Coordinator, Marketing and Event Coordinator, Athletic Program Coordinator, and Parks Maintenance and Management. In addition, the project team sought the input of various organized sports leagues and clubs who frequently utilize the Sayre Park facilities including Thunder Baseball Team, Three Rivers Little League, Game-On Sports, Hoops D'Ville Basketball Tournament, Glenwood Springs Soccer Club, Bike Polo Stomparillaz Tournament, Glenwood Springs Highschool Tennis, Soccer, PE, Defiance Rugby, and Roaring Fork Valley Lacrosse. Key park special events hosts and institutional neighbors including Glenwood Chamber Resort Association, Saint Stephens Catholic Church, Saint Stephens Catholic School, Good Shephard Lutheran Church, St. Barnabas Episcopal Church, Valley View Hospital and Youth Recovery Center, Valley View Preschool, Glenwood Rotary Club, and Glenwood Lions Club were also interviewed.

In addition to community input on the design of the project, the development of the Sayre Park Improvements has been made possible through public-private partnership. The City has partnered with Game On Camps and Hoop d'Ville as primary stakeholders in the project for fundraising efforts. Grand River Construction also generously provided 60% of the Phase 1 costs pro-bono and the City was awarded a \$25,0000 FMLD Mini Grant for portions of Phase 1.

As a testament to wider community support the project, the Phase 2 of the Sayre Park Improvement project seeking LWCF has received letters of support from local stakeholders including the Glenwood Springs Downtown Development Authority, the Glenwood Springs Chamber Resort Association, the Rotary Club of Glenwood Springs, Glenwood Springs Parks and Recreation Commission and Glenwood Springs residents (see letters of support attached).

EXHIBIT A

#6 – Project Feasibility and Likelihood of Success – 15 Points

The project team is confident that the proposed project can be completed within 3 years of grant award, and anticipates a project start date of September 2022 and a park reopening date of June 2023. Limiting factors to this opening date include, delays on the grant award, lead time for materials, and contractor availability; however, these factors should not prevent the project from being open and available to the public within the 3-year time limit.

The project team will be led by Glenwood Springs City Manager, Debra Figueroa who will be responsible for oversight and financial management of the project. The day-to-day activities of the project will be led by Glenwood Springs Parks and Recreation Director, Brian Smith. Together, Debra and Brian have over 24 years of combined experience implementing similar projects to the Sayre Park Improvements project. This has included the successful execution of several park development projects including Two Rivers Park, Veltus Park, and the South Canyon Trails Plan. These park developments have successfully deployed over \$750,000 in grant funding from sources such as the Garfield County Federal Mineral Lease District, the Colorado River District, the Colorado Parks and Wildlife, the Colorado Department of Local Affairs, Great Outdoors Colorado, the Colorado Water Conservation Board, Outdoor Recreation Roundtable, and the National Endowment for the Arts.

Following the completion of the project, the site will continue to be managed and maintained by the Glenwood Springs Parks and Recreation Department. Funding for park maintenance is derived from Parks and Recreation General fund tax revenue.



Project Boundary



Utility Easement

North Hyland Park Drive

Grand Avenue

Blake Avenue

Hyland Park Drive



City of Glenwood Springs
Project Boundary Location Map
2021 LWCF Grant Application



This map was produced by the City of Glenwood Springs.
Use of this map should be for general purposes only.
City of Glenwood Springs does not warrant the accuracy of the data contained herein.



Sayre Park

Glenwood Springs
Elementary School

Grand Avenue

Glenwood Springs
High School

Colorado Mountain
College

North Hyland Park Drive

Hyland Park Drive

Blake Avenue

St. Stephens Catholic
Church & School

Valley View
Hospital

Garfield County
Public Health



City of Glenwood Springs
Sayre Park Vicinity Map
2021 LWCF Grant Application



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November 21, 2019



GLENWOOD
SPRINGS
COLORADO

PRELIMINARY CONCEPT PLAN



Restroom Facilities



Playground Facilities



Sayre Park Concept Plan
Opinion of Probable Cost



Date: 8/29/2019

Item	Description	Quantity				Units	Unit Price	Sub-total by Area				Project Item Total
		Lower Bench	Middle Bench	Upper Bench	All Areas			Lower Bench	Middle Bench	Upper Bench	All Areas	
1	Mobilization				1	LS	\$ 50,000.00				\$ 50,000.00	\$ 50,000.00
2	Traffic control				1	LS	\$ 5,000.00				\$ 5,000.00	\$ 5,000.00
3	Construction staking				1	LS	\$ 2,700.00				\$ 2,700.00	\$ 2,700.00
4	Quality control testing				1	LS	\$ 3,700.00				\$ 3,700.00	\$ 3,700.00
							Subtotal				\$ 61,400.00	\$ 61,400.00
Demolition												
5	Remove Fence From Playground Area	0	1	1	1	LS	\$ 1,100.00	\$ -	\$ -	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00
6	Temporarily Remove & Store Playground Equipment	0	1	1	1	LS	\$ 3,600.00	\$ -	\$ -	\$ 3,600.00	\$ 3,600.00	\$ 3,600.00
7	Remove Existing Restroom Building	1	0	1	1	LS	\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$ 15,000.00	\$ 15,000.00
8	Remove Electrical Lines & Junction Boxes	0	0	0	0	LS	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
9	Remove Irrigation System in Construction Areas	0	0	0	0	LS	\$ 2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -
10	Other:											
11	Other:											
12	Other:											
13	Other:											
							Subtotal	\$ -	\$ 15,000.00	\$ 4,700.00	\$ 19,700.00	\$ 19,700.00
Earthwork and Retaining Walls												
14	Strip & Haul Off Unsuitable and Excess Material (**Allowance)	1	1	2	2	LS	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00
15	Strip, Excavate, and Stockpile Sod/Topsoil Within Project Limits	13452	9963	23415	2	SF	\$ 0.50	\$ -	\$ 6,726.00	\$ 4,981.50	\$ 11,707.50	\$ 11,707.50
16	Earthwork Regrading & Material Placement	1	1	2	2	LS	\$ 12,000.00	\$ -	\$ 12,000.00	\$ 12,000.00	\$ 24,000.00	\$ 24,000.00
17	Other:											
18	Other:											
19	Other:											
							Subtotal	\$ -	\$ 23,726.00	\$ 21,981.50	\$ 45,707.50	\$ 45,707.50
Asphalt Paving and Sidewalk Prep												
20	Subgrade Prep & Compaction (all sidewalks)	6635	0	6635	0	SF	\$ 0.50	\$ -	\$ 3,317.50	\$ -	\$ 3,317.50	\$ 3,317.50
21	Install 4" White Parking Striping and ADA Markings	168	168	336	0	LF	\$ 3.00	\$ -	\$ 504.00	\$ 504.00	\$ 1,008.00	\$ 1,008.00
22	Other:	0	0	0	0	LF		\$ -	\$ -	\$ -	\$ -	\$ -
23	Other:											
24	Other:											
25	Other:											
							Subtotal	\$ -	\$ 3,821.50	\$ 504.00	\$ 4,325.50	\$ 4,325.50
Concrete / Masonry Work												
26	Install Concrete sidewalk and Steps (4" Thick)	6635	0	6635	0	SF	\$ 7.00	\$ -	\$ 46,445.00	\$ -	\$ 46,445.00	\$ 46,445.00
27	Install 18" Wide Curb and Gutter	0	215	215	0	LF	\$ 24.00	\$ -	\$ -	\$ 5,160.00	\$ 5,160.00	\$ 5,160.00
28	Install 8" Wide x 24" Depth Concrete Playground Edge Curb	0	224	224	0	LF	\$ 20.00	\$ -	\$ -	\$ 4,480.00	\$ 4,480.00	\$ 4,480.00
29	Install Concrete ADA Curb Ramp	1	1	2	0	EA	\$ 1,950.00	\$ -	\$ 1,950.00	\$ 1,950.00	\$ 3,900.00	\$ 3,900.00
30	Other:											
							Subtotal	\$ -	\$ 48,395.00	\$ 11,590.00	\$ 59,985.00	\$ 59,985.00
Slope Protection/Erosion Control												
31	Install and Maintain Silt Fence	1	1	2	0	LS	\$ 1,200.00	\$ -	\$ 1,200.00	\$ 1,200.00	\$ 2,400.00	\$ 2,400.00
32	Install 8" Straw Wattles	1	1	2	0	LS	\$ 500.00	\$ -	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00
33	Install and Maintain Inlet Sediment Bags	0	1	1	0	LS	\$ 350.00	\$ -	\$ -	\$ 350.00	\$ 350.00	\$ 350.00
34	Install and Maintain Gravel Bags Along Curbs	0	1	1	0	LS	\$ 400.00	\$ -	\$ -	\$ 400.00	\$ 400.00	\$ 400.00
35	Install Tree Protection (T-Posts & Fencing)	0	1	1	0	LS	\$ 800.00	\$ -	\$ -	\$ 800.00	\$ 800.00	\$ 800.00
36	Other:											
37	Other:											
38	Other:											
39	Other:											
							Subtotal	\$ -	\$ 1,700.00	\$ 3,250.00	\$ 4,950.00	\$ 4,950.00
Buildings, Structures, and Playground Equipment												
40	New Restroom Facilities	1150		1150	0	SF	\$ 375.00	\$ -	\$ 431,250.00	\$ -	\$ 431,250.00	\$ 431,250.00
41	New Pavilion Structures	0	800	800	0	SF	\$ 175.00	\$ -	\$ -	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00
42	Ages 5-12 Playground Equipment	0	1	1	0	LS	\$ 250,000.00	\$ -	\$ -	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00
43	Ages 3-5 Playground Equipment	0	1	1	0	LS	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
44	Deck Viewing Platform at Playground	0	1	1	0	LS	\$ 3,500.00	\$ -	\$ -	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00
45	Other:											
							Subtotal	\$ -	\$ 431,250.00	\$ 493,500.00	\$ 924,750.00	\$ 924,750.00
Water Service, Storm, and Sanitary Sewer												
46	Install Water Service to Restrooms and Pavilions	1	322	323	0	LF	\$ 85.00	\$ -	\$ 85.00	\$ 27,370.00	\$ 27,455.00	\$ 27,455.00
47	Install Sewer Service to Restrooms	1	82	83	0	LF	\$ 90.00	\$ -	\$ 90.00	\$ 7,380.00	\$ 7,470.00	\$ 7,470.00
48	Install Underdrain System at Playgrounds	0	1	1	0	LS	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
49	Modify Storm Drain Inlets and Piping (General)	1	1	2	0	LS	\$ 4,500.00	\$ -	\$ 4,500.00	\$ 4,500.00	\$ 9,000.00	\$ 9,000.00
50	Other:											
							Subtotal	\$ -	\$ 4,675.00	\$ 74,250.00	\$ 78,925.00	\$ 78,925.00
Landscaping												
51	Soil Preparation - Tilling and fine grading	1	1	2	0	LS	\$ 3,500.00	\$ -	\$ 3,500.00	\$ 3,500.00	\$ 7,000.00	\$ 7,000.00
52	Screened topsoil import 6"	1	1	2	0	LS	\$ 4,500.00	\$ -	\$ 4,500.00	\$ 4,500.00	\$ 9,000.00	\$ 9,000.00
53	Sod	1273	0	1273	0	SF	\$ 3.50	\$ -	\$ 4,455.50	\$ -	\$ 4,455.50	\$ 4,455.50
54	Deciduous Trees (3" CAL)	23	18	41	0	EA	\$ 950.00	\$ -	\$ 21,850.00	\$ 17,100.00	\$ 38,950.00	\$ 38,950.00
55	Coniferous Trees (8-10' HT)	7	0	7	0	EA	\$ 950.00	\$ -	\$ 6,650.00	\$ -	\$ 6,650.00	\$ 6,650.00
56	Deciduous Shrubs (5 GAL)	66	55	121	0	EA	\$ 46.00	\$ -	\$ 3,036.00	\$ 2,530.00	\$ 5,566.00	\$ 5,566.00
57	Coniferous Shrubs (2-3' HT)	34	0	34	0	EA	\$ 210.00	\$ -	\$ 7,140.00	\$ -	\$ 7,140.00	\$ 7,140.00
58	Ornamental Grasses (5 GAL)	33	11	44	0	EA	\$ 31.00	\$ -	\$ 1,023.00	\$ 341.00	\$ 1,364.00	\$ 1,364.00
59	Perennials (1 GAL)	101	82	183	0	EA	\$ 16.00	\$ -	\$ 1,616.00	\$ 1,312.00	\$ 2,928.00	\$ 2,928.00
60	Mulch 3" Depth	4208	3474	7682	0	SF	\$ 1.50	\$ -	\$ 6,312.00	\$ 5,211.00	\$ 11,523.00	\$ 11,523.00
61	Playground Surfacing - playground rated depth	0	11123	11123	0	SF	\$ 20.00	\$ -	\$ -	\$ 222,460.00	\$ 222,460.00	\$ 222,460.00
62	Landscape edging - 1/8" x 4" rolled top black metal.	56	25	81	0	LF	\$ 3.85	\$ -	\$ 215.60	\$ 96.25	\$ 311.85	\$ 311.85
							Subtotal	\$ -	\$ 60,298.10	\$ 257,050.25	\$ 317,348.35	\$ 317,348.35
Irrigation												
63	Irrigation System Modifications	1	1	2	0	LS	\$ 5,500.00	\$ -	\$ 5,500.00	\$ 5,500.00	\$ 11,000.00	\$ 11,000.00
							Subtotal	\$ -	\$ 5,500.00	\$ 5,500.00	\$ 11,000.00	\$ 11,000.00
Electrical/Lighting												
64	Electric service, permits, and coordination with Holy Cross Electric	1	1	2	0	LS	\$ 7,200.00	\$ -	\$ 7,200.00	\$ 7,200.00	\$ 14,400.00	\$ 14,400.00
65	Install Electrical Service to New Pavilions and Restrooms	1	1	1	0	LS	\$ 8,000.00	\$ -	\$ 8,000.00	\$ 8,000.00	\$ 16,000.00	\$ 16,000.00
66	Relocate Electrical Equipment (General)	1	1	2	0	LS	\$ 1,700.00	\$ -	\$ 1,700.00	\$ 1,700.00	\$ 3,400.00	\$ 3,400.00
67	Other:	0	0	0	0	EA		\$ -	\$ -	\$ -	\$ -	\$ -
							Subtotal	\$ -	\$ 16,900.00	\$ 16,900.00	\$ 33,800.00	\$ 33,800.00
Signage												
68	Wayfinding signs	0	1	1	0	LS	\$ 3,800.00	\$ -	\$ -	\$ 3,800.00	\$ 3,800.00	\$ 3,800.00
69	Playground Signage	0	1	1	0	LS	\$ 700.00	\$ -	\$ -	\$ 700.00	\$ 700.00	\$ 700.00
70	Volleyball Court Signage	0	1	1	0	LS	\$ 500.00	\$ -	\$ -	\$ 500.00	\$ 500.00	\$ 500.00
							Subtotal	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
Furnishings												
71	Install Handrails at Steps and ADA Ramps (>8%)	532	174	706	0	LF	\$ 35.00	\$ -	\$ 18,620.00	\$ 6,090.00	\$ 24,710.00	\$ 24,710.00
72	New Bear Saver trash receptacles	3	7	10	0	EA	\$ 2,000.00	\$ -	\$ 6,000.00	\$ 14,000.00	\$ 20,000.00	\$ 20,000.00
73	New Drinking Fountain w / Bottle Filler	1	2	3	0	EA	\$ 4,000.00	\$ -	\$ 4,000.00	\$ 8,000.00	\$ 12,000.00	\$ 12,000.00
74	Dumor Plastic Benches	2	5	7	0	EA	\$ 1,000.00	\$ -	\$ 2,000.00	\$ 5,000.00	\$ 7,000.00	\$ 7,000.00
75	New BBQ Grill Stations	1	2	3	0	EA	\$ 500.00	\$ -	\$ 500.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00
							Subtotal	\$ -	\$ 31,120.00	\$ 34,090.00	\$ 65,210.00	\$ 65,210.00
							SUBTOTAL	\$ -	\$ 642,385.60	\$ 928,315.75	\$ 1,632,101.35	\$ 1,632,101.35

Contingency @ 10%	\$ 163,210.14
GRAND TOTAL	\$ 1,795,311.49

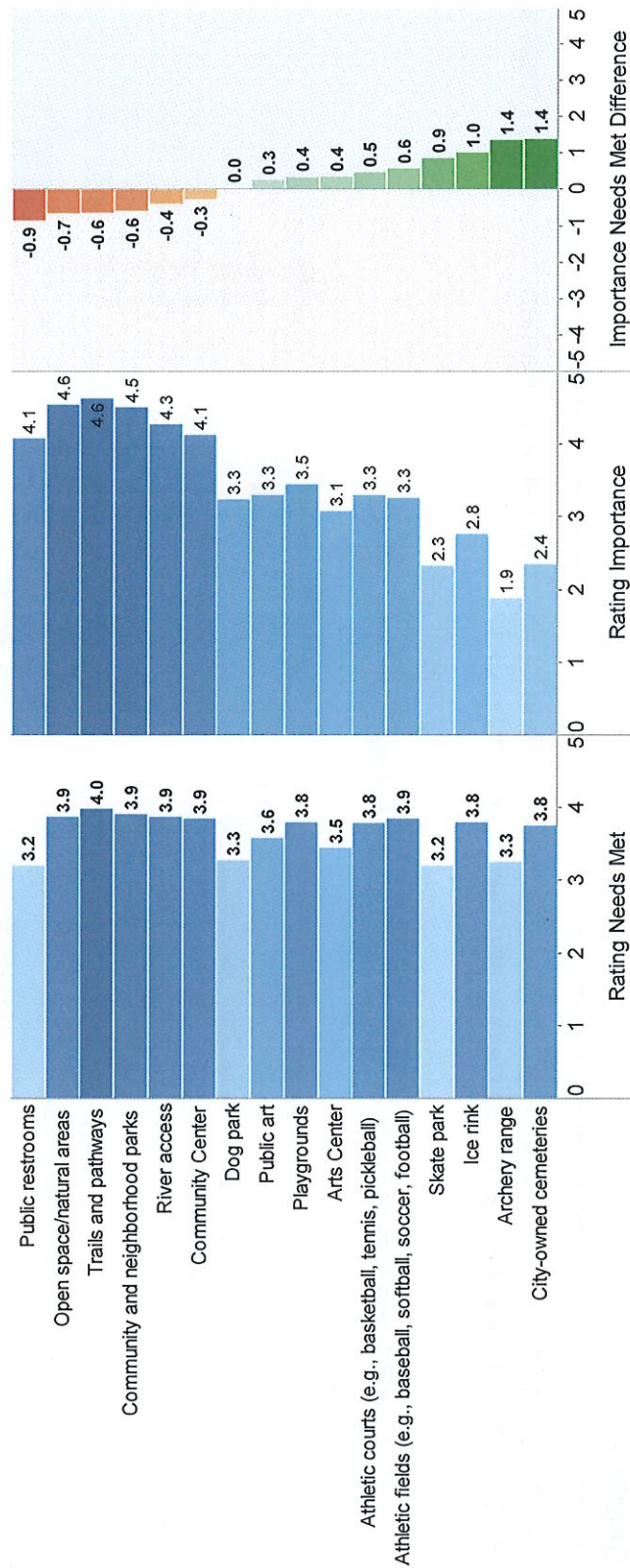
FACILITIES – IMPORTANCE/NEEDS MET MATRIX

INVITE SAMPLE

The graph below highlights the differences between the average rating of meeting the needs of the community and the average importance rating for facilities for the Invite sample. The greatest disparities in average ratings (although small) are public restrooms, open space/natural areas, trails and pathways, community and neighborhood parks, trails and pathways and neighborhood parks.

