

**Ridgway Town Council
Special Meeting Agenda
Thursday, July 24, 2025**

**Pursuant to the Town's Electronic Participation Policy,
the meeting will be conducted both in person and via a virtual meeting portal.
Members of the public may attend in person at the Decker Community Room,
located at 675 Clinton Street, Ridgway, Colorado 81432, or virtually using the
meeting information below.**

Join Zoom Meeting

<https://us02web.zoom.us/j/85740332860?pwd=TlDTqTwQNxkkakPF5cjie3r5FGUqKc.1>

Meeting ID: 857 4033 2860

Passcode: 217056

Dial by your location

+1 346 248 7799 US

+1 253 215 8782 US

3:00 p.m.

ROLL CALL Councilors Kevin Grambley, Polly Kroger, Michelle Montague, Terry Schuyler, Josey Scoville, Mayor Pro Tem Beth Lakin and Mayor John Clark

AGENDA ITEMS

1. Review of Scope of Work and Guaranteed Maximum Price to proceed with construction of the Beaver Creek Diversion Restoration Project, and consideration of authorization of staff to execute a construction agreement for Scope of Work
2. Release of Subdivision Improvement Agreement Vista Park Commons
3. Request for authorization to submit a Letter of Intent for the Local IMPACT Accelerator Grant Program

ADJOURNMENT

AGENDA ITEM #1



To: Honorable Mayor Clark and Ridgway Town Council
From: Preston Neill, Town Manager
Date: July 22, 2025
Agenda Topic: **Review of Scope of Work and Guaranteed Maximum Price to proceed with construction of the Beaver Creek Diversion Restoration Project, and consideration of authorization of staff to execute a construction agreement for Scope of Work**

BACKGROUND:

For a complete background on the Beaver Creek Diversion Restoration Project, visit <https://townofridgway.colorado.gov/beaver-creek-diversion-restoration-project>.

SUMMARY:

On March 19th, the Town issued a Request for Proposals (RFP) for Construction Manager at Risk (CMAR) for the Beaver Creek Diversion Restoration Project. The CMAR section of this staff report provides more information on the CMAR construction delivery method. The RFP sought proposals from qualified firms to provide pre-construction procurement and construction services using a CMAR construction delivery method.

Meridian Contracting, Inc. (Meridian) came out on top of that solicitation process and was awarded a Pre-Construction Services Agreement by the Town Council. That agreement was executed on May 13th and the Meridian team has been working closely with Town staff and the RESPEC Company, LLC (RESPEC) team since that time. RESPEC is the design engineer on the project.

ABOUT CMAR:

CMAR is an alternative project delivery method that differs from the more traditional Design-Bid-Build method. A construction manager is brought in early in the project in a consultant-type role to provide input during the design phase in order to help shape the project's scope and budget to optimize the constructability and cost efficiency of the design. During this phase the contractor provides cost estimates for the construction phase, typically at about 30%, 60% and 90% design. This allows the design team and the owner to have a good understanding of what the project is expected to cost and if necessary, adjust the direction of the design. At each of those milestones, there is typically an option to part ways if the process is not working for all the parties. If the parties feel like the process is proceeding as anticipated and the owner wants to continue working with the construction manager through construction, the construction manager commits to delivering the project within a guaranteed maximum price (GMP), which is better understood and negotiated during the early design stages.

During the construction, in the type of CMAR Ridgway is using, the construction manager will construct the project. With the GMP, the construction manager assumes the risk of any cost



overruns, meaning they absorb the costs if the project exceeds the GMP. However, the GMP does not cover unanticipated site conditions or changes that result from something not involving the contractor. The GMP will include a contingency for a list of risks associated with the project.

The GMP provides a clear cost ceiling for the project, fostering a transparent and collaborative relationship between the owner (i.e., the Town) and the construction manager. The construction manager's involvement early in the process can help streamline the design and construction phases, potentially leading to a faster and more cost-effective project delivery.

MORE ABOUT GMP:

With contracting for construction being based on the CMAR process, once the design is completed, the contractor that has been providing preconstruction services related to the design and cost estimating needs to provide a GMP. If the price is acceptable to the owner, the parties enter into a construction contract. If the Owner does not wish to continue, there is what is referred to as an "off ramp" at this point. Town staff opted to just have a single contract with a single GMP. We recognize that doing so might add several weeks to the schedule, but staff feels like the single contract better protects the Town's financial interests.

60% DESIGN AND COST ESTIMATE:

RESPEC provided 60% design drawings on June 24th. Comments on those plans were provided by the Natural Resources Conservation Service (NRCS) and Consolidated Consulting Services (i.e., the Town's contracted engineer). The cost estimate from Meridian for the 60% plans came in at \$2,154,000 with 20% contingencies.

90% DESIGN AND GMP:

The team, which includes RESPEC, Meridian, and Town staff, have been working vigorously to get to the point where 90% design drawings and a GMP can be produced and a Construction Services Agreement can be considered by the Town Council. The team has been trying to keep to the schedule that can be found in the Scope of Services within the agreement between the Town and RESPEC. That schedule has construction services starting on or around August 4th.

RESPEC provided 90% design drawings on July 22nd. The plans are attached to this staff report. Meridian's GMP was received on July 23rd and came in at \$2,365,832.00. This amount includes project contingency allowances and alternate pricing for remobilization in the event the project goes into 2026.

FINANCIAL IMPLICATIONS:

This project was identified as a Capital Improvement Project in the 2025 Annual Budget. The Town has secured the needed financing mechanisms to advance this project. They are described below:

- An emergency bridge loan through the CWCBC for an amount not to exceed \$8,080,000 (\$8,000,000 for project costs and \$80,000 for the 1% service fee).



- A grant and agreement award from the NRCS's Emergency Watershed Protection Program for \$4,311,369 worth of eligible expenditures. This amount includes a combination of federal and non-federal funds. The Town was also awarded \$430,000 of technical assistance to help fund engineering services.
- A grant from the Colorado Department of Public Safety, Division of Homeland Security and Emergency Management's Disaster Emergency Fund for \$2,000,000 with a local match requirement.

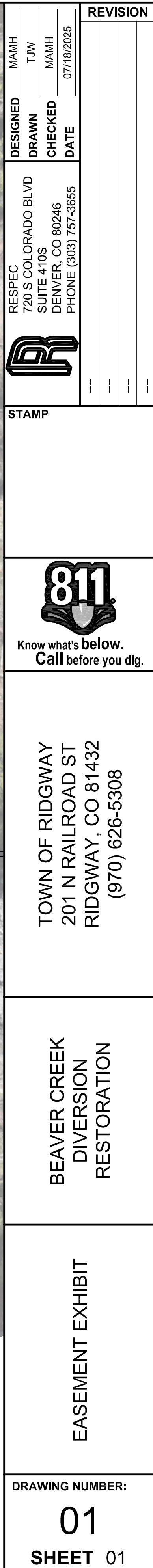
RECOMMENDATION:

At this time, the Town Council is being asked to weigh in with any thoughts, questions or concerns about the 90% construction drawings and the associated cost estimate/GMP to complete the project. Staff recommends that the Town Council consider approving a motion that would authorize staff to execute a Construction Services Agreement between the Town and Meridian for the Beaver Creek Diversion Restoration Project for a GMP of no more than \$2,400,000.00, with that amount including project contingency allowances.

ATTACHMENTS:

90% Construction Drawings for Beaver Creek Diversion Restoration Project

An aerial photograph of a wooded property with a survey overlay. A dashed line indicates a 'PROPOSED 25' EASEMENT' running from the top left towards the center. A solid line shows a path or boundary with several survey points labeled with bearings and distances, such as 'S89°24'47"W 57.00', 'N16°20'35"W 79.34', 'S13°23'02"W 35.68', 'N13°23'02"E 44.40', 'N1°48'04"E 41.24', 'S3°09'47"W 44.09', 'N12°32'14"W 25.36', 'S13°08'28"E 137.00', and 'N4°10'31"E 39.10'. A small building and a car are visible on the left side of the property. The terrain is covered with dense green trees and some cleared areas.



RESPEC
720 S COLORADO BLVD
SUITE 410S
DENVER, CO 80246
PHONE (303) 757-3655

STAMP



TOWN OF RIDGWAY
201 N RAILROAD ST
RIDGWAY, CO 81432
(970) 626-5308

BEAVER CREEK DIVERSION RESTORATION

EASEMENT EXHIBIT

DRAWING NUMBER:
01
SHEET 01

90% CONSTRUCTION DRAWINGS FOR
BEAVER CREEK DIVERSION RESTORATION
TOWN OF RIDGWAY, OURAY COUNTY

KEY PROJECT PROJECT CONTACTS

OWNER - TOWN OF RIDGWAY

PRESTON NEILL
TOWN MANAGER
970-626-5308
PNEILL@TOWN.RIDGWAY.CO.US

JOANNE FAGAN
TOWN ENGINEER
JFAGAN@TOWN.RIDGWAY.CO.US

ENGINEER - RESPEC

MICHELLE HOPKINS, PE
PROJECT MANAGER
720-775-6425
MICHELLE.HOPKINS@RESPEC.COM

CRYSTAL YOUNG
GEOMORPHOLOGIST
970-471-6848
CRYSTAL.YOUNG@RESPEC.COM

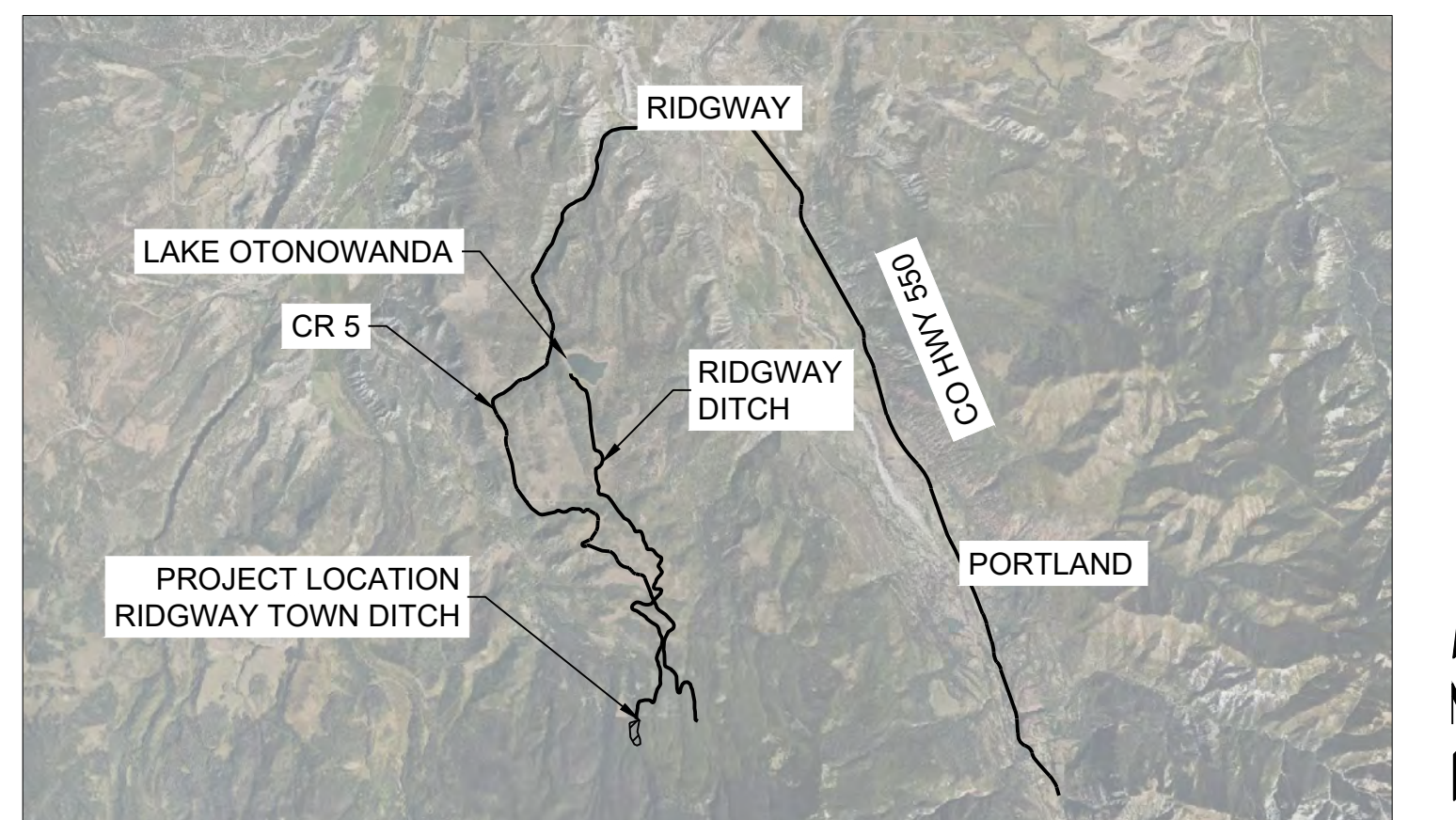
REBECCA NORTON, PE
DIVERSION ENGINEER
719-402-0010
REBECCA.NORTON@RESPEC.COM

FUNDING AGENCIES

NATURAL RESOURCE CONSERVATION SERVICE
CLINTON WHITTEN
COLORADO EWP PROGRAM MANAGER
970-439-3241
CLINTON.WHITTEN@USDA.GOV

COLORADO DIVISION OF HOMELAND SECURITY & EMERGENCY MANAGEMENT
ELSA HENRY
RECOVERY GRANTS MANAGER
720-467-1979
ELSA.HENRY@STATE.CO.US

COLORADO WATER COMMISSION BOARD
JOSHUA GODWIN
CONSTRUCTION FINANCE PROJECT MANAGER
850-450-8253
JOSHUA.GODWIN@STATE.CO.US



LOCATION MAP
1" = 10,000'

SHEET LIST TABLE

SHEET #	DRAWING #	TITLE
1	G-1	COVER SHEET
2	G-2	NOTES & LEGEND
3	G-3	RANCH ROAD PLAN
4	C-1	EXISTING CONDITIONS & DEMOLITION
5	C-2	HORIZONTAL CONTROL PLAN
6	C-3	SITE PLAN
7	C-4	OVERALL GRADING PLAN
8	C-5	PIPELINE PLAN & PROFILE
9	C-6	ACCESS ROAD PLAN & PROFILE
10	C-7	SPRING PIPELINE PLAN & PROFILE
11	C-8	STREAM PLAN & PROFILE
12	C-9	STREAM SECTIONS
13	C-10	A-TYPE DETAILS
14	C-11	BANK STABILIZATION DETAILS
15	C-12	J-HOOK DETAILS
16	C-13	BOULDER PLACEMENT DETAILS
17	C-14	MEASUREMENT FLUME
18	C-15	INFILTRATION GALLERY PLAN & PROFILE
19	C-16	INFILTRATION GALLERY DETAILS
20	S-1	STRUCTURAL NOTES
21	S-2	DIVERSION STRUCTURE
22	S-3	COLLECTION BOX DETAIL
23	T-1	ENCLOSURE & EQUIPMENT DETAIL
24	ER-1	INITIAL & INTERIM EROSION CONTROL PLAN
25	ER-2	FINAL STABILIZATION & RESTORATION PLAN
26	ER-3	EROSION CONTROL DETAILS (1 OF 5)
27	ER-4	EROSION CONTROL DETAILS (2 OF 5)
28	ER-5	EROSION CONTROL DETAILS (3 OF 5)
29	ER-6	EROSION CONTROL DETAILS (4 OF 5)
30	ER-7	EROSION CONTROL DETAILS (5 OF 5)

PERMITS

THE FOLLOWING PERMITS HAVE BEEN APPLIED FOR THE PROJECT.

USACE RGP 96 - <i>ISSUE NUMBER</i>
STATE DEWATERING PERMIT - <i>ISSUE NUMBER</i>

CONTRACTOR SHALL ADHERE TO ALL GENERAL AND SPECIAL
CONDITIONS OF THE PERMIT(S) WHEN AUTHORIZED.

SURVEY CONTROL MONUMENTS

DATUM IS IN COLORADO STATE PLAN SOUTH ZONE, US SURVEY
FT WITH NAD88 VERTICAL DATUM

CP 100
NORTHING: 1513883.59
EASTING: 2348118.56

CP 101
NORTHING: 1513767.61
EASTING: 2348048.78

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-COVER.DWG
PLOT DATE: July 22, 2025 7:16 PM. BY: MICHELLE HOPKINS

DESIGNED	MAMH	
	DRAWN	
	MTT	
	MAMH	
	CHECKED	
	DATE	06/24/2025
RESPEC 720 S COLORADO BLVD #108 DENVER CO 80246 PHONE (303) 757-3855		 XXXXXX XXXXXX XXXXXX XXXXXX
STAMP		
 Know what's below. Call before you dig.		
TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308		
BEAVER CREEK DIVERSION RESTORATION		
COVER SHEET		
DRAWING NUMBER:		
G-1		
SHEET 1		

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708 25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-SCOVER.DWG
PLOT DATE: JULY 22, 2025 7:16 PM BY: MICHELLE HOPKINS

PROJECT LIMITS

- ALL CONSTRUCTION ACTIVITY SHALL BE CONFINED TO THE PROJECT LIMITS AS DEFINED ON THE EROSION CONTROL SHEETS. THE GENERAL LOCATIONS OF THE PROJECT LIMITS SHALL BE SURVEYED BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS WHOLLY RESPONSIBLE FOR MAINTAINING CONSTRUCTION BARRIERS AND TO LIMIT PUBLIC ENTRY INTO DEFINED PROJECT LIMITS. ACCESS SHALL BE LIMITED TO THE EXISTING ACCESS ROAD AND STAGING AREA. THE ACCESS GATE SHALL REMAIN LOCKED AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY FACILITIES REQUIRED FOR PERFORMING THE WORK. TEMPORARY CONSTRUCTION FACILITIES AND UTILITY CONNECTIONS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CLEAN AND SAFE ENVIRONMENT FOR ALL WORKERS ON THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SANITARY FACILITIES. CONTRACTOR SHALL FOLLOW OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL POWER, WATER AND UTILITY NEEDS. CONTRACTOR SHALL KEEP THE PROJECT LIMITS IN A NEAT AND ORDERLY MANNER. CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY FACILITIES AND CONTROLS AFTER COMPLETION OF ALL WORK.

CONSTRUCTION STAKING

- THE ENGINEER SHALL PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CONTROL POINTS FOR THE CONTRACTOR TO ESTABLISH THE LINES AND GRADES SHOWN ON THE PLANS. INITIAL CONSTRUCTION STAKING OF CONTROL LINES AND HYDRAULIC FEATURES SHALL BE PROVIDED BY THE ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES. GRADE, ELEVATIONS AND ADDITIONAL CONSTRUCTION STAKING SHALL BE WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR.
- ESTABLISHED CONTROL POINTS SHALL BE PROVIDED WITH SPECIAL COLORED FLAGGING AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THOSE CONTROL POINTS. IN THE EVENT THEY ARE LOST, DUE TO ANY CAUSE, THE CONTRACTOR SHALL RE-ESTABLISH ADEQUATE AND PERMANENT CONTROL MARKERS.

SITE INTEGRITY

- MEET STANDARD SPECIFICATION PLACEHOLDER OR AS MODIFIED HEREIN.
- THE CONTRACTOR IS REQUIRED TO DOCUMENT THE CONDITION OF THE PROJECT SITE AND ACCESS ROAD WITH PHOTOGRAPHS OR VIDEO RECORDINGS. THE CONTRACTOR IS RESPONSIBLE FOR REHABILITATING, REPAIRING OR REPLACING, TO PRE-CONSTRUCTION CONDITIONS, ANY DAMAGE TO THE ROAD, ACCESS GATES, PIP VEGETATION OR LANDS DIRECTLY OR INDIRECTLY RELATED TO CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE UNDERLYING LAND OWNER.

EROSION CONTROL AND BMPS

- STAGING AREAS ARE DEFINED ON THE PROJECT DRAWINGS. ALL CONSTRUCTION STAGING, STOCKPILING OF MATERIALS, EQUIPMENT STORAGE, ETC. SHALL TAKE PLACE IN DESIGNATED AREAS WITH ADEQUATE BARRIERS TO PROTECT THE PUBLIC FROM ENTRY, AND ADEQUATE BMPS IN PLACE PRIOR TO COMMENCING WORK. STAGING AREAS SHALL HAVE A DESIGNATED AREA WITH CONTACT INFORMATION POSTED FOR INQUIRES. STAGING AREAS SHALL PROVIDE EMPLOYEES ALL NECESSARY FACILITIES, LEGAL POSTINGS, AND SAFETY PROTOCOL.
- CONSTRUCTION ACTIVITIES ARE ANTICIPATED TO PRODUCE SIGNIFICANT SOLID WASTE MATERIALS (TIMBERS AND CONCRETE), AND CLEAN FILL MATERIALS. NO POTENTIALLY CONTAMINATED SOILS ARE ANTICIPATED TO BE UNCOVERED DURING CONSTRUCTION ACTIVITIES.
- WORK IN THE CHANNEL IS PERMITTED TO BE IN THE WET DURING NORMAL SEASONAL FLOW CONDITIONS. NO WORK SHALL OCCUR DURING A STORM EVENT. THE CONTRACTOR IS RESPONSIBLE TO CHECK THE WEATHER EACH DAY AND MONITOR FLOW LEVELS. EACH DAYS WORK SHALL BE COMPLETE SUCH THAT IF A STORM EVENT OCCURRED NO DAMAGE WOULD OCCUR TO THE PROJECT SITE AND STRUCTURES.
- WATER CONTROL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE APPROVED BY THE STATE DEWATERING PERMIT.
- DEWATERING FOR PLACEMENT OF PRECAST STRUCTURES, OR GROUT, MAY REQUIRE A GROUND WATER PUMP. ALL PUMPED GROUND WATER SHALL BE DISCHARGED BACK TO THE CHANNEL THROUGH A FILTRATION SOCK. DISCHARGED WATER SHALL NOT EXCEED 10 NTUS.
- EQUIPMENT SHALL BE ALLOWED TO OPERATE IN THE WET CHANNELS. EQUIPMENT OPERATING IN OR ADJACENT TO ANY WET CHANNELS SHALL BE FREE OF ANY FLUID LEAKS AND IN EXCELLENT OPERATING CONDITION. BIODEGRADABLE HYDRAULIC FLUIDS ARE RECOMMENDED FOR EQUIPMENT OPERATING IN THE FLOWING CHANNEL. NO EQUIPMENT SHALL BE LEFT UNATTENDED, AT ANY TIME, IN ANY WET CHANNEL OR BELOW THE ORDINARY HIGH WATER LINE EQUIPMENT STORAGE SHALL OCCUR IN A DESIGNATED UPLAND LOCATION IN THE STAGING AREA.
- ALL EQUIPMENT SHALL BE CLEANED PRIOR TO BEING MOBILIZED ON-SITE TO MINIMIZE POTENTIAL SPREADING OF INVASIVE SPECIES. EQUIPMENT SHALL BE POWER-SPRAYED AND FREE OF WEEDS. IF ANY EQUIPMENT

- BEING USED FOR THE PROJECT HAS BEEN PREVIOUSLY WORKING IN ANOTHER STREAM, RIVER, LAKE, POND OR WETLAND, ONE OF THE FOLLOWING DISINFECTION PRACTICES IS NECESSARY PRIOR TO CONSTRUCTION TO PREVENT THE SPREAD OF WHIRLING DISEASE, NEW ZEALAND MUD SNAILS, ZEBRA MUSSELS, DIDYMOSPHENIA, AND OTHER AQUATIC HITCHHIKERS. CLEANING OF EQUIPMENT INCLUDE GROUND CREW BOOTS, WADERS, SHOVELS OR OTHER TOOLS.
- REMOVE ALL MUD AND DEBRIS FROM EQUIPMENT (TRACKS, TURRETS, BUCKETS, DRAGS, TEETH, HAND TOOLS, BOOTS, ECT.) AND SPRAY/SOAK EQUIPMENT IN A 1:15 SOLUTION OF SPARQUAT INSTITUTIONAL CLEANER AND WATER. KEEP EQUIPMENT MOIST FOR AT LEAST 10 MINUTES; OR
 - REMOVE ALL MUD AND DEBRIS FROM EQUIPMENT (TRACKS, TURRETS, BUCKETS, DRAGS, TEETH, HAND TOOLS, BOOTS, ETC.) AND SPRAY/SOAK EQUIPMENT WITH WATER GREATER THAN 140 DEGREES FAHRENHEIT FOR AT LEAST 10 MINUTES.
 - THE EXCAVATORS AND BACKHOES MAY NEED TO BE CLEANED ON SITE TO REMOVE EXCESS SEDIMENTS STUCK TO THE TRACK OR HOES. SEDIMENTS THAT ARE REMOVED WITH A SHOVEL SHALL BE PLACED IN DESIGNATED CLEAN FILL MATERIAL STORAGE AREAS. SEDIMENTS REMOVED WITH CLEAN WATER SHALL BE WASHED INTO THE DEWATERING AREA. ALL DEWATERING AREAS SHALL HAVE EROSION CONTROL LOGS STAKED AT FLOW LINES BEFORE POTENTIAL TRANSPORT TO THE BEAVER CREEK.
- ANY AND ALL FUELING AND OILING OF EQUIPMENT SHALL BE IN DESIGNATED UPLAND LOCATIONS, WITH ADEQUATE BMP'S TO CONTAIN ANY POTENTIAL SPILL. ALL MAJOR EQUIPMENT/VEHICLE MAINTENANCE SHALL BE PERFORMED OFF-SITE. FUEL TANK(S) MAY BE KEPT ON-SITE IN THE STAGING AREA WITH DRIP PANS UNDERNEATH THE FUELING AREA. ALL EQUIPMENT FLUIDS GENERATED FROM MAINTENANCE ACTIVITIES SHALL BE DISPOSED OF INTO DESIGNATED DRUMS STORED ON SPILL PALLETS IN ACCORDANCE WITH HAZARDOUS WASTE MANAGEMENT PRACTICES. DRIP PANS SHALL BE PLACED UNDER ALL EQUIPMENT RECEIVING MINOR OR ROUTINE MAINTENANCE.
 - A SPILL CLEANUP PLAN IS WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE POSTED AND AVAILABLE AT ALL TIMES ON SITE FOR ALL WORK AREAS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND SHALL INCLUDE COORDINATION WITH LOCAL EMERGENCY RESPONSE AGENCIES. IN THE EVENT OF A SPILL DURING REFUELING OR EQUIPMENT MAINTENANCE, PETROLEUM CONTAMINATED SOILS AS DEFINED IN 6 CCR 1007-3 268.36 SHALL BE DISPOSED OF, IN A COLORADO HAZARDOUS MATERIALS AND WASTE MANAGEMENT QUALIFIED SOLID WASTE FACILITY.
 - A RELEASE OF ANY CHEMICAL, OIL, PETROLEUM PRODUCT, SEWAGE, ETC., WHICH MAY ENTER SURFACE OR GROUND WATER SHALL BE REPORTED TO THE DIVISION OF WATER QUALITY AS REQUIRED UNDER THE CLEAN WATER ACT AND THE OIL POLLUTION ACT.

ROAD ACCESS AND HAUL ROUTES

- THE IMPORT AND EXPORT OF EQUIPMENT AND MATERIALS FROM THE PROJECT LIMITS SHALL OCCUR AT DESIGNATED LOCATIONS AT DEFINED ROAD ACCESS AND HAUL ROUTES.
- DUST CONTROL SHALL BE IMPLEMENTED AS NEEDED. SPRAYING OF WATER AT A RATE OF 300 GALLONS PER ACRE OR LESS SHALL BE PERFORMED BY A MOBILE PRESSURE-TYPE DISTRIBUTOR TRUCK WHENEVER THE DRYNESS OF THE SOIL WARRANTS IT.

PROTECT IN PLACE TREES, AQUATIC RESOURCES, RIPARIAN AREAS AND SPECIAL GUARANTEES

- ENGINEER AND THE LANDOWNER WILL MARK ALL TREES FOR REMOVAL AND SELECTIVE CLEARING AND PRUNING FOR EQUIPMENT ACCESS AND SITE RESTORATION.
- CONTRACTOR GUARANTEES THAT CARE, CAUTION AND BEST MANAGEMENT TECHNIQUES ARE IMPLEMENTED TO MAXIMIZE THE SURVIVABILITY OF NATIVE MATURE TREES NOT DESIGNATED FOR REMOVAL.
- ALL PROTECT IN PLACE VEGETATION SHALL HAVE 100% SUCCESS RATE, SHOWING VIGOR AND GENERAL HEALTH, FOR ONE YEAR AFTER PIP MEASURES ARE CONDUCTED.

CULTURAL RESOURCES

- NO CULTURAL RESOURCES ARE ANTICIPATED TO BE IMPACTED BY THE PROJECT. IF POTENTIAL CULTURAL RESOURCES IN THE PROJECT AREA ARE DISCOVERED DURING CONSTRUCTION AND CANNOT BE AVOIDED, CONTRACTOR SHALL SUSPEND CONSTRUCTION ACTIVITIES IN THAT AREA UNTIL THE PROPERTIES CAN BE EVALUATED FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES IN CONSULTATION WITH COLORADO STATE HISTORICAL PRESERVATION OFFICE.

DIVERSION PIPELINE NOTES

- ALL STATIONING IS CENTER LINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE INVERT ELEVATION UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY

- THE ENGINEER. THE ENGINEER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- ALL OVER-LOT GRADING MUST BE COMPLETED TO WITHIN ONE (1) FOOT OF FINAL GRADE PRIOR TO INSTALLATION OF WATER INFRASTRUCTURE.
 - ALL WATER MAIN PIPE SHALL BE AWWA C900 PVC OR EQUAL, PRESSURE CLASS 200. ALL WATER MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THRUST BLOCKS. ALL WATER MAIN PIPE SHALL HAVE A MINIMUM COVER DEPTH OF THREE (3) FEET.
 - DUCTILE IRON FITTINGS AND VALVES SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
 - ALL DUCTILE IRON FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 9 LB. MAGNESIUM ANODES AT EACH FITTING.
 - ALL MAIN LINES (PVC, HDPE & DUCTILE IRON) SHALL BE INSTALLED WITH COATED #12 TRACER WIRE WITH TEST STATIONS AT INTERVALS NO GREATER THAN 500 FT.
 - COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL REPORTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
 - THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE TOWN AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
 - ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
 - BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPELINE CONSTRUCTION.
 - ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE TOWN AS REQUESTED.
 - AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE TOWN AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
 - PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE TOWN AND THE ENGINEER PRIOR TO EXECUTION.
 - THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING THAT MAY BE CAUSED DURING CONSTRUCTION.
 - TESTING OF FACILITIES:
 - THE CONTRACTOR SHALL NOTIFY THE TOWN AND ENGINEER A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS
 - TEST 100 % OF ALL LINES WITHIN THE SEGMENT
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
 - SEE SPECIFICATION SECTION 33 01 12 FOR ADDITIONAL TESTING REQUIREMENTS.