Difference Between Average Rating for Meeting the Needs and Average Importance Rating

Facilities
Invite Sample





City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Update on Downtown Circulator

Action Requested: None

Department: Engineering

Presented By: Lee Barger

Strategic Goals: Protect and Preserve our Quality of Life
Generate Sustainable Economic Development

Background Info: Conversations about a transit system to move passengers throughout the downtown area have been happening for the past few years. Staff has worked to understand the needs and costs of such a program and will provide an update.

Issues: NA

Fiscal Impact: Unknown at this time.

Legal Review: NA

Staff Recommendation: NA



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: April 18, 2024 Council Minutes
Action Requested: April 18, 2024 City Council Minutes
Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



MINUTES
CITY OF GLENWOOD SPRINGS
CITY COUNCIL MEETING
APRIL 18, 2024
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 6. 7:07 Roll Call

Present: Mayor Wussow, Councilor Godes, Councilor Weimer, Councilor Kaup, Councilor Schacter, Councilor Zalinski. Also present were; City Manager Steve Boyd; Lieutenant John Hassell; Deputy City Clerk Danyelle Rigli; City Engineer Ryan Gordon; City Attorney Karl Hanlon; Finance Director Yvette Gustad, Director of Economic and Community Development Hannah Klausman, and Executive Assistant Sara Weigel.

Item 7. 7:27 Agenda changes and conflicts

Mayor Pro-Tem Dehm added the announcement of the Council Social Event as the last item of the evening.

Item 8. 7:50 Council Announcements

None were given.

Item 9. 8:00 Citizens Appearing Before Council (for items not on the agenda-comments limited to 3 minutes)

8:05 Mayor Wussow opened the floor for public comment.

Public comments were made.

9:07 Mayor Wussow closed the floor for public comment.

Item 10. 9:15 Council Announcements and Reaction to Public Comments

None were given.

Item 11. 9:24 Consent Agenda

9:27 Councilor Kaup moved to approve the consent agenda. Mayor Pro-Tem Dehm seconded the motion.

The motion passed unanimously.

10:28 Councilor Schacter made a comment regarding the Consent Agenda Item involving the electric rate increase.

Item 12. 10:53 Proclamation: National Donate Life Month Presentation

Mayor Wussow presented representatives from the Chris Klug Foundation. Jessi Rochel, Executive Director, an unnamed living donor, and Board Member Kate Dobbs commented on their organization and this proclamation.

Item 13. 15:14 Youth Zone Update

Ali Naaseh-Shahry, Deputy Development Director and Lyn Williams, Director of Operations for Youth Zone presented.

Item 14. 29:05 South Bridge Update

City Engineer Ryan Gordon presented an update of the South Bridge Project as well as several other city-wide projects for the calendar year.

Item 15. 50:40 Ordinance 2024-06; Budget Amendment 2

City Manager Steve Boyd presented.

51:29 Mayor Wussow opened the floor for public comment.

No public comment was made.

51:35 Mayor Wussow closed the floor for public comment.

51:48 Mayor Pro-Tem Dehm moved to approve Ordinance 2024-06; Budget Amendment 2. Councilor Zalinski seconded the motion.

The motion passed unanimously.

Item 16. 52:09 Award of RFP 2023-36P for Trash, Restroom and Mowing Services

City Manager Steve Boyd presented.

52:51 Councilor Kaup moved to approve Award of RFP 2023-36P for Trash, Restroom and Mowing Services and allocate 50% of the 7.5% transfer from the tourism fund and take the rest of the \$231,000 remainder from the tourism fund reserves in the general fund. Also included is to set a future work session to discuss future funding for this item. Councilor Zalinski seconded the motion.

The motion passed unanimously.

Item 17. 46:46 West Mountain Regional Housing Coalition Buy Down Program

Hannah Klausman, Director of Economic and Community Development presented along with Heather Henry, board member of the West Mountain Regional Housing Coalition.

Councilor Zalinski, Councilor Godes, Councilor Schacter, and Mayor Wussow made comments.

1:07:28 Councilor Godes moved to provide \$200,000 for the Western Mountain Regional Housing Coalition Buy Down Program with the funds to come from the Tourism Reserves.

The motion died for lack of a second.

1:08:09 Councilor Schacter moved to approve the funding of \$100,000 from the general fund reserves with the consideration as soon as we enter the next budget cycle and based on recommendations and support from the housing commission and 2c commission to get broader support for this, and time to see feedback from the regional coalition as to what is happening before we're prepared to commit another \$100,000. Jonathan Godes seconded.

Councilor Kaup moved to amend the motion to include the full \$200,000 that is being asked for.

Mayor Wussow, Mayor Pro-Tem Dehm, Councilor Godes, Councilor Schacter, and Councilor Zalinski made comments.

1:24:56 Councilor Schacter amended his original motion to include the full \$200,000 subject to the appropriation at the discretion of the City Manager. Councilor Godes seconded the motion. The motion passed 6-1 with Councilor Godes voting against.

Item 18. 1:51:48 Resolution 18; Temporary Location Requirement Extension for Mobile Businesses

City Attorney Karl Hanlon presented.

2:05:01 Councilor Weimer proposed to accept the Resolution as written. Councilor Kaup seconded.

Mayor Wussow, Councilor Godes, and Councilor Schacter made comments.

2:12:25 The motion passed 5-2 with Mayor Wussow and Councilor Godes voting against.

Item 19. 2:13:21 Council Comments

Councilor Schacter, Mayor Pro-Tem Dehm, Councilor Zalinski, Councilor Weimer, Councilor Godes, Mayor Wussow, and Councilor Kaup made comments.

Item 20. 2:35:35 Report from City Administration

City Manager Steve Boyd made comments.

City Attorney Karl Hanlon made comments.

Item 21. Council Social Event Location

No announcement was given.

Item 22. 2:38:00 Adjournment

2:38:07 Councilor Kaup moved to adjourn. Councilor Weimer seconded. The motion passed unanimously.



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item:	Urban Sustainability Directors Network Grant
Action Requested:	Requesting approval from City Council to enter into agreement with the Urban Sustainability Directors Network's (USDN) Center for Regenerative Solutions (CRS) project for administration of the U.S. Forest Service (USFS) Investment Recovery Act (IRA) Federal Award Identification Number (FAIN) 24-CA-11132544-016 in the amount of \$600,000.
Department:	Parks & Recreation
Presented By:	Rod Tarullo
Strategic Goals:	Protect and Preserve our Quality of Life
Background Info:	In August 2023, the City of Glenwood Springs was awarded a \$600,000 grant from the USDA Forest Service. The funding was awarded to organizations with the capacity and intentions to increase urban access to nature, improve air quality, keep city streets cool during sweltering summers, tackle the climate crisis, and create safer, healthier communities through proper urban forestry management, protection, and expansion. 100% of benefits are intended to flow to disadvantaged communities, which for the City of Glenwood Springs include communities at risk of wildfire, limited English-speaking communities, communities with higher flood risk, and communities with lower income and vulnerable populations. The grant funds were initially awarded with a 1:1 match requirement, which was able to be funded through standard parks budget items including: ROW Tree Maintenance, Employee Salaries, Professional Development, and Small Equipment. The initial grant period was 5 years. Since the awards were announced, the Forest Service has reduced the grant term length to 3 years and is no longer requiring matching funds. They have also moved grant administration to the Urban Sustainability Directors Network's (USDN) Center for Regenerative Solutions (CRS) project. This now requires us to enter into agreement with USDN for their administration of the Forest Service grant.
Issues:	There are no known issues at this time. Issues may arise if the City retracts matching funding amounts which were included in the budget before the grant, as the grant funds are not applicable to all parts of the City. Our internal funding should still be available to cover expenses outside the disadvantaged community maps.
Fiscal Impact:	This should only have positive fiscal impacts. City owned properties and residential ROW green infrastructure will be significantly improved, reducing the financial burden on city departments to mitigate emergency tree situations. Upon approval, we will receive installations of \$200,000 per year for the next three years (2024, 2025, 2026).
Legal Review:	The City Attorney has reviewed.
Staff Recommendation:	Recommending approval from City Council to enter into agreement with the Urban Sustainability Directors Network's (USDN) Center for Regenerative Solutions (CRS) project for administration of the U.S. Forest Service (USFS) Investment Recovery Act (IRA) Federal Award Identification Number (FAIN) 24-CA-11132544-016 in the amount of \$600,000.

GRANT AGREEMENT BETWEEN THE URBAN SUSTAINABILITY DIRECTORS NETWORK AND THE CITY OF GLENWOOD SPRINGS

This Grant Agreement (“Agreement”), dated **March 13, 2024** (“Effective Date”), is between the Urban Sustainability Directors Network, an Illinois nonprofit with offices at 208 SO Lasalle St, Suite 814, Chicago, IL 60604-1101 (“USDN” or “Grantor”), and the city of Glenwood Springs, incorporated under the laws of the state of Colorado and located at 101 W 8th Street Glenwood Springs, CO 81601 (“Grantee”) (collectively, the “Parties”).

WHEREAS, the City of Glenwood Springs is charged with the implementation of Glenwood Springs Tree Planting, Maintenance, and Education Program; and

WHEREAS, USDN is a nonprofit organization that brings local government sustainability practitioners together to learn, collaborate, and accelerate the work of local sustainability; and

WHEREAS, USDN’s project The Center for Regenerative Solutions (“CRS”) is charged with administering the U.S. Forest Service (“USFS”) Investment Recovery Act (“IRA”) Federal Award Identification Number (FAIN) 24-CA-11132544-016 award to USDN; and

WHEREAS, the City of Glenwood Springs works to support tree planting, city tree maintenance, tree removal, tree care support for private landowners, training and outreach, and program management; and

WHEREAS, CRS desires to make a grant of **\$600,000.00** (the “Grant”) to the **City of Glenwood Springs** to support the **Glenwood Springs Tree Planting, Maintenance, and Education Program** (“Project”), which seeks to increase access to funding for tree maintenance in the public right of way, providing maintenance assistance to disadvantage residents, developing educational resources for community members, and organizing training and workshopping events to build grassroots participation in tree planting and care; and

NOW, THEREFORE, the Parties seek to enter into this Agreement, subject to the following terms and conditions:

1. Term.

The Term of this Agreement shall commence on **March 13, 2024** and shall continue through **March 13, 2027** (the “Term”). The Term may be extended upon mutual written agreement of the Parties, subject to the terms set forth in the [USDN Award Guidelines and Policies](#).

2. Scope of Work.

The Parties shall perform the work described in Scope of Work contained in Appendix A and B, attached hereto and made a part hereof.

3. Payment.

USDN shall provide funding to Grantee in an amount not to exceed **\$600,000.00**, in increments made according to the Payment Schedule set forth in Appendix A and with sufficient evidence of scheduled progress in Grantee progress reports.

4. Invoices.

Grantee shall submit to USDN a completed ACH Authorization Form, W-9 Form and Form AD-1048. USDN processes approved invoices within 30 days of receipt. Grantee shall address invoices to:

Urban Sustainability Directors Network (USDN)
Reference: **CRS14 – Glenwood Springs, CO**
Attn: Jamal Brown, USDN Director of Finance, People, and Culture
jambrown@usdn.org

5. Prohibited Uses. Grant funds shall not be used for lobbying or equipment purchases.

6. Procurement. All non-Federal entities must follow the procurement standards in [§§ 200.318](#) through [200.327](#).

7. Primary Contacts.

- a. **USDN:** Jamal Brown, USDN Director of Finance, People, and Culture, jambrown@usdn.org
- b. **Grantee:** City of Glenwood Springs

- c. **Project Manager:** Heather Listermann, City of Glenwood Springs, Urban Ecology and Public Spaces Supervisor, heather.listermann@cogs.us
Secondary Contact: Steve Boyd, City of Glenwood Springs, Chief Operating Officer, steve.boyd@cogs.us

8. Entire Agreement.

This Agreement and the Appendices herein constitutes the final and entire agreement between USDN and Grantee. The terms of this Agreement may be modified only by a written amendment signed by both Parties. If the Grantee proves unable to meet the commitments contained within this document, USDN will consult with the Grantee and USFS to seek an appropriate solution. If the default cannot be remedied, USDN retains the right to require a refund of any unobligated and/or unspent funds within 30 days of prior written notice to the Grantee.

IN WITNESS WHEREOF, the Parties hereby accept and agree to the foregoing terms and conditions of this Agreement and have executed this Agreement as of the date written below.

The City of Glenwood Springs, CO

By: _____

Ingrid Wussow

Title: City Mayor

Date: _____

URBAN SUSTAINABILITY DIRECTORS NETWORK

By: _____

Jamal Brown

Title: USDN Director of Finance, People, and Culture

Date: _____

Appendix 1. Roles and Responsibilities

This appendix describes partnership roles, deliverables, due dates, and invoicing schedule.

1. **Purpose and Scope.** The work is described in greater detail in the Final Project Proposal, Appendix 2.
2. **Project Term.** If more time is required than what is specified in the signed grant agreement, the Lead Community indicates this to their assigned CRS team member as soon as that is known, so an extension can be discussed and documented. Please reference the [USDN Award Guidelines and Policies](#) for more information about this process.
3. **Responsibilities**
 - a. **USDN.** CRS/USDN, as Grantor, is responsible for:
 - i. **Funding.** USDN provides funding for the project in an amount not to exceed **\$600,000.00** USD. Payment(s) are made according to the schedule shown in Table 1.
 - ii. **Technical Assistance.** USDN contracts directly with [Sutherland & Associates](#) (S&A) to facilitate execution of these award agreements. S&A assists the CRS team with any decision-making that impacts this MOU or any associated agreements / payments. The CRS team receives, confirms, and processes all deliverables, quarterly reports, and invoices throughout the life of the project. They monitor progress and capture the impacts of the investment.
 - iii. **Payment Processing.** USDN processes Grantee invoices upon receipt via the Lead Community, within 30 days.
 - Invoices are submitted to the CRS team.¹ Once they approve, invoices are forwarded to and paid by USDN.
 - Project funds are expended per the proposed budget to fulfill the scope of the final and awarded proposal.
 - b. **City of Glenwood Springs.** The Grantee is responsible for:
 - i. **Budget and disadvantaged community confirmations.** Confirming that (1) the budget does not exceed the awarded amount and meets the requirements per the [USFS Award Administration Guide](#); and (2) the communities being served are represented in the U.S. Environmental Protection Agency's (EPA) [IRA Disadvantaged Communities Map](#) or a similar tool.
 - If using any other tool, like the EPA Environmental Justice and Screening Mapping Tool or other agency or state tools, provide proof of disadvantaged status from those tools.
 - Contact the CRS team to discuss use of other tools.
 - ii. **Project Management and Coordination.** Providing the project management and

¹ To prevent any payment delays, the Grantee lets CRS staff know of any schedule or staffing changes with as much advance notice as possible so that schedules can be adjusted.

coordination necessary to complete the project.

- iii. **Regular Updates.** Submitting reports twice a year, following the reporting form(s) received from the CRS team and in accordance with the schedule in Table 1.
 - **Federal Impact Reporting Platform.** To support consistent and transparent public access to project outcomes funded through the Inflation Reduction Act, grantees are required to report quantitative and qualitative project accomplishments for reporting periods ending June 30 and December 31 to a public-facing Impact Reporting Platform. Grantees will be provided instructions for project impact reporting.
- iv. **Final Products and Reporting.** By **March 13, 2027**, submitting:
 - **Project Products / Outputs.** All substantial products and outputs produced as high-quality deliverables, for posting to the USDN website.
 - **Final Project Report.** The final reporting form will be sent via email by the CRS team with reporting date reminders.
 - **High Resolution Photos.** High resolution .jpg photographs of project work, to potentially be used in USDN communications.
 - **Project Budget and Expenditures.** A detailed record of project expenditures, including a comparison of original budget to award expenditures. Please simply modify and return your proposal budget to show proposed and actual expenditures.
- v. **USDN Communications.** Grantees may be asked to present project outcomes during a CRS/USDN virtual or in person meeting, if requested.²

4. **Project Participants and Primary Contacts.** In addition to the Grantee and Primary Contact specified in this agreement's item 6, the project team includes these participants:

a. **Project Participant.**

- i. **Roaring Fork Outdoor Volunteers.** Melissa Daniels, Program Director, (970) 927-8241, mdaniels@rfov.org
Role: A community-based non-profit that promotes stewardship of public lands by engaging the community in education, restoration, and conservation projects. In 2022, RFOV organized volunteer work on 67 projects, with 1,304 volunteers contributing 10,084 hours to trail work, tree planting, trash pickup, fire mitigation, and youth education activities. Melissa Daniels, Program Director, will participate in education and community outreach events.

Project Participant Check List:

- **Add as needed.** Name any CBO partners and state what kind of relationship they have with the community they are serving.

² This request is subject to USDN's communications schedule and is not guaranteed to be made.

- Provide CRS staff with any supporting documentation, like a support letter, a task plan for the CBO, etc. as proof of this.
- Ensure that any contractors noted in the narrative are secured in accordance with federal procurement guidelines. (All non-Federal entities must follow the procurement standards in §§ 200.318 through 200.327)

5. Project Scope: Deliverables, Timeline, Reporting and Payment Schedule. Project activities, deliverables, and due dates are scheduled below in Table 1.³

Table 1. Schedule of Project Deliverables and Payments

#	Activity	Deliverables	Due Date	Payment / Recipient
		Agreements: Signed MOU and other project agreements	Not later than 30 days after MOU is delivered	Payment 1 upon fully executed MOU and associated invoice: \$200,000.00 to Glenwood Springs, CO
Year 1 - 2024				
1	Activity 1.	Deliverable 1: (Goal 4.1) Create a webpage dedicated to the expanded program with contact information and resource links by Q4 2024.	Date: October 1, 2024	
2	Activity 2.	Deliverable 2: (Goal 6.1) Complete and share the Urban Forestry Guidelines Document by Q4 2024.	Date: October 1, 2024	
3	Activity 3.	Deliverable 3: (Goal 6.2) Complete and share the Urban Forestry Management Plan by Q4 2024.	Date: October 1, 2024	
	Progress Update 1	250-word update	PR1: October 1, 2024	
4	Activity 4.	Deliverable 4: (Goal 1.1) Plant at least 45 1.5-inch or larger trees in 2024.	Date: December 3, 2024	
5	Activity 5.	Deliverable 5: (Goal 4.2) Fund at least 30 tree maintenance projects through the program in 2024.	Date: December 3, 2024	
	Progress Update 2	250-word update	PR2: December 3, 2024	
Year 2 - 2025				

³ Please add these dates to calendars(s) and proactively notify CRS staff if it is anticipated that any deliverable due dates will shift after this award agreement is executed. Schedules will be adjusted accordingly. Table 1 becomes the project's Deliverables Report. Each time a deliverable is received, it is returned to the Lead Community from CRS with notes/links as a receipt. This method keeps each party clear and aligned on the status of the work.

6	Activity 6.	Deliverable 6: (Goal 2.1) Decrease % of trees in fair or worse condition from 28% to 25% by Q1 2025.	Date: March 3, 2025	Payment 2 receipt of deliverable and associated invoice: \$200,000.00 to Glenwood Springs, CO.
	Progress Update 3	250-word update	PR3: June 1, 2025	
7	Activity 7.	Deliverable 7: (Goal 3.2) Start a tree replacement program for residential homeowners and promote the use of the approved species lists.	Date: September 2, 2025	
8	Activity 8.	Deliverable 8: (Goal 5.2) Regularly promote the Assistance Program and workshop events through social media, the program webpage, and news outlets.	Date: September 2, 2025	
	Progress Update 4	250-word update	PR4: December 1, 2025	
Year 3 - 2026				
9	Activity 9.	Deliverable 9: (Goal 1.5) Hold an annual Arbor Day tree planting event every year of project period.	Date: April 1, 2026	Payment 3 upon receipt of deliverable and associated invoice: \$200,000.00 to Glenwood Springs, CO.
10	Activity 10:	Deliverable 10: (Goal 4.3) Fund at least an average of 25 maintenance projects annually over project period.	Date: April 1, 2026	
11.	Activity 11.	Deliverable 11: (Goal 4.3) Fund at least an average of 25 maintenance projects annually over project period.	Date: April 1, 2026	
12.	Activity 12.	Deliverable 12: (Goal 5.2) Hold annual tree pruning workshop.	Date: April 1, 2026	
13	Activity 13.	Deliverable 13: (Goal 5.3) Hold annual pest and disease workshop.	Date: April 1, 2026	
14	Activity 14.	Deliverable 14: (Goal 5.4) Hold annual tree planting, watering, and staking workshop.	Date: April 1, 2026	
15	Activity 15.	Deliverable 15: (Goal 5.5) Mail out seasonal topic info sheets to homeowners annually.	Date: April 1, 2026	
	Progress Update 5	250-word update	PR5: May 5, 2026	
16	Activity 16.	Deliverable 16: (Goal 4.4) Conduct at least 20% of	Date: August 4, 2026	

		maintenance projects within priority Census Tracts 9516 and 9517.02 over the entire project period.		
17	Activity 17.	Deliverable 17: (Goal 6.3) Successfully complete and submit all semiannual data reports.	Date: August 4, 2026	
	Progress Update 6	250-word update	PR5: September 2, 2026	
18	Activity 18.	Deliverable 18: (Goal 1.2) Plant at least 250 1.5-inch or larger trees by Q4 2026.	Date: October 1, 2026	
19	Activity 19.	Deliverable 19: (Goal 1.3) Increase tree coverage in tract 9516 from 9% to 15% by Q4 2026.	Date: October 1, 2026	
20	Activity 20.	Deliverable 20: (Goal 1.3) Increase tree coverage in tract 9516 from 9% to 15% by Q4 2026.	Date: October 1, 2026	
21	Activity 21.	Deliverable 21: (Goal 1.4) Increase tree coverage in tract 9517.02 from 20% to 25% by Q4 2026.	Date: October 1, 2026	
22	Activity 22.	Deliverable 22: (Goal 2.2) Decrease % of trees in fair or worse condition to 15% or lower by Q4 2026.	Date: October 1, 2026	
23	Activity 23.	Deliverable 23: (Goal 3.1) Replace 20% of moderate to high risk Siberian Elms and Green Ash on public property by Q4 2026.	Date: October 1, 2026	
	Progress Update 7	250-word update	PR6: December 1, 2026	
	Final Project Report, Photos, and Budget Reconciliation	Final project report describing lessons / impacts, high resolution photos (.jpg format) and the final reconciled budget	Date: March 13, 2027	
	USDN Presentation	Possible scheduling of a presentation to the network: dependent on the outcomes, audience, and USDN network communications schedule		

Budget Check List. Grantee confirms that:

- The yearly budget breakdown coincides with the project term (e.g.: 3 years max)
- The preferred cadence for fund disbursement works for you (e.g., the total amount of the award split over 3 years)?
- The budget categories (e.g., personnel, fringe, travel, equipment, supplies, contractual, etc.) does

not include lobbying or equipment purchase.

- They used the 10% de minimis rate or an approved negotiated indirect cost rate agreement (NICRA) Rate. Indirect costs are not required.

Appendix 2. Full Project Proposal

1. Project Scope Alignment:

Describe the issues this project is seeking to address and how the project will contribute to the goals in this funding opportunity, including congressional, Justice40, State Forest Action Plans, and Ten-Year Urban and Community Forestry Action Plan (2016-2026) priorities.

The City of Glenwood Springs, CO (pop. 10,326) seeks \$600,000 in USDA Urban & Community Forestry grant funds with \$600,000 in match to support tree planting, city tree maintenance, tree removal, tree care support for private landowners, training and outreach, and program management. Glenwood Springs is a small mountain resort community located at the confluence of the narrow Colorado and Roaring Fork River Valleys on Colorado's Western Slope. The City has a semi-arid climate with cold winters and mild summers, limited rainfall, and fire-prone conditions. The City has taken proactive steps to support urban forestry, including an existing maintenance program. However, the urban tree canopy is suffering from disparities in tree coverage, aging and overgrown trees, a lack of species diversity, accelerating climate risks, and rising costs of living that deter residential maintenance. More funding is needed to expand the City's urban forestry programming to realize the full climate resiliency, pollution filtering, economic development, and community aesthetic benefits of a healthy and diverse tree canopy. The project will address these issues by increasing funding for tree maintenance in the public right of way, providing maintenance assistance to disadvantaged residents, developing educational resources for community members, and organizing training and workshopping events to build grassroots participation in tree planting and care.

Tree Coverage Disparities: Gaps in existing coverage unevenly distribute the benefits of community vegetation. The City recently completed a comprehensive tree inventory report using TreePlotter, documenting the size, species, location, health, and maintenance needs of existing tree assets. This publicly accessible tool also measures ecosystem benefits of the urban canopy, and highlights priority areas for new tree planting based on low existing coverage, and demographic indicators including poverty and vulnerable populations. Data indicates that the City's tree coverage is uneven, with census tracts ranging from 3% coverage to 54% coverage of plant-able areas (Figure 1. Existing Tree Coverage). Further, coverage is sparser in the City's lowest income neighborhoods. Based on ACS data, Census tracts 9516 and 9517.02 have the City's lowest household median incomes at around \$40,000, and the City's lowest tree coverage at 9% and 12%, respectively. Tree cover is an equity issue for Glenwood's disadvantaged and limited English-speaking populations (Figure 4 EPA EJ Screen), who are missing out on the shade, climate resiliency, pollution filtering, and aesthetic benefits trees provide.

1.1 Tree Health and Safety: The City's canopy is old and overgrown, which raises concerns about tree health, requires costly and difficult maintenance, and poses safety threats. Data from the tree inventory reveals that the City has over 1,300 trees with a Diameter at Breast Height (DBH) greater than 18 inches. Data also indicates that crown cleaning and pruning are the largest outstanding maintenance needs across

all tree assets, with these tasks being especially costly and time-consuming for these larger trees. Out of the total count of 5,895 trees, 2,324 are rated to be in “Fair” or worse condition. Large, aging trees pose safety threats including interference with power lines, obstructed traffic vision, and falling limbs, as well as increased susceptibility to diseases and pests, which may compromise surrounding vegetation. Current tree maintenance funding is insufficient to keep up with 20 years of deferred maintenance, and the City’s backlog will continue to grow as trees age and deteriorate.

1.2 Tree Diversity: The City must diversify the tree canopy to address risks from pests and disease risks, as well as to defray high maintenance costs. Siberian Elm (29.7%) and Green Ash (15.8%) are the two most prevalent species in Glenwood Springs. Elms are susceptible to Dutch Elm disease and Elm Beetles, and Ash trees are threatened by Emerald Ash Borer. Ips beetles are another ongoing threat, infesting stressed pine and spruce trees. Recent environmental conditions, such as drought, wind-throw, and fire, have created an opportunity for an influx of these beetles. Diversifying the canopy through new planting and replacement will prevent the loss of biodiversity that increases vulnerability to infestation and disease. Parks and Recreation maintains a species list that will inform healthy diversification of the canopy.

1.3 Climate and Environmental Risks: Trees play a key role in mitigating mudslide and water contamination risks in this highly fire-prone mountain community. The dry summer climate and high amounts of surface fuels put the community at high wildfire risk. Mountainous topography makes evacuations difficult, compounding these risks. Data from the Colorado State Forest Service shows that most of Glenwood is at moderate to high Wildfire Risk (Figure 2. Wildfire Risk) and high to highest on the Fire Intensity Scale (Figure 3. Fire Intensity). When a severe fire sweeps across an area burning vegetation, steep mountainous slopes become vulnerable to erosion and washouts during rain events that can trigger mudslides and cause sediment deposition that impairs downstream water quality. In 2020, the Grizzly Creek Fire burned 32,631 acres in Glenwood Canyon, shutting down Interstate 70, downing transmission lines from the Shoshone Hydroelectric Power Plant, forcing evacuations of residents, and causing significant financial losses due to hotel cancellations and lost business. Sediment from burned areas carried into the Colorado River by rain has reduced clarity, negatively impacting fishing and rafting for this recreational and tourism-based community. Additionally, mudslide events have been increasing in frequency and intensity over recent years. In April and May of 2023, mudslides on Red Mountain caused debris flows disrupting access to the City’s Water and Wastewater Treatment Plants, clogging culverts and covering roads and trails. Trees help to stabilize soil banks and prevent erosion. As anthropogenic climate change accelerates the frequency and intensity of wildfire events, maintaining a healthy and diverse community tree canopy is a key approach to mitigating risks to health and safety from mudslides, flooding, and stormwater contamination. Increased tree planting and better tree maintenance will enhance water system resiliency through additional sediment storage and improved slope stability.

1.4 Environmental and Health Benefits: Improving Glenwood Springs’ urban canopy will provide additional environmental and human health benefits through carbon capture and pollution filtering. Tree inventory data indicates that on an annual basis, Glenwood’s network of nearly 6,000 trees sequesters 458,000 lbs. of CO₂, removes 2,600 lbs. of pollutants (O₃, NO₂, SO₂, particulate matter), and intercepts

580,000 cubic feet of stormwater runoff for an annual value of \$339,158. Expanding the City's tree coverage will boost these outcomes to combat climate change, promote watershed health, and reduce negative impacts on human health.

1.5 Economic and Aesthetic Benefits: While maintenance and coverage needs exist throughout the City, downtown trees are of particular concern due to their importance to economic development. Glenwood Springs is a tourism-based economy, with its famous hot springs and proximity to recreational opportunities bringing in over 1 million visitors annually. The City's downtown hosts restaurants, accommodations, retail, and businesses that support tourism, provide employment opportunities, and drive economic growth. A healthy, diverse tree canopy is integral to the downtown's draw, visually connecting walkable streets and pedestrian-scale buildings to the natural beauty of Glenwood Canyon. Increasing resources for maintenance and planting will promote the health of the tree canopy, supporting the City's status as an attractive outdoor recreation destination.

1.6 Problems with Existing Program: A city ordinance requires property owners to maintain trees in their right of way, which places much of the responsibility of tree care to community members. Due to high costs of tree care services, the City recently started a new Tree Assistance Program to provide aid to residents for assessment, removal, pruning, or treatment of hazard trees which qualify as posing significant risk. Many residents have come forward with requests, but the program is currently constrained by a lack of funding. USDA grant funds will help to educate the public about existing programming and will also provide expanded opportunities for disadvantaged community members to secure tree maintenance assistance.

1.7 Contribution to Goals: By increasing resources and knowledge for tree maintenance and planting, the program advances the goals of the following plans:

1.7.1 Colorado State Forest Action Plan:

- Goal 1. "Promote the role and infrastructure development of urban and community forests to advance public health, wellness, and safety" (52) – The program maintains and expands tree coverage to realize climate mitigation and human health benefits in line with master plans.
- Goal 2. "Promote and increase public awareness, leadership diversity, and equity within the urban forestry community" (52) – Parks and Recreation staff are working with community organizations to organize resources and training to build a grass-roots network of community members committed to maintaining and expanding the City's tree canopy. Addressing inequities in tree coverage is a top community engagement priority of the program.
- Goal 3. "Improve and enhance ecosystem health and biodiversity for long-term resiliency by integrating urban and community forest management, maintenance, and stewardship into all scales of planning" (53) – The program leverages related investments into wildfire and mudslide mitigation and resiliency planning, boosting overall resiliency for this risk-prone community. With increased funding and community support, community forestry will become a permanent part of these planning efforts.

1.7.2 Ten-Year Urban Forestry Action Plan: 2016 -2026: The program advances all seven goals of the

Urban Forestry Action Plan by integrating forestry into community planning (Goal 1), using forestry to boost human health through pollution filtering (Goal 2), building community participation in tree planting and care with a focus on including disadvantaged communities (Goal 3), maintaining and expanding coverage to boost resiliency to wildfire and mudslide climate risks (Goal 4), funding education for community members to foster stewardship (Goals 5 and 7), and leveraging funding for forestry with local match funding (Goal 6).

1.7.3 Justice40: The project advances Justice40 priorities by increasing tree coverage in disadvantaged neighborhoods. Maintenance assistance and educational programming for low and moderate income residents, who tend to occupy parts of the City with less tree coverage and who are struggling to cover the costs of tree care, will provide climate resiliency and pollution reduction benefits identified as priorities in the Justice40 Initiative. Census tracts 9516 and 9517.02 have been identified as priority disadvantaged neighborhoods due to their low- mod income proportions and low tree cover, and will receive free tree maintenance assistance through the City’s Tree care Assistance Program, advancing the goals of the Justice40 Initiative.

2. Implementation Strategy/Methodology/Timeline:

Provide a detailed explanation of the proposed approach, methodology, operations strategies, project schedule/timeline with goals/milestones, expected accomplishments or measurable outcomes, and project assessment/evaluation methods.

The City will expand its current urban forestry work by increasing planting and maintenance funding for trees in the public right of way, increasing assistance available to community members for tree planting and maintenance, and creating educational and promotional materials and events with partner organizations to promote awareness of resources, best practices, and benefits of tree coverage. These activities are aimed at building a joint urban forestry team among City staff, residents, and stakeholder organizations to achieve the one- year and three-year goals laid out below. Objectives, activities, goals, and milestones are as follows:

- Objective 1. Equitably Increase Tree Coverage: Increase tree coverage citywide by purchasing trees, procuring planting materials, preparing sites for planting, planting new trees, teaching community members how to plant trees, and regularly checking the health of new plantings, with a focus on increasing tree coverage in disadvantaged neighborhoods.
 - Goal 1.1 Plant at least 45 1.5-inch or larger trees in 2024. Goal 1.2 Plant at least 250 1.5-inch or larger trees by Q4 2026
 - Goal 1.3 Increase tree coverage in tract 9516 from 9% to 15% by Q4 2026.
 - Goal 1.4 Increase tree coverage in tract 9517.02 from 20% to 25% by Q4 2026. Goal 1.5 Hold an annual Arbor Day tree planting event every year of project period.
- Objective 2. Promote Public Tree Maintenance: Reduce the maintenance backlog and mitigate safety concerns by increasing pruning, pest/disease treatment, and removal for trees on the public right of way. Part-time City staff and contractors both work on public tree maintenance, which occurs throughout the year.
 - Goal 2.1 Decrease % of trees in fair or worse condition from 28% to 25% by Q1 2025.

- Goal 2.2 Decrease % of trees in fair or worse condition to 15% or lower by Q4 2026.
- Objective 3: Boost Species Diversity: Consult the approved species list for new plantings to promote canopy diversity.
 - Goal 3.1 Replace 20% of moderate to high risk Siberian Elms and Green Ash on public property by Q4 2026.
 - Goal 3.2 Start a tree replacement program for residential homeowners and promote the use of the approved species lists.
- Objective 4. Expand Tree Care Assistance Program: Increase funding for the existing program for residents to help with right-of-way tree care, including assessment, removal, pruning, or treatment of dead or dying hazardous trees that pose significant risk. Qualifying residents can apply for assistance from the City. The City arborist will offer a free assessment and arrange all services for approved applicants. No program funding will be paid directly to private landowners, in compliance with section C. Eligible Uses of Funding, section 2.d from the program NOFO. Funds will be dispersed directly to approved contractors in to lock in lower government rates for residents. Residents of priority census tracts will qualify for full financial aid. See Budget Narrative for more details on eligibility and amounts covered.
 - Goal 4.1 Create a webpage dedicated to the expanded program with contact information and resource links by Q4 2024.
 - Goal 4.2 Fund at least 30 tree maintenance projects through the program in 2024.
 - Goal 4.3 Fund at least an average of 25 maintenance projects annually over project period. Goal 4.4 Conduct at least 20% of maintenance projects within priority Census Tracts 9516 and 9517.02 over the entire project period.
- Objective 5. Conduct Education and Outreach: Conduct public education, distribution of promotional materials, and coordination with stakeholder organizations to build community skills, knowledge, and awareness of resources. The project team will organize workshop events focused on specific topic areas. Each workshop will be held once a year throughout the project period. Information sheets will be sent out four times a year with water bills to homeowners, covering seasonal topics and highlighting the reimbursement program. Bilingual outreach efforts will be made to the greatest extent possible to foster participation among the City's Spanish-speaking population.
 - Goal 5.1 Create a webpage dedicated to the expanded program with contact information and resource links by Q4 2024.
 - Goal 5.2 Regularly promote the Assistance Program and workshop events through social media, the program webpage, and news outlets.
 - Goal 5.2 Hold annual tree pruning workshop. Goal 5.3 Hold annual pest and disease workshop.
 - Goal 5.4 Hold annual tree planting, watering, and staking workshop. Goal 5.5 Mail out seasonal topic info sheets to homeowners annually.
- Objective 6. Complete and Share Planning and Data Documents: Build community knowledge and participation by publishing publicly accessible data reports, and meet grant program data

reporting requirements. Data collection and reporting will inform future expansion of the program, track progress on project goals, identify needs as they develop, ensure funding is being spent cost-effectively, and help share best practices with interested partners.

- Goal 6.1 Complete and share the Urban Forestry Guidelines Document by Q4 2024.
- Goal 6.2 Complete and share the Urban Forestry Management Plan by Q4 2024. Goal 6.3 Successfully complete and submit all semiannual data reports.

The City will prepare a final report evaluating the project's success. TreePlotter will enable the City to assess increases in canopy cover, species diversity, and coverage in disadvantaged census tracts, as well as to measure greenhouse gas emission reductions, air quality improvements, and stormwater management gains. The City will also track the volume of people contacted through outreach and marketing activities, attendance at workshop events, applications to the maintenance assistance program, and the quantity and location of trees planted, maintained, and removed. Community member feedback will be aggregated and summarized in the report.

3. Capability and Capacity:

Describe how each contributing organization is suited for (mission) and qualified to deliver the project. Provide the names, titles, and organization affiliation and specific roles of key personnel for the project. Include qualifications and experience of key personnel to implement, monitor, and assess/report project outcome.

3.1 Glenwood Springs Department of Parks and Recreation: Lead all project activities by undertaking tree maintenance and removal needs on public rights of way, arranging assistance to residents for trees on private property, organizing education and outreach events, and administering data and reporting work. Parks and Rec. has a strong foundation in place with its existing tree care assistance program and educational resources and will use project funding to expand its reach. The department also has extensive grants implementation and management experience, using a 2022 Land and Water Conservation Fund grant award to advance the Sayre Park Improvements Phase 2 - Play for All project. Activities include construction of a universal design playground, ADA walkways, a new restroom facility, landscaping, new furnishings, irrigation efficiency upgrades, and a pavilion in the northeast quadrant of the park.

3.1.1 Key Staff: Heather Listermann, City Arborist and & Urban Ecology Supervisor: Heather is the project lead, overseeing all project activities, coordinating with community stakeholder groups, and managing data and reporting requirements. Heather is an ISA certified municipal arborist with 13 years of experience. Heather manages the care, maintenance, removal and installation of all public trees and green spaces, supervises and directs gardens and forestry focused staff and assists with all other staff within the Parks division, manages and directs planning and budgeting for urban ecology, short to long-term planning projects, implementation of small-scale construction projects, and partnership opportunities for urban ecology and resiliency focus areas, oversees and executes procurement process to hire contractors, and coordinates and manages the work of contractors involved in the execution of planning projects.