- NO WATER MAIN FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUSHING, COMPACTION TESTING.
- ALL WATER MAINS, INCLUDING SERVICE LINES, SHALL HAVE THE RELEVANT "AS-BUILT" DRAWING SHEETS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE TOWN AND ENGINEER.
- CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING SPRING WATER LINE WITHOUT SHUTDOWN, OR ELSE NOTIFY THE TOWN OF ANY SERVICE SHUTDOWNS NECESSARY TO CONNECT TO EXISTING LINES.

LEGEND

- XXXX — EX MAJOR CONTOURS
- EX MINOR CONTOURS
- XXXX —— PR MAJOR CONTOURS
- PR MINOR CONTOURS
- EX FENCE
- EX EASEMENT LINE
- - - EX ROW
- - - - - PARCEL LINE
- STM — EX STORM PIPE
- PR STORM PIPE
- PR STORM MANHOLE
- EX DITCH DIVERSION
- EX DITCH FLOWLINE
- - - EX CHANNEL FLOWLINE
- ⬡ EX ROCK OR BOULDER
- ⬢ PR ROCK OR BOULDER
- EX LOG
- PR LOG
- PR TYPE H ONSITE MIX
- PR MAINTENANCE PATH
- - - - - PR LIMITS OF GRADING

EROSION CONTROL LEGEND

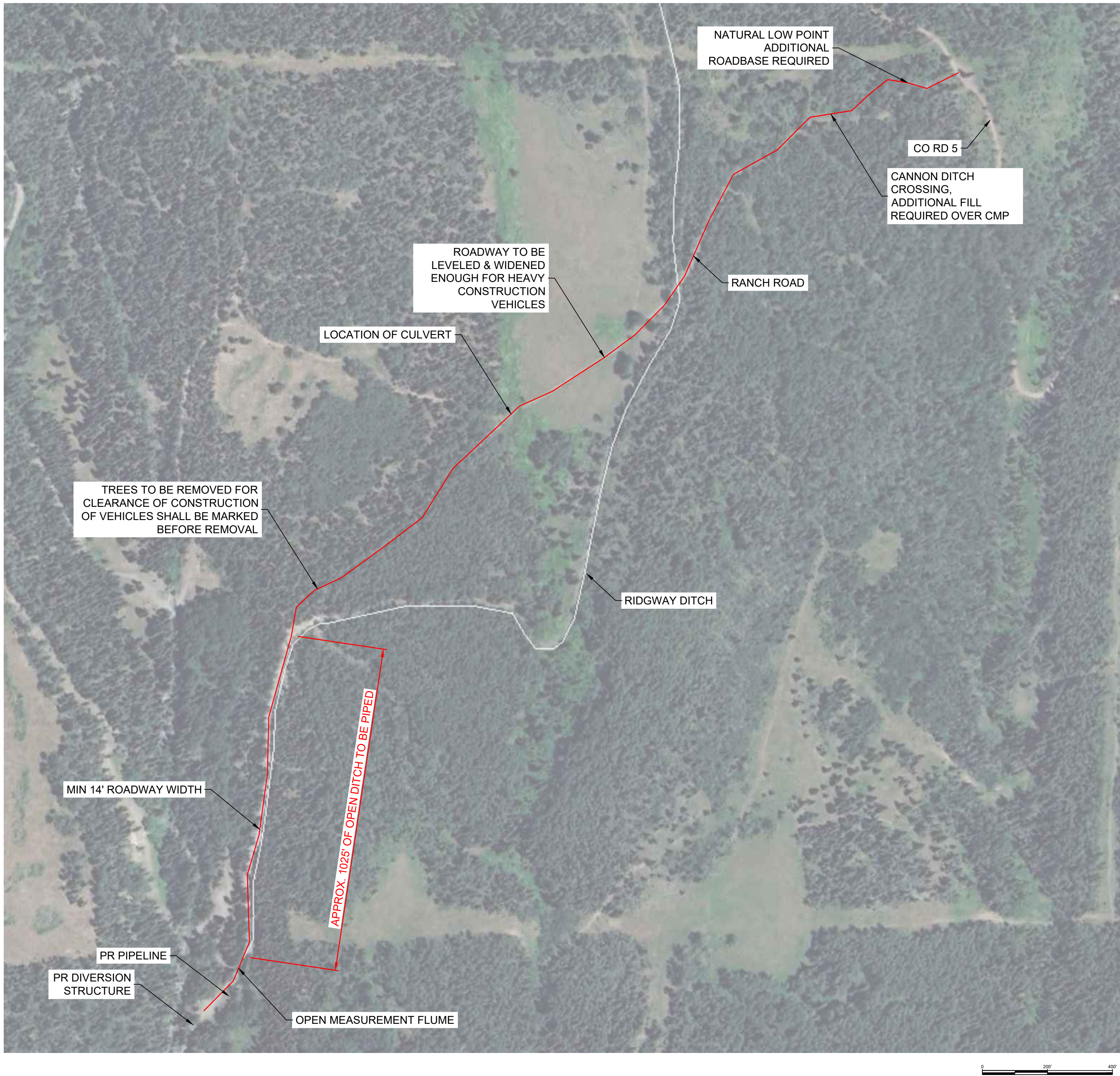
- CWA CONCRETE WASHOUT AREA
- CF CONSTRUCTION FENCE
- ⬢ IP INLET PROTECTION
- SCL SEDIMENT CONTROL LOG
- DSM DRILL SEED AND SOIL STABILIZER
- SM BROADCAST SEEDING AND MULCHING
- SSA STABILIZED STAGING AREA
- SS STREET MAINTENANCE (SWEEPING)
- TOP TEMPORARY OUTLET PROTECTION
- TP TREE PROTECTION
- TSC TEMPORARY STREAM CROSSING
- VTC VEHICLE TRACKING CONTROL
- - - - - LOC LIMITS OF CONSTRUCTION
- - - - - LOD LIMITS OF DISTURBANCE

ABBREVIATIONS

- TBR - TO BE REMOVED
- TBR&R - TO BE REMOVED & REPLACED
- TBS - TO BE SALVAGED
- AIP - ABANDON IN PLACE
- PIP - PROTECT IN PLACE
- EXCON - EXISTING CONDITIONS
- STM - STORM

DESIGNED DRAWN CHECKED DATE	MAH/M MTT MAH/M 06/24/2025	REVISION
RESPEC 720 S COLORADO BLVD SUITE 410S DENVER, CO 80246 PHONE (303) 757-3855		
STAMP		
TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308		
BEAVER CREEK DIVERSION RESTORATION		
NOTES & LEGEND		
DRAWING NUMBER: G-2 SHEET 2		

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708 25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-SEX-COND & DEMO.DWG
PLOT DATE: July 22, 2025 7:16 PM BY: MICHELLE HOPKINS



NOTES

1. THE PROPERTY OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH ROADWAY IMPROVEMENTS IN RELATION CREATED FOR THIS PROJECT WILL BE TEMPORARY OR PERMANENT BEFORE CONTRACTOR DEMOBILIZATION.
2. CONTRACTOR SHALL MARK TREES FOR REMOVAL FOR FINAL APPROVAL BY EITHER THE PROPERTY OWNER'S REPRESENTATIVE OR THE ENGINEER.
3. PORTIONS OF THE RANCH ROAD MAY BE WIDENED FOR CONSTRUCTION ACCESS. A TEMPORARY CONSTRUCTION EASEMENT OR AGREEMENT LETTER SHALL BE SIGNED BY THE PROPERTY OWNER OR AUTHORIZED PERSONNEL BEFORE MAKING IMPROVEMENTS TO RANCH ROAD.

RESPEC 720 S COLORADO BLVD SUITE 410S DENVER, CO 80246 PHONE (303) 757-3855 RESPEC	DESIGNED	MAMH	REVISION
	DRAWN	MTT	
	CHECKED	MAMH	
	DATE	06/24/2025	
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TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308			
BEAVER CREEK DIVERSION RESTORATION			
RANCH ROAD PLAN			
DRAWING NUMBER:			
G-3			
SHEET			3

EX DEBRIS PILE

EX DEBRIS PILE

EX PARKING AREA TO BE RESTORED TO EXCON

EX EDGE OF GRAVEL TO BE RESTORED TO EXCON

EX DITCH CENTERLINE

EX 4X4 ACCESS ROAD

EX BURIED TIMBER HEADWALL AIP

EX BURIED STEEL FLUME AIP

EX 6" PVC SPRING PIP

EX "STRING" OF KEYSTONE BOULDERS PIP

FORMER PUSH-UP DAM

EX KEYSTONE BOULDER

EX KEYSTONE BOULDER

EX BURIED GRIZZLY DIVERSION STRUCTURE AIP

EX WETLANDS PIP

2'-4' BOULDER (TYP) TO BE HARVESTED

DOWNS OR DEAD TREE (TYP.) TO BE HARVESTED

EX DEBRIS PILE

NOTES:

1. ON SITE DOWNED AND DEAD TREES SHALL BE USED IN THE BANK PROTECTION. SEE SHEET C-12. USE TREES THAT ARE EASILY ACCESSED FROM THE CHANNEL BED FIRST TO LIMIT DISTURBANCE BEFORE HARVESTING FROM FURTHER LOCATIONS. LAND OWNER TO GIVE PERMISSION OF HARVESTING TREES AND MARK TREES FOR HARVESTING.
2. ON SITE BOULDERS SHALL BE USED IN THE CHANNEL RESTORATION. SEE SHEET C-2. USE BOULDERS THAT ARE EASILY ACCESSED FROM THE CHANNEL BED FIRST TO LIMIT DISTURBANCE BEFORE HARVESTING FROM FURTHER LOCATIONS. LAND OWNER TO GIVE PERMISSION OF HARVESTING BOULDERS.
3. CONTRACTOR SHALL LIMIT EXCAVATION ACTIVITIES DIRECTLY ADJACENT TO STRING OF KEYSTONE BOULDERS TO LIMIT COMPROMISING TOE RETURN STABILITY.
4. THE APPROXIMATE NUMBER OF TREES THAT CAN BE HARVESTED ON SITE IS 25. THE APPROXIMATE NUMBER OF 2'-4' BOULDERS THAT CAN BE HARVESTED ON SITE IS 141.

SCALE: 1" = 50'

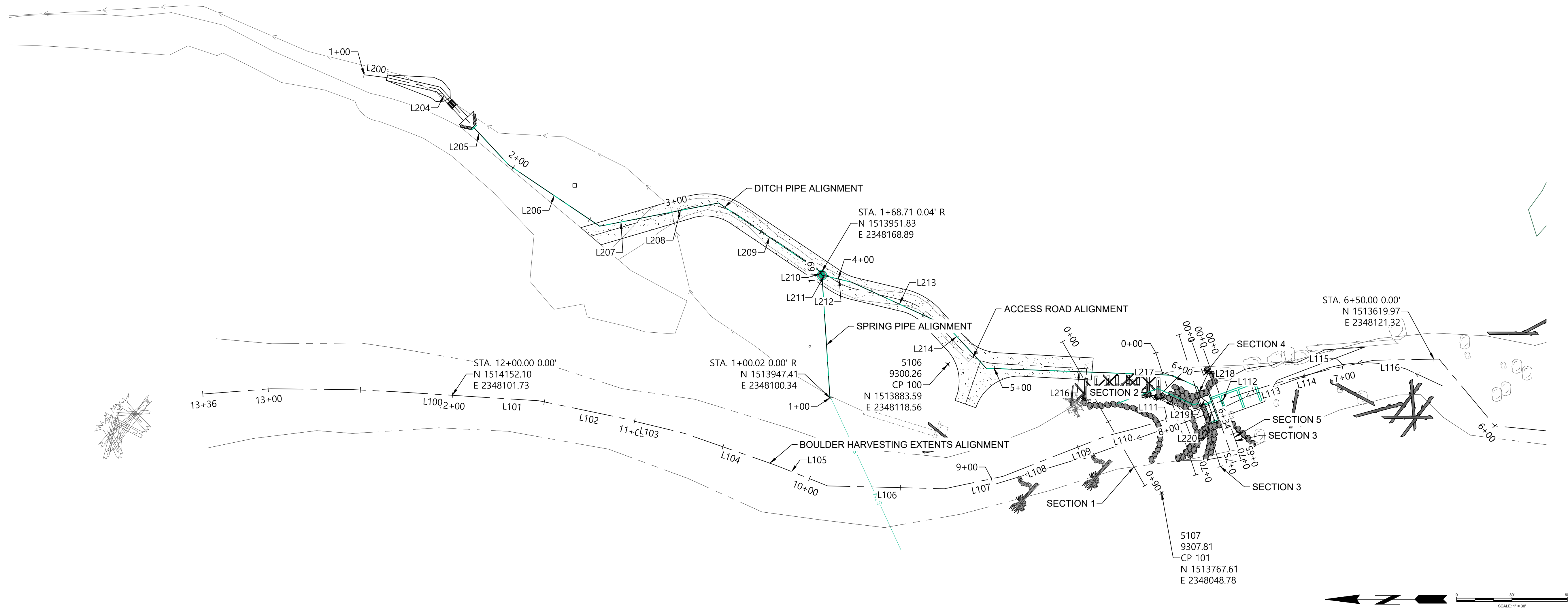
DRAWING NUMBER: C-1 SHEET 4	EXISTING CONDITIONS & DEMOLITION	BEAVER CREEK DIVERSION RESTORATION	TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308	 Know what's below. Call before you dig.		RESPEC 1015 COLORADO BLVD SUITE 110S DENVER, CO 80246 PHONE (303) 757-3655	DESIGNED DRAWN CHECKED DATE	MAMH MITT MAMH 06/24/2025	REVISION

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-HORIZ-CTRL.DWG
PLOT DATE: July 22, 2025 7:16 PM BY: MICHELLE HOPKINS

BOULDER HARVESTING EXTENTS								
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA	START NORTHING	START EASTING	END NORTHING	END EASTING
L100	50.79'		N03° 34' 46.22"E		1514133.31	2348100.55	1514184.00	2348103.72
L101	28.11'		N03° 34' 56.63"E		1514105.26	2348098.79	1514133.31	2348100.55
L102	43.96'		N11° 45' 50.85"E		1514062.22	2348089.83	1514105.26	2348098.79
L103	36.97'		N13° 41' 59.31"E		1514026.30	2348081.08	1514062.22	2348089.83
L104	51.13'		N19° 12' 47.56"E		1513978.02	2348064.25	1514026.30	2348081.08
L105	31.59'		N21° 38' 35.81"E		1513948.65	2348052.60	1513978.02	2348064.25
L106	63.29'		N01° 24' 28.00"E		1513885.38	2348051.04	1513948.65	2348052.60
L107	32.35'		N11° 57' 04.12"W		1513853.74	2348057.74	1513885.38	2348051.04
L108	28.95'		N21° 20' 11.35"W		1513826.77	2348068.27	1513853.74	2348057.74
L109	31.16'		N21° 18' 15.56"W		1513797.74	2348079.59	1513826.77	2348068.27
L110	17.74'		N14° 27' 28.26"W		1513780.56	2348084.02	1513797.74	2348079.59
L111	31.54'		N16° 51' 28.78"W		1513750.38	2348093.17	1513780.56	2348084.02
L112	28.39'		N19° 43' 53.04"W		1513723.66	2348102.75	1513750.38	2348093.17
L113	24.57'		N16° 47' 06.07"W		1513700.13	2348109.85	1513723.66	2348102.75
L114	24.30'		N14° 17' 48.59"W		1513676.59	2348115.85	1513700.13	2348109.85
L115	24.41'		N11° 35' 12.98"W		1513652.67	2348120.75	1513676.59	2348115.85
L116	35.51'		N00° 59' 32.92"W		1513617.17	2348121.37	1513652.67	2348120.75

SURVEY CONTROL MONUMENTS
DATUM IS IN COLORADO STATE PLAN SOUTH ZONE, US SURVEY
FT WITH NAD88 VERTICAL DATUM
CP 100
NORTHING: 1513883.59
EASTING: 2348118.56
CP 101
NORTHING: 1513767.61
EASTING: 2348048.78

DITCH PIPE ALIGNMENT								
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA	START NORTHING	START EASTING	END NORTHING	END EASTING
L200	12.51'		S07° 05' 38.01"W		1514200.03	2348275.61	1514187.61	2348274.06
L204	8.68'		S47° 21' 28.48"W		1514159.65	2348267.69	1514153.77	2348261.31
L205	47.18'		S47° 03' 55.86"W		1514153.77	2348261.31	1514121.64	2348226.76
L206	59.56'		S33° 57' 51.73"W		1514121.64	2348226.76	1514072.24	2348193.49
L207	23.50'		S11° 02' 08.27"E		1514072.24	2348193.49	1514049.17	2348197.99
L208	42.17'		S11° 02' 08.27"E		1514049.17	2348197.99	1514007.78	2348206.06
L209	66.42'		S33° 59' 56.29"W		1514007.78	2348206.06	1513952.72	2348168.92
L210	2.25'		S64° 29' 53.14"W		1513952.72	2348168.92	1513951.75	2348166.89
L211	2.50'		S12° 18' 10.38"W		1513951.75	2348166.89	1513949.31	2348166.36
L212	14.10'		S13° 30' 36.80"W		1513949.31	2348166.36	1513935.60	2348163.06
L213	56.93'		S24° 39' 21.00"W		1513935.60	2348163.06	1513883.86	2348139.32
L214	31.20'		S47° 09' 21.00"W		1513883.86	2348139.32	1513862.65	2348116.44
L216	100.73'		S02° 09' 21.00"W		1513862.65	2348116.44	1513761.98	2348112.65
L217	15.04'		S24° 39' 21.00"W		1513761.98	2348112.65	1513748.32	2348106.38
L218	6.16'		S69° 39' 21.00"W		1513748.32	2348106.38	1513746.17	2348100.60
L219	4.62'		S37° 34' 02.36"W		1513746.17	2348100.60	1513742.51	2348097.78
L220	11.33'		S69° 39' 09.52"W		1513742.51	2348097.78	1513738.57	2348087.16



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DATE

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REVISION

RESPEC
720 S COLORADO BLVD
SUITE 410S
DENVER, CO 80246
PHONE (303) 757-3855

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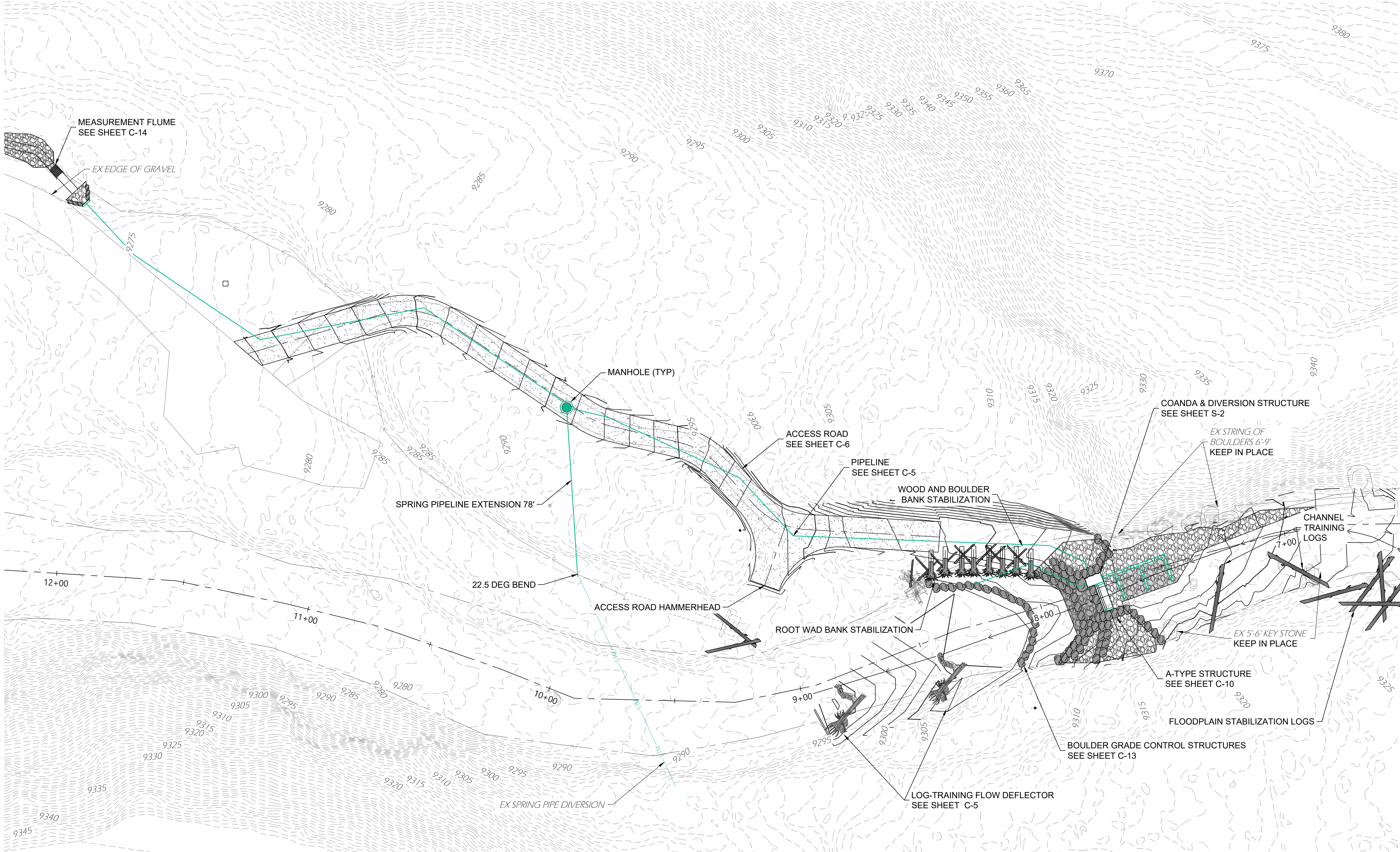
TOWN OF RIDGWAY
201 N RAILROAD ST
RIDGWAY, CO 81432
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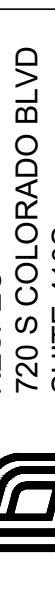
BEAVER CREEK
DIVERSION
RESTORATION

HORIZONTAL CONTROL
PLAN

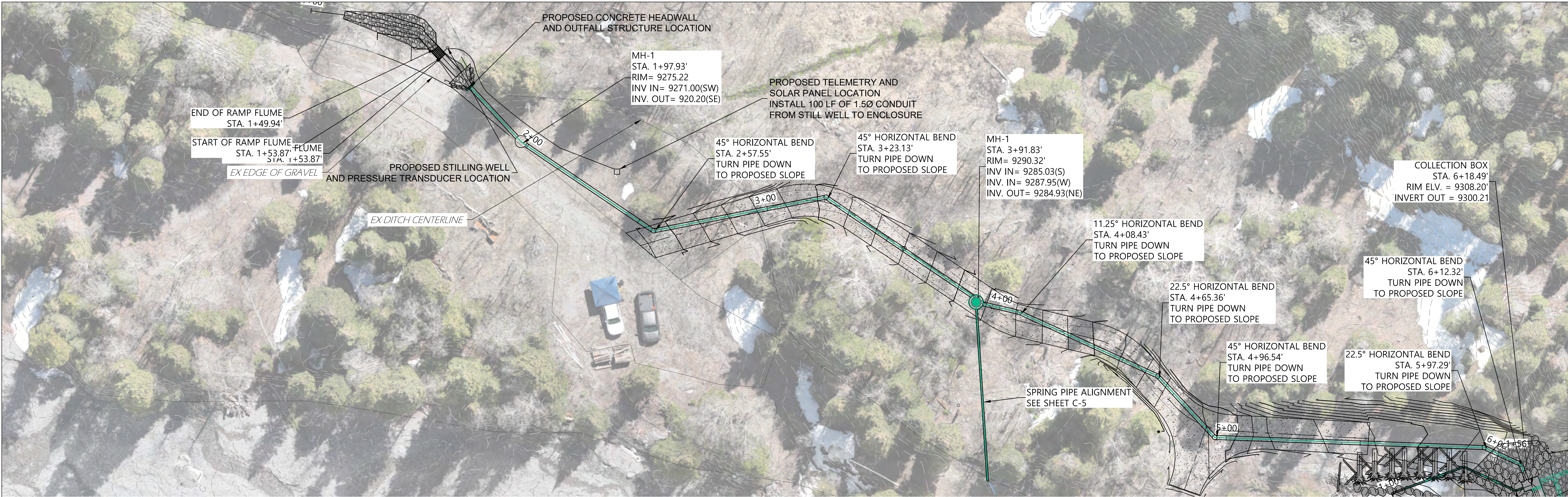
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C-2
SHEET 5

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\10825-1-S-SITE.DWG
LOT DATE: July 22, 2025 7:40 PM. BY: MICHELLE HOPKINS



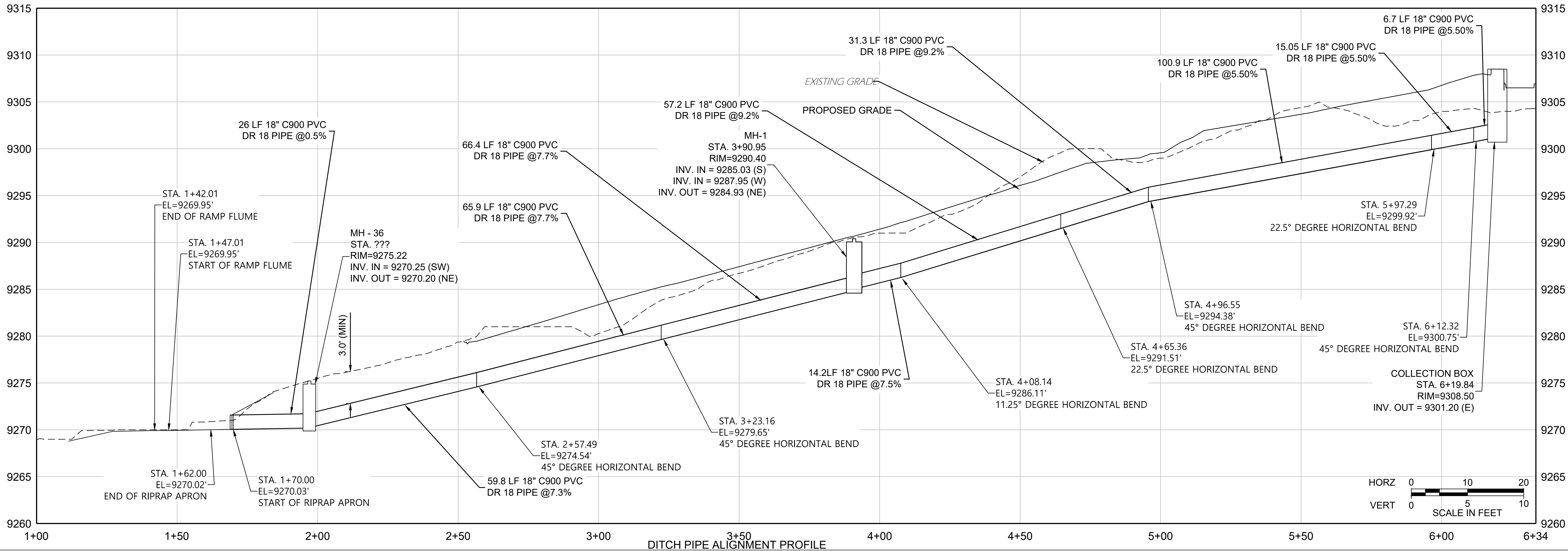
 BEAVER CREEK DIVISION RESTORATION	SITE PLAN	TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308	 Know what's below. Call before you dig.		STAMP	RESPEC 720 S COLORADO BLVD SUITE 410S DENVER, CO 80246 PHONE (303) 757-3655 DESIGNED DRAWN CHECKED DATE MA/HH MTT MA/HH 06/24/2025	REVISION
						MA/HH MTT MA/HH 06/24/2025 DESIGNED DRAWN CHECKED DATE MA/HH MTT MA/HH 06/24/2025	REVISION





DITCH PIPE ALIGNMENT PLAN

DITCH PIPE ALIGNMENT PROFILE
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 6'



DITCH PIPE ALIGNMENT PROFILE

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-PIPELINE P&P.DWG
PLOT DATE: JULY 22, 2025 7:18 PM BY: MICHELLE HOPKINS

DESIGNED				DRAWN				CHECKED				DATE			
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REVISION	

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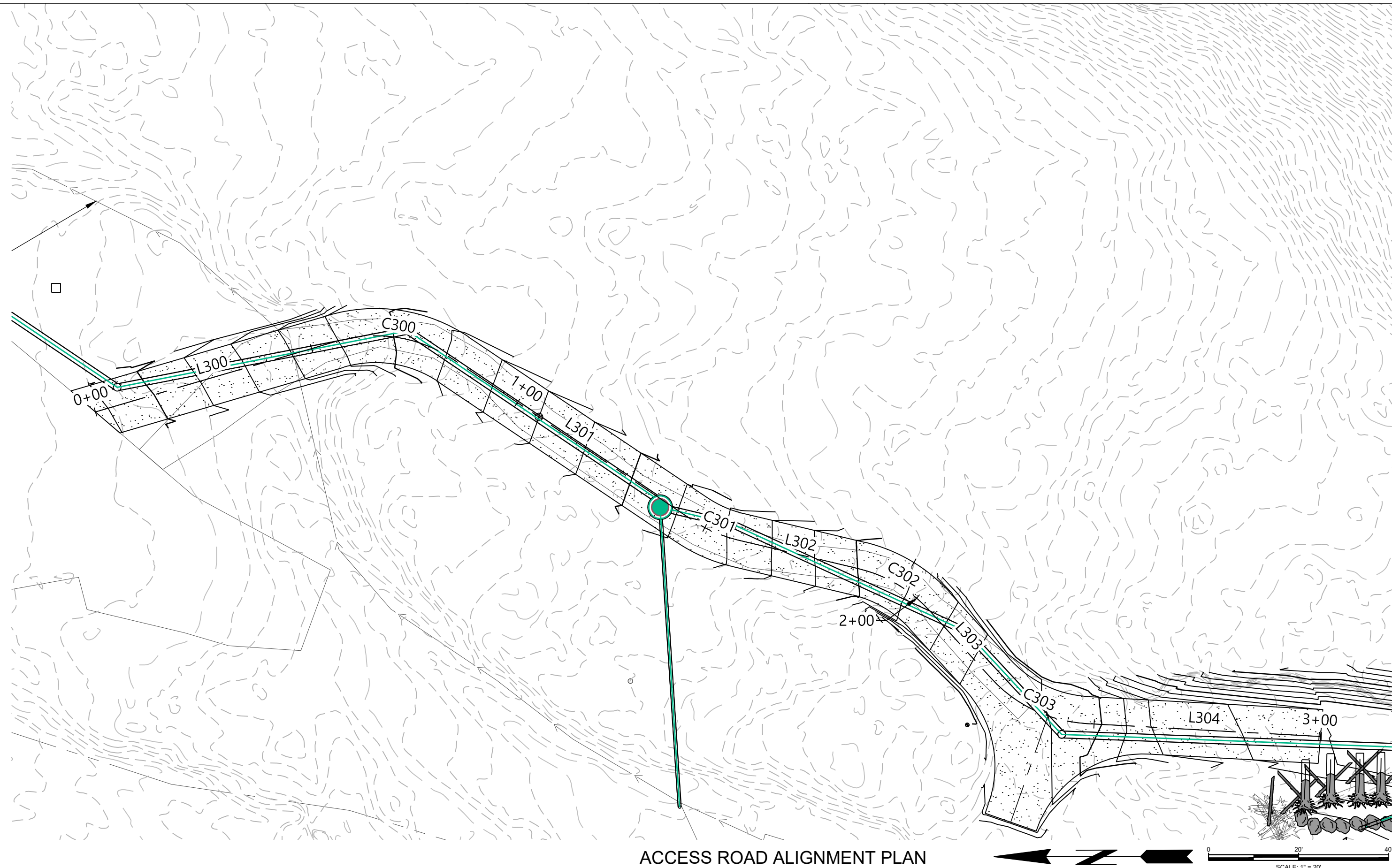
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RIDGWAY, CO 81432
(970) 626-5308