3.2 Partner Community Organization - Roaring Fork Outdoor Volunteers (RFOV): A community-based non-profit that promotes stewardship of public lands by engaging the community in education,

restoration, and conservation projects. In 2022, RFOV organized volunteer work on 67 projects, with 1,304 volunteers contributing 10,084 hours to trail work, tree planting, trash pickup, fire mitigation, and youth education activities. Melissa Daniels, Program Director, will participate in education and community outreach events.

4. Communications Plan:

Share your plans for communication on the project, including plans for 1) signage acknowledging the source of funding at project locations 2) inclusion of funding information in press and promotional materials.

Signage: Signage acknowledging the partnership between the Forest Service and the City of Glenwood Springs will be present at all workshop community events and incorporated at planting sites on the public right of way. Printed materials will also include the Forest Service logo to highlight the partnership.

Press Releases: Staff will share the initial grant award and regular program updates with local media outlets to increase awareness of and participation in the program.

Social Media: Parks and Recreation will post regular updates to their social media channels reminding community members of resource availability, upcoming events, and providing updates on tree planting and maintenance work throughout the City.

Webpage: A dedicated webpage to the program will be hosted on the Parks and Recreation website with information about the project and partnership with the Forest Service, links to tree planting and care resources developed by City staff, a calendar of upcoming workshop and training events, and a link to the tree care assistance program application. Contact information for City staff will be provided to solicit feedback from community members.

Community Events: Parks and Recreation staff will be present at community events to promote the program, answer questions, and solicit feedback.

5. Evidence of Disadvantaged Community Status

Clearly describe the scope of work to be performed in disadvantaged communities, and identify online vulnerability and environmental justice equity data and/or tools referenced to support a disadvantaged community designation, (e.g., White House Council on Environmental Quality Climate and Economic Justice Screening Tool (CEJST), EPA Environmental Justice and Screening Mapping Tool (EJScreen), EPA EnviroAtlas Interactive Map, Opportunity Zones, or other vulnerability data/tools applicable to the scope of work). Multiple tools may be used. All work must be tracked at the level that designates disadvantaged communities.

Primary applicants receiving cost-match waiver approval that pass-through funding (sub-award) for work in disadvantaged communities must pass through the cost match waiver to sub-awardees performing the work.

Glenwood Springs has significant low-income, minority, and non-English speaking populations spread throughout the community that will benefit from targeted investment through this program expansion.

See Question 1, Section 1.1 above for details. Census Tracts 9516 and 9517.02 have been identified as priority locations due to their high percentages of low- and moderate-income residents, as well as their lack of tree coverage relative to the rest of the City. Thus, residents of these tracts will receive tree maintenance assistance through the Tree Care Assistance Program if they have a qualifying tree maintenance need. See Budget Narrative for more information.

Glenwood Springs Tree Planting, Maintenance, and Education Program Budget Narrative

PERSONNEL - \$90,000

City Parks and Recreation Staff

Funding to cover planting and maintenance work carried out by 4 - 5 of the City's four gardens and forestry staff members. Staff will be working in target areas of need to prune, plant, and remove hazardous trees; as well as working on community engagement and forestry education programming.

Hours	Hourly Rate	Yearly Request	Total
3,333	\$27	\$30,000	\$90,000

SUPPLIES - \$90,000

Cost of supplies for tree planting, site preparation, maintenance, pest and disease control, and removal.

Trees - \$15,000 per year x 3 years = \$45,000

Cost to purchase approximately 45 1.5-inch caliper, or larger, trees from the approved species list per year.

Planting Materials - \$6,000 per year x 3 years = \$18,000

Costs of mulch, stakes, wrapping, fertilizers, pest control, etc.

Tools - \$5,000 per year x 3 years = \$15,000

Tools needed for planting, maintenance, and removal activities such as shears, saws, ropes, augers, ladders, safety gear, hoses etc.

Educational and Promotional Materials - \$4,000 per year x 3 years = \$12,000

Costs to develop, print, and mail/distribute flyers, brochures, information sheets, newsletters, banners, story walks, and other educational materials.

CONTRACTUAL - \$427,000

All contractual procurement will adhere to the procurement standards in §§ 200.318 through 200.327.

City Contractors - \$70,000 per year x 3 years

Tree planting, maintenance, and removal activities coordinated by City Parks and Recreation staff and carried out by approved contractors.

OTHER - \$217,000

Tree Care Assistance Program - \$70,000 per year x 3 years. Increased funding for the Tree Care Assistance Program for residents to help with right-of-way tree care, including assessment, removal, pruning, or treatment of dead or dying hazard trees which qualify as posing significant risk. Community members with trees in need of maintenance, removal, or treatment can fill out an online application for assistance that will be arranged by City staff. Applications are approved by City staff based on a free assessment and list of qualifying factors.

Following the assessment, qualifying applicants must agree to and remit payment for their portion (if it exceeds the approved amount) for immediate tree removal, pruning, or treatment services. The city arborist and/or Urban Forestry Board representative will arrange all services directly with internal staff and/or contractors. No program funding will be paid directly to private landowners, in compliance with section C. Eligible Uses of Funding, section 2.d from the program NOFO. Funding is paid directly to the contractors to lock in low government rates for the residents. The City will arrange assistance for qualifying residents, covering up to 100% of the costs or up to \$2,000 per parcel owner, per calendar year. Qualifying applicants that are located within the target tree coverage disparity areas (currently census tracts 9516 and 9517.02) may be approved for full financial assistance. Qualifying applicants that are not within the target areas may be required to pay a portion of the cost of their tree services directly to the approved contractors. These private funds are not represented in the above match amounts, but do represent additional support on behalf of the community for the project.

Eligibility Criteria: Available to City of Glenwood Springs residential property owners only. Tree must be assessed by a City employed or approved certified arborist to determine eligibility. ISA standards will be used to determine the qualifying level of need for assistance.

Forestry Training for Staff

ISA Certifications - \$500 per certification x 6 certifications = \$3,000 (\$1,500 in federal funding and \$1,500 in City match)

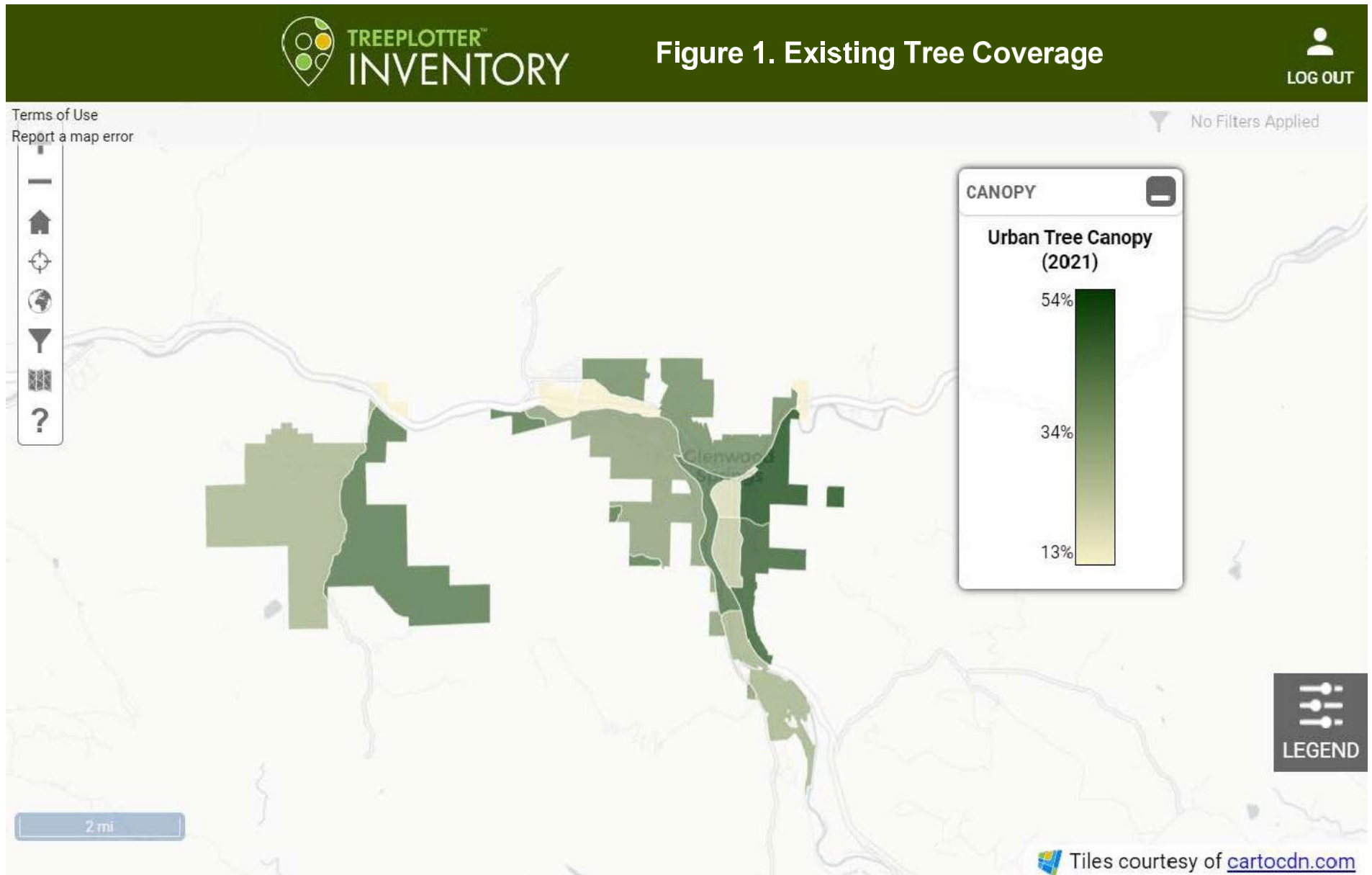
Cost for exams to become ISA certified. Also includes costs for study materials. ISA certification imparts critical skills and knowledge on participants to increase their

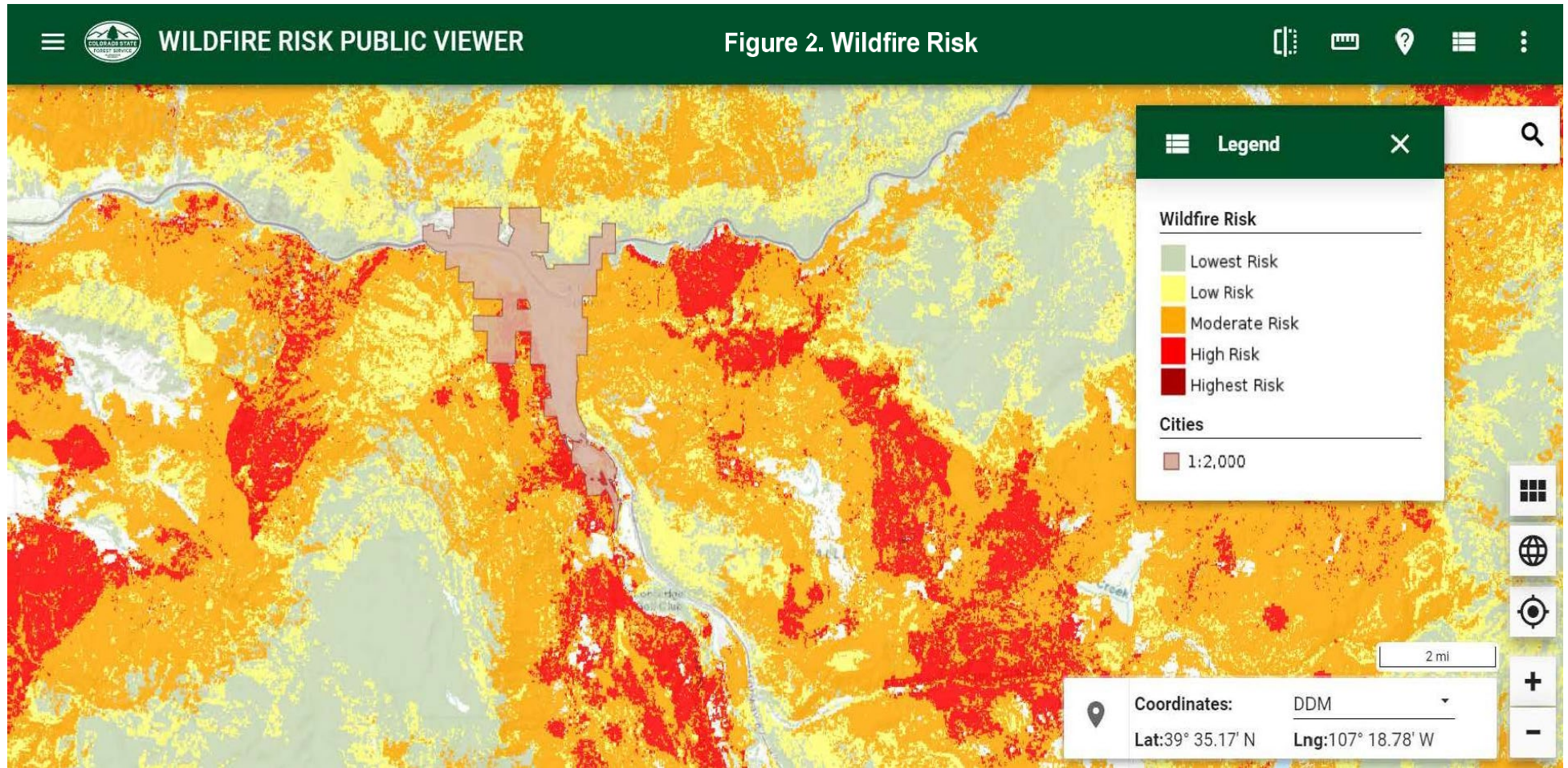
arboricultural skills and knowledge. Parks and Recreation staff will benefit from detailed training and testing on tree biology, tree identification and selection, soil management, installation and establishment, pruning, diagnosis and treatment, trees and construction, tree risk, safe work practices, and urban forestry. This includes the cost for six certifications for City staff to become Certified Arborists and/or Certified Arborist Municipal Specialists.

Wildland Fire Chainsaw Safety Training - \$1,000 per participant x 4 participants = \$4,000 total cost. Provides forestry staff with 30+ hours of education on principles of proper tree removal, pruning and safety practices. Funding covers the costs of education and travel. Educational trainings are held in the nearby city of Salida

Total Project Cost Over 3 Year Period – \$600,000

	2024	2025	2026	
Forestry Personnel	\$30,000	\$30,000	\$30,000	\$90,000
Forestry Supplies	\$30,000	\$30,000	\$30,000	\$90,000
Forestry Contractual	\$70,000	\$70,000	\$70,000	\$210,000
ROW TCA Program (Contractual)	\$70,000	\$70,000	\$70,000	\$210,000
	\$200,000	\$200,000	\$200,000	<u>\$600,000</u>





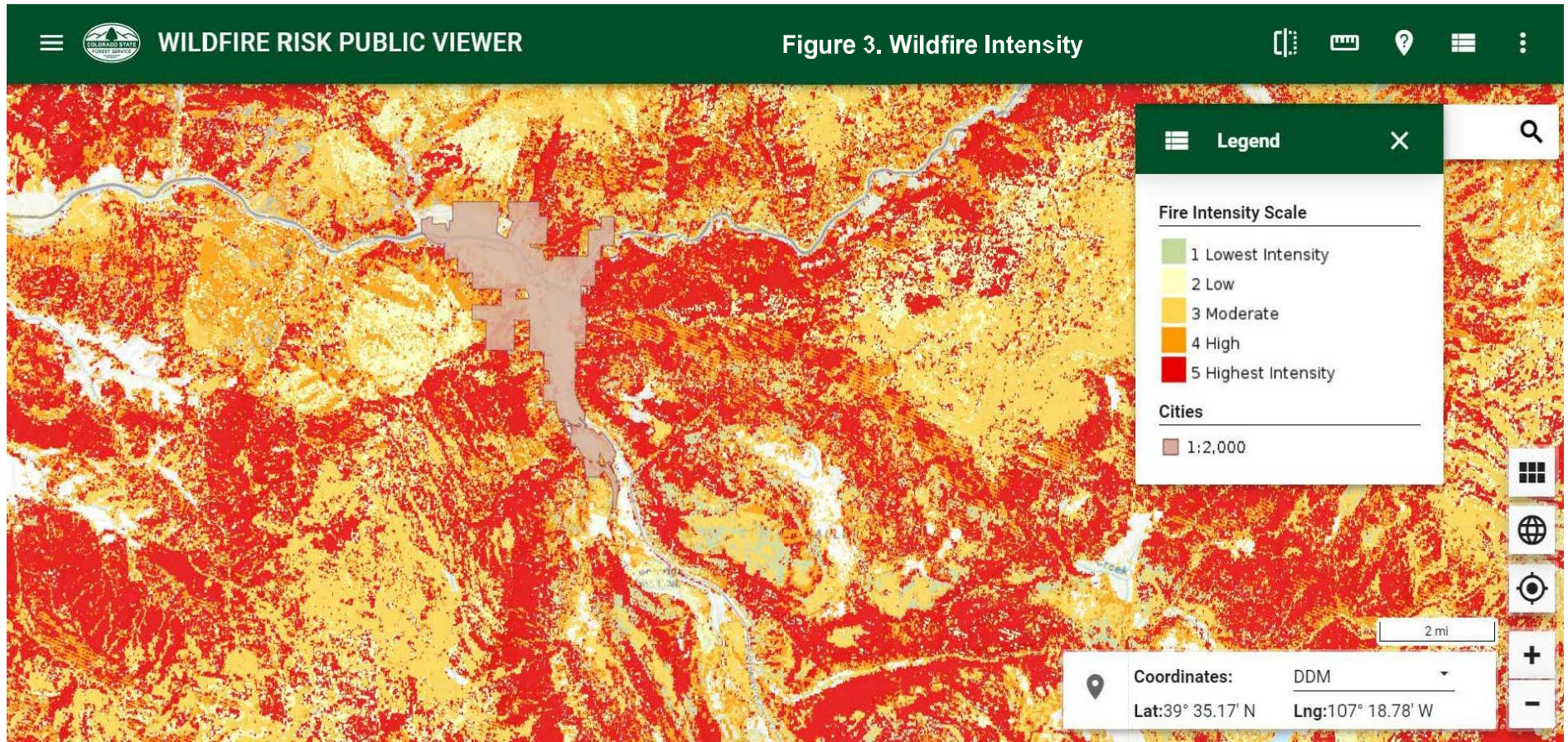
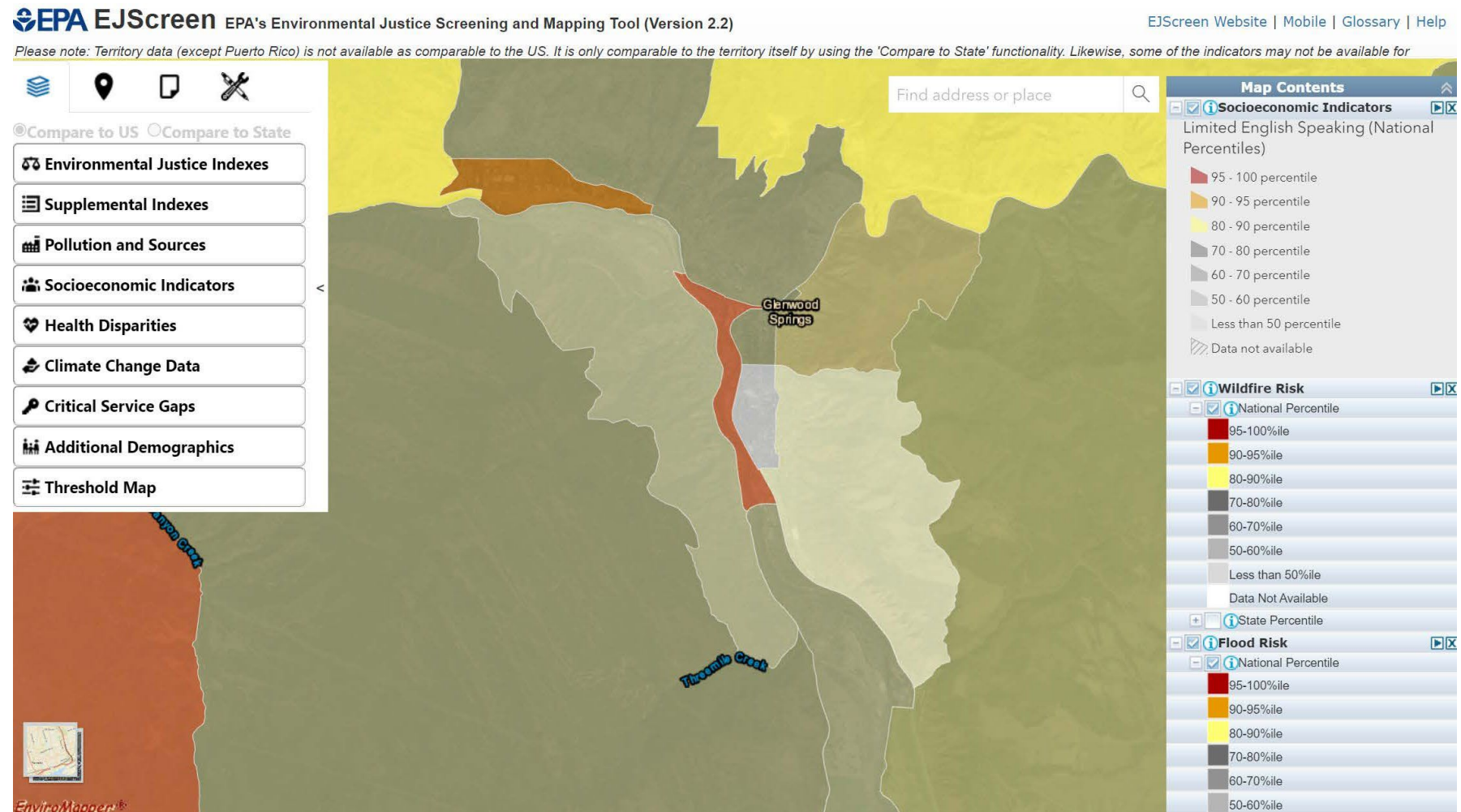


Figure 4. EPA EJ Screen, Limited English, Wildfire Risk and Flood Risk



Appendix 3: Original Federal Application Documents

When the Grant Agreement is ready for signature, the original proposal PDF will be merged here for historical context, and routed as 1 PDF for signatures via DocuSign.



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Proclamation for Wildfire Preparedness Month

Action Requested: Proclaim May as Wildfire Preparedness Month.

Department: Fire Department

Presented By: Joseph Deras

Strategic Goals: Protect and Preserve our Quality of Life

Background Info: May is National Wildfire Preparedness Month.

Issues: NA

Fiscal Impact: NA

Legal Review: NA

Staff Recommendation: NA



A PROCLAMATION FOR WILDFIRE PREPAREDNESS MONTH MAY 2024

WHEREAS, Twenty of Colorado's largest wildfires have occurred within the last twenty two years. The five largest fires in state history have occurred since 2018; and

WHEREAS, The most destructive fire in state history occurred just twenty-eight months ago almost doubling the amount of homes lost than the previous record; and

WHEREAS, The top five most destructive fires in state history, measured by homes lost, have occurred since 2012; and

WHEREAS, Warmer temperatures, drought, and continued development in the wildland-urban interface have made wildfire mitigation a top priority for Glenwood Springs Rural Fire Protection District ("District"); and

WHEREAS, Wildfire Preparedness Month is focused on encouraging residents to learn about wildfire safety and take steps to reduce wildfire risk in and around their homes.

NOW, THEREFORE, I, Ingrid Wussow, MAYOR of the City of Glenwood Springs, do hereby proclaim May Wildfire Preparedness Month in the year 2024.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Glenwood Springs, Colorado to be affixed, this 2nd day of May, in the year 2024.

Ingrid Wussow, Mayor
City of Glenwood Springs



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: South Bridge Update

Action Requested: NA

Department: Engineering

Presented By: Ryan Gordon

Strategic Goals: Preserve and Improve Infrastructure

Background Info: NA

Issues: NA

Fiscal Impact: NA

Legal Review: NA

Staff Recommendation: NA

South Bridge Project
Position Statement - Cardiff II HOA - April 28, 2024
Presented by Meryl Glickman, Board of Directors
merylglickman@gmail.com

Cardiff II supports the South Bridge project, considering:

- Fire danger – increasing with climate change, with an estimated 900 lives at risk in a fire event.
- Its purpose is **both** an emergency route, as well as easing traffic congestion at the 27th St bridge and on Hwy 82.
(See Comprehensive Plan¹)

South Bridge will have a significant impact on the Cardiff Glen community.

Impacts for the 100+ units in Cardiff I, II & III and the three homes on the other side of Airport Road include:

- **Traffic Noise** – normal traffic, trucks, construction, and construction sound.
- **Safety** – for children playing by the condos, walking to school, pedestrians, church attendees.
- **Security** – from significantly increasing traffic, a wall or fencing creates a psychological barrier.
- **Privacy** – Replace water-thirsty trees with a more environmentally conscious tree barrier.
- **Quiet Enjoyment** – traffic calming and sound mitigation.
- **Functional and Aesthetic Aspects** – curbs, drainage, landscaping, other.

Transportation/Traffic Studies

- Previously accepted traffic studies demonstrated Cardiff Glen qualifies for sound wall mitigation.²
- Traffic growth has, and will continue, given 1) documented past and projected US population growth projections in Garfield County³, 2) housing demands, 3) requests for new developments⁴ up and down valley and 4) Bridge creation is expected to increase Four Mile development.⁵
- It is also clear that this is, and has always been intended, as an alternate route solving part of the congestion on 82 and the 27th Street Bridge, per consultants and City Council statements^{6 7}
- We ask: Why would a new study, with the facts above, indicate sound mitigation is no longer warranted?

Community Survey

- The Cardiff Glen community voted by majority in favor of a wall in three successive surveys. We ask: Why keep asking, or change the traffic estimates, until the answer changes?

Mitigation - Cardiff Glen HOA II is interested in all mitigation possibilities **from the start – not added on later.**⁸

1. **Sound Wall**, per Federal mandate – or as agreed by the neighborhood.
2. **Traffic Calming** – At least on roundabout at Morgan (**from the very first of the project**) for safety for kids who walk to school, plus a combination of signage, medians, road bumps, platform bumps, stop signs (no flashing beacons causing visual pollution), and ticket-generating automatic speed cameras.
3. **Parity Planning** - Landscaping, curbing, should be same as highway. We ask: **Does it maintain or enhance our community**, or is the project simply a serviceable evacuation route for those less impacted?

Since its engineering inception, this project has started at the round-about.⁹

- The new proposal would start the project at Morgan St, bypassing project work in front of our community-**yet reducing available parking**¹⁰! Asking our community to bear the brunt of the cost-cutting measures coupled with the brunt of the negative impacts is unjustified.

Our “ask” is a small percentage (from .89% to 3.16%) of the total project budget.¹¹

Resolution:

The Cardiff II community respectfully requests to work with City Council and the City of Glenwood to:

- 1- Start project work at the round-about at the junction of Four-Mile, Airport Road, and Midland Av.
- 2- Work with the community to provide, at the onset of the project, all mitigation as mutually agreed upon to ensure the continued safety, security, privacy, quiet enjoyment, and beauty of our community.
- 3- Retain or increase parking from the onset.

END NOTES – DOCUMENTATION

¹ **Comprehensive Plan** <https://cogs.us/734/Vision-Glenwood>
<https://www.postindependent.com/news/four-ways-glenwood-springs-comprehensive-plan-will-directly-affect-residents/> Regarding the Comprehensive Plan, this article identified the aspects of the plan that will affect the residents of Glenwood Springs the most.” **#2 Transportation:** currently working to reduce traffic congestion caused by regional growth.” ... “Under the section for developing an efficient and interconnected road network to reduce gridlock, delays and trips per day, **the highest priority listed was to provide a resilient transportation network and adequate evacuation routes.** This also includes adding a near-term **plan to complete street network connections to include...South Bridge transportation projects.**” To fund and implement **corridor routes for south Colorado Highway 82, the railroad corridor and South Bridge, the plan aims to begin budgeting transportation and capital improvement work programs with RFTA and other organizations to leverage multimodal opportunities.**

In the name of safe transit for everyone on or near the roads, including pedestrians, bikers, people wheelchairs, the city plans to establish a Vision Zero - Local Road Safety Plan.

The city has also listed a high-priority need to develop a regional emergency management evacuation plan and integrate planning into growth management.

² Federal Highway Administration (FHWA) grant stipulates mitigation at a certain decibel level of traffic.

³ **Population growth**

- Garfield County’s 2010 population was **56,072** and has seen a growth of **12.64%** since that time. Garfield County, Colorado's estimated 2024 population is **63,158** with a growth rate of **0.72%** in the past year according to the most [recent United States census data](#). Garfield County, Colorado is the 12th [largest county in Colorado](#). <https://worldpopulationreview.com/us-counties/co/garfield-county-population>.
- Studies showing a need for up to 1,000 new homes per year through 2035 in order to keep up with population growth projections in Garfield County. <https://www.postindependent.com/news/river-edge-gets-thumbs-up-from-county-planning-board/>.

⁴ **Early traffic studies underestimate actual new development.**

Below is a quick sampling of some of proposed/in progress projects in our area. Of the 1251 units listed below, after subtracting 420 units not built at Sunlight as proposed, the current proposed developments represents **831 additional units more than what was originally proposed for Sunlight Ski Area.**

River Edge (residential development at Cattle Creek)-Richard Meyers

- **366 units + up to 30,000 sq ft commercial space**
- Neighbors worrying this is part of a much bigger project.
- <https://www.postindependent.com/news/river-edge-gets-thumbs-up-from-county-planning-board/>

Spring Valley Ranch

- **577 homes** - private golf community
- https://www.aspendailynews.com/news/577-home-project-in-garfield-county-back-on-the-table/article_33863df4-d215-11ee-aa5a-e3c8a69422ba.html
- <https://www.postindependent.com/news/local/cmc-breaks-ground-on-35-million-expansion-at-spring-valley-campus/>
- <https://www.postindependent.com/news/county-oks-spring-valley-ranch/>

Reserve at Elk Meadow– Steve Bershenyi’s Ranch

- **270 - 400 units** - article: selling because traffic created by residents, and skiers who head up to Sunlight Mountain is now forcing Bershenyis’ hands
<https://www.postindependent.com/news/glenwoods-growth-forcing-sale-of-its-last-working-ranch/>

Teacher Housing

- **Cardiff Mesa** project -21 units
- **Willits, Basalt** – 17 units

- **Ironbridge development** - unknown # of units
- **Carbondale** - unknown # of units

⁵ **Bridge creation is expected to further encourage development up Four Mile, per County Commissioners.**

Gaskill said that even with the now defunct Sunlight development off the planning department's table, they still accounted for growth in the Four Mile area... it would cause a large amount of unwanted growth up Four Mile in the coming decades, the same way Midland Avenue caused so much development and growth over the years. <https://www.postindependent.com/news/garfield-county-has-some-ideas-for-solutions-but-no-offer-of-funding-glenwood-transportation-options-and-south-bridge/>

^{SS} **The 27th Street bridge project was initially designed as a four-lane structure** but was eventually scaled down to two lanes with **the rationale that the South Bridge project would mitigate some of the traffic.** Additionally, it's evident from City Council meeting statements that South Bridge would serve as an alternate route, addressing congestion issues on Highway 82 and the 27th Street Bridge.

⁷ [It is estimated (2009) that] **traffic could increase from...500 vehicles per day on Airport Road, to between 9,500 and 11,000....** Without ... [South Bridge it is] estimated that the traffic on Airport Road would not increase much in the next quarter century. "We are talking more than double the current amount if nothing happens [with the South Bridge]," Gaskill said. [For the 27th St bridge], **Gaskill estimated the daily** traffic [for Sunlight Bridge] would more likely be lower... between 16,000 and 20,000 per day with the addition of a South Bridge. While that would lessen the anticipated use of the Sunlight Bridge, **it is expected to increase the traffic by 20 times on Airport Road.** <https://www.vaildaily.com/news/bad-traffic-may-be-good-for-glenwood-springs-south-bridge-project/> 9/2009 article.

According to traffic studies conducted as part of the project's design phase, Partch said Airport Road traffic could increase up to about **8,500 a day with potential for a peak of about 14,000 users on high traffic days in a 20-year traffic growth scenario.** As a result of the increased traffic, city staff included a number of "traffic calming" features, such as a roundabout at Morgan Street designed with through-truck traffic in mind and a number of median features separating inbound and outbound traffic. <https://www.vaildaily.com/news/south-bridge-the-glenwood-springs-evacuation-route-everyone-wants-but-no-one-can-afford-yet/>.

⁸ Promises for future mitigation/ remedies may end up unfunded and not come to fruition.

⁹ **"The project has always started at the round-about.**

The South Bridge project would construct a bridge across the Roaring Fork River, **providing access between Colorado Highway 82 and neighborhoods east of Airport Road, according to the city of Glenwood"**

<https://www.postindependent.com/news/city-of-glenwood-awarded-nearly-50-million-in-grant-funding-for-south-bridge-project/>.

"The South Bridge project area begins at the 4-Mile Road-South Midland Avenue roundabout and runs east along Airport Road, dipping under the Municipal Airport runway before going over the Roaring Fork River and connecting with Colorado Highway 82. <https://www.postindependent.com/news/south-bridge-the-evacuation-route-everyone-wants-but-no-one-can-afford-yet/>.

¹⁰ Per email of Ryan Gordon Thu, Apr 25, 8:52, "The parking area in front of the church is City ROW. This parking area will be removed as part of the South Bridge project. We cannot have cars backing into the road for safety reasons. This space might need be used for stormwater treatment or for another use. I understand the parking challenges within Cardiff Glen but we cannot have vehicles parked on Airport Road. The City is looking at properties in the Cardiff Glen neighborhood for a potential park and ride for commuters but would likely not be available for overnight parking - property is scarce so we are still exploring options."

¹¹ **The wall as originally proposed is a small percentage of the project."**

Originally, it was understood that the sound wall would cost ~\$1M. Even at ~ \$3M, it is a small percentage of the overall project for the benefit of the 100 units most affected by the project.

\$1 million represents approximately **0.89%** of the total cost of \$112 million.

\$3 million represents approximately **2.68%** of the total cost of \$112 million.

\$1 million represents approximately **1.05%** of the total cost of \$95 million.

\$3 million represents approximately **3.16%** of the total cost of \$95 million.



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Ordinance 2024-08; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, IMPOSING A TEMPORARY MORATORIUM ON THE ACCEPTANCE AND PROCESSING OF DEVELOPMENT APPLICATIONS FOR RESIDENTIAL OR MIXED-USE PROJECTS OF MORE THAN FOUR RESIDENTIAL UNITS WITHIN THE GEOGRAPHICAL LIMITS OF THE CITY

Action Requested:

Department: Economic and Community Development

Presented By: Karl Hanlon

Strategic Goals: Provide Efficient and Responsive City Government

Background Info:

Issues:

Fiscal Impact: Community Development Department will take in less application and development related revenue during the moratorium. Staff expects that will only be a delay.

Legal Review:

Staff Recommendation:

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

Aspen
0133 Prospector Rd.
Suite 4102J
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: April 29, 2024

TO: Glenwood Springs Mayor and Council

FROM: Karp Neu Hanlon, P.C.

RE: Moratorium on the Acceptance and Processing of any Annexation petitions, or Development Applications for Residential Units

Attached please find emergency Ordinance 2024-08 which establishes a temporary moratorium not to exceed 120 days on the acceptance and processing of any new annexation petitions, or development applications which contain more than four residential units to allow for the drafting and adoption of new regulations consistent with the updated Charter provisions.

As approved by the voters, and effective April 23, 2024, the Glenwood Springs Municipal Charter (Charter) now requires that all developments containing more than four residential units be reviewed by both the Planning Commission and the City Council. The new Charter language expressly requires that the Glenwood Springs Municipal Code (GSMC) be amended to implement the new language. During the 2023 legislative session House Bill 23-1255 was adopted which limits the ability of a municipality to impose moratoriums. However, there is a specific exception for this specific situation where “for the purpose of developing or amending land use plans or land use laws covering residential development or the residential component of mixed-use development.” HB 23-1255.

Currently the City’s Development Code as codified in Title 070 contains review procedures which vary from the new Charter requirements. As a result, there are currently no adopted regulations governing the review of any new applications filed after April 23, 2024, in Title 070. Under the newly adopted Charter provisions the currently in effect review process and standards only apply to complete applications filed on or before April 23, 2024. In the absence of updated regulations, the Staff, Planning Commission and Council would be operating without authority in the processing, approval, or denial of new applications. Every decision, whether for approval or denial, would be at risk for legal challenge that it was made in violation of the GSMC and without substantive or procedural due process.

Glenwood Springs Municipal Code Section 070.060.040 requires all changes to Title 070 be reviewed first by the Planning Commission and then by City Council for adoption. All code changes must be approved via ordinance. The following is the proposed timeline developed in conjunction with Community Development Director Hannah Klausman taking into account that Ms. Klausman had a previously scheduled vacation, her department is down personnel and also implementing new software package for permitting that has been planned for several months:

- June 25, 2024, hearing before the Planning and Zoning Commission.
- First reading before Council on July 18 (the first meeting of July falls on July 4 and has been cancelled).
- Second reading before Council August 1, 2024.
- Publication Monday, August 5, 2024.
- Effective date Thursday, August 15, 2024.

The timeline could be shortened, possibly by two weeks, if the Planning Commission and Council were available and willing to hold special meetings. The moratorium would terminate upon adoption of the new regulations.

ORDINANCE NO. 08

SERIES OF 2024

AN EMERGENCY ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, IMPOSING A TEMPORARY MORATORIUM ON THE ACCEPTANCE AND PROCESSING OF DEVELOPMENT APPLICATIONS FOR RESIDENTIAL OR MIXED-USE PROJECTS OF MORE THAN FOUR UNITS WITHIN THE GEOGRAPHICAL LIMITS OF THE CITY.

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

WHEREAS, on April 23, 2024 the electorate of the City approved Question A to amend the Charter to make changes in the processing of annexations and land use permits for residential and mixed-use developments proposed to contain more than four residential units; and

WHEREAS, Question A specifically directs and requires the City to amend the City ordinances to be consistent with the Charter amendment; and

WHEREAS, Title 070 of the Glenwood Springs Municipal Code (the “Land Use Code”) provides for the Subdivision, Development, and Use of Land within the City; and

WHEREAS, the Land Use Code contains certain residential unit number thresholds that trigger varying procedural requirements that no longer align with the Charter, as amended; and

WHEREAS, the Land Use Code does not contain procedures for annexations beyond the statutory requirements; and

WHEREAS, failing to enact a moratorium on the acceptance and processing of any annexation petitions and any development applications for projects of more than four units will result in a conflict between the City Charter, the Land Use Code, and potentially other Code provisions or Rules that contain unit number thresholds for varying procedural steps and requirements on development; and

WHEREAS, the Local Government Land Use Control Enabling Act, C.R.S. § 29-20-101 *et seq.* (the “Land Use Act”) “provide[s] for planned and orderly development” and grants local governments the power to “[r]egulat[e] the location of activities and developments which may result in significant changes in population density; and

WHEREAS, an extended period of time during which a conflict between the Charter and Land Use Code exists could lead to a rush of development applications and annexation petitions with an intent to be processed under the existing Code provisions leading to confusion, disorderly

development, and challenges in regulating development that could result in changes in population density; and

WHEREAS, such an outcome would be in conflict with the will of the electorate in its affirmative vote on Question A; and

WHEREAS, City Council has the authority to declare an emergency ordinance, if necessary for the immediate preservation of the public peace, health, or safety, pursuant to Section 4.4(k) of the City Home Rule Charter; and

WHEREAS, the Glenwood Springs City Council finds and declares that it is necessary for the immediate preservation of the public health, safety, and welfare to impose a temporary moratorium on the acceptance and processing of any annexation petitions and any development applications for projects of more than four units to allow the City time to receive public comment and update the Land Use Code to implement the provisions of Question A.