BEAVER CREEK
DIVERSION
RESTORATION

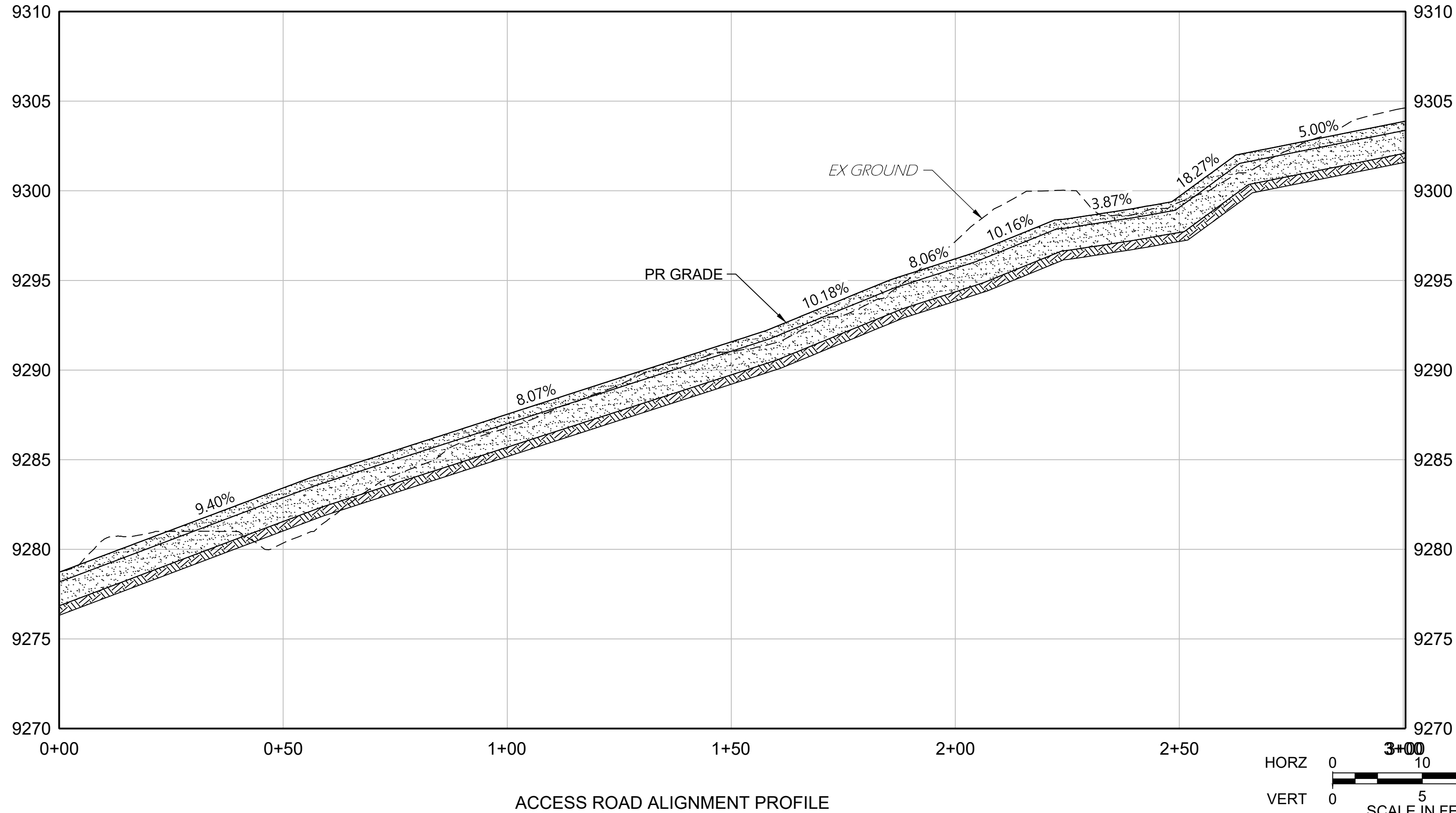
PIPELINE PLAN &
PROFILE

DRAWING NUMBER:
C-5
SHEET 8

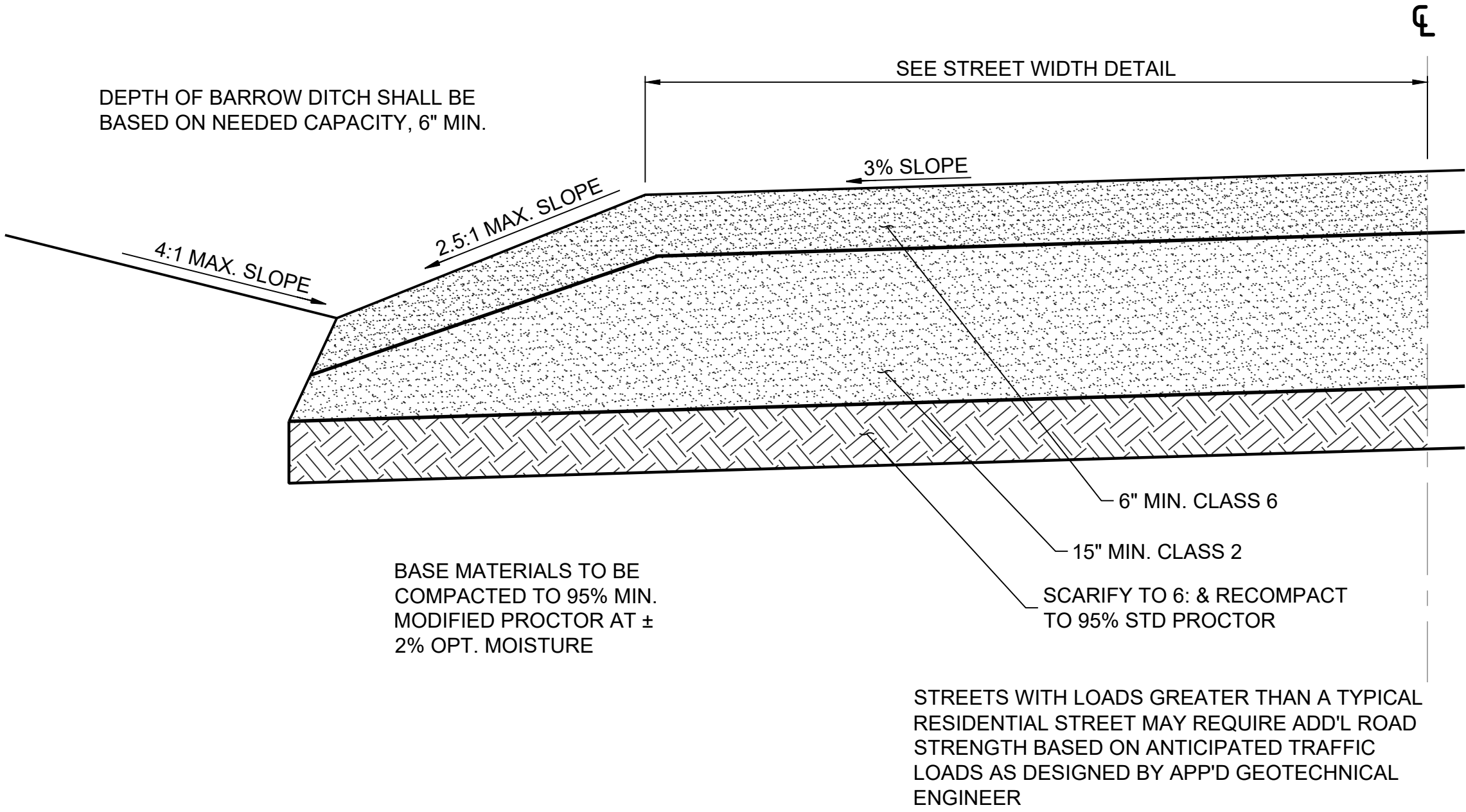
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PLOT DATE: JULY 22, 2025 7:18 PM BY: MICHELLE HOPKINS



ACCESS ROAD ALIGNMENT								
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA	START NORTHING	START EASTING	END NORTHING	END EASTING
L300	55.67'		S16° 20' 39.22"E		1514077.07	2348188.04	1514023.65	2348203.71
C300	27.20'	31.00'	S08° 47' 37.56"W	50.28°	1514023.65	2348203.71	1513997.62	2348199.68
L301	63.82'		S33° 55' 54.35"W		1513997.62	2348199.68	1513944.67	2348164.06
C301	11.12'	31.00'	S23° 39' 27.99"W	20.55°	1513944.67	2348164.06	1513934.54	2348159.62
L302	27.59'		S13° 23' 01.62"W		1513934.54	2348159.62	1513907.70	2348153.23
C302	18.59'	31.00'	S30° 34' 02.77"W	34.37°	1513907.70	2348153.23	1513891.93	2348143.92
L303	20.20'		S47° 45' 03.92"W		1513891.93	2348143.92	1513878.34	2348128.97
C303	24.12'	31.00'	S25° 27' 25.50"W	44.59°	1513878.34	2348128.97	1513857.11	2348118.86
L304	52.17'		S03° 09' 47.09"W		1513857.11	2348118.86	1513805.01	2348115.98



DEPTH OF BARROW DITCH SHALL BE BASED ON NEEDED CAPACITY, 6" MIN.



BASE MATERIALS TO BE COMPACTED TO 95% MIN. MODIFIED PROCTOR AT ± 2% OPT. MOISTURE

STREETS WITH LOADS GREATER THAN A TYPICAL RESIDENTIAL STREET MAY REQUIRE ADD'L ROAD STRENGTH BASED ON ANTICIPATED TRAFFIC LOADS AS DESIGNED BY APP'D GEOTECHNICAL ENGINEER

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DATE

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06/24/2025

RESPEC
720 S COLORADO BLVD
SUITE 410S
DENVER, CO 80246
PHONE (303) 757-3855

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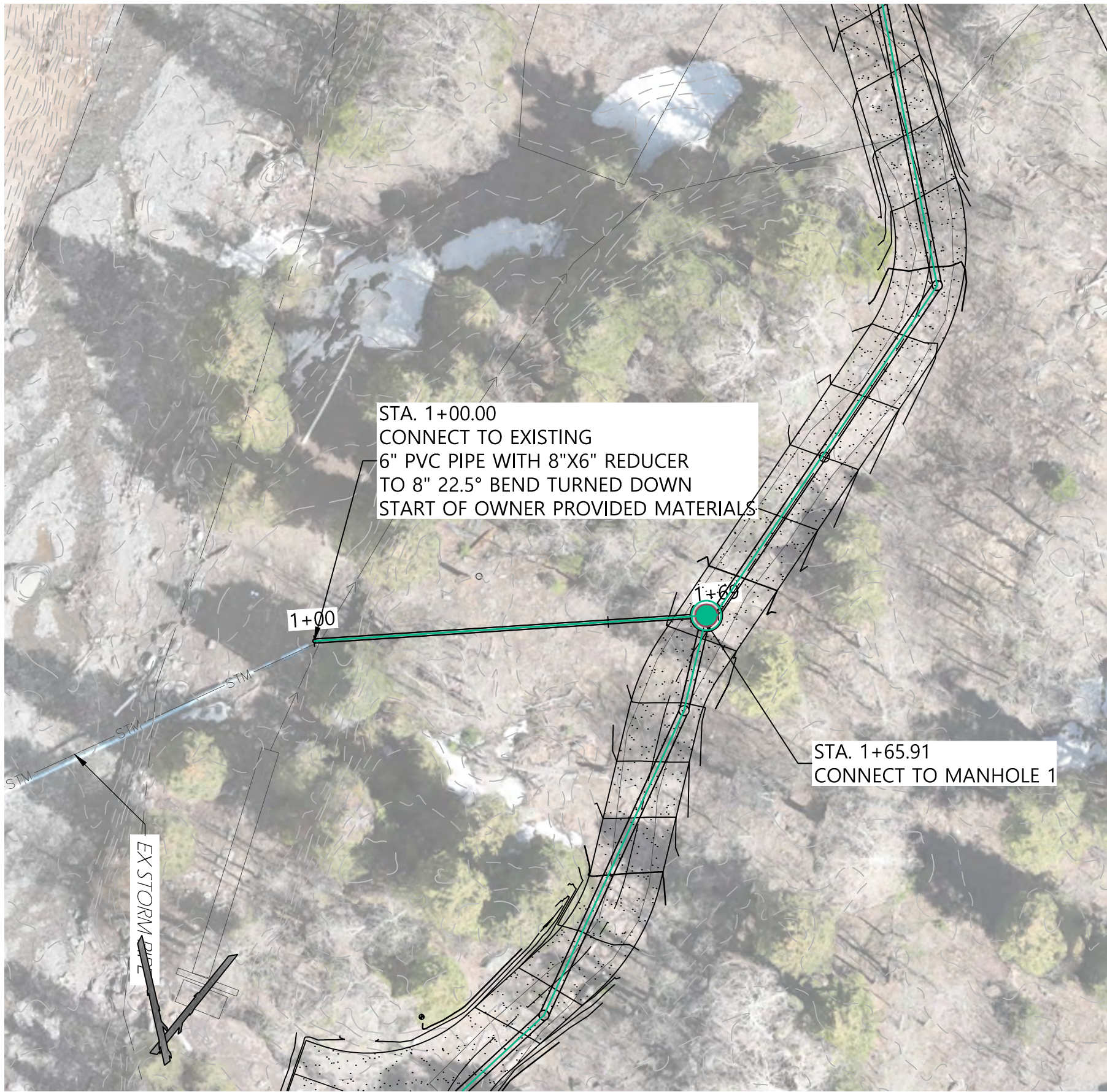
BEAVER CREEK
DIVERSION
RESTORATION

ACCESS ROAD PLAN &
PROFILE

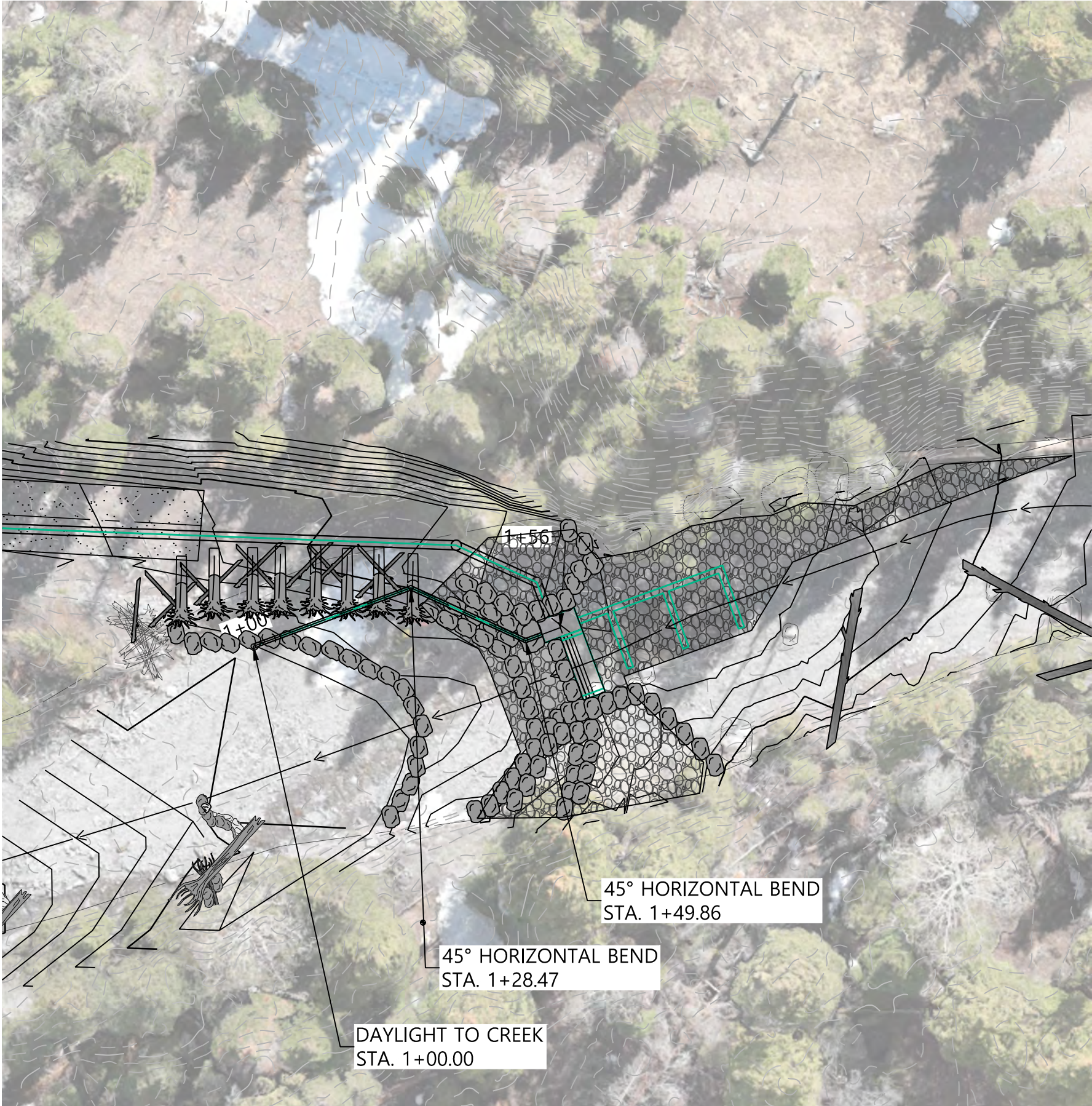
DRAWING NUMBER:
C-6
SHEET 9

REVISION

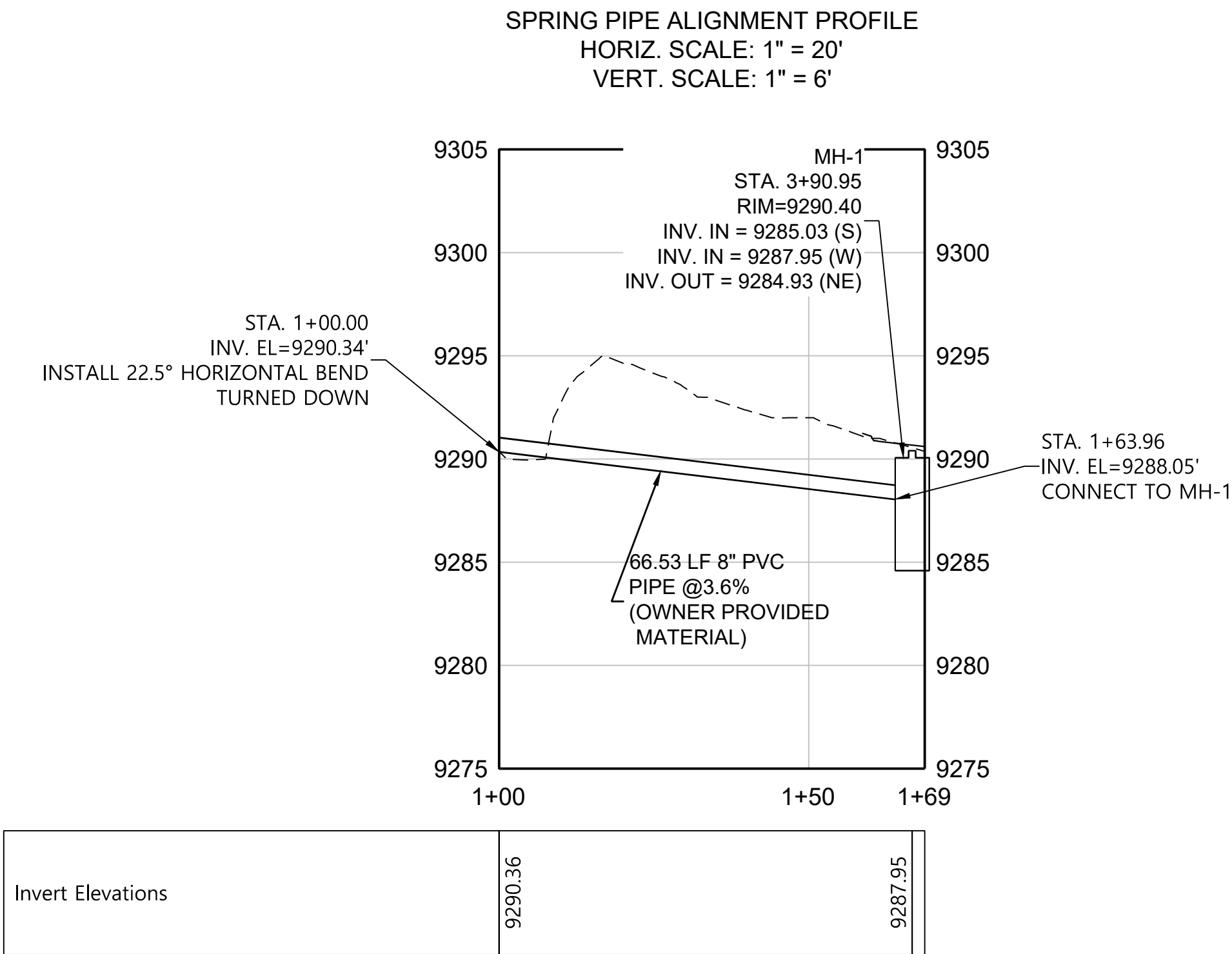
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PLOT DATE: July 22, 2025 7:18 PM BY: MICHELLE HOPKINS



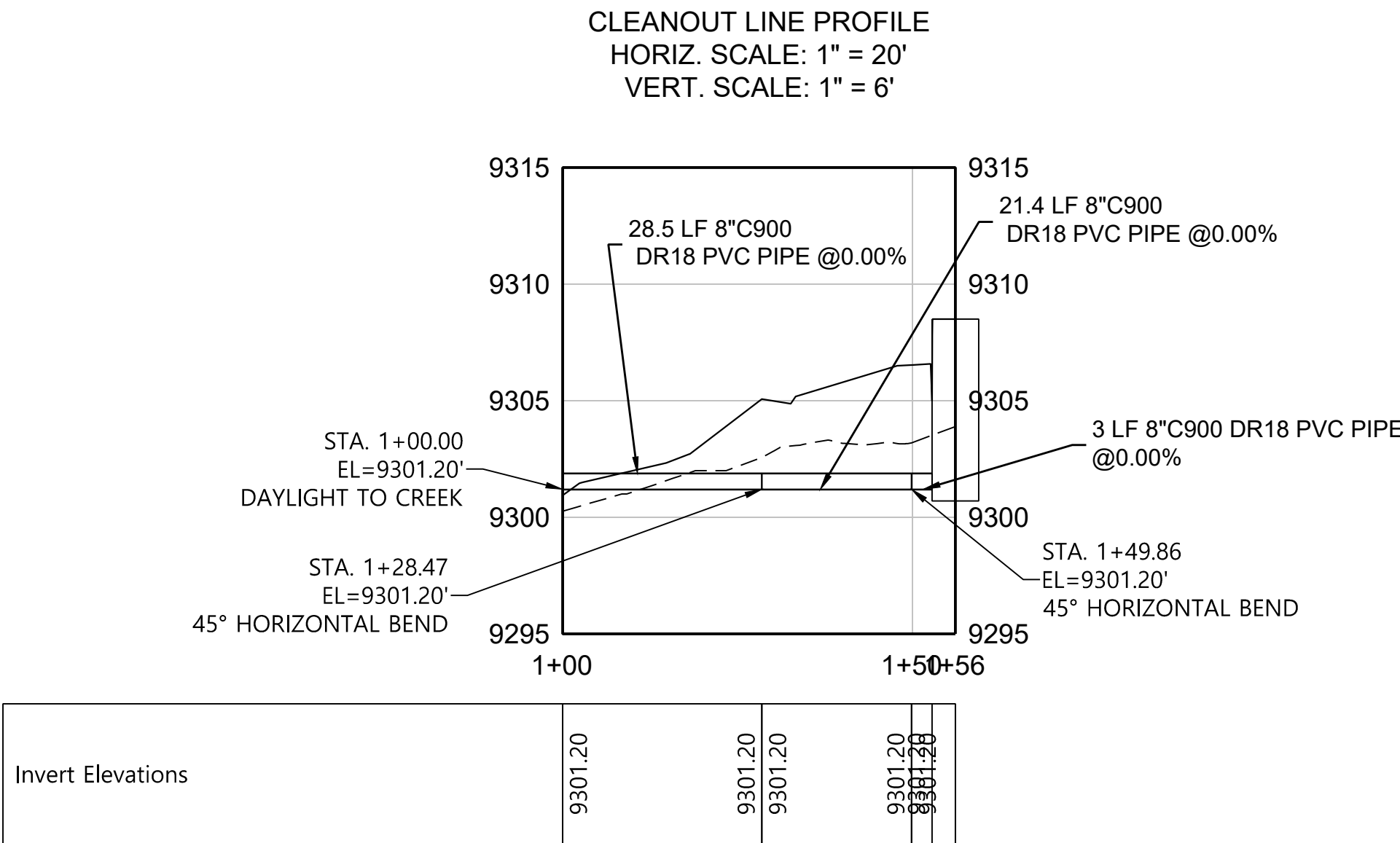
SPRING PIPE ALIGNMENT PLAN



CLEANOUT LINE PLAN



SPRING PIPE ALIGNMENT PROFILE



REVISION			

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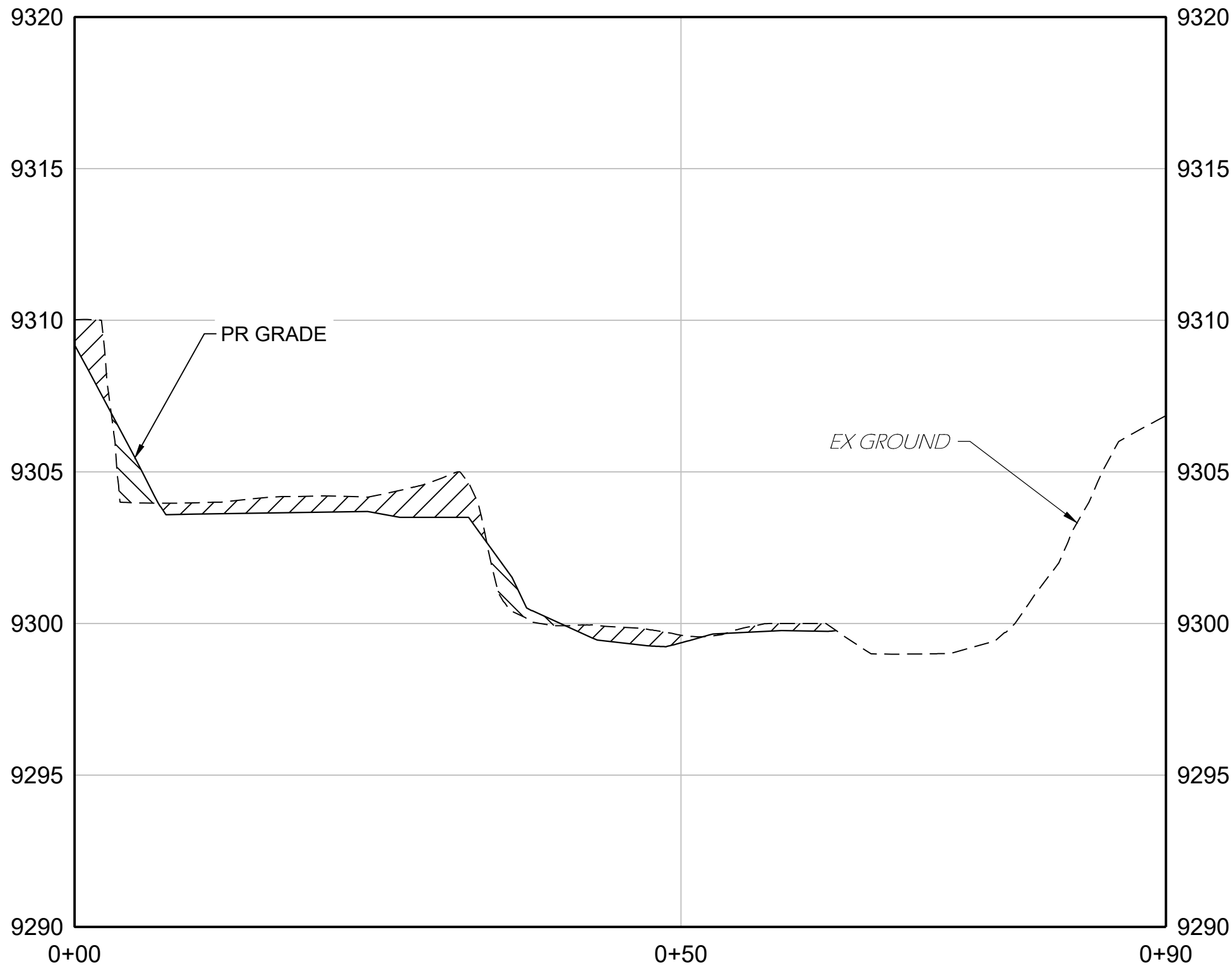
BEAVER CREEK
DIVERSION
RESTORATION

SPRING PIPELINE PLAN
& PROFILE

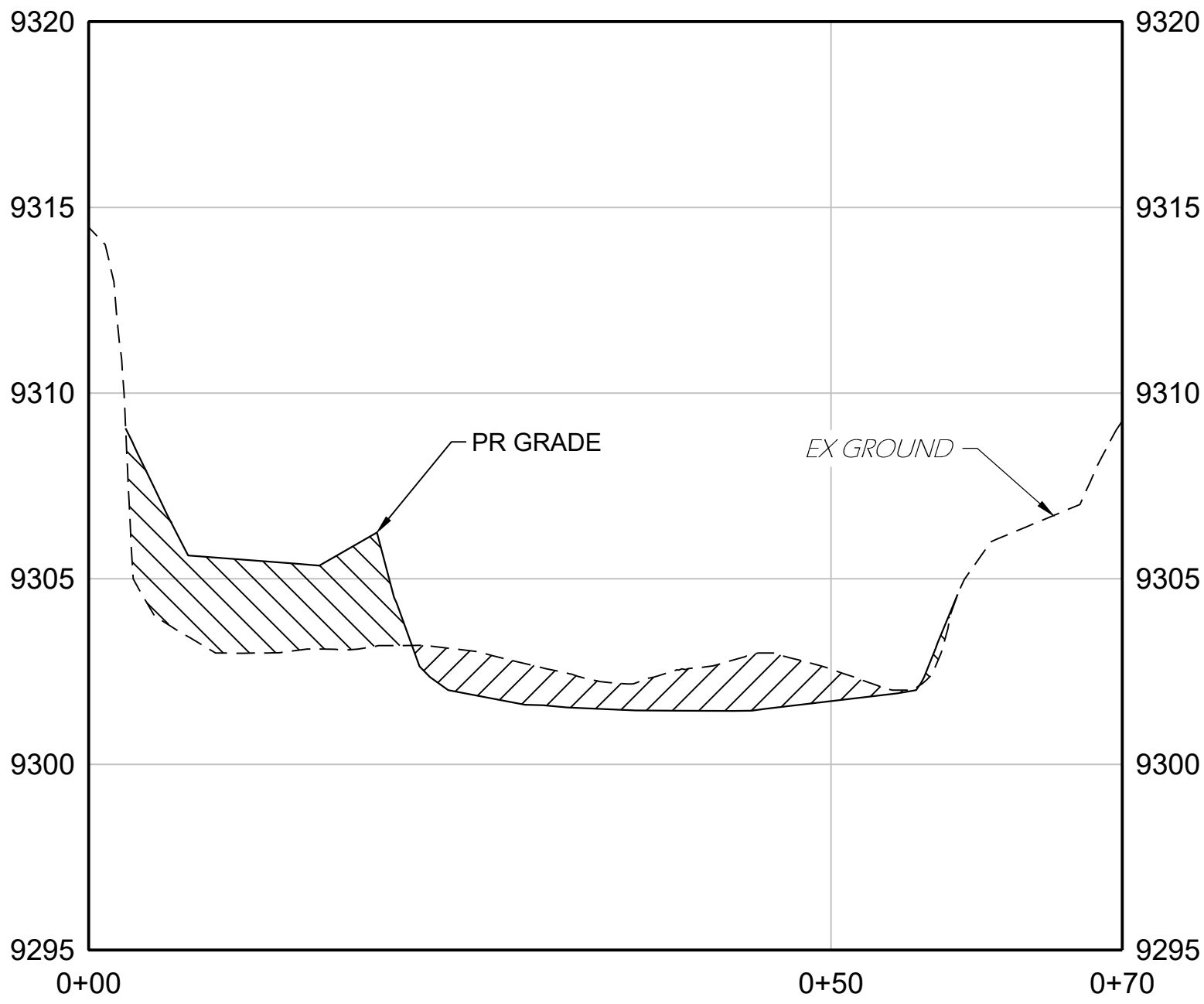
DRAWING NUMBER:
C-7
SHEET 10

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-STREAM.DWG
PLOT DATE: July 22, 2025 7:19 PM BY: MICHELLE HOPKINS

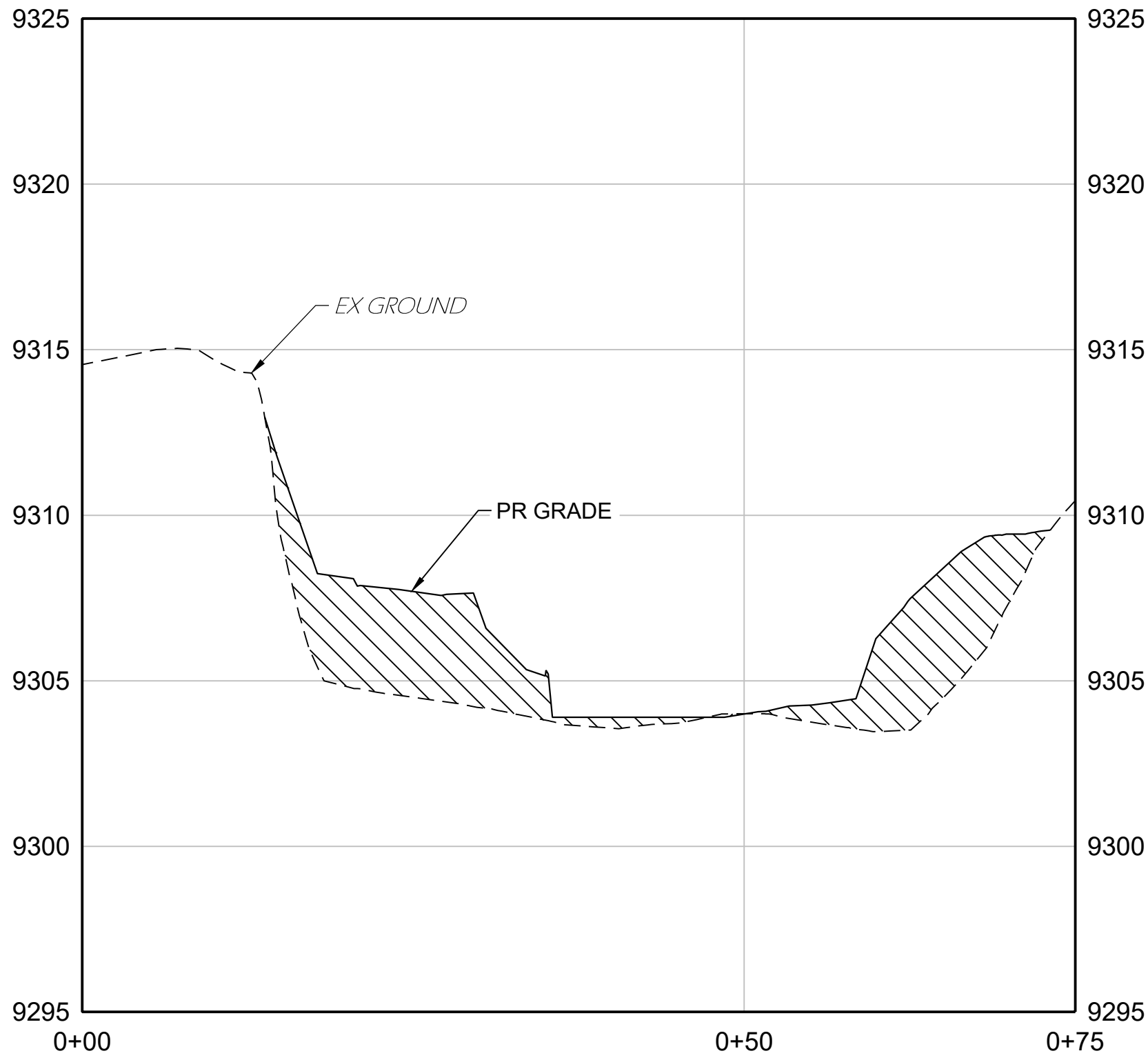
SECTION 1
ALIGNMENT - MAIN CHANNEL STATION 8+28.59
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=4'



SECTION 2
ALIGNMENT - MAIN CHANNEL STATION 7+93.89
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=4'

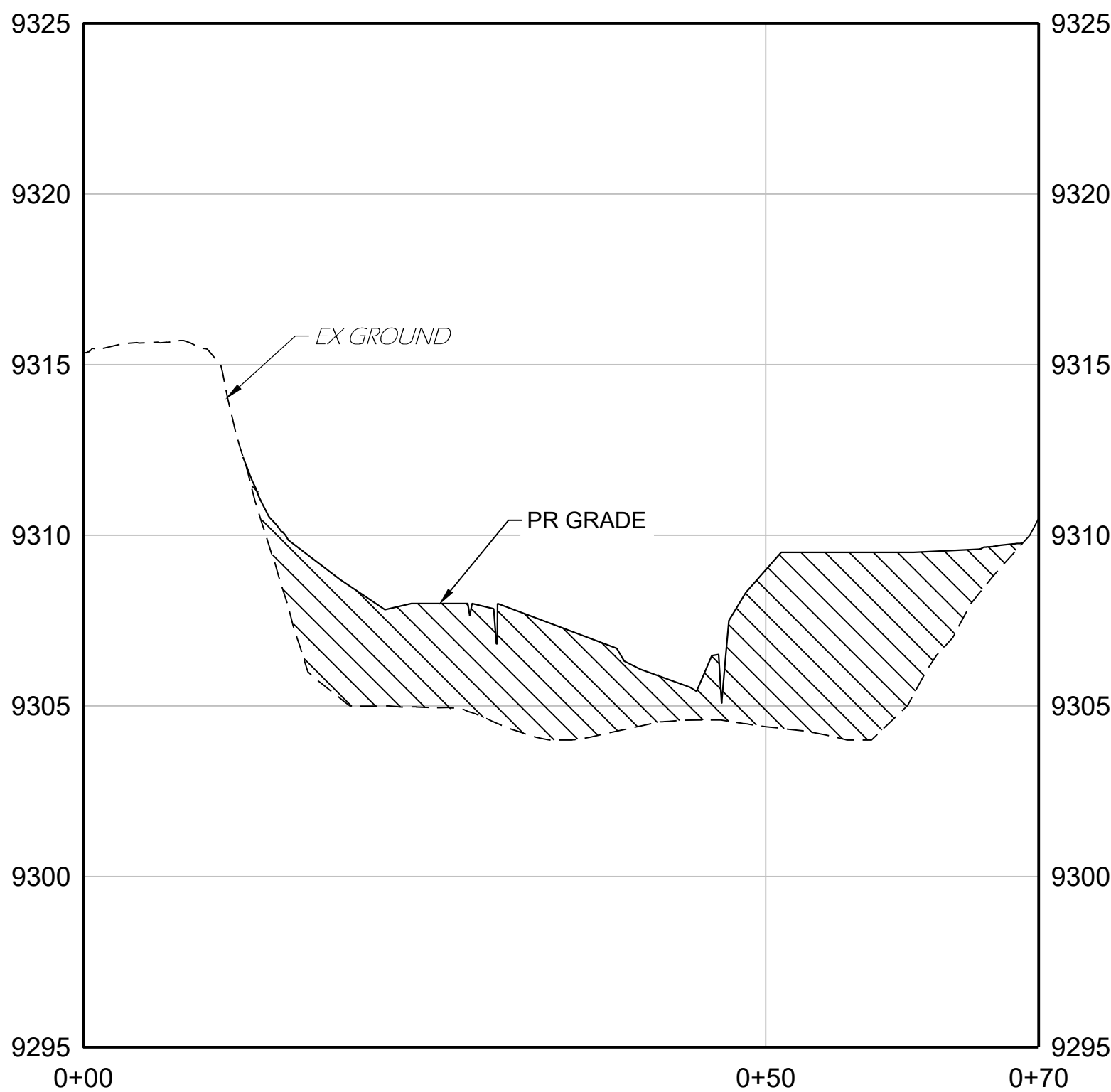


SECTION 3
ALIGNMENT - MAIN CHANNEL STATION 7+68.06
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=4'

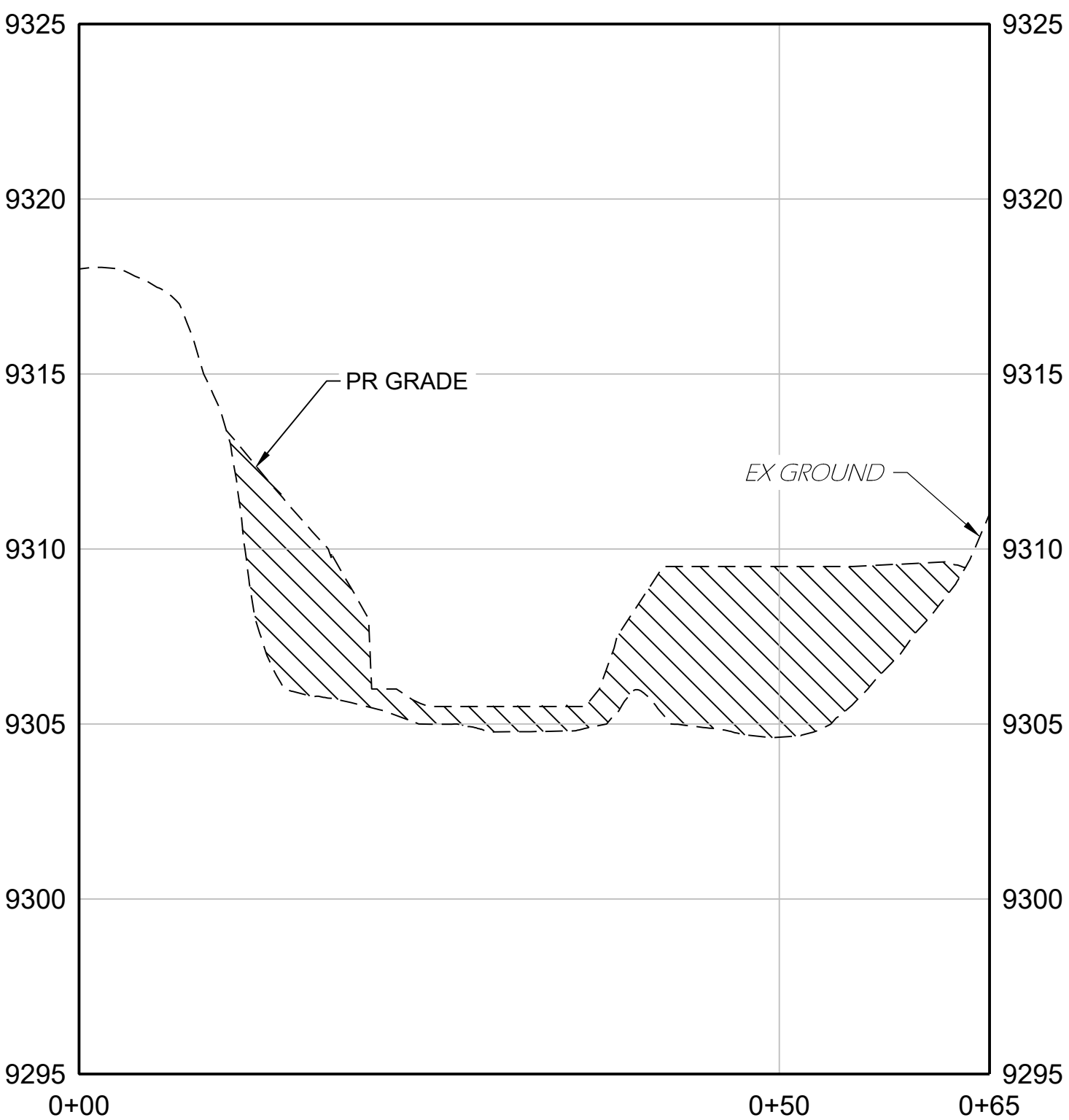


LEGEND
SECTION CUT
SECTION FILL

SECTION 4
ALIGNMENT - MAIN CHANNEL STATION 7+72.74
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=4'



SECTION 5
ALIGNMENT - MAIN CHANNEL STATION 7+68.07
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=4'



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STAMP			
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BEAVER CREEK DIVERSION RESTORATION			
STREAM SECTIONS			
DRAWING NUMBER: C-9 SHEET 12			

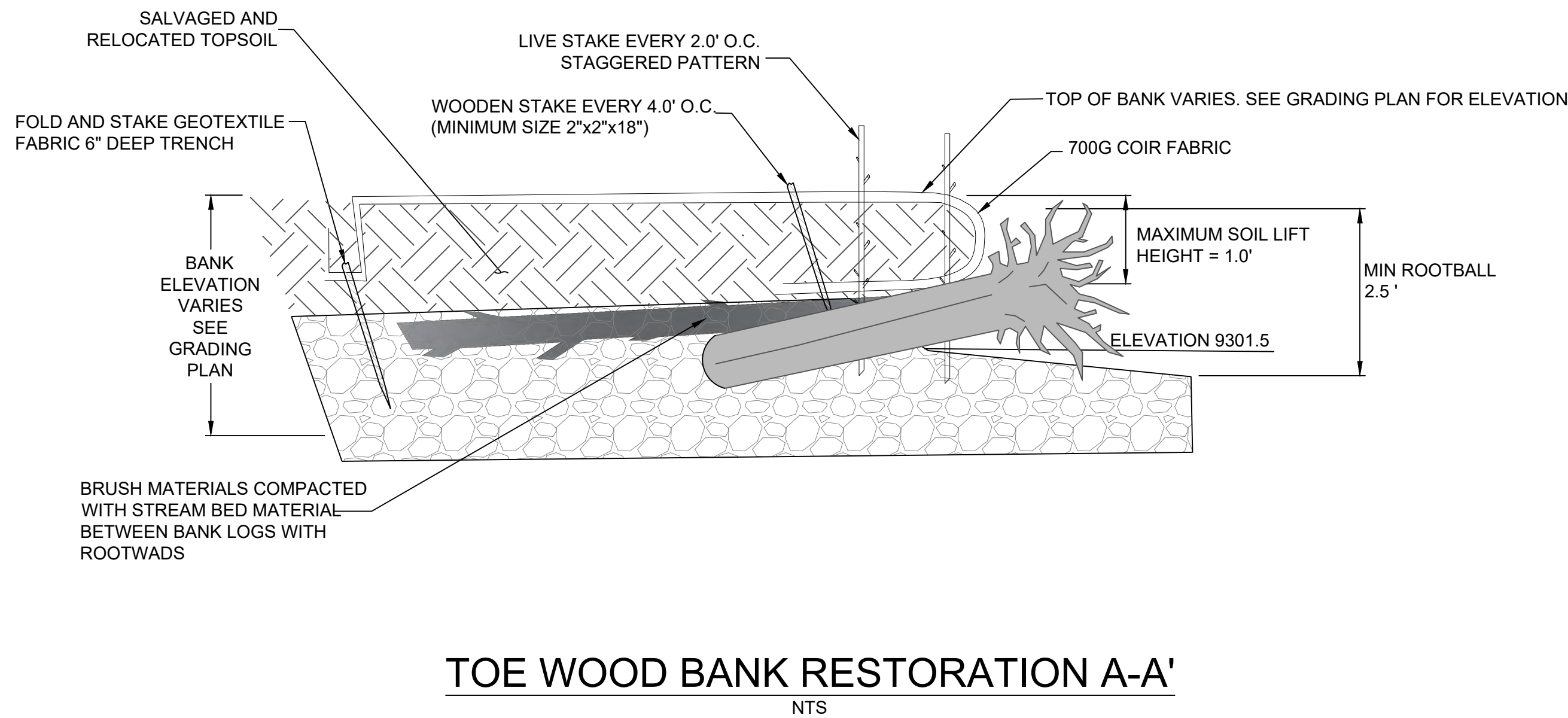
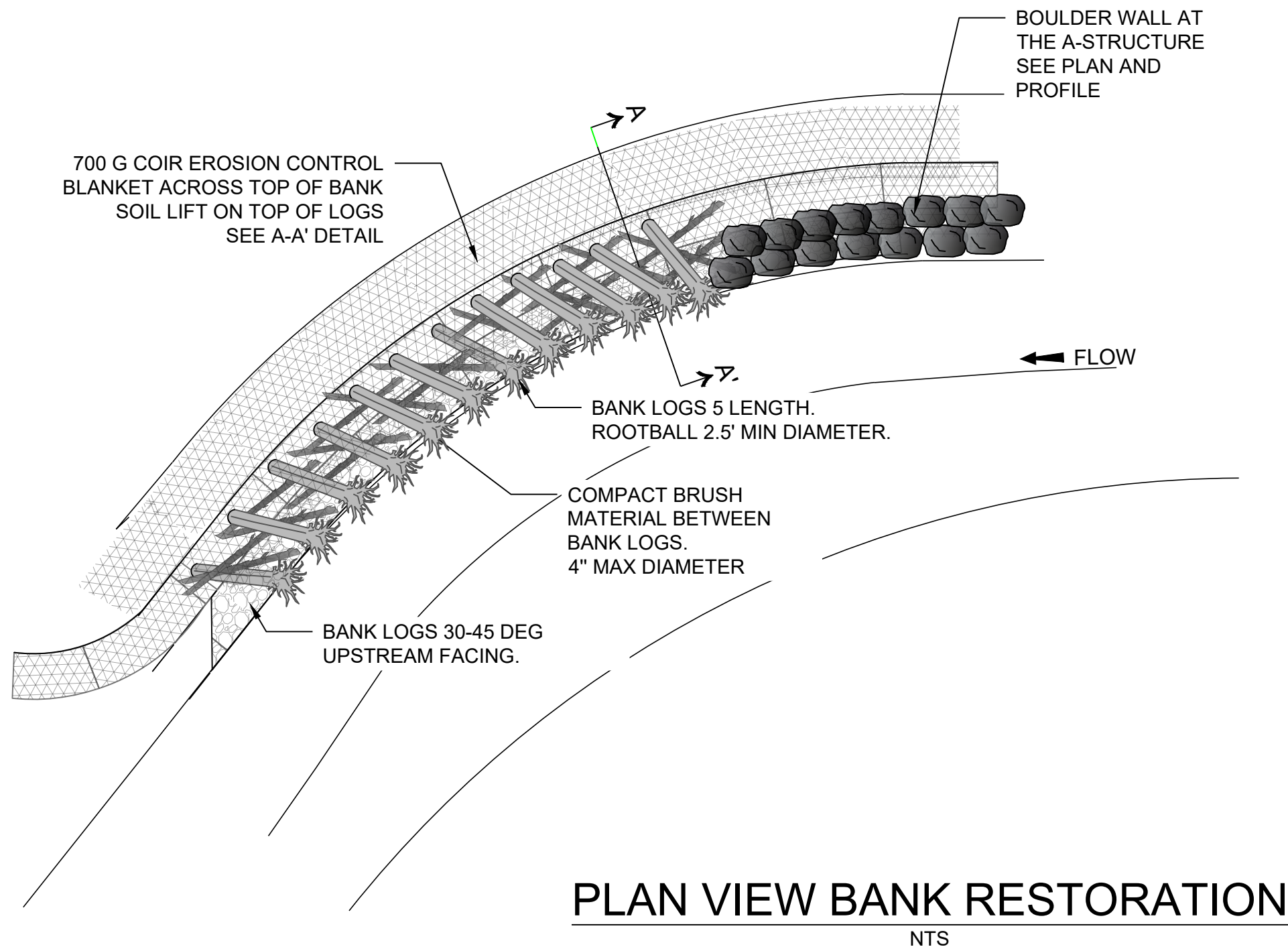


1. ALL BOULDERS SHALL BE 36" B-AXIS AND 2 TON BOULDERS.
2. GAPS BETWEEN BOULDERS SHALL BE MINIMIZED BY ROTATING AND PLACEMENT SUCH THAT VOIDS ARE LESS THAN 2" .
3. VOIDS SHALL BE CHINKED WITH NATIVE ALLUVIUM. CHINKING SHALL BE DONE BY WASH SIEVING BETWEEN BOULDERS AND COMPACTED WITH A TAMPER BAR.
4. NO EXCAVATION SHALL OCCUR THAT WOULD COMPROMIZE THE RIGHT BANK AND "STRING OF BOULDERS".
5. FINAL BOULDER PLACEMENT TO BE APPROVED BY THE ENGINEER.
6. ALL BOULDER GRADE CONTROL STRUCTURES SHALL SLOPE 5% DOWN THE VANE OF THE ARM TOWARD THE THALWEG.
7. CHANNEL AND BANK GRADING ARE SHOWN ON THE PLANS.
8. BEDDING MATERIALS SHALL BE ARMOR MIX. SEE GRADATION TABLE.
9. BEDDING SHALL BE MIN. 2' THICK AND BE LEVELED AS MUCH AS POSSIBLE TO PLACE GRADE CONTROL BOULDERS TO FINISH GRADE.
10. BOULDERS FOR STREAM STABILITY STRUCTURES REQUIRE CAREFUL SELECTION AND ONSITE HARVESTING.
11. ARMOR MIX AND STREAMBED MIX FOR BACKFILLING AND CHINKING STRUCTURES WILL REQUIRE SORTING AND SIEVING MATERIALS ON SITE.

DRAWING NUMBER:
C-10
SHEET 13

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-STREAM-DETAILS1.DWG
PLOT DATE: July 22, 2025 7:19 PM, BY: MICHELLE HOPKINS

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-STREAM-DETAILS1.DWG
PLOT DATE: July 22, 2025 7:19 PM BY: MICHELLE HOPKINS



LIVE STAKES NOTES

PREPARATION

1. LIVE STAKE CUTTINGS SHALL BE GEYER WILLOW OR DOGWOOD SOURCED OFFSITE.

2. STAKES SHALL BE 4' FOOT IN LENGTH AND 0.5" TO 1" INCHES IN DIAMETER.

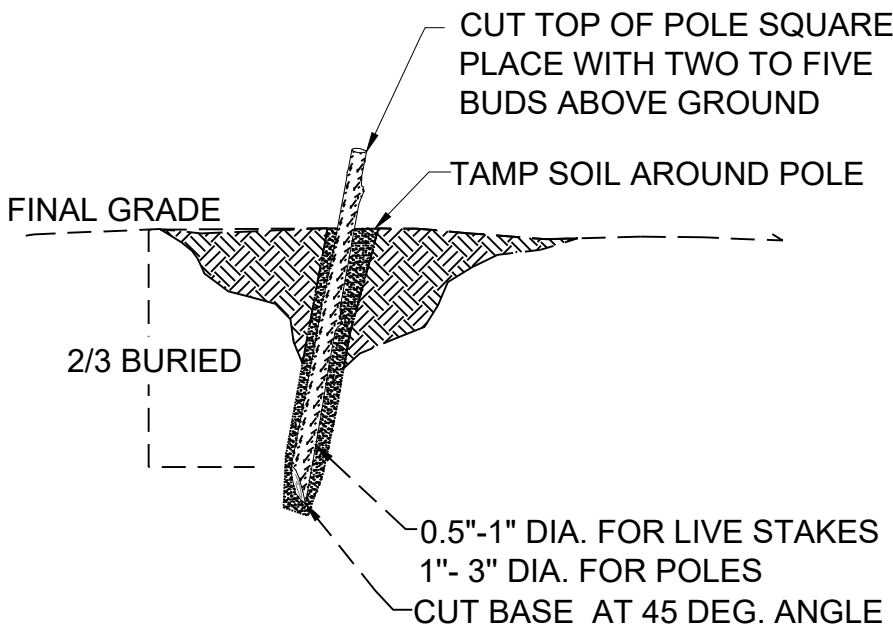
INSTALLATION

1. CUTTINGS SHALL SOAK FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION AND NO MORE THAN 7 DAYS.

2. CUTTINGS SHALL BE INSTALLED TO THE DESIGN DEPTH OF THE CHANNEL BOTTOM, WITH 2/3 OF ITS LENGTH IN CONTACT WITH NATIVE SOIL, AND 1/3 ABOVE GROUND. USE OF A PILOT BAR MAY HELP WITH INSTALLATION.

3. LIVE STAKES SHALL BE INSTALLED BETWEEN THE LOG STRUCTURES AND ALONG THE BANKLINE

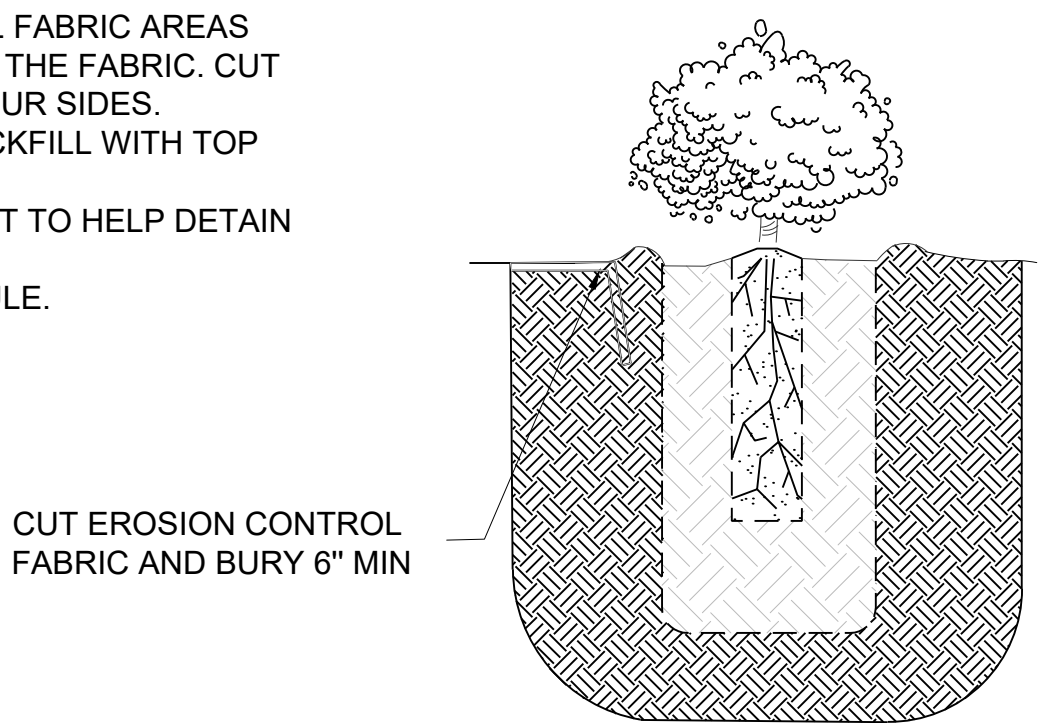
4. SPECIAL CARE SHALL BE TAKEN TO NOT DAMAGE THE BUDS, SPLIT POLE ENDS, OR STRIP THE BARK DURING INSTALLATION.



CONTAINER PLANTING

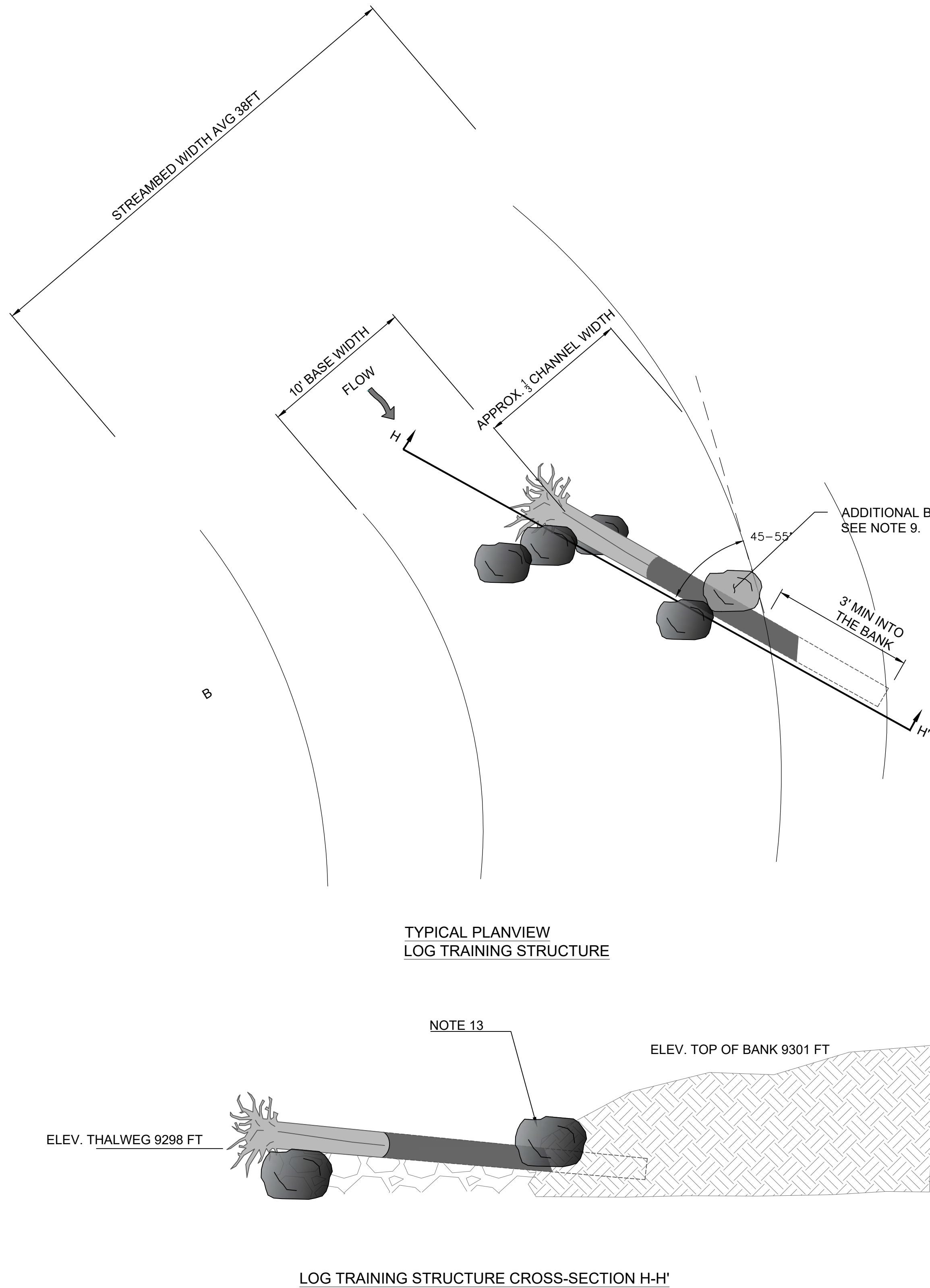
N.T.S.