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

Section 1. The recitals hereinabove are hereby adopted as findings and incorporated herein.

Section 2. A Temporary Moratorium is hereby imposed on the acceptance and processing by the City of any annexation petitions and any land use development applications for residential or mixed use projects containing more than four residential units, submitted pursuant to either Colorado Revised Statute 31-12-101 *et seq* or the Glenwood Springs Municipal Code Title 070 within the City.

Section 3. During the Temporary Moratorium the City Council and the City Staff shall take public input and develop amendments to Title 070 and potentially other related Code provisions that conform with Question A as adopted by the City of Glenwood Springs electors.

Section 4. The Temporary Moratorium shall be in effect from the effective date for a period of one hundred twenty (120) days, unless extended by a duly adopted ordinance of the Glenwood Springs City Council.

Section 5. Pursuant to Section 4.4 of the City Charter, City Council finds, determines and declares that passage of this Ordinance is necessary for the immediate preservation of the public peace, health and safety in order to prevent a rush of development applications and annexation petitions, prevent confusion, and ensure orderly development in the City. In accordance with Section 4.4, this Ordinance, which was approved by at least five (5) members of Council on final reading, shall take effect immediately upon final publication.

Section 6. If any section, subsection, clause, phrase, or portion of this ordinance is for any reason held invalid or unconstitutional in a court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and shall not affect the validity of the remaining portions thereof.

Section 7. Any and all ordinances or parts of ordinances in conflict herewith shall hereby be repealed to the extent of the conflict only.

INTRODUCED, READ, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY
THIS ____ DAY OF MAY 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

Ingrid Wussow, Mayor

ATTEST:

Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE IMMEDIATELY THIS ____ DAY OF
_____ 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

Ingrid Wussow, Mayor

ATTEST:

Ryan Muse, City Clerk



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

- Agenda Item:** Ordinance 2024-09; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING THE GLENWOOD SPRINGS MUNICIPAL CODE REGARDING THE REGULATION AND PERMITTING OF ACCESSORY TOURIST AND SHORT-TERM RENTALS IN THE CITY
- Action Requested:** Consideration of Code Text Amendments to Section 070.030.030(e)(7) *Accessory Tourist Rental* and Section 070.030.030(e)(9) *Short Term Rental Permits*
- Department:** Economic and Community Development
- Presented By:** Emery Ellingson
- Strategic Goals:** Protect and Preserve our Quality of Life
Provide Efficient and Responsive City Government
- Background Info:** On February 18, 2024, the City Council conducted a work session to review the existing Short Term Rental regulations. The most recent major changes to these regulations were in 2019 when the Council added requirements for building inspections and instituted the 250' buffer rule which requires a new permit to be located at least 250' from the nearest existing permit. The suggested amendments in this report are based on feedback from Council and staff observations of the existing regulations.

PERMIT OVERVIEW

There are two types of permits which allow for short-term rentals.

Short Term Rental Permit: Allows for rental of an entire dwelling unit for a period of thirty (30) days or less. It does not require the property owner to be on site, has maximum occupancy set by a building inspection, and is limited by the 250' buffer rule. In total, there are currently 121 Short Term Rental (STR) Permits in the City and there are maximum caps for the number of STR permits allowed in the City.

Accessory Tourist Rental: Limited to rental of one bedroom in a home with shared access to a kitchen for a period of thirty (30) days or less. It requires the property owner or resident manager to be on site for the duration of the stay, is not limited by the 250' buffer rule, and the maximum occupancy is strictly limited to 2 persons. In total, there are currently 10 Accessory Tourist Rental (ATR) Permits in the City and there are no maximum caps for the number of ATR permits allowed in the City.

Permits are issued on a two-year calendar with renewals required in the fall of odd numbered years. The current permit period is January 1, 2024, to December 31, 2025. Permit costs are not pro-rated with the STR Permit cost set at \$600 for the initial permit period and \$400 for each renewal thereafter. ATR Permits are \$360 for the initial permit period and \$180 for each renewal thereafter.

In addition to an STR Permit or ATR Permit, all permit holders must also hold an active business and sales tax license. This is used for remittance of City sales and accommodation taxes. The rate for sales tax is 3.7% and accommodations tax is 5.0%, of which includes a 2.5% tax that goes towards a workforce housing fund.

Review Procedure

Per section 070.060.040(c) of the Municipal Code, any Code amendment change is first reviewed by the Planning and Zoning Commission which recommends approval, approval with conditions or denial of the amendment. Following this recommendation, the City Council shall review the Code amendment application and approve, approve with conditions, or deny the amendment. The City Council may also remand the Code amendment application back to the Director or the Planning Commission for further consideration.

- Issues:** **POTENTIAL CODE AMENDMENTS**
The following potential Code changes have been identified for consideration, please refer to Section

070.030.030 Revisions for exact code language changes.

BUFFER SIZE

Section 070.030.030(e)(9)(d)(4) requires that any new STR Permit be located a minimum of 250’ from any other existing permit. In practice, a 250’ buffer is created around each property with a permit and any other nearby property that is 100% covered by the buffer is rendered ineligible. The purpose of this buffer is to mitigate and disperse the effects of a Short-Term Rental Permit throughout the community. This regulation was added in 2019 and any existing STR Permit at that time was allowed to continue to renew their permit if they remain in good standing. For this reason, there are examples of existing STR Permits which are located closer than 250’ apart. Please see Appendix A for maps showing locations of existing permits along with current and proposed buffers.

Planning and Zoning Commission Action and Discussion: The Commission expressed concern for properties that would lose opportunity for a license with the expanded buffer. If the buffer were increased to 300’ there would be 316 properties affected by the change that would no longer be eligible for a permit based on current permit locations. Planning and Zoning Commission passed motion 4-2 against recommendation of buffer expansion to 300 feet and recommended remaining at 250 foot buffer distance.

TOTAL CAP ON PERMITS

There is also a maximum number of STR permits which are allowed in the city. For permits outside the General Improvement District, this cap is set at 5% of total free market units citywide and for permits inside the General Improvement District, the cap is set at 18% of free market units with the General Improvement District. The General Improvement District (GID) was created in 1980 as a special tax district and is used as a geographic area for some Code requirements. Please see Appendix B for a GID boundary map.

Permits within the GID are not subject to the buffer regulation and can be located closer than 250’ apart and are not counted towards the total cap for citywide STR permits. Table 1 shows the current permit counts.

TABLE 1: STR PERMIT CAPS 2024-2025				
	Existing Permits	Cap Limits*	Cap Number	Current Capacity
In the GID	25	18% of total free market units in the GID	36	69%
Outside GID	100	5% of total free market units city wide	210	48%
Citywide	100**	5% of total free market units citywide	210	48%

*Based on 4,211 free market units citywide and 202 free market units within the GID.

**GID Short Term Rental permits do not count toward the total permit number

During the City Council work session, the Council supported counting permits within the GID towards the total permit count. If this change were approved, the permit caps would appear as shown in Table 2.

TABLE 2: STR PERMIT CAPS 2024-2025 (if GID counted towards total)				
	Existing Permits	Cap Limits*	Cap Number	Current Capacity
In the GID	25	18% of total free market units within the GID	36	69%
Outside GID	100	5% of total free market units city wide	210	48%
Citywide	125**	5% of total free market units citywide	210	60%

The City Council also discussed adjusting the 5% used for calculating the citywide cap. There are 4,211 free market units citywide, and the number of permits allowed would grow corresponding to any newly constructed

residential units. Table 3 shows how the cap would change with different percentages.

TABLE 3: PERMIT CAP ALTERNATIVES		
Total Number of Free Market Units	Percentage	Resulting Permit Cap
4,211	5%	210
4,211	4%	168
4,211	3%	126
4,211	2%	84

Staff did not propose modifying the 5% citywide limit because this limit, along with the buffer regulation, provides appropriate limitations. So far, the buffer regulation has appeared to be a more effective tool because even if residential growth raises the cap, the actual physical locations where eligible locations for new permits remain finite and limited. It is worth noting that private covenants and HOA regulations can also limit Short Term Rental locations at the neighborhood level. Planning and Zoning Commission did not make a recommendation on modifying the citywide limit.

If there were any changes to the percentage cap, staff would not recommend going lower than 4% to avoid creating a sudden shortage of remaining available permits.

Planning and Zoning Commission Action and Discussion: The Commission suggested reducing the GID cap to 15% of free market units with rationale to help alleviate possible parking issues downtown from increased GIDs and help preserve residential units. A counterpoint was that keeping the limit at 18% would help direct growth of STRs to downtown area as opposed to outlying residential areas.

The Planning and Zoning Commission passed a motion unanimously to recommend that GID permits be counted toward total cap and also passed a motion 4-2 to reduce GID permit cap to 15%. If the City Council were to follow this recommendation, the total permits allowed within the GID would decrease from 36 to 31 available permits as seen in Table 4.

TABLE 4: GID PERMIT CAP ALTERNATIVES		
Total Number of Free Market Units	Percentage	Resulting Permit Cap
202	20%	40
202	18%	36
202	15%	30
202	13%	26

APPLICATION TIMELINES

The code does not prohibit a property owner from applying for a STR Permit concurrently with a building permit for new construction. Code does also not specify a timeline for completion of the application process. Staff found that this has created several challenges and a less transparent process for applicants. With more precise application timeline standards it will reduce the amount of staff time spent on tracking permit progress to other would be applicants, as well as create a fair timeline for considering a permit. One issue was in a multi-owner building under construction where multiple owners were attempting to get a permit prior to their neighbor. Requiring a certificate of occupancy sets the standard that construction must be complete on a unit and deemed occupiable will eliminate a rush through unit construction.

Planning and Zoning Commission Action and Discussion: The Commission approved recommendation for requiring a Certificate of Occupancy prior to application and approved recommendation for establishing a clear expiration date if there was ability to extend a permit for extenuating circumstances. The Commission agreed

upon a six-month period to complete the permit, with a six-month extension at the discretion of Community Development Director. Both items were passed for recommendation unanimously with a 6-0 vote.

PENALTIES/VIOLATIONS

Part of this Code section describes potential penalties for violations which include fines and possible revocation of permit, depending on the offense. These provisions are not worded in a way that connects violations with the subject property nor connects actions of guests to the property and property owner.

This results in a situation where unless a violation is directly issued to an owner, it is difficult to enact penalties, such as revocation of a permit or fines. Since police officers and code enforcement typically interact with property guests rather than owners, this makes enforcement of these regulations as written cumbersome and ineffective. This change to better enable enforcement and make the owner more accountable for what occurs on their property and any possible negative effects on the neighborhood.

Planning and Zoning Commission Action and Discussion: Commission was in favor of recommendation and approved for recommendation after brief discussion with a 6-0 vote.

OWNERSHIP MODELS

The Code prohibits the transfer of an STR or ATR permit when a property is sold. When a property is owned by one individual and sold to another individual, it is clear to whom the property is sold. However, when a property is sold to an ownership entity such as a trust or LLC, it is less clear to whom the property is being transferred. These ownership models can include multiple persons and/or other entities which is less transparent than transactions between individual persons.

Currently, there are 23 permits held on properties owned by an LLC and 9 permits held on properties owned by a trust in Glenwood Springs, which represents 26% of the total permits. An LLC or trust can be a tool for local property owners, however the Council expressed concern about outside ownership groups outbidding and outcompeting local homebuyers, with special concern in regard to increased competition for single family homes. For this reason, some communities in Colorado have already addressed this aspect of ownership and have enacted ordinances which regulate the group ownership models, such as Crested Butte and Buena Vista have done.

Crested Butte: Crested Butte requires a natural person to apply for the license and be the license holder. That person must be a member of the LLC, trust, corporation, or partnership with at least 15% ownership. https://www.crestedbutte-co.gov/vertical/Sites/%7B6058FFBB-CB06-4864-B42F-B476F794BE07%7D/uploads/STR_FAQ_12-13-2022.pdf

Buena Vista: Buena Vista has separate license categories for residents and non-residents and any license held by a trust or other entity, regardless of home address, is considered a non-resident. There is a cap on the number of non-resident licenses available, which controls the number of licenses held by a business entity. <https://www.buenavistaco.gov/DocumentCenter/View/4365/Short-Term-Rental-Ordinances-and-Chapter-6-PDF?bidId=>

Staff has included the following code language recommendations on this topic:

Applicant shall be a natural person, aged 18 years or older, that holds a 33% or greater interest in the ownership of the property.

At time of permit application and each subsequent renewal, the natural person permit holder would be required to provide current LLC or trust documentation from the Department of Revenue detailing ownership and percentages.

Planning and Zoning Commission Action and Discussion: The Commission discussed this item with particular focus on how the percentage thresholds for ownership would be set and examples of how permits could be transferred. Following discussion, the Planning and Zoning Commission passed the item unanimously with a 6-0 vote.

ADDITIONAL PERMIT CLASSES

Currently, the City has two classes of permits. The Short-Term Rental Permit (STR) allows for rental of an entire dwelling unit for a period of less than 30 days. The Accessory Tourist Rental Permit (ATR) allows for rental of

one bedroom within a home that has an on-site owner or resident property manager on site for a period of less than 30 days. During the February 18th, 2024, City Council Work Session, there was some interest in creating a third permit class. The general concept was that this permit class would function similar to the STR Permit, not be limited by the 250' buffer rule, and have a limited capacity for number of nights of rentals.

Staff Recommendation: Currently, staff does not recommend the addition of this type of permit class for the following reasons:

- Allowing short term rental permits of an entire dwelling unit, even for a limited number of nights, is contradictory to the purpose of the 250' rule. The purpose of the rule was to disperse the location of vacation rentals throughout the community. Even if these additional permits operated at a limited capacity, their effects would still be felt by the neighborhood when rented, especially if allowed at more concentrated densities.
- Property owners that are currently ineligible for a STR permit have other options for utilizing their property for rental purposes. Any rental of 30 days or more does not require any permit or license from the City so a property owner could advertise their property on a hosting site and set their minimum stay to 31 days without breaking any rules. Additionally, the ATR Permit is available to all property owners and is not limited by the 250' buffer which allows for rentals of less than 30 days.
- This would increase demands on staff to manage the program. This could possibly require additional staff or consideration of 3rd party management. Further fiscal analysis would be advisable to consider if adding another permit class would be a prudent expenditure.

If Council were to further pursue the creation of an additional permit class, staff would recommend the following:

- Additional class to be introduced as a limited basis pilot program with permit program being evaluated after one year. Staff recommend starting the pilot program at the start of the next permit period, which would start January 1, 2026.
- Limited to a specific number of permits issued using a similar formula for STR permit but at a percentage smaller than 5%.
- Using a secondary smaller buffer, such as 150' to space out the permits.
- Requiring same building inspections as required for STR permits.
- Limiting owners to one type of permit. A person could not hold an STR permit and this additional type.

Planning and Zoning Commission Action and Discussion: This specific item was not included in items recommended by staff, so the Commission did not discuss this item.

Review Criteria and Analysis

A Code amendment is a legislative decision by the City Council. The role of the Planning & Zoning Commission is to recommend approval or denial. Prior to recommending approval or approving a proposed Code amendment, the Planning Commission and City Council shall consider whether and to what extent the proposed amendment meets the following criteria. Staff analysis is in bold.

Is consistent with the Comprehensive Plan and other City policies;

The proposed amendment to the existing program upholds the goals of the Comprehensive plans and other City policies, specifically Goal 5.3.D "Review the short-term rental policy to determine impact in the local housing market". The proposed changes, including limitations on ownership models would be intended to reduce the effect of short-term rentals on the local housing market, in particular the demand for owner-occupied single-family housing. Single family homes represent 76% of all STR permits.

Does not conflict with other provisions of this Code or other provisions in the Glenwood Springs Municipal Code;

The proposed changes do not conflict with other provisions of this Code or other provisions in the Glenwood Springs Municipal Code.

Is necessary to address a demonstrated community need;

The proposed code revisions address the need for the regulations for Short Term Rentals and Accessory Tourist Rental Permits to keep in pace with changes in the marketplace and continue to strike a balance between benefits and impacts associated with vacation rentals.

Is necessary to respond to substantial changes in conditions and/or policy; and

The amendment addresses observed deficiencies in existing Code as well as responds to shifting conditions of vacation rental marketplace.

Is consistent with the general purpose and intent of this Code.

The proposed amendment is in line with the purpose and intent of the Code.

Reviewing Agency Comments

No comments received.

Public Comments

The public comment received

Fiscal Impact: Amendments to Vacation Rental permit regulations may result in a decreased number of permits. A reduction in permits would result in less permit revenue as well as less lodging tax collected from those permits, however staff does not believe it to be a significant amount of funding.

Legal Review: Legal has drafted the ordinance for the code amendment.

Staff Recommendation: Section 070.060.030(g)(1)(d) outlines the review and decision procedures for applications being considered by the Planning and Zoning Commission and/or City Council. Council may approve, approve with conditions, or deny the application based on the applicable approval criteria listed in the application-specific procedures. Council may also continue the hearing to the next available meeting with a request for specific additional information.

Action Item

Consideration of Code Text Amendments to Section 070.030.030(e)(7) Accessory Tourist Rental and Section 070.030.030(e)(9) Short Term Rental

Planning and Zoning Commission recommends **APPROVAL** of the code revisions with the following suggested findings and conditions:

Suggested Findings

The proposed code revisions to the Section 070.030.030(e)(7) Accessory Tourist Rental and Section 070.030.030(e)(9) Short Term Rental:

1. Are consistent with the Comprehensive Plan and other City policies.
2. Do not conflict with other provisions of this Code or other provisions in the Glenwood Springs Municipal Code.
3. Are necessary to address a demonstrated community need.
4. Are necessary to respond to substantial changes in conditions and/or policy; and
5. Are consistent with the general purpose and intent of this Code.

Suggested Conditions:

None

Alternative Motion

*City Council has requested that land use applications include suggested motions for both approval and

denial. If the City Council does not believe the application meets the Code's minimum standards, your denial motion should be based on one or more of the same approval criteria applicable to the application. You should support your findings with additional information further describing the shortcomings of the request as shown in the example below:

MOTION TO DENY

Action 1:

Consideration of code amendments, I move to **DENY** finding that -

1. The code amendment is not consistent with the Comprehensive Plan and other City policies; **[insert reasoning]**.
2. The proposed amendment conflicts with other provisions of this Code or other provisions in the Glenwood Springs Municipal Code; **[insert conflict/reasoning]**.
3. The proposed amendment is not necessary to address a demonstrated community need **[insert applicable Comp Plan or other City plan or policy sections here]**.
4. The proposed amendment is not necessary to respond to substantial changes in condition, and/or policy; **[insert reasoning]** and.
5. The proposed amendment is not consistent with the general purpose and intent of this Code **[insert reasoning]**.