1. PLANTINGS WITHIN THE EROSION CONTROL FABRIC AREAS WILL REQUIRE CUTTING AND SECURING OF THE FABRIC. CUT FABRIC IN AN X-PATTERN AND BURY ALL FOUR SIDES.
2. LOOSEN SOIL ONLY IN PLANTING HOLE. BACKFILL WITH TOP SOIL.
3. FORM A CONTINUOUS BASIN AROUND PLANT TO HELP DETAIN WATER.
4. NATIVE SPECIES ONLY. SEE PLANT SCHEDULE.



REVISION			
DESIGNED	MAMH	MTT	
DRAWN			
CHECKED	MAMH		
DATE	06/24/2025		
RESPEC			
720 S COLORADO BLVD			
SUITE 410S			
DENVER, CO 80246			
PHONE (303) 757-3855			
STAMP			
811			
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RIDGWAY, CO 81432			
(970) 626-5308			
BEAVER CREEK DIVERSION RESTORATION			
BANK STABILIZATION DETAILS			
DRAWING NUMBER:			
C-11			
SHEET 14			

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-STREAM-DETAILS1.DWG
PLOT DATE: July 22, 2025 7:19 PM BY: MICHELLE HOPKINS



WOOD STRUCTURE DETAILS FLOW TRAINING STRUCTURES

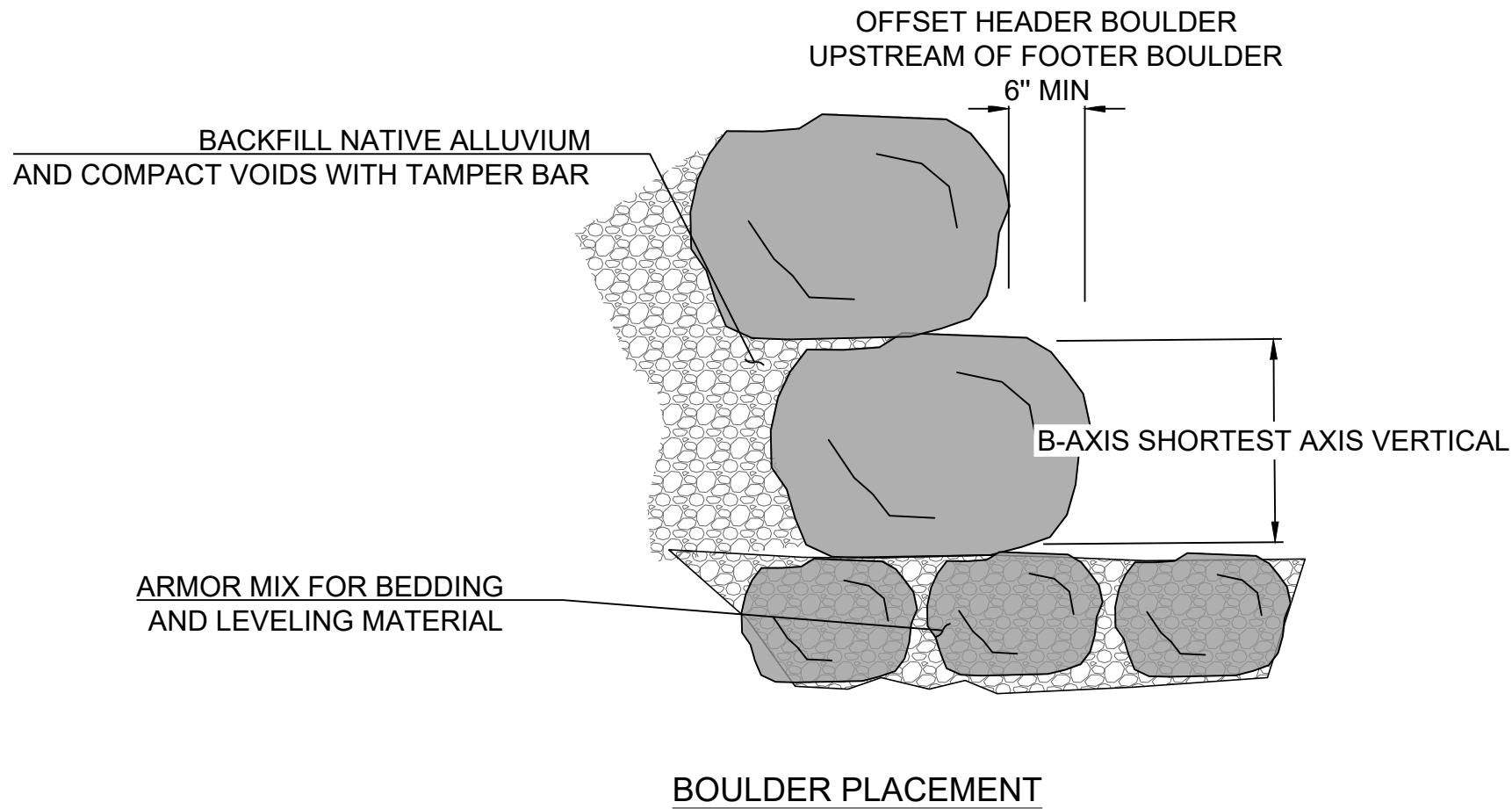
NTS

NOTES:

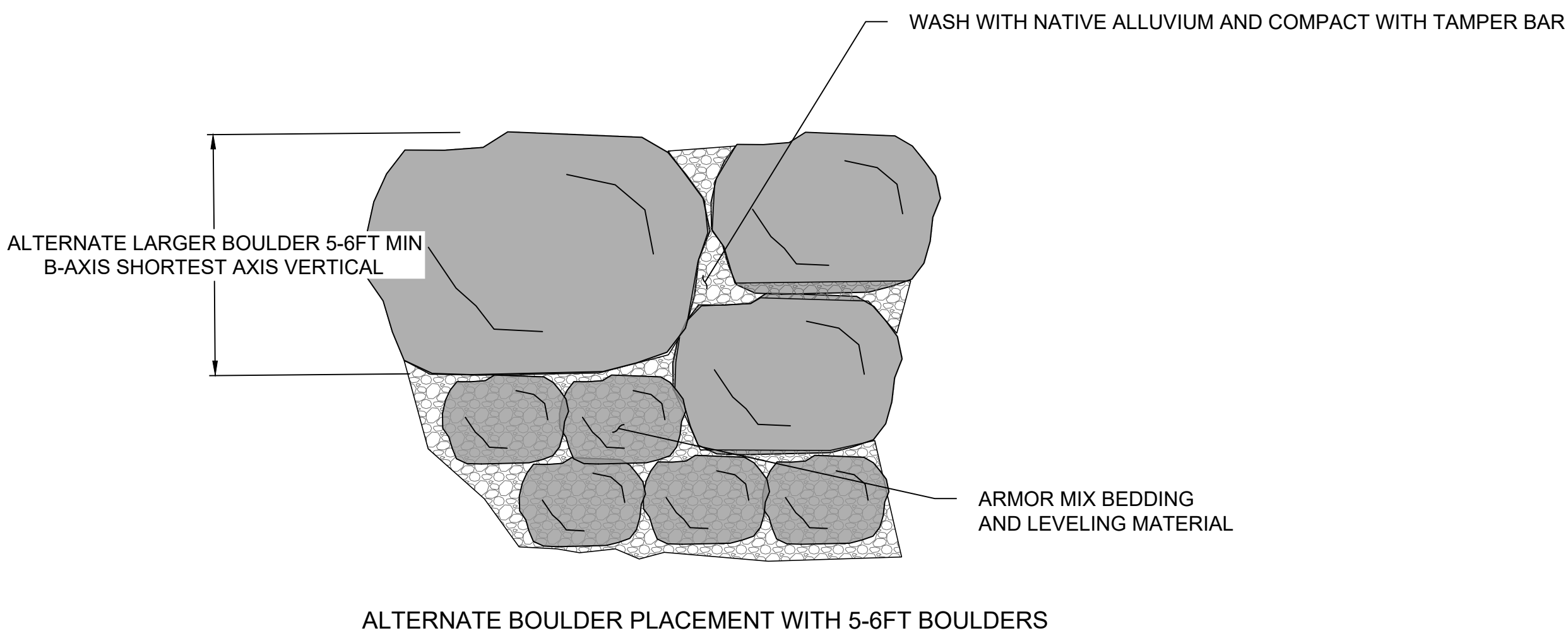
1. SINGLE LOG STRUCTURES ARE INTENDED TO MAINTAIN THE EXISTING COARSE BAR AND ROUTE BASE FLOW TO THE COANDA DIVERSION STRUCTURE.
2. WOOD STRUCTURES SHALL BE PLACED AS SHOWN ON THE PLANVIEW WITH FINAL PLACEMENT APPROVED BY THE ENGINEER.
3. SINGLE LOG STRUCTURES SHALL BE MIN 20' L AND 18" DIAMETER.
4. SINGLE LOG STRUCTURES SHALL HAVE ONE ANCHOR BOULDER PLACED ON TOP OF THE STEM AT THE BANK LINE.
5. SINGLE LOG STRUCTUES SHALL HAVE TWO BALLAST BOULDERS. ONE ON THE UPSTREAM SIDE AND ONE ON THE DOWNSTREAM SIDE.
6. ALL BALLAST AND ANCHOR BOULDERS SHALL BE 2' MIN. B-AXIS.
7. ALL BOULDERS SHALL BE PLACED WITH SHORTEST AXIS VERTICAL (B-AXIS).
8. WOOD FOR LOG-TRAINING STRUCTURES SHALL BE 15'Lx18"D WITH 3' DIAMETER ROOTBALL.
9. WOOD SMALLER THAN SPECIFIED SIZE MAY BE ACCEPTABLE; HOWEVER ALL SIZES SMALLER THAN 18" D AND 3' D ROOTBALL WILL REQUIRE BALLAST AND ANCHOR BOULDERS TO BE PLACED TO STABILIZE THE STRUCTURE AT NO ADDITIONAL COST TO THE PROJECT.
10. WOOD FOR LOG-TRAINING STRUCTURES SHALL PROTRUDE $\sim \frac{1}{3}$ OF CHANNEL WIDTH.
11. BOULDERS PLACED TO FORM THE "HOOK" SHALL BE 2' MIN DIAMETER WITH MAXIMUM DROP OF 1FT.
12. WOOD FOR FLOODPLAIN ROUGHNESS STRUCTURES SHALL BE 10'-15' LENGTHS AND 1FT-1.5FT DIAMETER BURIED TO HALF THEIR GIRTH INTO NATIVE GROUND AS SHOWN ON THE PLANS WITH FINAL PLACEMENT APPROVED BY THE ENGINEER.
13. WOOD FOR STRUCTURES SHALL BE HARVESTED ON SITE AS MARKED BY THE ENGINEER OR CLIENT REPRESENTATIVE.
14. WOOD HARVESTED ON SITE SHALL MEET ALL SPECIAL PROVISIONS FOR REMOVAL AND SITE RESTORATION REQUIRED BY THE OWNER IN THE TEMPORARY ACCESS AND SITE USE AGREEMENTS FOR CONSTRUCTION.
15. WOOD HARVESTED ONSITE OUTSIDE OF GRADING AND DISTURBANCE AREAS MUST BE HARVESTED BY HAND EQUIPMENT, SUCH AS CHAINSAWS AND HAND GRAPPLER.
16. DOWNSTREAM FACING LOGS SHALL BE SET AT 5° SLOPE INTO THE STREAM BED. UPSTREAM FACING LOGS SHALL BE SET AT -5% SLOPE INTO THE STREAM BED.

DESIGNED DRAWN CHECKED DATE	MAI/MH MTT MAI/MH 06/24/2025	REVISION
RESPEC 720 S COLORADO BLVD SUITE 410S DENVER, CO 80246 PHONE (303) 757-3855		
STAMP		
	TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308	
	BEAVER CREEK DIVERSION RESTORATION	
	LOG-TRAINING STRUCTURE DETAILS	
DRAWING NUMBER:	C-12	
	SHEET 15	

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD2 SHEETS\70825-1-S-STREAM-DETAILS 1.DWG
LOT DATE: July 22, 2025 7:19 PM. BY: MICHELLE HOPKINS

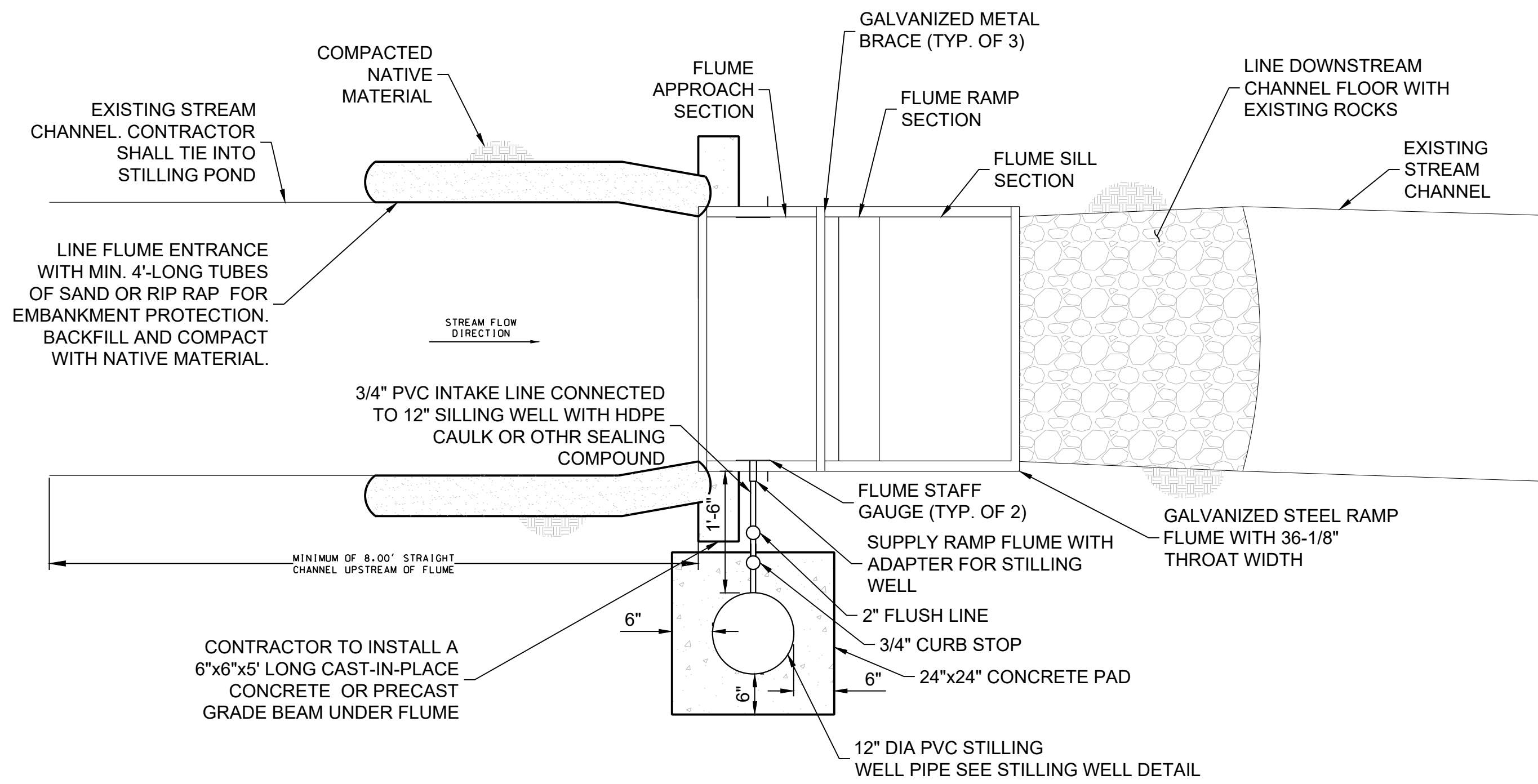


- NOTES:**
1. ALL ROCK MATERIALS SHALL BE HARVESTED ON SITE.
 2. SORT, STOCKPILE AND SIEVING OF MATERIALS WILL BE REQUIRED TO MEET SPECIFIED BOULDER SIZES AND BEDDING MATERIAL GRADATION.
 3. BOULDERS FOR STRUCTURES SHALL BE A MINIMUM OF 3' SIZE.
 4. BOULDERS SHALL BE PLACED WITH THE SHORTED AXIS VERTICAL (B-AXIS).
 5. BOULDER SHALL BE BACKFILLED WITH NATIVE ALLUVIUM AND WASH SIEVED IN 8" LIFTS TO FILL VOID SPACES.
 6. MAXIMUM VOID SPACE BETWEEN BOULDERS IS 3" WHICH SHALL BE WASHED SIEVED WITH NATIVE ALLUVIUM.
 7. THE ARMOR MIX MAY BE USED TO SUBSTITUTE THE ROW OF 3' FOOTER BOULDERS AS LONG AS THE ARMOR LAYER IS INSTALLED TO THE DEPTH SPECIFIED ON THE PLANS AND PROFILE.
 8. ARMOR MIX SHALL BE INSTALLED AND COMPACTED IN 2' LIFTS.
 9. BEDDING SHALL FORM A EVEN FLAT GRADE TO STACK BOULDERS.
 10. SUBSEQUENT ROWS OF BOULDERS SHALL HAVE INTIMATE CONTACT WITH FOOTER BOULDERS. WASH SIEVE THE VOIDS AND COMPACT WITH TAMPER BAR.

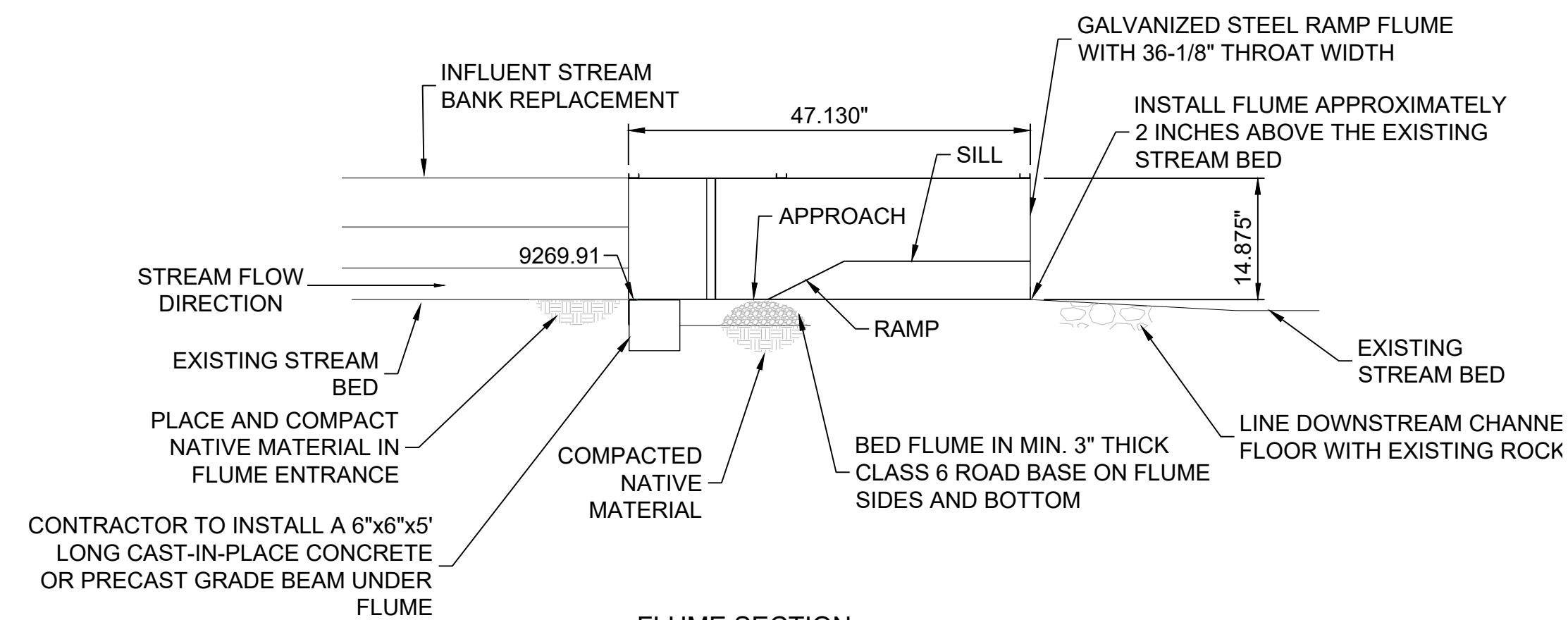


Boulder Placement Details	Beaver Creek Division Restoration	Town of Ridgway 201 N Railroad St Ridgway, CO 81432 (970) 626-5308	 Know what's below. Call before you dig.	DESIGNED	MAMH
				DRAWN	NTT
				CHECKED	MAMH
				DATE	08/24/2025
				REVISION	

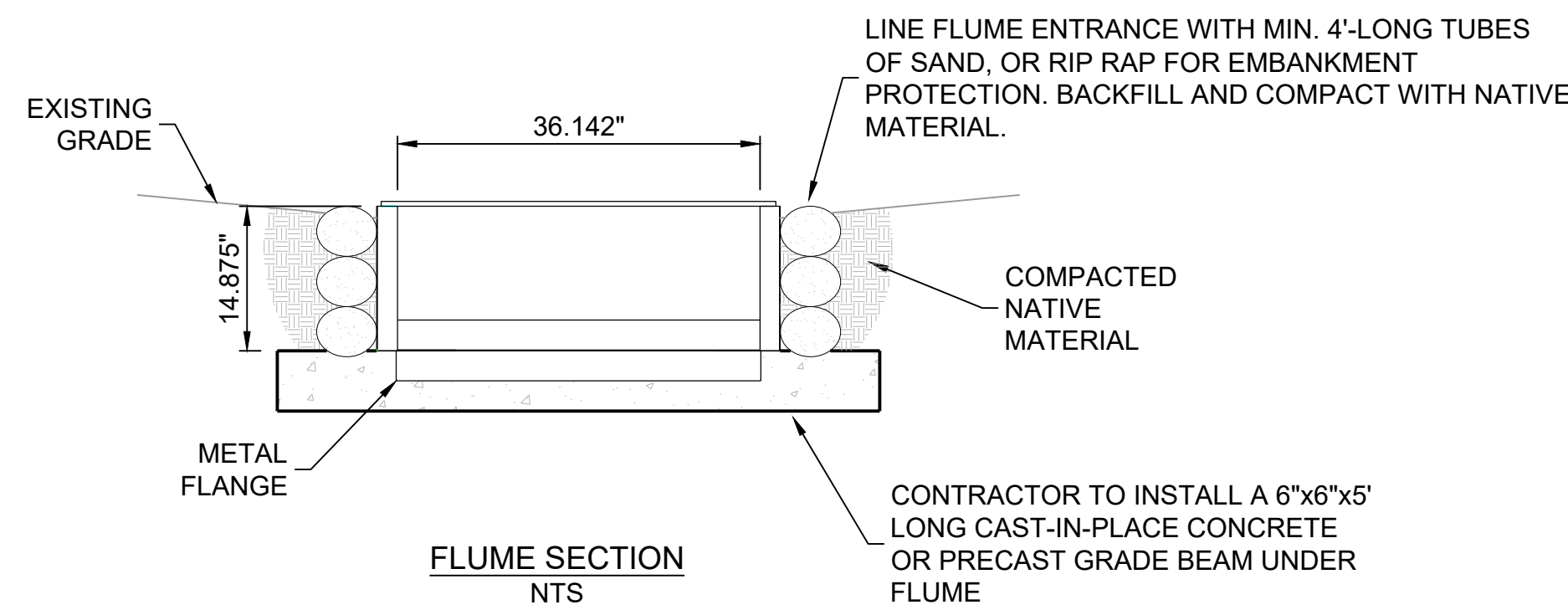
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PLOT DATE: July 22, 2025 8:55 PM BY: MICHELLE HOPKINS



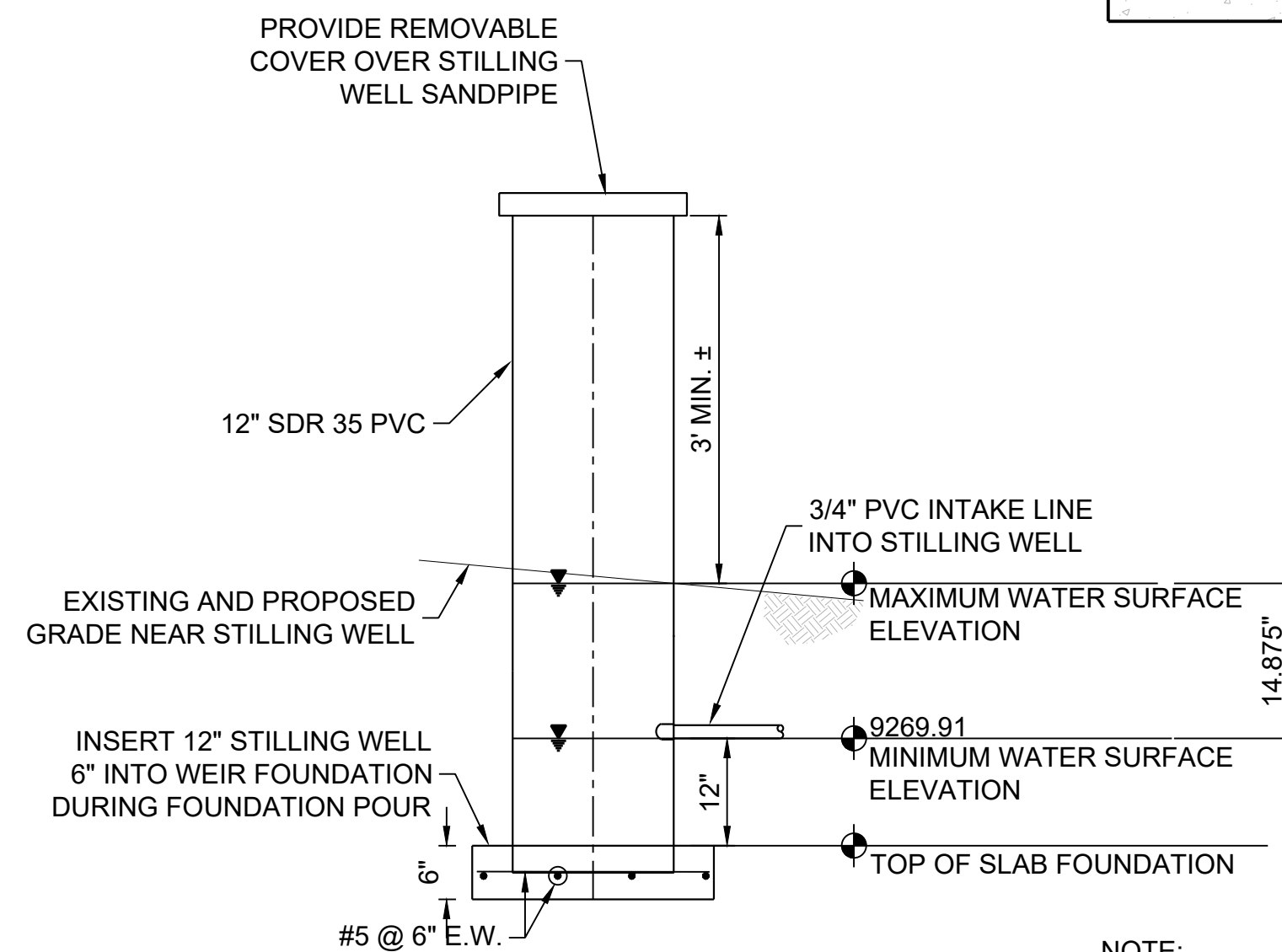
FLUME PLAN
NTS



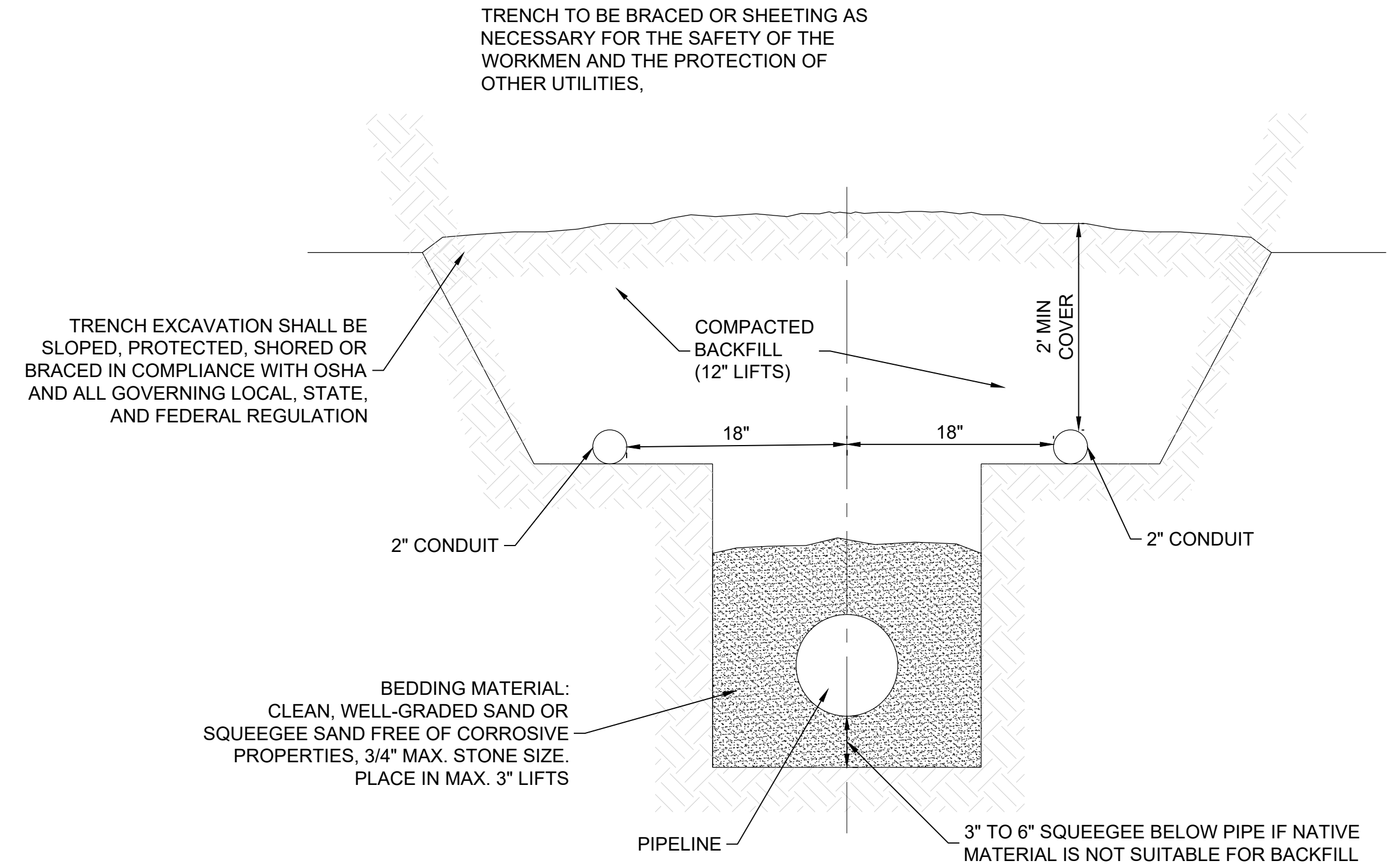
FLUME SECTION
NTS



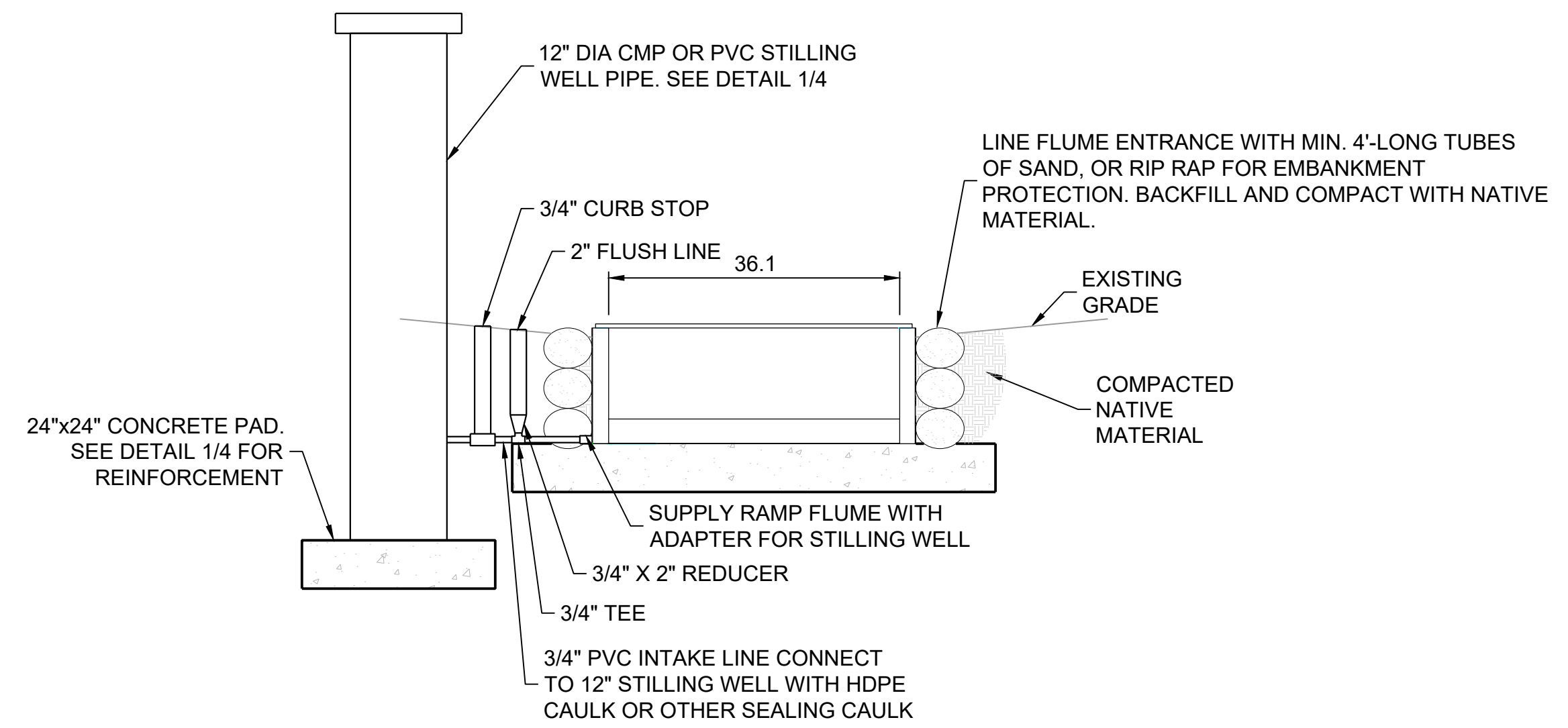
FLUME SECTION
NTS



STILL WELL DETAIL
NTS



TRENCH SECTION SHARED W/ CONDUIT
NTS



FLUME SECTION
NTS

NOTE:
INSTALL ALL DATA LOGGER EQUIPMENT PER
MANUFACTURER'S INSTALLATION
INFORMATION.

REVISION			
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DRAWN	MTT		
CHECKED	MAH		
DATE	06/24/2025		



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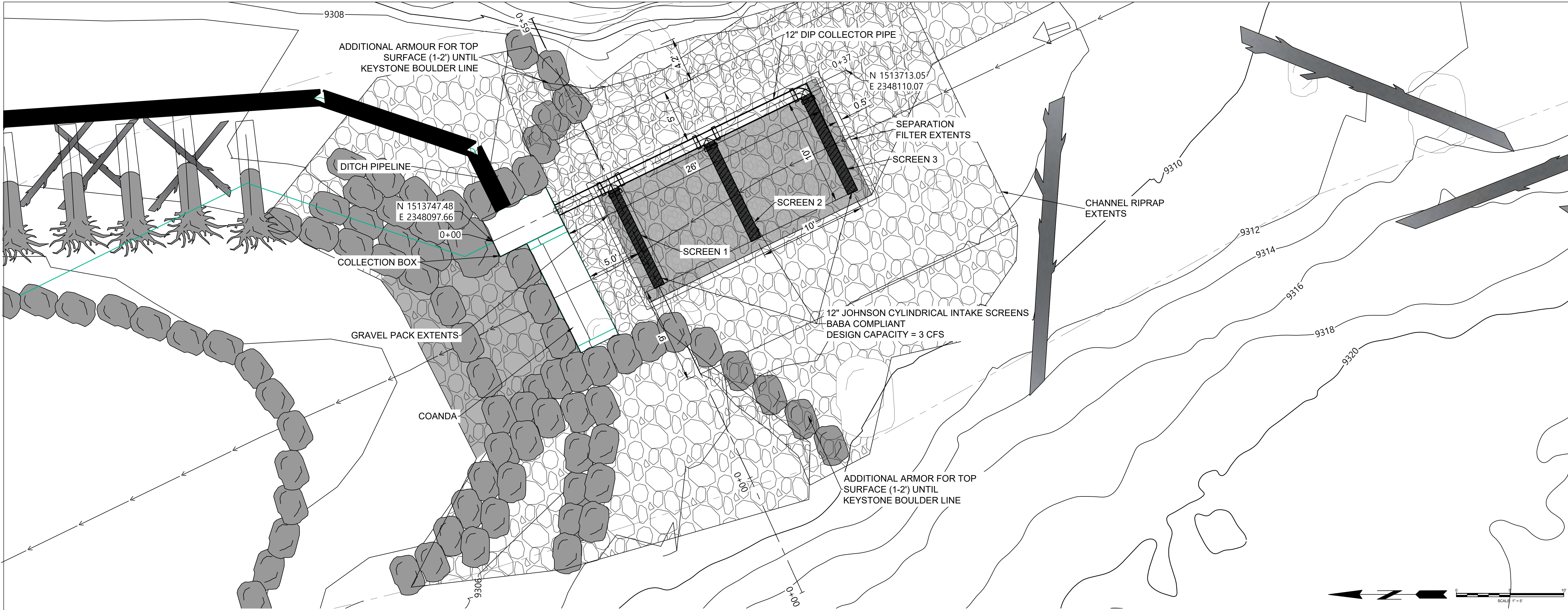
TOWN OF RIDGWAY
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RIDGWAY, CO 81432
(970) 626-5308

BEAVER CREEK
DIVERSION
RESTORATION

MEASUREMENT FLUME

DRAWING NUMBER:
C-14
SHEET 17

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1 S-INFILTRATION GALLERY P&P.DWG
PLOT DATE: JULY 22, 2025 7:20 PM BY: MICHELLE HOPKINS



COLLECTOR PIPE PLAN

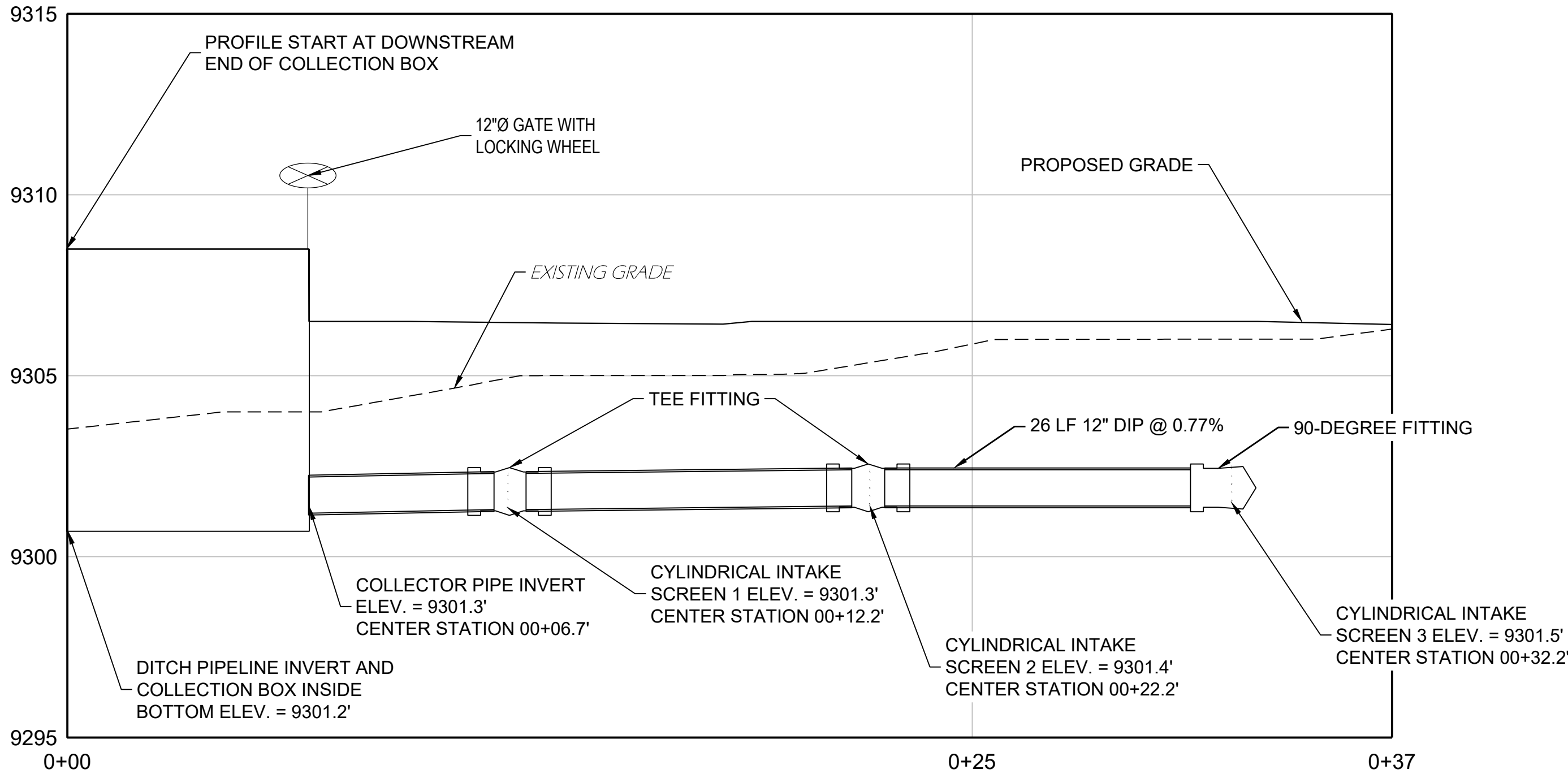
HORIZ. SCALE: 1" = 1'
VERT. SCALE: 1" = 1'

NOTES:

1. GRANULAR SEPARATION FILTER SHALL BE MIN. 6" THICK AND CONSIST OF 10% MIX OF 6" COBBLES, 40% MIX OF 1.5-3" ROCKS, AND 50% MIX OF ROCKS RANGING FROM $\frac{3}{8}$ " TO 1.5".
2. BOTH THE ARMOR LAYER AND GRANULAR SEPARATION FILTER REQUIRE ABILITY TO SIEVE ON SITE MATERIALS.
3. GRAVEL FILTER PACK SHALL BE CONSISTENT $\frac{3}{8}$ " WASHED GRAVEL

GRANULAR SEPARATION FILTER GRADATION GUIDANCE

STONE SIZE (IN)	PERCENT SMALLER
6.000	90
3.000	75
1.500	50
0.375	0



COLLECTOR PIPE PROFILE

HORIZ 0 3 6
VERT 0 3 6
SCALE IN FEET

DESIGNED	MHN	RESPEC	MHN	720 S COLORADO BLVD	TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308	BEAVER CREEK DIVERSION RESTORATION	INFILTRATION GALLERY PLAN & PROFILE	DRAWING NUMBER: C-15 SHEET 18
DRAWN	MHN	CHECKED	MNH	SUITE 410S				
DATE	06/24/2025	PHONE	(303) 757-3855	DENVER, CO 80246				
REVISION								

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PLOT DATE: July 22, 2025 7:20 PM BY: MICHELLE HOPKINS

GENERAL STRUCTURAL NOTES

1. DESIGN CRITERIA:

A. Referenced Design Standards:

a. IBC 2018 with Town of Ridgway Amendments per RMC 6-1

b. ACI 318-19 Building Code Requirements for Structural Concrete and Commentary (318R-19).
2. SOILS DATA USED IN DESIGN:

A. Net allowable soil bearing pressure:

a. Native Soils Below Existing Creek 1,000 psf

B. Equivalent fluid lateral backfill pressure (at-rest, saturated) 120 pcF
3. EXCAVATION AND BACKFILL:

A. All mat foundation slabs and footings shall bear on the materials described in Note 2.A. above, except as noted on the contract documents.
4. CONCRETE:

A. Design and construction shall be in accordance with ACI Building Codes ACI 318-19.

B. All cast-in-place concrete shall develop 4,500 psi (f_c) compressive strength within 28 days and meet all the other requirements of the Specifications unless otherwise noted. Use Type II cement.

C. All concrete shall use normal weight stone aggregate.

D. All exposed edges of concrete shall have 3/4" chamfer, unless otherwise noted on Drawings.

E. Use air-entrained concrete of 4 1/2%-7 1/2% air by volume.

F. Calcium chloride shall not be used in concrete.

G. See Civil Drawings for size and location of holes, sleeves, washers, bolts, anchors, inserts etc.
5. REINFORCEMENT:

A. Design, detailing, fabrication and placement shall be in accordance with ACI Codes and Manuals (ACI 315R-18, 318-14), except where specified otherwise in the Specifications or on the Drawings.

B. Steel reinforcement shall be new, deformed billet steel, meeting ASTM Standard A615, Grade 60, for all rebar. Shop drawings shall be marked accordingly.

C. Use splices only where specifically acceptable to structural engineer. See "Required Reinforcing Bar Tension Lap Splice Lengths" table, this sheet for lap length required.

D. Provide concrete protection for reinforcement as follows, unless detailed otherwise on Drawings:

a. Concrete poured against earth or rock 3"

b. Concrete poured in forms but exposed to ground or weather 2"

c. Top surfaces of slabs 2"

E. Reinforcement in all walls and thickened slabs shall be continuous around corners with corner bars provided, unless specifically detailed otherwise.

F. Provide plastic-footed accessories for all concrete surfaces exposed to ground, weather or view, except precast concrete supports shall be used for base slabs-on-grade with 8" or greater thickness, see Specifications.

G. Tack welding or welding of rebar shall not be permitted unless otherwise called for or acceptable to the engineer.
6. MISCELLANEOUS:

A. All dimensions and elevations on civil and structural Drawings must be verified by contractor prior to reinforcing bar fabrication and all project construction. Any discrepancies shall be directed to the engineer for resolution prior to fabrication.

B. Engineer's acceptance must be secured for all substitutions.

C. During construction of all the structures, the contractor shall be responsible for project safety and temporary bracing to withstand all loads to which the structures may be subjected, including lateral loads, stockpiles of materials and equipment. Such bracing shall be left in place as long as may be required and until all structural framing and diaphragms are in place with connections completed.

D. Do not reproduce contract documents or copy standard printed information as the basis of shop drawings.
7. SUBMITTAL REQUIREMENTS:

A. Submit reinforcing bar shop drawings for all concrete work for review by structural engineer prior to fabrication.

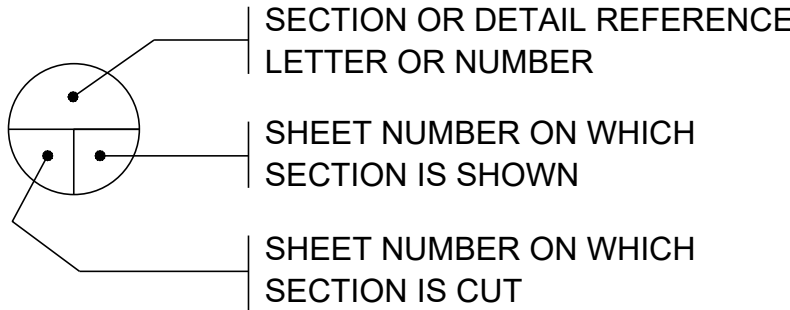
B. Submit concrete mix design for review by structural engineer prior to any concrete placement.

C. See Specifications for additional submittal requirements.

STRUCTURAL DRAWINGS ABBREVIATIONS

WORD(S)	ABBREVIATION(S)	WORD(S)	ABBREVIATION(S)
ABOVE FINISHED FLOOR	= AFF	MANUFACTURER or MANUFACTURER'S	= MANUF
ADDITIONAL	= ADDIT	MATERIAL	= MATL
ALLOWABLE STRESS DESIGN	= ASD	MAXIMUM	= MAX
ALUMINUM	= ALUM.	MINIMUM	= MIN
AMERICAN CONCRETE INSTITUTE	= ACI	NEAR SIDE/FAR SIDE	= NS/FS
AMERICAN INSTITUTE OF		NOT TO SCALE	= NTS
STEEL CONSTRUCTION	= AISC	OCCUPATIONAL HEALTH AND	
AMERICAN SOCIETY OF CIVIL ENGINEERS	= ASCE	SAFETY ADMINISTRATION	= OSHA
ANCHOR BOLT	= AB	ON-CENTER	= OC
ARCHITECT OR ARCHITECTURAL	= ARCH	OPPOSITE	= OPP
BEAM	= BM	OUTSIDE DIAMETER	= OD
BOTTOM	= BTM or BOT	PLATE	= PL
BOTTOM OF	= B.O.	POINT	= PT
BUILDING	= BLDG	POST-TENSIONING STEEL	= P-T
CAST-IN-PLACE	= CIP	POUNDS	= LBS
CENTER	= CTR	POUNDS PER CUBIC INCH	= PCI
CENTERED	= CTRD	POUNDS PER SQUARE FOOT	= PSF
CENTERLINE	= CL	POUNDS PER SQUARE INCH	= PSI
CLEAR	= CLR	PRECAST	= P/C
COLD-FORMED	= CF	RADIUS	= RAD or R
COLUMN	= COL	REFERENCE or REFER TO	= RE:
CONCRETE	= CONC	REINFORCED CONCRETE PIPE	= RCP
CONCRETE MASONRY UNIT	= CMU	REINFORCING STEEL	= REINF
CONNECTION	= CONN	REQUIRED	= REQD
CONSTRUCTION	= CONST	REQUIREMENT	= REQMT
CONSTRUCTION JOINT	= CONST JNT	SECTION	= SECT
CONTINUOUS	= CONT	SEE ARCHITECTURAL DRAWINGS	= SAD
CONTROL JOINT	= CJ	SEE CIVIL DRAWINGS	= SCD
COORDINATE	= COORD	SEE MECHANICAL DRAWINGS	= SMD
DETAIL	= DET	SHEET	= SHT
DIAMETER	= DIA or Ø	SHORT LEG VERTICAL	= SLV
DIMENSION	= DIM	SIMILAR	= SIM
DISTRIBUTED	= DIST	SLAB ON GRADE	= SOG
DRAWING	= DWG	SPACES	= SPA
EACH	= EA	SPECIFICATION	= SPEC
EACH FACE	= EF or EA FACE	SQUARE	= SQ
EACH WAY	= EW or EA WAY	STAINLESS STEEL	= SS
ELEVATION	= ELEV or EL	STANDARD	= STD
EMBEDDED or EMBEDMENT	= EMBED	STEEL	= STL
ENGINEER	= ENGR	STRUCTURAL or STRUCTURE	= STRUCT
EPOXY COATED	= EC or (EC)	STRUCTURAL STEEL PAINTING COUNCIL	= SSPC
EQUAL	= EQ	THICK or THICKNESS	= THK
EQUIVALENT	= EQUIV	TOP & BOTTOM	= T&B
EXPANSION JOINT	= EXP JNT	TOP OF	= T.O.
FEET	= FT or '	TYPICAL	= TYP
FINISHED FLOOR	= FIN FLR or FF	UNIFORM	= UNIF
FOOTING	= FTG	UNITED STATES GEOLOGICAL SURVEY	= USGS
FOUNDATION	= FDN	UNLESS NOTED OTHERWISE	= UNO
GEOTECHNICAL	= GEOTECH	VERTICAL	= VERT
GRADE BEAM	= GR BM	WELDED WIRE FABRIC	= WWF
HEADED ANCHOR STUDS	= H.A.S.	WITH	= W/
HEIGHT	= HT	WITHOUT	= W/O
HORIZONTAL	= HORIZ	WORKING POINT	= WP
INCH or INCHES	= IN or "	WS	= WATERSTOP
INCLUDE or INCLUDING	= INCL		
INFORMATION	= INFO		
INSIDE DIAMETER	= ID		
INTERNATIONAL BUILDING CODE	= IBC		
JOINT	= JNT		
JOIST BEARING ELEVATION	= JBE		
KIP (1000 POUNDS OF FORCE)	= K		
KIPS PER CUBIC FOOT	= KCF		
KIPS PER SQUARE FOOT	= KSF		
KIPS PER SQUARE INCH	= KSI		
LOAD AND RESISTANCE FACTOR DESIGN	= LRFD		
LONG LEG VERTICAL	= LLV		

SECTION AND DETAIL REFERENCE KEY



REQUIRED REINFORCING BAR TENSION
LAP SPLICE LENGTHS (INCHES)

FOR CONCRETE STRENGTHS OF 4000 PSI TO 4500 PSI AND 2" CONCRETE COVER	REINFORCEMENT WITH MORE THAN 12 IN. CONCRETE CAST BELOW SPLICE		ALL OTHER REINFORCEMENT	
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED
#3	24	16	24	16
#4	30	20	24	16
#5	38	25	29	19
#6	44	29	35	23
#7	65	43	50	33
#8	74	49	56	37
#9	90	60	69	46
#10	111	74	86	57

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06/24/2025

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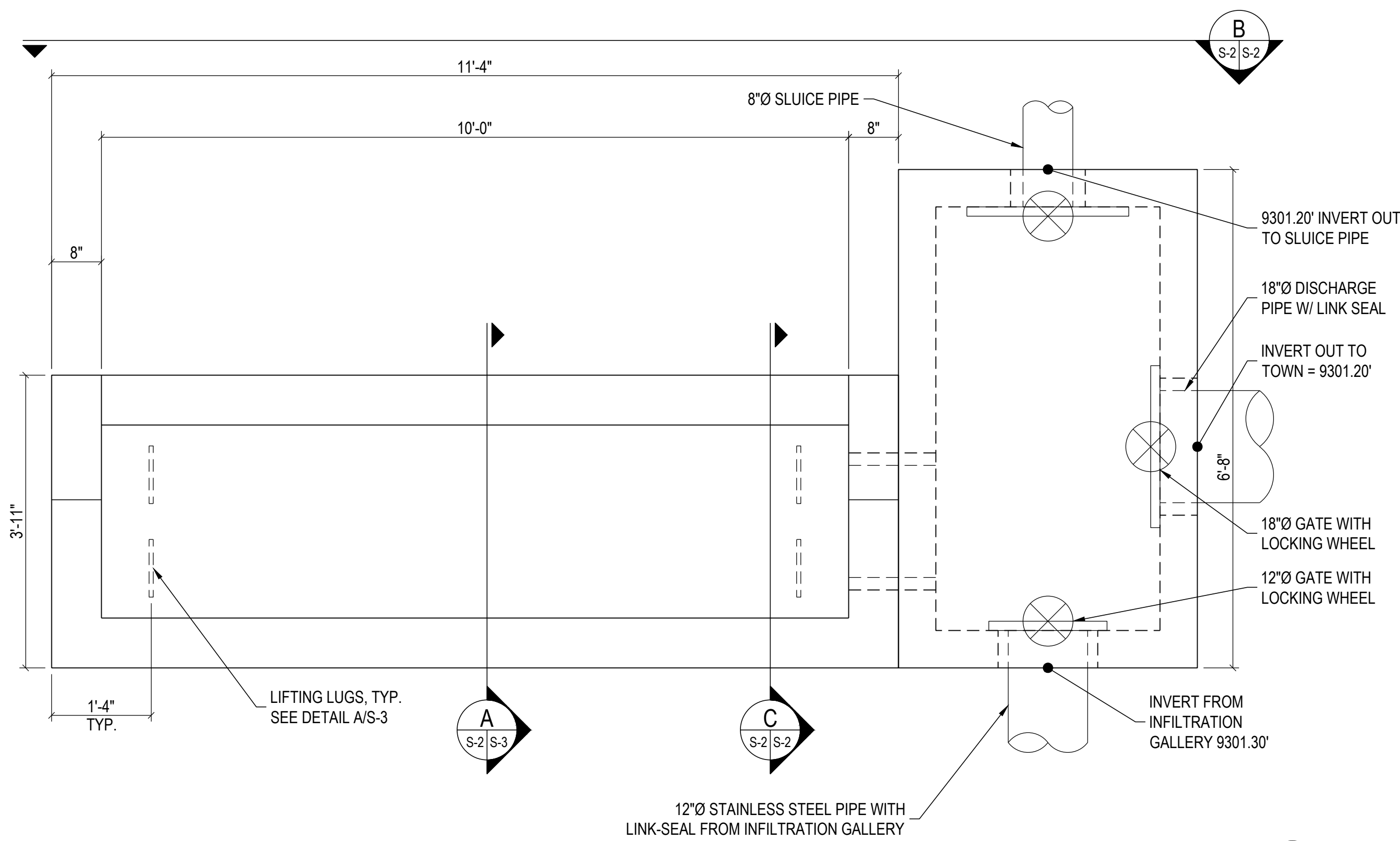
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BEAVER CREEK
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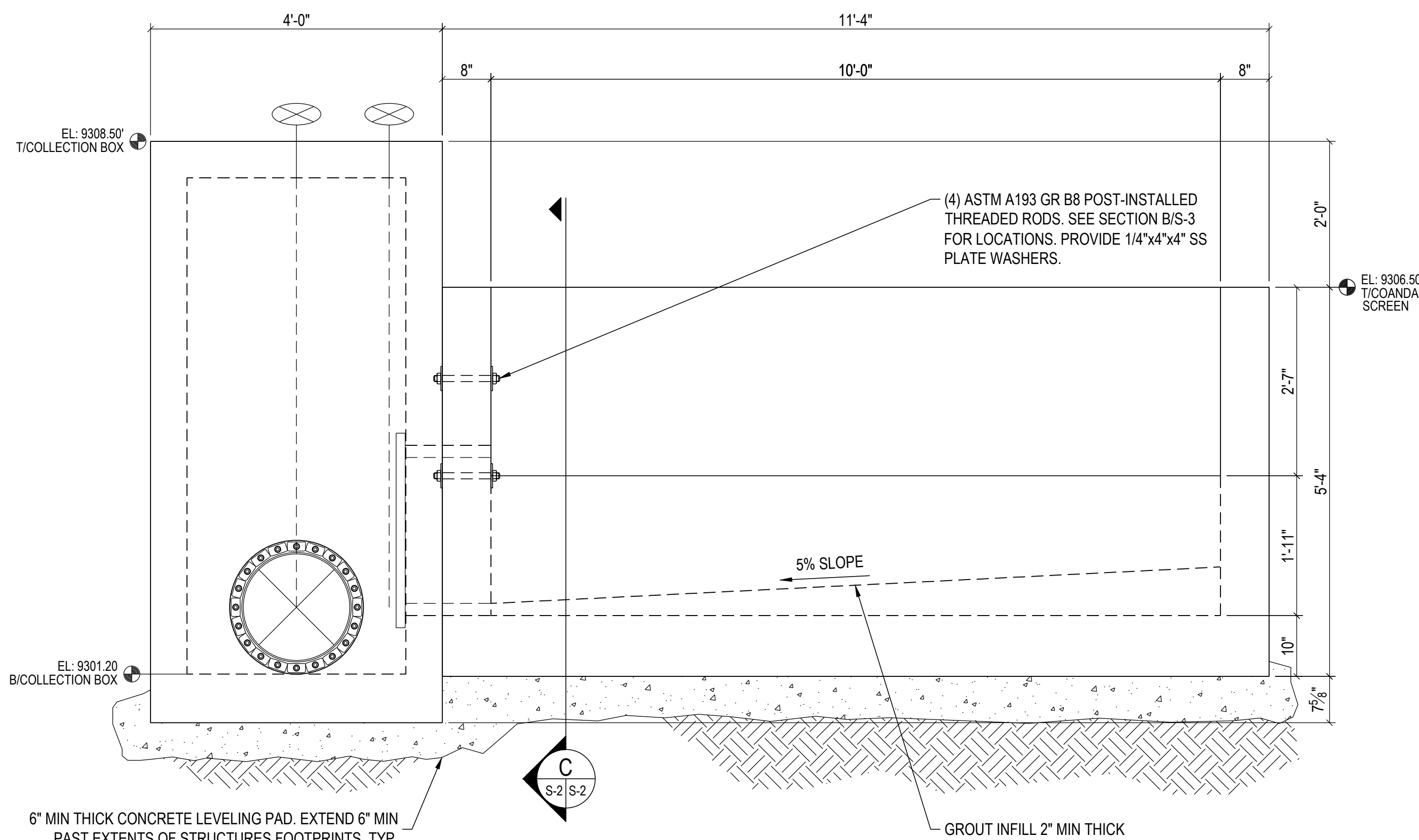
STRUCTURAL NOTES