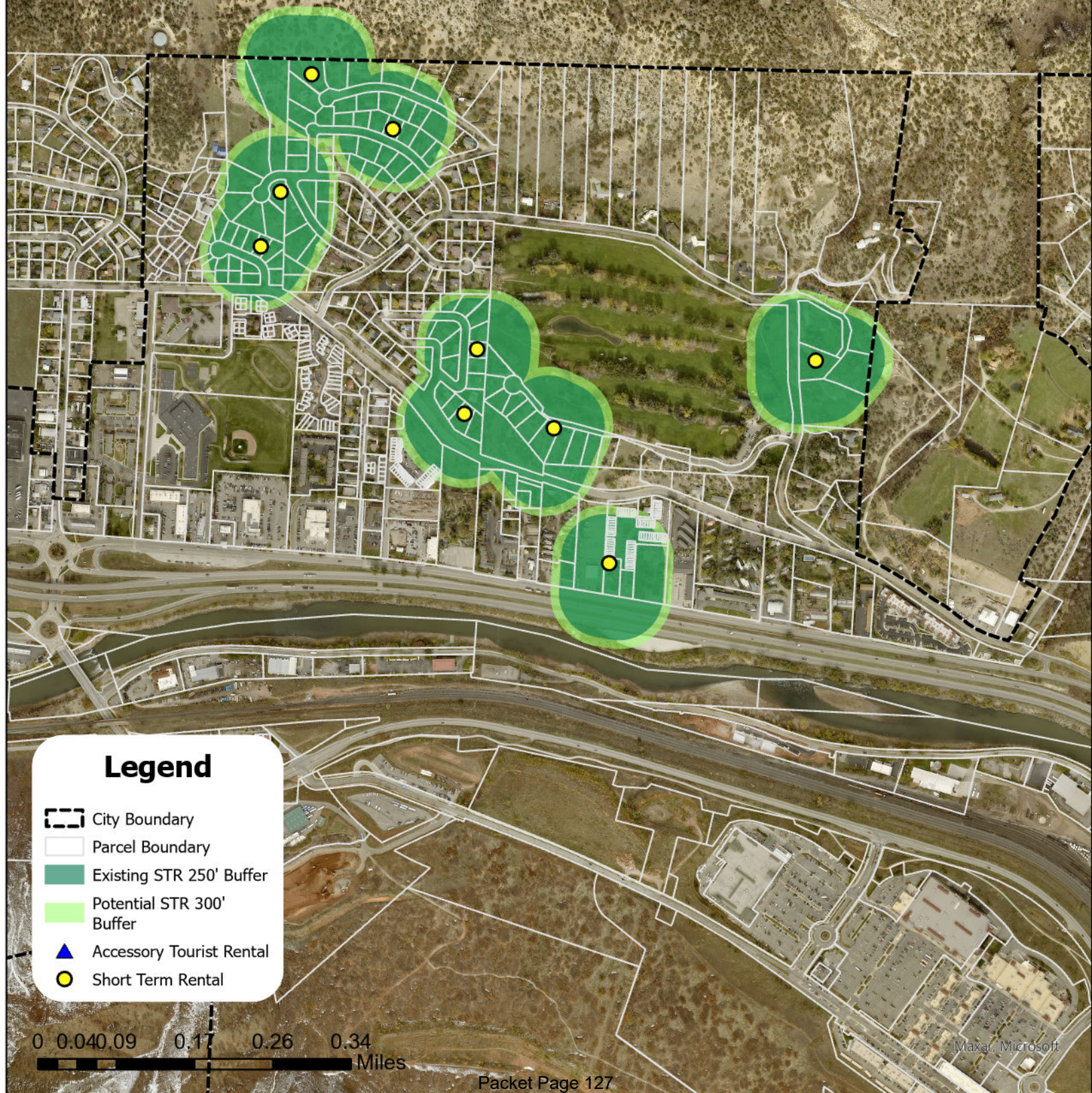
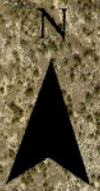
General Improvement District Boundary



Legend

 General Improvement District Boundary

West Glenwood Permits



North Glenwood Permits



Legend

- City Boundary
- Parcel Boundary
- Existing STR 250' Buffer
- Potential STR 300' Buffer
- Accessory Tourist Rental
- Short Term Rental

0 0.02 0.04 0.07 0.11 0.14 Miles

Downtown Glenwood Permits

N



0 0.030.06 0.11 0.17 0.22 Miles

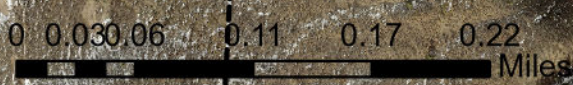
- Legend**
- City Boundary
 - Parcel Boundary
 - General Improvement District Boundary
 - Existing STR 250' Buffer
 - Potential STR 300' Buffer
 - Accessory Tourist Rental
 - Short Term Rental

Midland Ave. Permits



Legend

- City Boundary
- Parcel Boundary
- Existing STR 250' Buffer
- Potential STR 300' Buffer
- Accessory Tourist Rental
- Short Term Rental



Mid-Glenwood Permits



Legend

- City Boundary
- Parcel Boundary
- Existing STR 250' Buffer
- Potential STR 300' Buffer
- Accessory Tourist Rental
- Short Term Rental

0 0.040.09 0.17 0.26 0.34 Miles

South Glenwood Permits



Legend

- City Boundary
- Parcel Boundary
- Existing STR 250' Buffer
- Potential STR 300' Buffer
- Accessory Tourist Rental
- Short Term Rental

0 0.040.09 0.17 0.26 0.34 Miles

Emery Ellingson

From: Donna Dolan <ddolan8@gmail.com>
Sent: Wednesday, April 10, 2024 7:34 AM
To: Emery Ellingson
Subject: Re: City of Glenwood Springs - Short Term Rental and Accessory Tourist Rental Update

Caution! This message was sent from outside your organization.

[Allow sender](#) | [Block sender](#)

Hi Emery,

I have a few suggestions to improve short-term rentals for Glenwood Springs. I own one short-term rental (STR) in Glenwood and have helped three other local residents get started, including just recently our realtor Janelle.

Just as GWS supports the labor market for the Roaring Fork Valley, we also support a significant number of lodging for visitors. We need to ensure our visitors have a place to stay, to include affordable lodging. My understanding is two of our local hotels have recently been converted to employee housing such as the RFVT. That takes a rough guess of 80 rooms off the market. From the data available to me, STR occupancy and pricing rates are fairly high most of the year. My suggestions, Keep the current cap of STR availability. Anything less, will hinder lodging for tourism and make it unaffordable.

The area that needs the most work is the ownership model.

"Ownership Models

The Planning and Zoning Commission recommended that permits should be held by natural persons, aged 18 years or older who hold a controlling interest of no less than 33%."

I would make the ownership model much more restrictive as many communities including Denver have done. And I'd take out the "natural" persons as it would eliminate many of our GWS Mexican residents from owning STR.

My thoughts for the Ownership Model:

- Permits should be held by local residents only. (Or maybe within a 20 mile radius)
- Permits should be limited to no more than two per person.

My rational:

- Our community is uniquely based on many small business ownerships. We need to keep the money in our community which supports our local businesses, our job opportunities, and our salaries.
- Eliminates neighborhood complaints by having the owner nearby to handle any problems.
- Offers more residents the opportunity to have an STR.

Many GWS STR are owned by non-residents. Our own residents find it almost impossible to find a house for sale in an open 250 feet buffer zone. Perhaps the city should stop accepting out-of-town applications, and begin phasing out current out-of-town owners over the next five years.

It might be interesting to run some data analysis of how many STR are owned by GWS residents and how many are out of district. Combine this with occupancy rates might tell a better story to support better Occupancy Models.

STR in GWS is very lucrative and unlike many ski communities, we are booked throughout the year. I feel these changes in ownership will only strengthen the STR market and significantly benefit our residents, community, and tourists.

If you have any questions or need clarification, feel free to call me at 319-481-1450.

Thanks for your consideration,

Donna Dolan

On Thu, Apr 4, 2024 at 9:50 AM Emery Ellingson <emery.ellingson@cogs.us> wrote:

All,

This e-mail is an update on the potential changes to Short Term Rentals and Accessory Tourist Rentals as discussed by Planning and Zoning Commission at their March 26th meeting. The role of Planning and Zoning Commission in this instance is to make recommendations for City Council. City Council will discuss this item at a future meeting, likely their May 2nd meeting. I will provide confirmation of this.

A summary of Planning and Zoning Commission's recommendations are as follows:

Modify 250' Buffer

Planning and Zoning Commission recommended no change in buffer size.

Total Permit Cap

Planning and Zoning Commission recommended that permits located within the GID be counted towards the total cap number.

Permit Cap Alternatives

Planning and Zoning Commission recommended that cap for permits within the GID be lowered from 18% of all free market units to 15% of all free market units.

Application timelines

Planning and Zoning Commission recommended that a Certificate of Occupancy shall be required prior to application and that all permit processes shall be completed within 6 months of application with an additional 6-month extension at discretion of Community Development Director.

Penalties and Violations

Planning and Zoning Commission recommended that language be amended in Penalties and Violations section to include language with designating property owners.

Ownership Models

Planning and Zoning Commission recommended that permits should be held by natural persons, aged 18 years or older who hold a controlling interest of no less than 33%.

Emery Ellingson

Planner II

City of Glenwood Springs

101 W. Eighth Street

Glenwood Springs, CO 81601

970.384.6472 (p) 970.945.8582 (f)

emery.ellingson@cogs.us



[*Accessibility Policy / Política de accesibilidad*](#)

City Hall hours are Monday-Thursday from 7:30 AM to 5:30 PM and closed on Fridays. Phone calls and e-mails will be returned during the new business hours.

MINUTES
CITY OF GLENWOOD SPRINGS
Planning and Zoning Commission
Regular Meeting
March 26, 2024
Council Chambers, First Floor
101 W. 8TH STREET 6:00 PM

1. Roll Call

Present: Commissioners: John Houghton, Amy Connerton, Carolyn Cipperly, Pete Waller, Gregory Cowan, Matthew Simms

Also Present: Community Development Director Hannah Klausman, Planner II Emery Ellingson, Long Range Principal Planner Jim Hardcastle, Assistant City Attorney Richard Cremer-Petterson, Building Technician, Jose Vega

Actions: Commissioner Cipperly made a motion to seat Alternate Commissioner Gregory Cowan, motion seconded by Commissioner Connerton. Voice vote taken; motion passed unanimously.

2. Conflicts of Interest

None

3. Receipt of Minutes

February 27, 2024, Planning and Zoning Commission meeting minutes

Commissioner Connerton made a motion to approve the minutes, seconded by Commissioner Simms. Voice vote taken, passed unanimously.

4. Comments from citizens for items not appearing on the agenda

No public comment was offered.

5. New Items

a. Planning File #06-24 Code Text Amendments for Accessory Tourist Rental and Short-Term Rental Permits

Emery Ellingson, Planner II provided presentation on Planning File #06-24 for consideration of code text amendments to *Section 070.030.030(e)(7) Accessory Tourist Rental* and *Section 070.030.030(e)(9) Short Term Rental*. Staff recommended approval of the proposed code amendments as described in the staff report with findings and conditions on page 9 of the staff report.

Commissioner questions and comments, with staff responses included the following:

- *Question on definition of a free-market unit and why staff had suggested an ownership model change more similar to Crested Butte rather than one based on residency. Staff response:* Staff explained free market units are any unit that is not deed restricted. Staff clarified that creating

categories of resident and non-resident would be a larger change to the existing program beyond the scope of proposed amendment.

- *Question regarding how Council decided why to consider the changes and if there were any studies that showed an adverse impact to housing stocks.* **Staff response:** Staff provided background that Council was acting, in part, based on recommendations found in the Strategic Housing Action Plan (2022-2023), Regional Housing Study (2017-2019), and Regional Housing Study Covid Update, which all referenced short term rentals having adverse impacts on availability of housing stock.
- *Question on how many properties would be affected by the change in buffer regulation.* **Staff response:** Staff explained that the proposed change to 300' buffer would affect approximately 500 properties.
- *Question if a permit must demonstrate use within the permit period.* **Staff response:** Staff explained that to be eligible to renew a permit, the permit holder would have to show a minimum amount of lodging tax greater than zero within that permit period.
- *Question if a permit can be held in perpetuity.* **Staff response:** Staff explained that permits in good standing are allowed to continue to be renewed.
- *Question if the new buffer would create non-conforming properties that would be ineligible:* **Staff response:** Staff confirmed that increasing the buffer would likely create non-conforming licenses and staff emphasized that permit eligibility is dynamic and subject to changes as properties are bought and sold and as owners choose to continue or discontinue their permits.
- *Question on why staff report included language on trusts and LLCs while some communities only refer to trusts in their ordinances:* **Staff response:** Staff explained that concept was to illustrate legal entities that can have multiple owners, which encompasses numerous designations.
- *Question if the city has considered a lottery system for permit.* **Staff response:** Staff confirmed that the city does not utilize a waiting list or lottery system for permits.
- *Question why the units within the GID are not counted towards the cap.* **Staff response:** Staff explained that the GID was considered its own specific geographic area with unique characteristics which warranted special consideration.
- *Questions on timelines for Short Term Rental Permit and Building Permits:* **Staff response:** Staff provided examples illustrating the timelines and scenarios for Short Term Rental permit approval.
- *Question on enforcement changes and how that is tied to owner.* **Staff response:** Staff explained that some violations are tied only to the guest tenants and not the owner.
- *Question on the percentage ownership model being set at 33% and how that would function.* **Staff response:** Staff explained that if owners did not meet the threshold percentage of ownership, they could not hold a permit. Staff also indicated that 33% was a starting point for the Planning and Zoning Commission to consider.
- *Question on what the intended goal of requiring an individual hold a permit:* **Staff response:** Staff explained that not identifying a specific person to hold the permit allows for transfer loopholes to occur without staff's ability to verify a permit transfer.
- *Question if an emergency contact was required for permits.* **Staff response:** Staff confirmed that each permit is required to list a responsible party living within 30 minutes.
- *Question if any jurisdictions prohibit LLCs or trusts from having a permit.* **Staff response:** Staff explained that research on other communities only included Colorado and there may be other

jurisdictions that prohibit group ownerships from holding a permit. Legal counsel mentioned that prohibiting a corporation from holding a permit may present legal challenges.

- *Question if enforcement violations would go to both guests and owners:* **Staff response:** Staff explained that the violation goes to the tenant and not necessarily also the owner depending on type of violation. Staff noted the main goal is to align Municipal Code Section 100, which the Police Department observes to Municipal Code Section 0708 which is overseen by Community Development.

Commissioner Waller requested that each proposed code amendment be a separate action item with its own specific motion. This resulted in the following separate action items: buffer size, permit cap, permit percentage for calculating cap, application timelines, penalties and violations, and ownership models.

Commissioner Waller opened the item for public comment. No public comment received.

Buffer Size Item

Commissioner Connerton motioned to approve the staff recommended buffer size of 300'. Commissioner Houghton seconded the motion.

Commission discussion of the motion included the following:

- Multiple commissioners expressed interest in keeping the existing 250' buffer.
- Concern for properties anticipating applying for a permit that would lose opportunity with an expanded buffer.

Commissioner Waller called the item to question. Motion failed with a vote of 4-2 with Commissioners Cipperly, Connerton, Cowan, and Simms voting against the motion and Commissioners Waller and Houghton voting for the motion.

Total Permit Cap

Commissioner Cipperly motioned to approve the recommendation that GID permit numbers be included in the overall City permit cap. Commissioner Simms seconded the motion. Commission discussion of the motion included the following:

- One commissioner indicated that they felt the 18% cap in the GID was worth further consideration. Staff identified this proposal would fit better in separate item to be considered.

Commissioner Waller called the item to question. The motion passed unanimously with a vote of 6-0.

Permit Cap Alternatives

Commissioner Houghton motioned to lower the GID permit cap to 15%. Commissioner Cipperly seconded the motion. Commission discussion included the following:

- Support for lowering the GID limit with rationale that since parking is not required downtown, reducing number of permits would alleviate possible parking issues.
- Support for lowering the percentage to help preserve residential units in the downtown.
- Support for increasing the cap with rationale that this could help direct growth of STRs to the downtown area as opposed to other outlying residential areas.

Commissioner Waller called the item to question. Motion passes with a vote of 4-2. Commissioners Connerton, Houghton, Waller, and Cipperly in favor with Commissioner Cowan and Simms against.

Application Timelines

Commissioner Waller allowed discussion prior to making a motion. Commissioner discussion included the following:

- Multiple commissioners agreed that requiring a certificate of occupancy prior to applying for a Short-Term Rental Permit was a good idea.
- Multiple commissioners agreed that establishing a clear permit expiration date was a good idea.
- Support for ability to extend a permit application for an additional timeline for extenuating circumstances, pending approval from Building Official and Community Development Director.
- Discussion of appropriate timeline for application with six-month, nine month, and year lengths considered along with potential extension lengths.

Commissioner Cipperly motioned to adjust the permit timelines to require Certificate of Occupancy was required prior to application and for a permit timeline of 6 months for completion with an additional 2-month extension from Community Development Department. No second was received. Motion expired for lack of second.

Commissioner Houghton motioned to require a Certificate of Occupancy prior to application and a permit deadline of 6 months for completion with possible extension of 6 months at discretion of Community Development Director. Commissioner Connerton seconded the motion.

Commissioner Waller called the item to question. Motion passed unanimously 6-0.

Penalties/Violations

Commissioner Cipperly motioned to approve code amendment recommendations to the penalty and enforcement section as recommended by the staff report. Commissioner Cowan seconded the motion.

- Brief discussion by Commission with confirmation on how the penalties and violations currently function.

Commissioner Waller called the item to question. Motion passed unanimously 6-0.

Ownership Models

Commissioner Waller allowed discussion prior to the motion.

Commissioner discussed the following:

- Percentage thresholds for ownership and examples of permit transferability
- Support for utilizing natural person as requirement.

Commissioner Cipperly motioned to recommend the ownership model that the permit must be held by a natural person with a controlling interest of no less than 33% and that the natural person be 18 years of age or older.

Following the motion there was further discussion on whether the variance procedure would apply to the proposed regulations and transfer processes for unique situations outside applicant control. Staff explained this discussion could carry over to the upcoming Council meeting that staff would review possible remedy options for inclusion in the staff report.

Commissioner Waller called the item to question. Motion passed unanimously 6-0.

Following conclusion of the item, Commissioner Waller called for a five-minute recess.

ORDINANCE NO. 09

SERIES OF 2024

**AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS,
COLORADO, AMENDING THE GLENWOOD SPRINGS MUNICIPAL
CODE REGARDING THE REGULATION AND PERMITTING OF
ACCESSORY TOURIST AND SHORT-TERM RENTALS IN THE CITY.**

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

WHEREAS, the number of vacation rentals in the City has increased by over 1000% since 2013; and

WHEREAS, the Regional Housing Study concluded that the City currently has a shortage of 2000 housing units; and

WHEREAS, vacation rentals may have adverse impacts on the character of residential neighborhoods and the availability of long-term housing options; and

WHEREAS, in keeping with the goal of the City’s Comprehensive Plan to preserve small town character while maintaining livability, the City desires to minimize the adverse effects of vacation rentals on residential neighborhoods and the supply of housing in the City; and

WHEREAS, Code Section 070.030.030(e)(7) and (e)(9) contain provisions relating to the regulation of Accessory Tourist Rentals and Short-Term Rentals, respectively; and

WHEREAS, The Planning and Zoning Commission recommended approval of the amendments to the development code to count Short-Term Rental permits located within the GID towards the total cap on short rental permits, reduce the amount of Short-Term Rental permits located within the GID to be 15% of all free market residential units within the GID as defined by Garfield County Assessor, require a Certificate of Occupancy prior to application for a Short-Term Rental permit, require owners to complete the Short-Term Rental permit process within 6 months of a complete application with an additional 6-month extension at discretion of the Community Development Director, modify language in Penalties and Violation section, and to recommend that permits be held by natural persons, aged 18 years or older who hold a controlling interest of no less than 33% ownership of the property as set forth in **Exhibit A**; and

WHEREAS, at its regular meetings on May 2, 2024, City Council received and considered the recommendations of the Planning and Zoning Commission, comments and recommendations from City staff, and testimony from the public; and

WHEREAS, City Council desires to amend Sections 070.030.030(e)(7) and (9) to impose limitations on the total number of Short Term Rental Permits that may be issued within the City; specify application requirements to include a timeline for application expiration, certificate of occupancy; and clarification on grounds for revocation and/or nonrenewal of a vacation rental permit; and

WHEREAS, City Council finds and declares that the amendments to the Municipal Code regarding vacation rentals set forth in **Exhibit A** are proper in light of the needs and desires of the City and in the promotion of the public health, safety and welfare of the City's residents and visitors.