DRAWING NUMBER:
S-1
SHEET 20

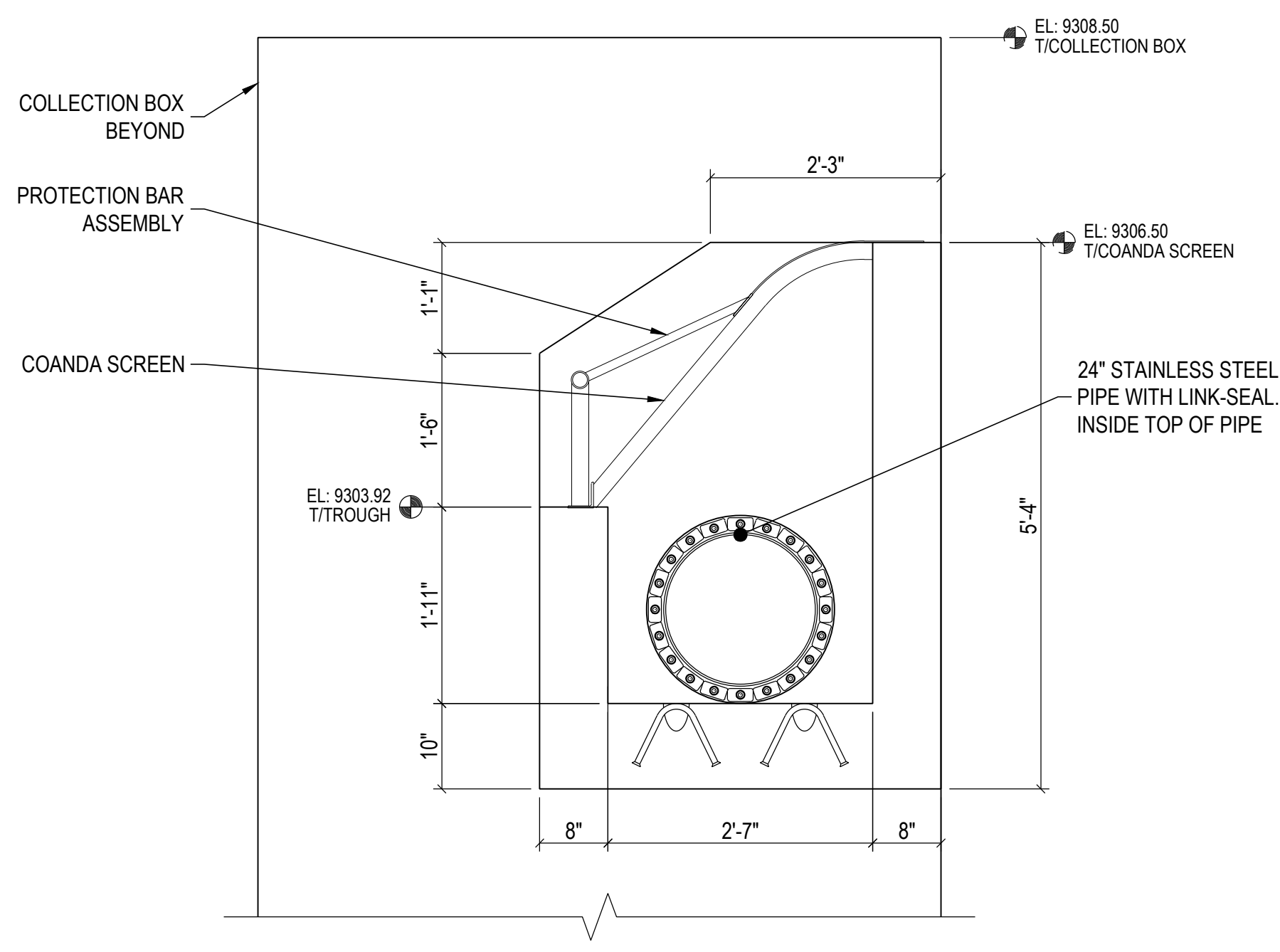
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PLOT DATE: July 22, 2025 7:20 PM BY: MICHELLE HOPKINS



A COANDA SCREEN AND COLLECTION BOX PLAN
SCALE: 3/4" = 1'-0"



B COANDA SCREEN AND COLLECTION BOX ELEVATION
SCALE: 3/4" = 1'-0"



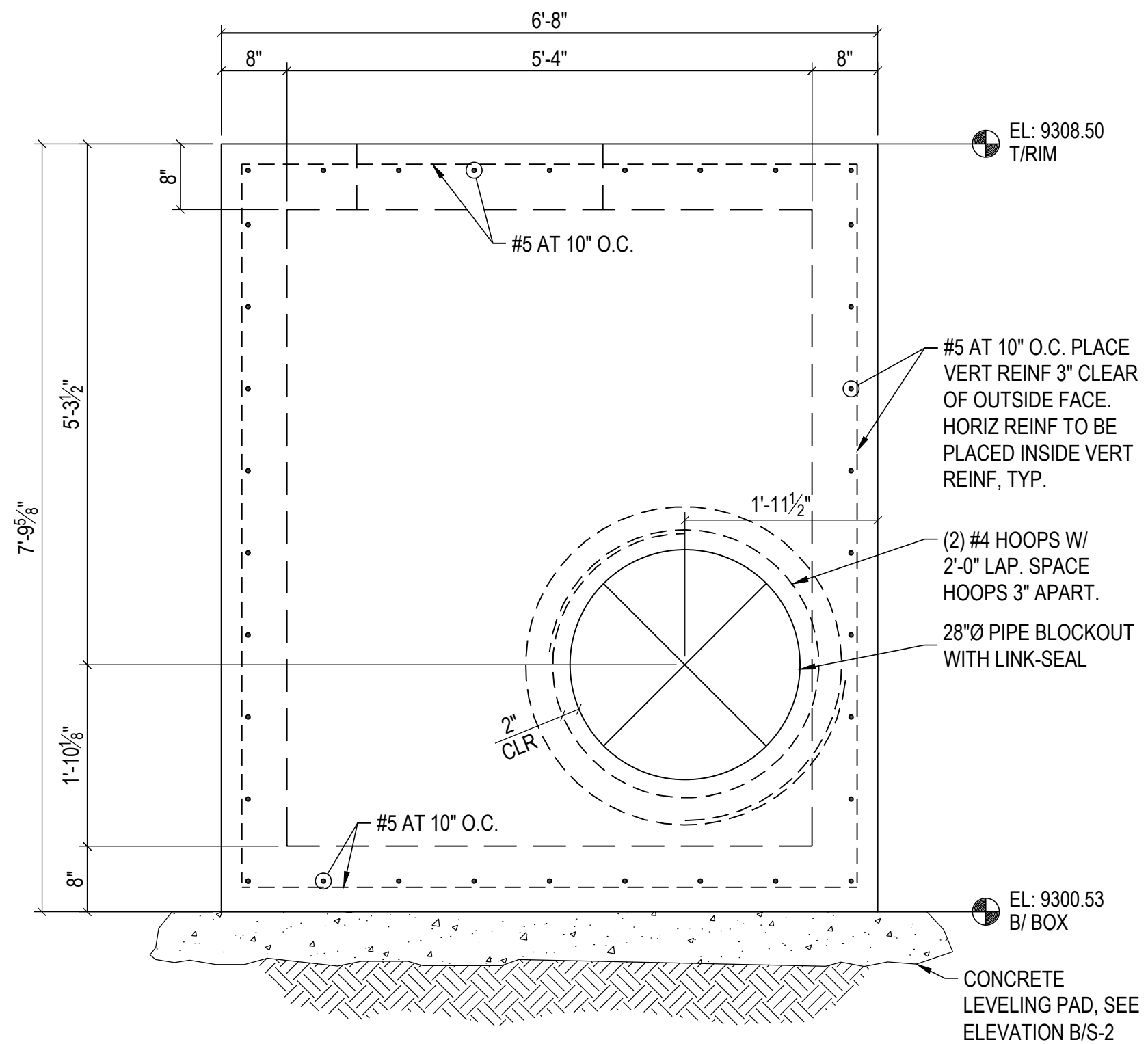
C COANDA SCREEN SECTION
SCALE: 3/4" = 1'-0"



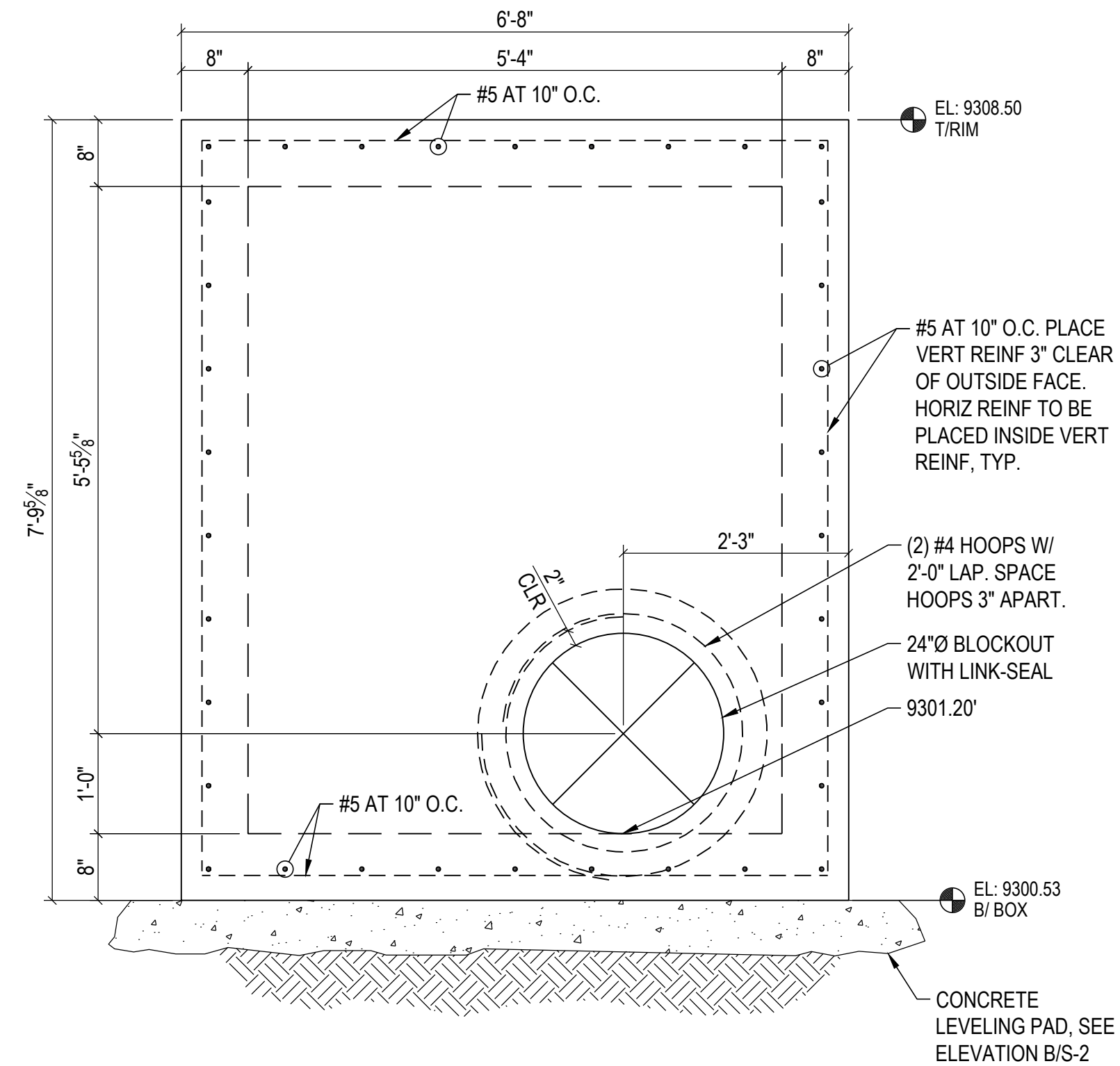
D COANDA SCREEN PERSPECTIVE
SCALE: NTS

REVISION			
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CHECKED	MAMH		
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DIVERSION STRUCTURE			
DRAWING NUMBER:			
S-2			
SHEET 21			

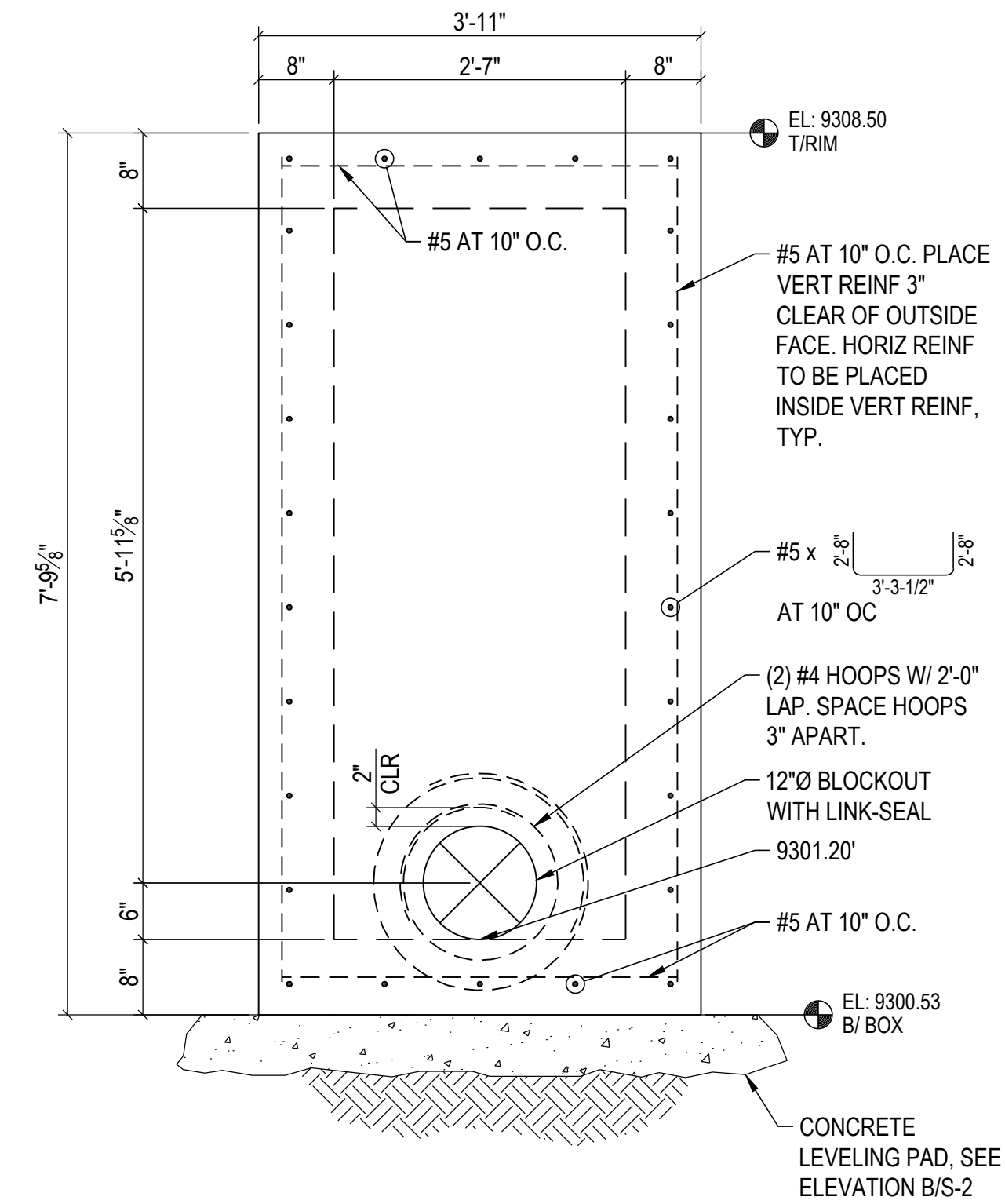
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PLOT DATE: July 22, 2025 7:20 PM BY: MICHELLE HOPKINS



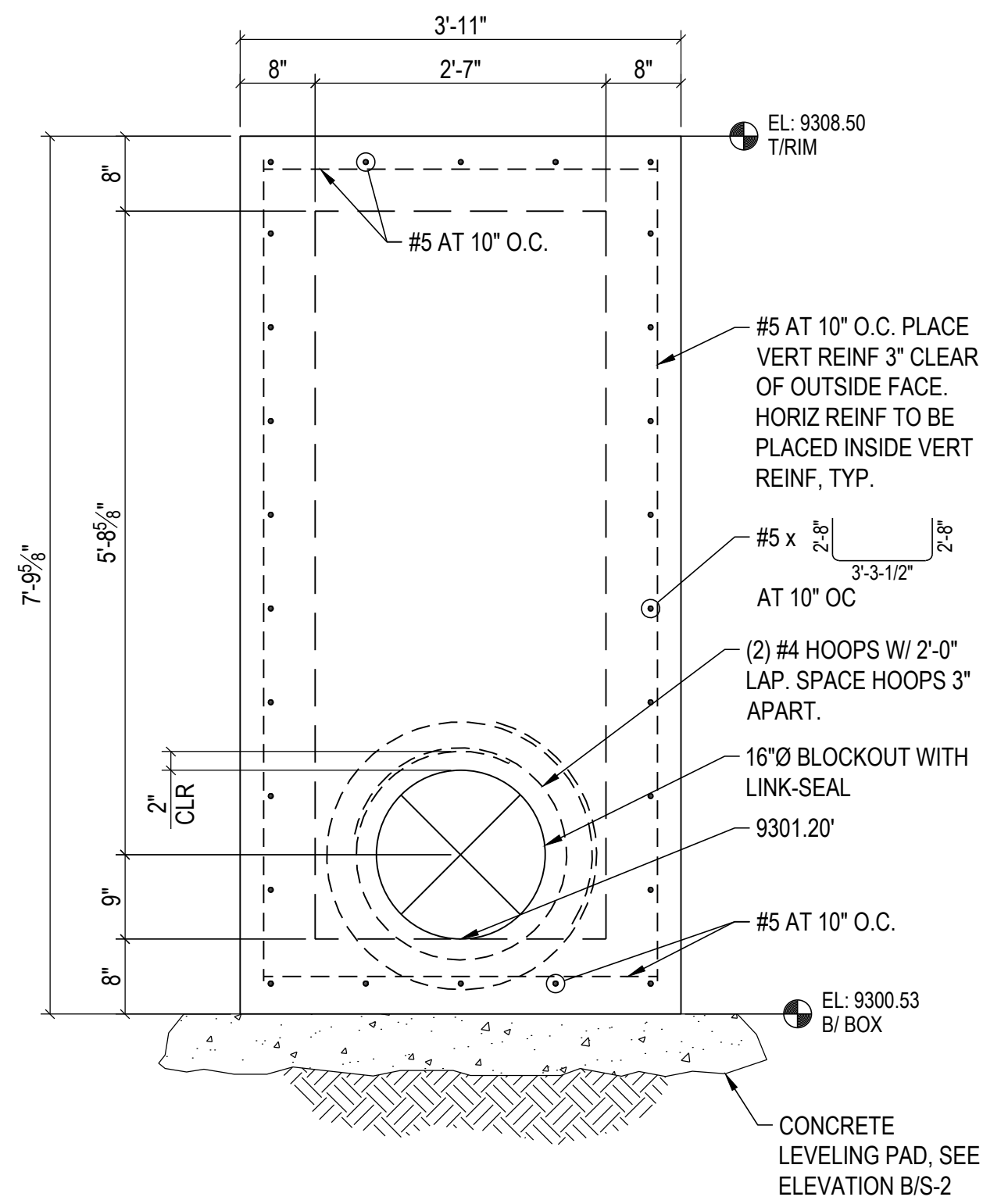
A COLLECTION BOX WEST ELEVATION
SCALE: 3/4" = 1'-0"



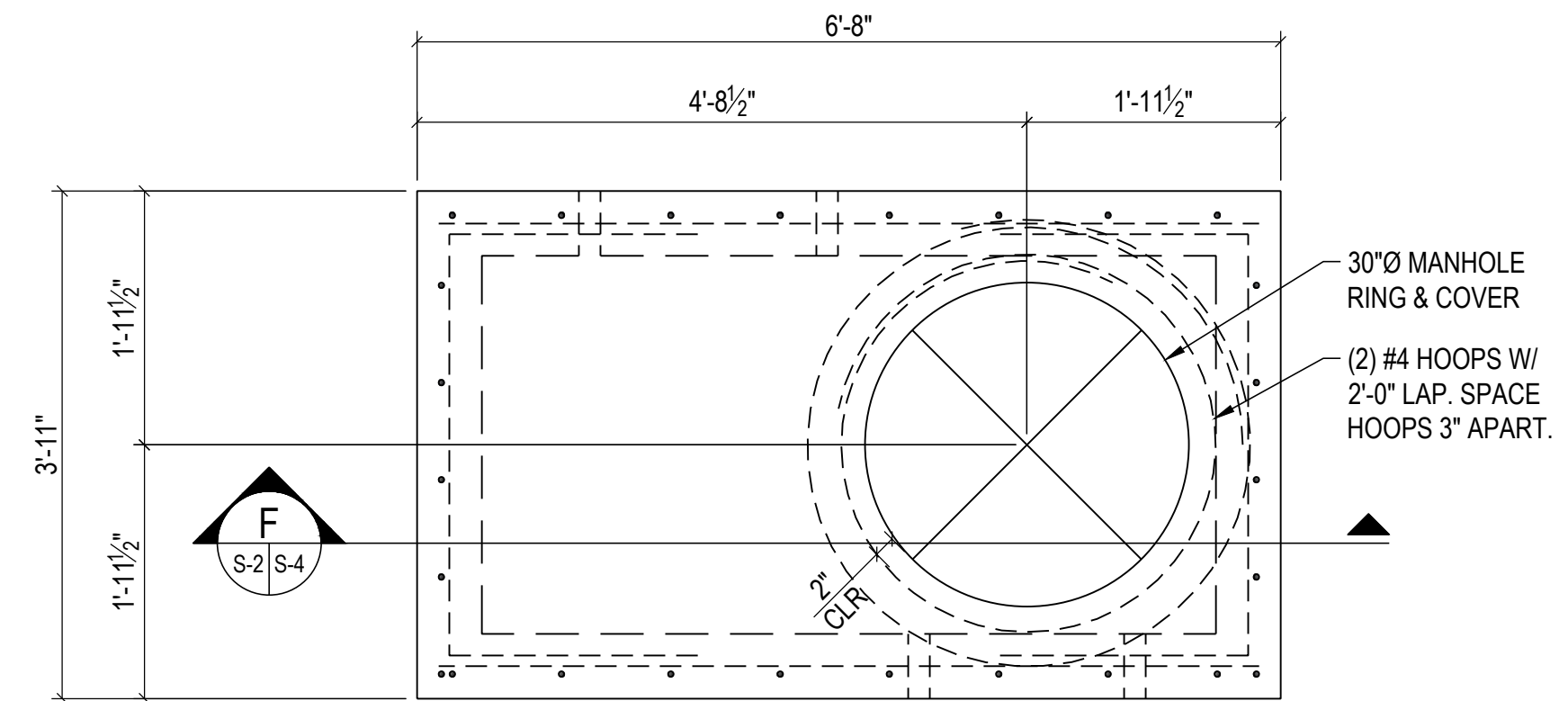
B COLLECTION BOX EAST ELEVATION
SCALE: 3/4" = 1'-0"



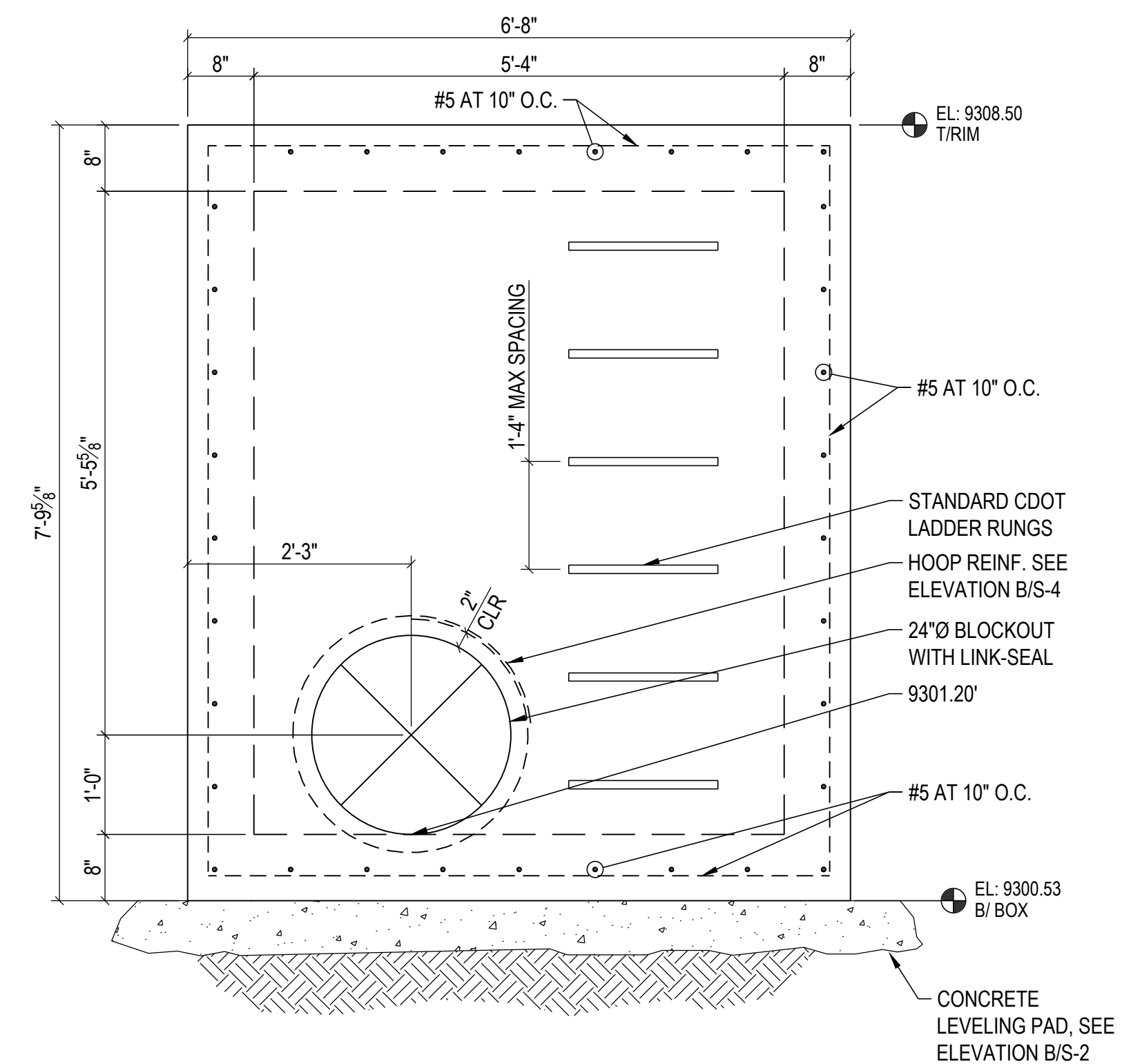
C COLLECTION BOX NORTH ELEVATION
SCALE: 3/4" = 1'-0"



D COLLECTION BOX SOUTH ELEVATION
SCALE: 3/4" = 1'-0"



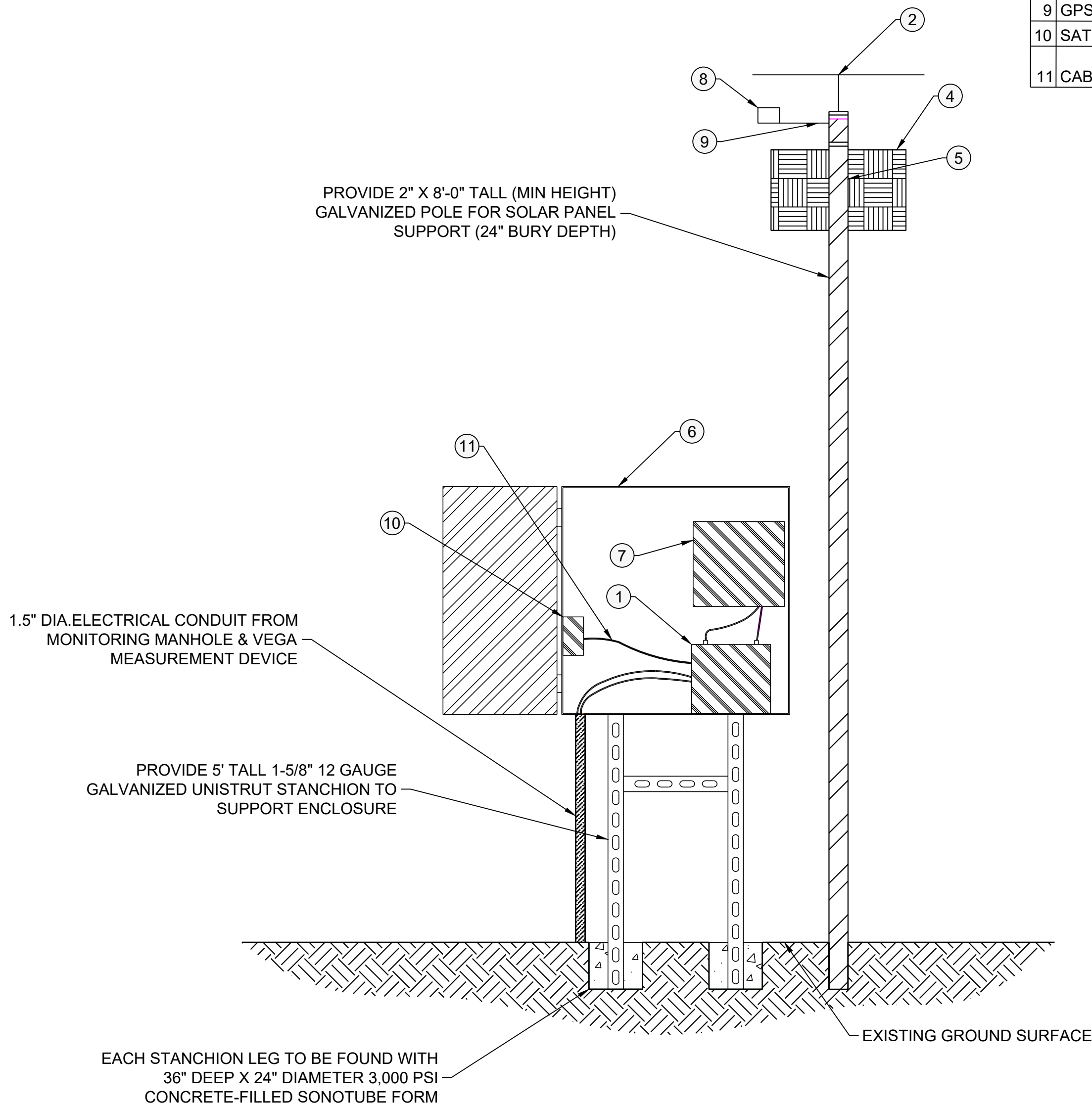
E COLLECTION BOX RIM PLAN
SCALE: 3/4" = 1'-0"



F COLLECTION BOX EAST ELEVATION
SCALE: 3/4" = 1'-0"

REVISION			
DESIGNED	MAMH	DRAWN	MTT
CHECKED	MAMH	DATE	06/24/2025
RESPEC 720 S COLORADO BLVD SUITE 410S DENVER, CO 80246 PHONE (303) 757-3855			
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811 Know what's below. Call before you dig.			
TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308			
BEAVER CREEK DIVERSION RESTORATION			
COLLECTION BOX DETAIL			
DRAWING NUMBER: S-4 SHEET 22			

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708 25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1 S-STREAM-DETAILS.DWG
PLOT DATE: July 22, 2025 7:20 PM BY: MICHELLE HOPKINS



EQUIPMENT SCHEDULE	COMMENTS
1 DATA LOGGER	CAMPBELL SCIENTIFIC CR350 WITH 4 ANALOG INPUTS
2 ANTENNA	11 dBi GOES YAGI RHCP ANTENNA WITH MOUNTING HARDWARE
3 LIGHTNING ARRESTOR	POLYPHASER IS-B50LN-C2
4 SOLAR PANEL	SLD TECH ST-309-12 12VDC, 30W
5 SIDE OF POLE MOUNT	SLD TECH SLB-0120
6 ENCLOSURE	HOFFMAN PART #A24H2010SSLP3PTW, 24"X20"X10" NEMA TYPE 4X ENCLOSURE, STAINLESS STEEL
7 BATTERY	12V, 35 aH SEALED LEAD-ACID BATTERY GEL CELL THUDERBOLT SOLAR
8 GPS ANTENNA	27 dBi GPS ANTENNA WITH 3V MAGNETIC MOUNT AND SMA CONNECTOR
9 GPS MOUNTING BRACKET	CM235 MAGNETIC MOUNTING STAND
10 SATELLITE TRANSMITTER	TX325 SATELLITE TRANSMITTER FOR GOES CS2/V2
11 CABLES	SC110 CABLES RS-232 TOT DATA LOGGER CONTROL PORT

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06/24/2025

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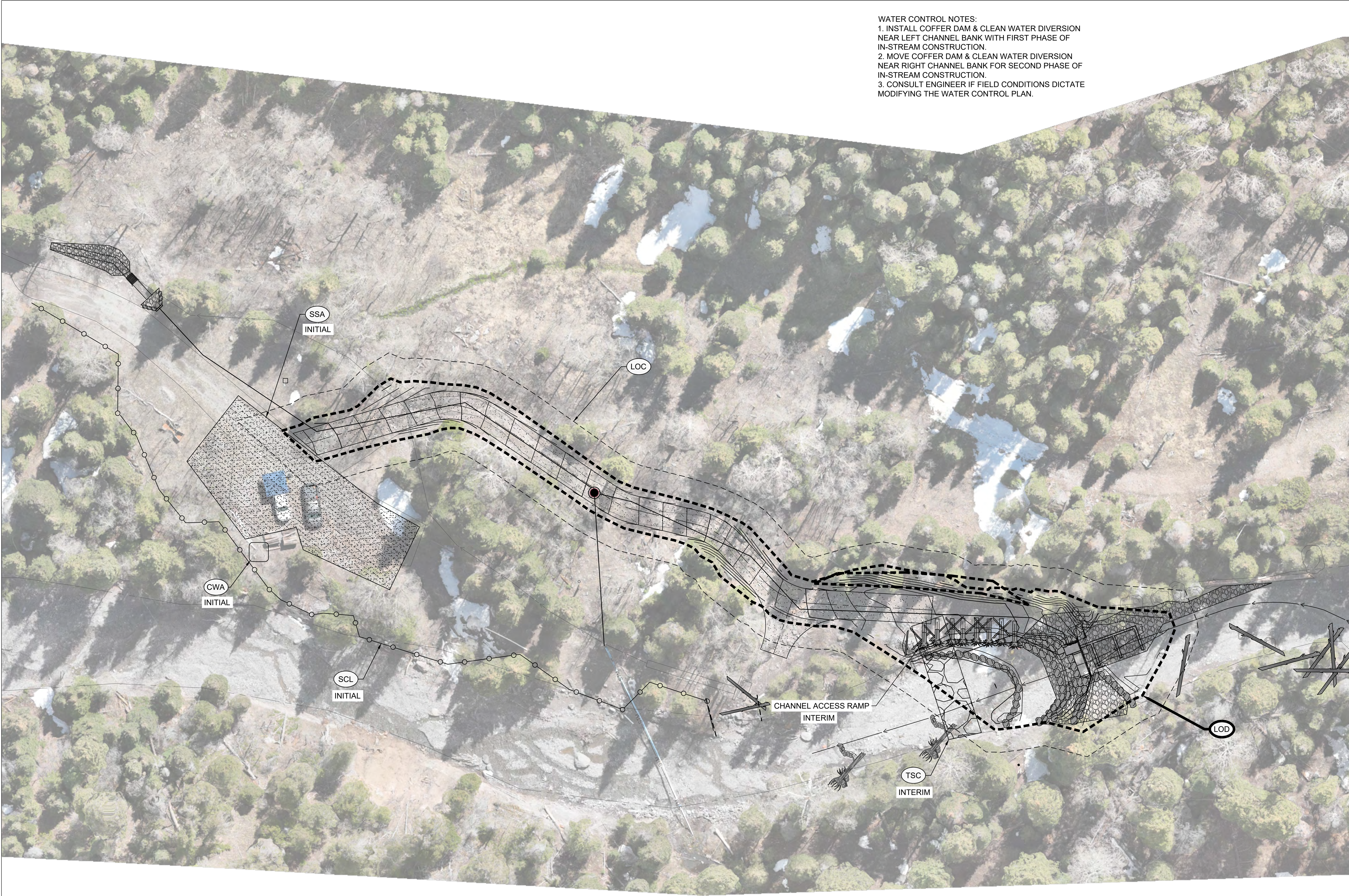
BEAVER CREEK
DIVERSION
RESTORATION

ENCLOSURE &
EQUIPMENT DETAIL

DRAWING NUMBER:
T-1
SHEET 23

REVISION

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708 25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-EROSION.DWG
PLOT DATE: JULY 22, 2025 7:21 PM BY: MICHELLE HOPKINS

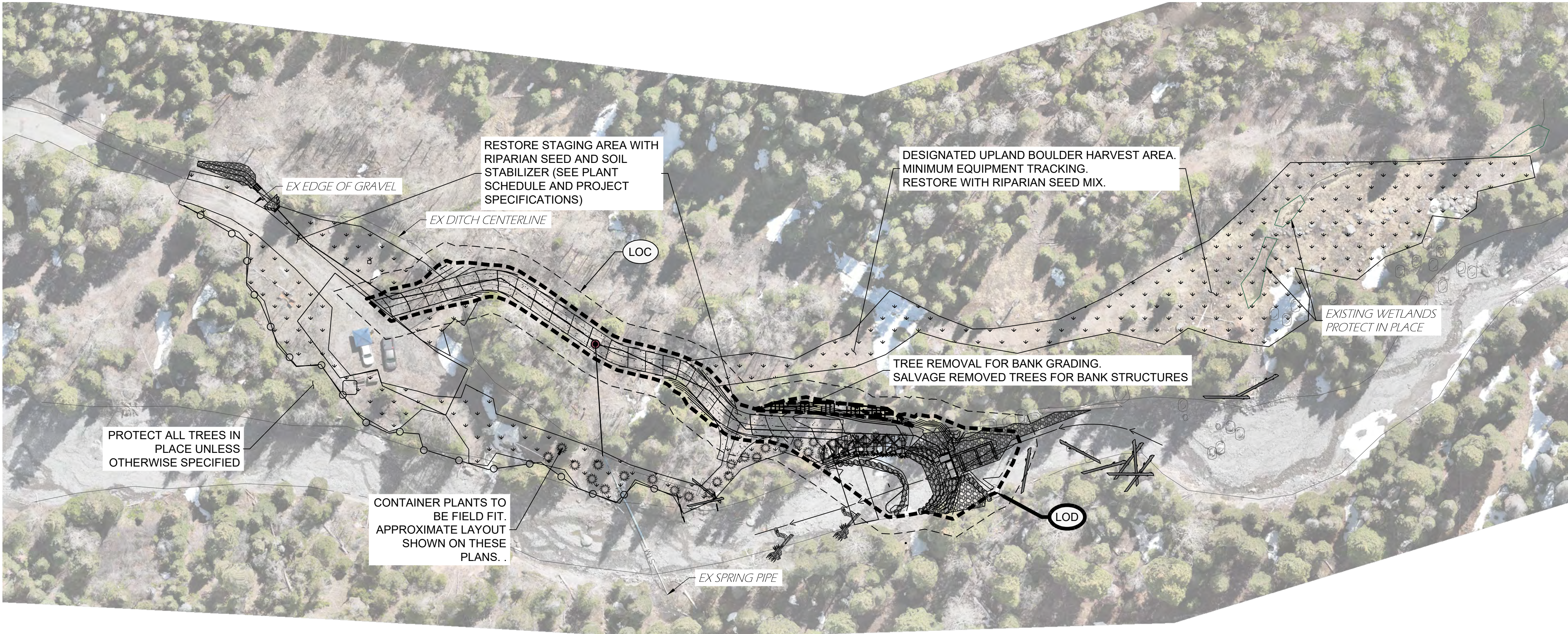


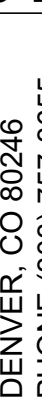
WATER CONTROL NOTES:
1. INSTALL COFFER DAM & CLEAN WATER DIVERSION NEAR LEFT CHANNEL BANK WITH FIRST PHASE OF IN-STREAM CONSTRUCTION.
2. MOVE COFFER DAM & CLEAN WATER DIVERSION NEAR RIGHT CHANNEL BANK FOR SECOND PHASE OF IN-STREAM CONSTRUCTION.
3. CONSULT ENGINEER IF FIELD CONDITIONS DICTATE MODIFYING THE WATER CONTROL PLAN.



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INITIAL & INTERIM EROSION CONTROL PLAN			
DRAWING NUMBER: ER-1 SHEET 24			

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD2 SHEETS\708251-S-EROSION.DWG
PLOT DATE: July 22, 2025 7:21 PM, BY: MICHELLE HOPKINS



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BEAVER CREEK DIVERSION RESTORATION		
FINAL STABILIZATION & RESTORATION PLAN		
DRAWING NUMBER: ER-2 SHEET 25		

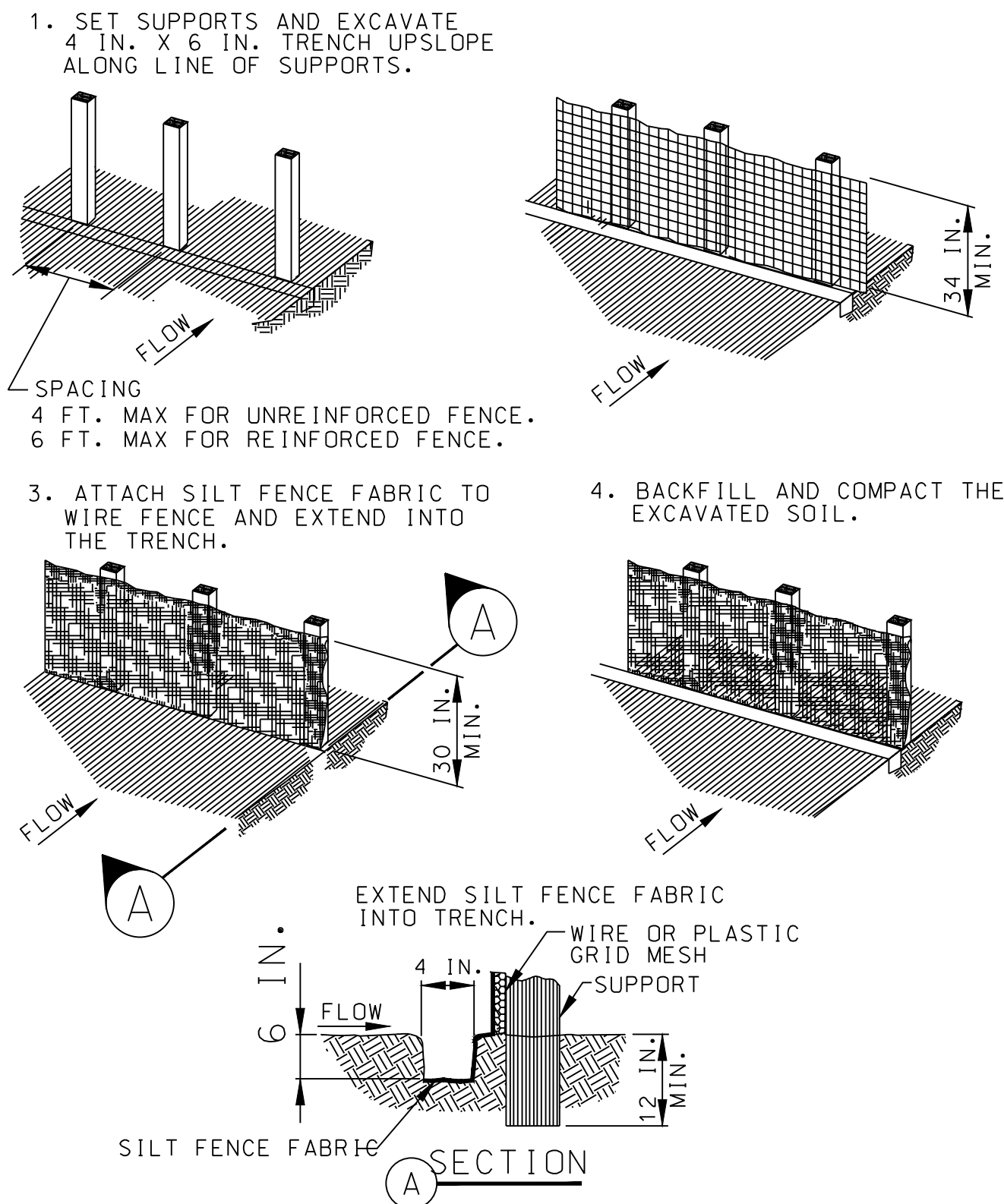
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PLOT DATE: JULY 22, 2025 7:21 PM BY: MICHELLE HOPKINS

NOTES:

1. ALL MATERIALS SHALL BE FREE OF WEEDS AND NATIVE STRANDS.
2. ALL SEEDED AREAS SHALL BE DRILL SEED AND COVERED WITH SOIL STABILIZER.
3. SOIL STABILIZER SHALL BE MULCH TACKIFIER OR EROSION CONTROL BLANKET STRAW TYPE APPROVED BY THE ENGINEER.
4. CONTAINER PLANTS SHALL BE FIELD PLACED AND PLANTED IN DESIGNATED AREAS OUTSIDE OF THE PERMANENT MAINTENANCE ACCESS ROAD AND CHANNEL ACCESS LOCATIONS.
5. CONTAINER PLANTS SHALL BE PLANTED IN CLUSTERS OF 3-5 AND SPACED 3 FT O.C.
6. FINAL PLANTS ARE BASED ON AVAILABILITY TO BE APPROVED BY PROJECT BIOLOGIST.
7. LIVE STAKES SHALL BE GEYER WILLOW OR RED OSIER DOG WOOD AND SOURCED OFFSITE.

Containerized Ripairan Shrubs:			
Qty	Species	Common Name	Size
5	Prunus virginiana	Chokecherry	55"
5	Acer glabrum	Rocky Mountain Maple	55"
10	Salix monticola	Rocky Mountain willow	55"
5	Alnus incana ssp. tenuifolia	Thinleaf alder	55"
10	Cornus sericea	Red osier dogwood	55"
5	Sambucus microbotrys	Redberried elder	55"

Zone A Riparian Transitional Seed Mix 11 lbs/acre		
Species	Common Name	% MIX
Bromus carinatus	Mountain Brome	20
Pascopyrum	Western wheatgrass	20
Arizona Fescue	Western fescue	20
Elymus glaucus	Blue wildrye	15
Achillea lanulosa	White Yarrow	5
Lupinus argeneus	Rocky Mountain Lupine	10
Geum triflorum	Rocky Mountain Geum	10

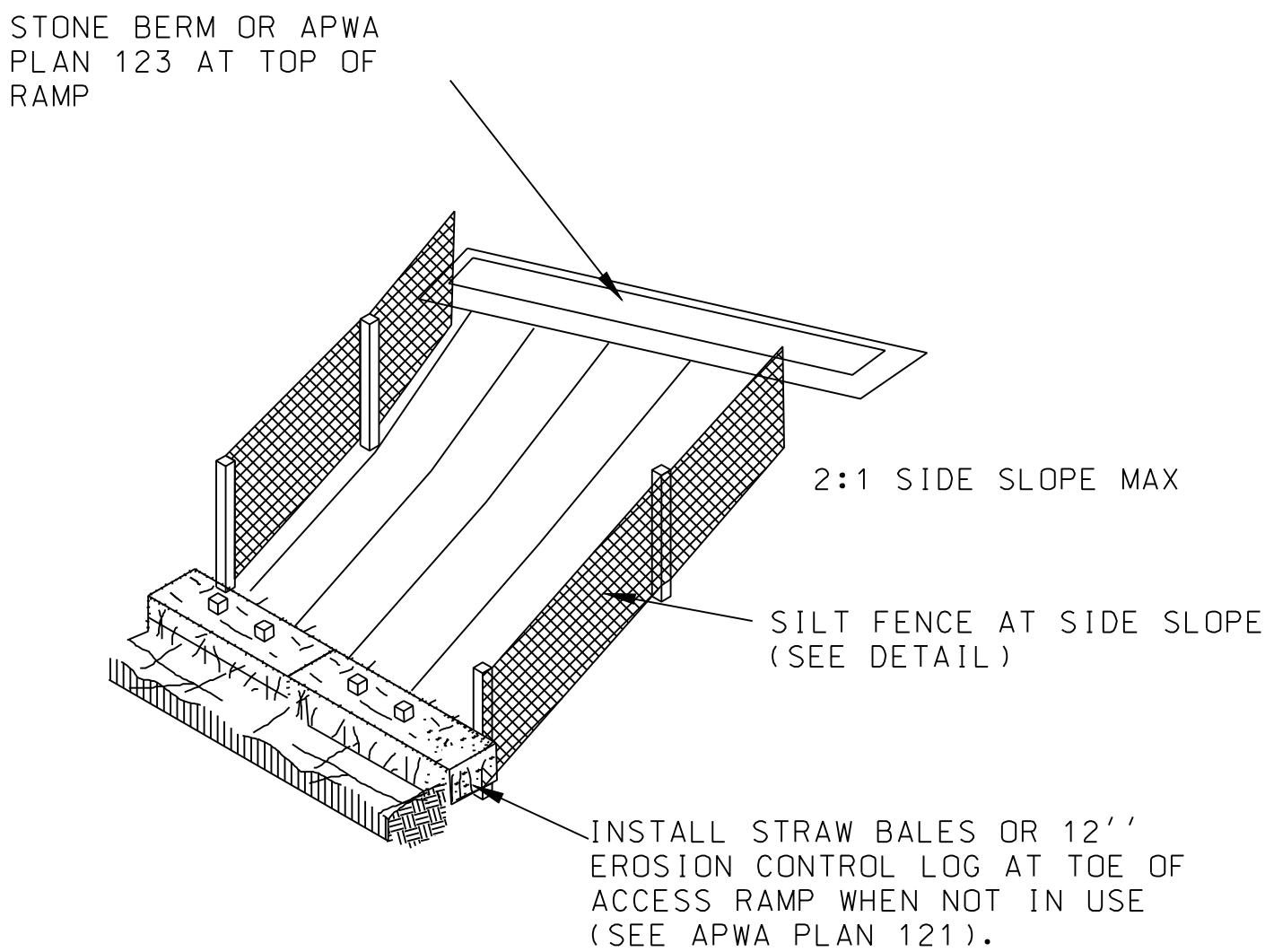


CONSTRUCTION NOTES:

1. SEE SPECIFICATION SECTION NO. 02361-SILT FENCES.

X (RSF) X REINFORCED SILT FENCE
SYMBOL
X (SF) X SILT FENCE
SYMBOL

SILT FENCE



NOTE: USE ON ALL STEEP SLOPE ACCESS POINTS AND FOR CHANNEL ACCESS.

CHANNEL ACCESS RAMP

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BEAVER CREEK
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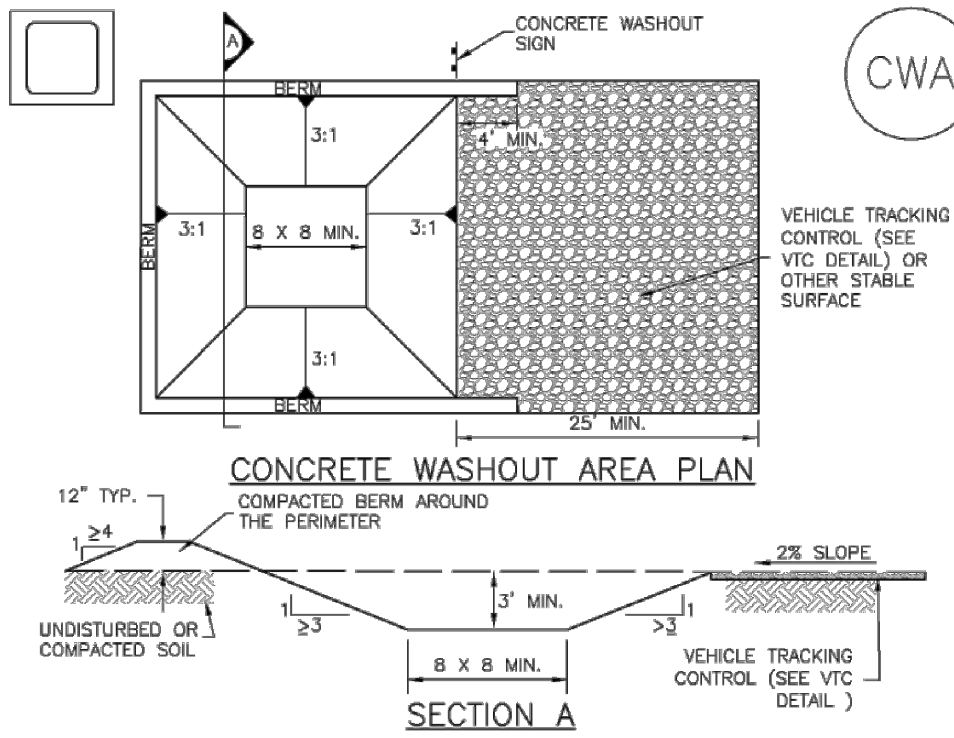
EROSION CONTROL
DETAILS (1 OF 5)

DRAWING NUMBER:

ER-3
SHEET 26

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PLOT DATE: July 22, 2025 7:21 PM BY: MICHELLE HOPKINS

Concrete Washout Area (CWA) MM-1



- CWA-1. CONCRETE WASHOUT AREA**
- CWA INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
- CWA INSTALLATION LOCATION.
 2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (15 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
 3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
 6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
 7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRVS.
 8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

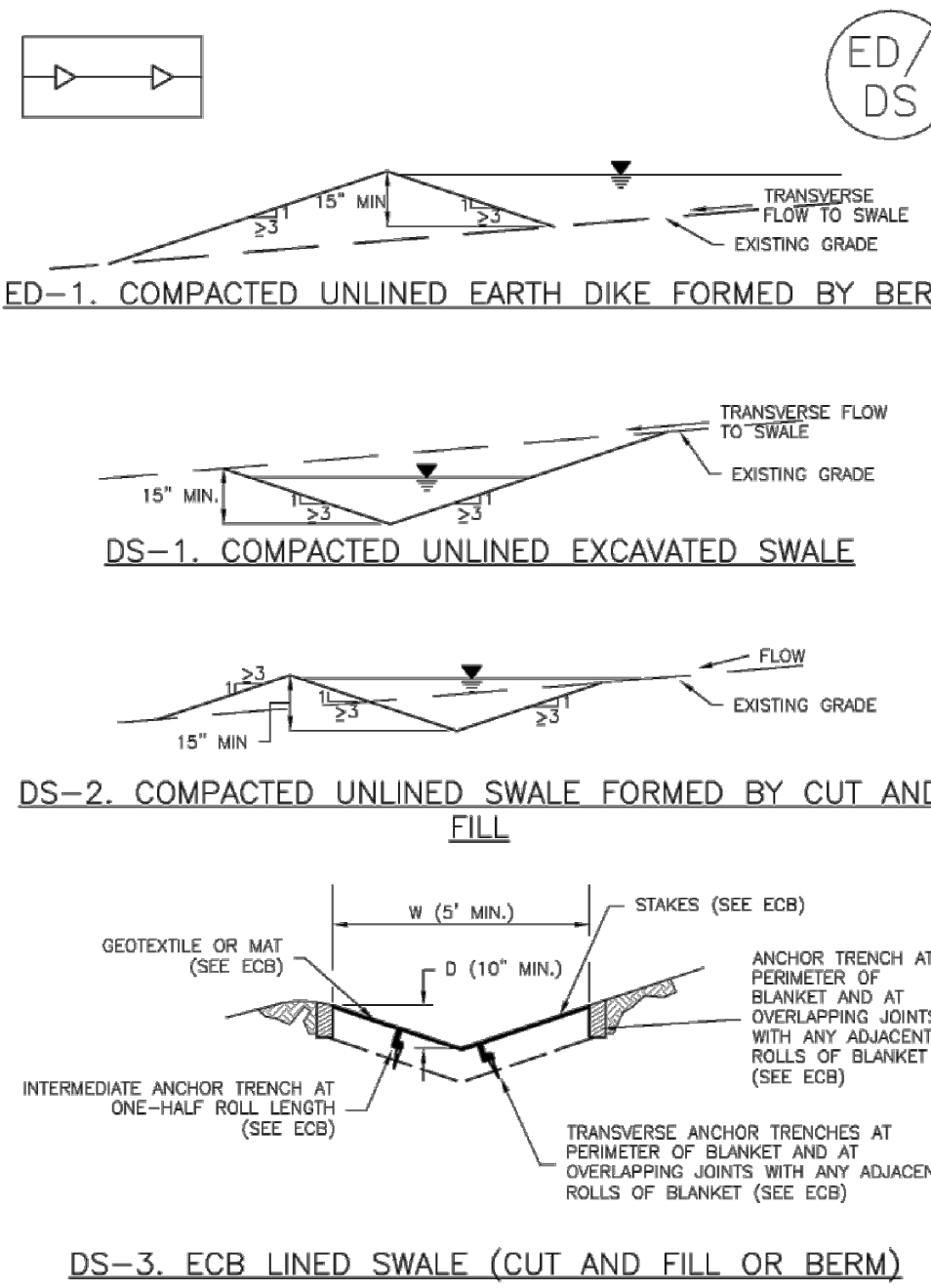
November 2010 Urban Drainage and Flood Control District CWA-3
Urban Storm Drainage Criteria Manual Volume 3

MM-1 Concrete Washout Area (CWA)

- CWA MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
 5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD).
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

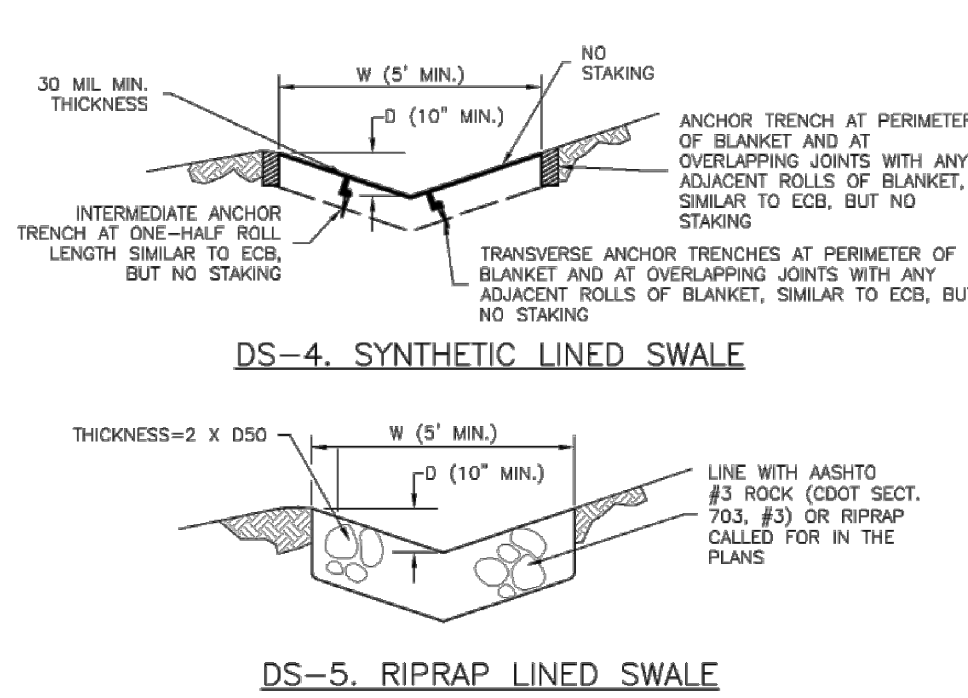
CWA-4 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

Earth Dikes and Drainage Swales (ED/DS) EC-10



November 2010 Urban Drainage and Flood Control District ED/DS-3
Urban Storm Drainage Criteria Manual Volume 3

EC-10 Earth Dikes and Drainage Swales (ED/DS)



- EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES**
1. SEE SITE PLAN FOR:
- LOCATION OF DIVERSION SWALE
- TYPE OF SWALE (UNLINED, COMPACTED AND/OR LINED)
- LENGTH OF EACH SWALE
- DEPTH, S, AND WIDTH, W DIMENSIONS
- FOR ECB/TIM LINED DITCH, SEE ECB DETAIL
- FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50.
 2. SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS.
 3. EARTH DIKES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY.
 4. EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698.
 5. SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP.
 6. FOR LINED DITCHES, INSTALLATION OF ECB/TIM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL.
 7. WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

ED/DS-4 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

Earth Dikes and Drainage Swales (ED/DS) EC-10

- EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. SWALES SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION; IF APPROVED BY LOCAL JURISDICTION, SWALES MAY BE LEFT IN PLACE.
 5. WHEN A SWALE IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District ED/DS-5
Urban Storm Drainage Criteria Manual Volume 3

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