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

Section 1. The recitals hereinabove are hereby adopted as findings and incorporated herein.

Section 2. Section 070.030.030(e)(9) of the Glenwood Springs Municipal Code is hereby amended as set forth in Exhibit A attached hereto.

INTRODUCED, READ ON FIRST READING, PASSED AND ORDERED PUBLISHED BY
TITLE ONLY THIS ____ DAY OF _____ 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Ingrid Wussow, Mayor

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 _____ 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

ATTEST:

Ingrid Wussow, Mayor

Ryan Muse, City Clerk

EXHIBIT A

Text being deleted is ~~stricken through~~, and Double underlined text is added.

070.030.030 Use-Specific Standards.

...

(e) *Commercial Uses.*

...

(7) *Accessory Tourist Rental.*

- a. *Applicability and Intent.* The requirements of this Subsection shall apply to any residential dwelling unit or a portion of a residential dwelling within the City. This Subsection is applicable within a Planned Unit Development unless specifically identified as a prohibited use by the Planned Unit Development.
- b. *Owner Responsibilities.*
 1. The owner of the property or a resident manager must reside within one (1) of the bedrooms within the dwelling unit which is to be used as the accessory tourist rental and shall be present on the premises for the duration of the rental.
 2. The owner shall collect and pay all applicable local, state, and federal taxes including sales and lodging taxes.
 3. The owner is responsible for ensuring the accessory tourist rental meets all applicable local, state, and federal regulations. For example, C.R.S. § 38-45-101 et seq. requiring carbon monoxide alarms in a residential property.
 4. The owner is responsible for obtaining all required licenses in accordance with Title 050 of the Municipal Code.
- c. *Use and Occupancy Restrictions.*
 1. Parties renting the designated bedroom for transient rental shall have access to a private or shared full bathroom.
 2. Guest stays may only occur within the dwelling unit that the owner or resident manager occupies.
 3. The use is limited to one (1) designated bedroom with a maximum occupancy for two (2) people.
 4. The bedroom used for guest stays shall not include a kitchen or partial kitchen.
 5. Occupancy of the accessory tourist rental shall be established by International Property Maintenance Code (IPMC) and shall be listed on the accessory tourist rental permit.
 6. Residential units eligible for an accessory tourist rental permit shall not be issued or hold permits for another land use that would further impact traffic at the site of the accessory tourist rental, including special use permits for another land use per the applicable zoning designation of the property, or a license or permit issued through another regulatory agency; except that properties issued a special use permit for a single family dwelling in the

Hillside Preservation district or home occupation permit shall be eligible for an accessory tourist rental permit.

7. On properties with an accessory dwelling unit, only the primary dwelling on the property shall be eligible for an accessory tourist rental permit and the owner or resident manager must reside in the dwelling unit used as the accessory tourist rental.
8. In a multifamily building under single ownership, no more than ten (10) percent but at least one (1) unit may be permitted as an accessory tourist rental provided the owner ~~of~~ or the resident manager occupies the accessory tourist rental.

d. *Operation.*

1. All vehicles associated with the single family residence and accessory tourist rental use shall be parked in designated parking areas, such as driveways and garages, or on-street parking, where permitted. No parking shall occur on lawns or sidewalks.
2. The owner shall be responsible for ensuring that the accessory tourist rental complies with Section 100.010.060 of the Municipal Code, Garbage, Refuse, and Trash Collection. Owners and resident managers shall make arrangements for proper garbage, refuse, and trash collection.
3. The following information must be posted in a prominent and visible location in the designated bedroom permitted as an accessory tourist rental:
 - i. City of Glenwood Springs' license(s) and accessory tourist rental permit;
 - ii. Contact information for owner and/or resident manager, including phone number for twenty-four-hour response to emergencies;
 - iii. Description of location of fire extinguishers and emergency egress; and
 - iv. Any other information deemed necessary by the Director or Building Official to ensure the public's health and safety.
4. All advertising of an accessory tourist rental, including advertising on website vacation booking sites, shall display the City of Glenwood Springs accessory tourist rental permit number and business license number.

e. *Permit Procedures.*

1. *Limitation to Either Short-Term Rental or Accessory Tourist Rental.* A property owner may not be issued both an accessory tourist rental permit and a short-term rental permit on the same property at the same time; however, should an owner wish to change the use of a permitted accessory tourist rental, he or she may do so by filing an application for a short-term rental permit in accordance with Subsection 070.030.030(e)(9). Upon issuance of a new short-term rental permit, the pre-existing accessory tourist rental permit is automatically revoked.
2. *Application Requirements.* The owner shall submit the application on the form provided by the Director and shall pay the application fee set by City Council resolution.
3. *Issuance of Permit.* All accessory tourist rental uses shall require a permit from the Director. Such permit shall only be issued after the residential dwelling unit and bedroom designated for transient lodging has been approved in accordance with the Municipal Code. The accessory tourist rental permit shall specify any terms and conditions of the permit. All permits shall be issued to the owner of the property. A change in ownership

shall necessitate the issuance of a new permit. Permits shall be issued for a period of two (2) years and shall expire at the end of odd numbered years.

4. *Revocation of Permit.* An accessory tourist rental permit may be revoked at any time by the Director without following the hearing process in Section 070.010.080(e)(2) should it be determined that the use is not being operated in compliance with this section or any other section of the Municipal Code. An accessory tourist rental permit shall be revoked automatically upon the ~~property owner's~~ third cumulative conviction of a property owner, tenant, or guest for a violation occurring upon the premises of a provision in Articles 100.010 or 100.020 with respect to the accessory tourist rental.
5. *Penalties for Violations.* Any violation of this section occurring upon the premises shall be subject to a fine of two hundred fifty dollars (\$250.00) for the first offense, five hundred dollars (\$500.00) for the second offense, seven hundred fifty dollars (\$750.00) for the third offense, and one thousand dollars (\$1,000.00) for the fourth offense and all subsequent offenses. Each day's continuing violation shall be a separate and distinct offense.

A permit holder who fails to collect lodging taxes on an accessory tourist rental during the permit period shall not be permitted to renew the permit for the next two-year permit cycle.

...

(9) *Short-Term Rental.*

- a. *Intent.* The City of Glenwood Springs recognizes that there are benefits to allowing owners of residential units within the City to rent their dwelling units for periods of time less than thirty (30) days. Short-term rental of dwelling units bring additional visitors to the City, can allow owners to recoup housing costs, and provides revenues for the City through the additional tax collections. The provision of short-term rentals offers additional diversification to the resort and travelling professional accommodations market. However, due to the potential for adverse impacts, short-term rentals must be regulated by the City to protect the health, safety, and welfare of owners, neighbors, and visitors.
- b. *Applicability.*
 1. The requirements of this Subsection shall apply to any residential dwelling unit within the City. This Subsection is applicable within a Planned Unit Development unless the short-term rental of property is specifically identified as a prohibited use by the Planned Unit Development.
 2. This Subsection does not apply to any dwelling unit permitted as an Accessory Dwelling Unit.
 3. The City of Glenwood Springs is not a party to and does not enforce any private covenants. Private covenants may restrict the ability for owners to engage in short-term rentals.
- c. *Owner Responsibilities.*
 1. The owner shall designate a natural person located within a thirty-minute distance of the short-term rental who is available twenty-four (24) hours per day, seven (7) days per week, to serve as the local responsible party for the short-term rental and to immediately respond to any issues arising from the short-term rental. The designated responsible party may be the owner of the property. The owner shall notify the Director in writing of the designation of the responsible party within five (5) days of such designation or modification of any such designation.

-
2. The owner or responsible party shall collect and pay all applicable local, state, and federal taxes including sales and lodging taxes.
 3. The owner or responsible party is responsible for ensuring the short-term rental meets all applicable local, state, and federal regulations. For example, C.R.S. § 38-45-101 et seq. requiring carbon monoxide alarms in residential property.
 4. The owner or responsible party is responsible for obtaining all required licenses in accordance with Title 050 of the Municipal Code.
- d. *Use and Occupancy Restrictions.*
1. Occupancy limitations of a short term rental shall be established by the International Property Maintenance Code (IPMC) and shall be indicated on the short term rental permit.
 2. On properties with an accessory dwelling unit, only the primary dwelling on the property shall be eligible for a short-term rental permit.
 3. In a multifamily building under single ownership, no more than ten (10) percent but at least one (1) unit may be permitted as a short-term rental.
 4. In all areas outside the City's General Improvement District (GID), as the GID may be amended from time to time, the total number of short-term rentals shall be limited to five (5) percent of the City's total free market residential units as determined by the State Demography Office. In addition, a short-term rental unit shall be located a minimum of two hundred fifty (250) feet from any other short-term rental unit. This two hundred fifty foot limitation shall not apply to units in a multifamily building under single ownership, to parcels whose boundaries are not entirely contained within the two hundred fifty foot buffer distance, or to units that received permits prior to the effective date of this subsection or to timely renewals of such permits. However, the five (5) percent cap on short-term rentals includes existing permitted units.
 5. Within the GID, as it may be amended from time to time, the total number of short-term rentals shall be limited to ~~eighteen (18)~~ fifteen (15) percent of the GID's total free market residential units as determined by the Garfield County Assessor. In a multifamily building under single ownership, no more than two (2) units may be permitted as a short-term rental. GID short-term rental permits shall not count towards the total permit number limit identified under Paragraph 4 above.
- e. *Operation.*
1. All vehicles associated with the short-term rental use shall be parked in designated parking areas, such as driveways and garages, or on-street parking, where permitted. No parking shall occur on lawns or sidewalks.
 2. The owner shall be responsible for ensuring that the short-term rental complies with Section 100.010.060 of the Municipal Code, Garbage, Refuse, and Trash Collection. Owners and resident managers shall make arrangements for proper garbage, refuse, and trash collection.
 3. The following information must be posted in a prominent and visible location in the short-term rental:
 - i. City of Glenwood Springs' license(s) and short-term rental permit;
 - ii. Contact information for owner and/or resident manager, including phone number for twenty-four-hour response to emergencies;

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- iii. Description of location of fire extinguishers and emergency egress; and
 - iv. Any other information deemed necessary by the Director or Building Official to ensure the public's health and safety.
4. All advertising of a short-term rental, including advertising on website vacation booking sites, shall display the City of Glenwood Springs short-term rental permit number and business license number.
- f. *Permit Procedures.*
- 1. *Limitation to Either Short-Term Rental or Accessory Tourist Rental.* A property owner may not be issued both a short-term rental permit and an accessory tourist rental permit on the same property at the same time; however, should an owner wish to change the use of a permitted short-term rental permit, he or she may do so by filing an application for an accessory tourist rental permit in accordance with Subsection 070.030.030(e)(7). Upon issuance of a new accessory tourist rental permit, the pre-existing short-term rental permit is automatically revoked.
 - 2. *Application Requirements.* The owner shall submit the application on the form provided by the Director and shall pay the application fee set by City Council resolution.
 - a. At time of application, property shall have a Certificate of Occupancy for the property or unit which is subject of application.
 - b. At time of application, applicant shall provide proof of ownership in form approved by the Director.
 - c. Applicant shall be a natural person, aged 18 years or older, that holds a 33% or greater interest in the ownership of the property.
 - d. Applicant shall complete the entire application process within six months of complete application submittal with an additional 6-month extension at discretion of the Director.
 - 3. *Issuance of Permit.* All short-term rental uses shall require a permit from the Director. Such permit shall only be issued after the short-term rental application has been approved in accordance with the Municipal Code. The short-term rental permit shall specify any terms and conditions of the permit. All permits shall be issued to the owner of the property. A change in ownership shall necessitate the issuance of a new permit. Permits shall be issued for a period of two (2) years and shall expire at the end of odd numbered years.
 - 4. *Neighborhood Notification.* Upon issuance of a short-term rental permit, the property owner shall be responsible for mailing public notification of the permit to owners of all real property within two hundred fifty (250) feet of any boundary or edge of the subject property or parcel. The property owner shall provide certification to the Director that proper notice has been provided, including a signed affidavit. The format of such certification shall be established by the Director.
 - 5. *Revocation of Permit.* A short-term rental permit may be revoked at any time by the Director without following the hearing process in Section 070.010.080(e)(2) should it be determined that the use is not being operated in compliance with this section or any other section of the Municipal Code. A short-term rental permit shall be revoked automatically upon property owner's third cumulative conviction of a property owner, tenant, or guest for a violation occurring upon the premises of a provision in Articles 100.010 or 100.020 with respect to the short-term rental.

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6. *Penalties for Violations.* Any violation of this section occurring upon the premises shall be subject to a fine of two hundred fifty dollars (\$250.00) for the first offense, five hundred dollars (\$500.00) for the second offense, seven hundred fifty dollars (\$750.00) for the third offense, and one thousand dollars (\$1,000.00) for the fourth offense and all subsequent offenses. Each day's continuing violation shall be a separate and distinct offense.

A permit holder who fails to collect lodging taxes on a short-term rental during the permit period shall not be permitted to renew the permit for the next two-year permit cycle.

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City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item:	Ordinance 2024-10; AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING SECTIONS 100.010.090 and 100.010.100 FOR ANIMAL AND WILDLIFE PROTECTION REGARDING SOLID WASTE COLLECTION
Action Requested:	Approval of Ordinance Establishing Fees for not following wildlife trash container regulations.
Department:	Attorney
Presented By:	Karl Hanlon
Strategic Goals:	Protect and Preserve our Quality of Life
Background Info:	Current code requires residence to maintain trash in a manner that prohibits wildlife access. This ordinance establishes financial penalties for non-compliance.
Issues:	Currently code enforcement is limited to a citation with no fee or penalty.
Fiscal Impact:	Nominal.
Legal Review:	Legal drafted ordinance.
Staff Recommendation:	Approval of Ordinance 10 Series of 2024

ORDINANCE NO. 10

Series of 2024

AN ORDINANCE OF THE CITY OF GLENWOOD SPRINGS, COLORADO, AMENDING SECTIONS 100.010.090 AND 100.010.100 OF THE GLENWOOD SPRINGS FOR ANIMAL AND WILDLIFE PROTECTION REGARDING TO SOLID WASTE COLLECTION

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, Ordinance 05, Series of 2023 amended Article 100.010 regarding solid waste collection in the City; and

WHEREAS, Section 100.010.090 of the Glenwood Springs Municipal Code regulates animal and wildlife protection in the City and refers to a penalty schedule for violations; and

WHEREAS, City Staff are recommending an update to the penalty schedule and correcting the reference to the penalty schedule in Section 100.010.090; and

WHEREAS, Section 100.010.100 of the Glenwood Springs Municipal Code addresses violations of the provisions of Article 100.010; and

WHEREAS, City Staff are recommending a correction to the reference for punishments for violations of Article 100.010; and

WHEREAS, City Staff has recommended updating Sections 100.010.090 and 100.010.100 as set forth on **Exhibit A** attached hereto; and

WHEREAS, the City Council finds and declares that it is necessary for the preservation of health and safety of the City and its residents to amend the Sections 100.010.090 and 100.010.100.

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. Sections 100.010.090 and 100.010.100 of the Glenwood Springs Municipal Code is amended as set forth in **Exhibit A** attached hereto.

Section 3. The amendments to Sections 100.010.090 and 100.010.100 shall become effective on June 1, 2024.

INTRODUCED, READ, PASSED, AND ORDERED PUBLISHED BY TITLE ONLY
THIS ____ DAY OF MAY 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

Ingrid Wussow, Mayor

ATTEST:

Ryan Muse, City Clerk

INTRODUCED, READ ON SECOND READING, PASSED AND ORDERED
PUBLISHED BY TITLE ONLY TO BE EFFECTIVE IMMEDIATELY THIS ____ DAY OF
_____ 2024.

CITY OF GLENWOOD SPRINGS, COLORADO

Ingrid Wussow, Mayor

ATTEST:

Ryan Muse, City Clerk

EXHIBIT A

100.010.090 Animal and wildlife protection.

- (a) It shall be unlawful for any person, place of business, or occupant of premises within the City to store garbage, refuse or trash, including recyclables, that is attractive to or edible by animals or wildlife.
- (b) It shall be unlawful for the owner, occupant or any person with responsibility for maintenance of any property located within the City, including properties used for special events and properties that are the site of construction activities, to permit the accumulation on the property of garbage, refuse or trash attractive to or edible by animals or wildlife. Solid waste shall be stored on and collected from such properties in accordance with the provisions of this article.
- (c) It shall be unlawful for any person to knowingly leave or store any solid waste, recyclable, food product, pet food, grain, salt or any other materials attractive to or edible by animals or wildlife in a manner which may attract or entice animals or wildlife.
- (d) Bird feeders shall be permitted under this section. However, between the dates of April 15 and November 15, all feeders must be suspended on a cable or other device so that they are inaccessible to animals and wildlife, other than birds, and the area below the feeders must be kept free of the accumulation of seed, seed debris, or other attractive or edible materials.
- ~~(e) Penalty schedule for Section 100.010.065 violations. The penalties outlined below may be reduced or suspended upon the violator providing proof of purchase of a Wildlife Resistant Refuse Container on or before the violator's appearance in Municipal Court on such offense.~~
- (f) Persons, places of business or occupants of premises may place non-wildlife-resistant solid waste containers containing any trash or organics material at the curb, near the alley abutting the premises, or if there is no alley, in some accessible place where it can be removed by the collector between the hours of 6:00 a.m. and 7:00 p.m. on their designated collection day only. These containers shall be removed to a secure location such as inside the house, garage, enclosure or other area approved by the City during all other times. It is recommended that recyclable material containerization be managed in the same manner.
- (g) If animals or wildlife gain access to non-wildlife-resistant containers two (2) or more times during any twelve-month period, the City may require wildlife-resistant containers for all subsequent collections.

100.010.100 Violations.

- (a) Violations of Section 090 above shall be subject to the following fine schedule.
 - (1) First Offense: Fifty Dollar (\$50.00) fine to the owner, occupant or any person with responsibility for maintenance of such property.
 - (2) Second Offense: Five Hundred Dollar (\$500.00) fine to the owner, occupant or any person with responsibility for maintenance of such property.
 - (3) Subsequent Offenses: The Municipal Court may impose such fines and penalties as it is authorized pursuant to Municipal Code Section 010.020.080.
- (b) In addition to any other remedies provided by this article, any person violating any of the provisions of this article shall be deemed guilty of a misdemeanor and, upon conviction of the same, shall be punished in accordance with the provisions of Section 010.020.080.



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: City Manager

Action Requested:

Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: City Attorney

Action Requested:

Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Correspondence Incoming/Outgoing

Action Requested:

Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Council Social Event Location

Action Requested:

Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation:



City Council
STAFF REPORT
City of Glenwood Springs
May 2, 2024

Agenda Item: Adjournment

Action Requested:

Department: City Clerk

Presented By:

Strategic Goals:

Background Info:

Issues:

Fiscal Impact:

Legal Review:

Staff Recommendation: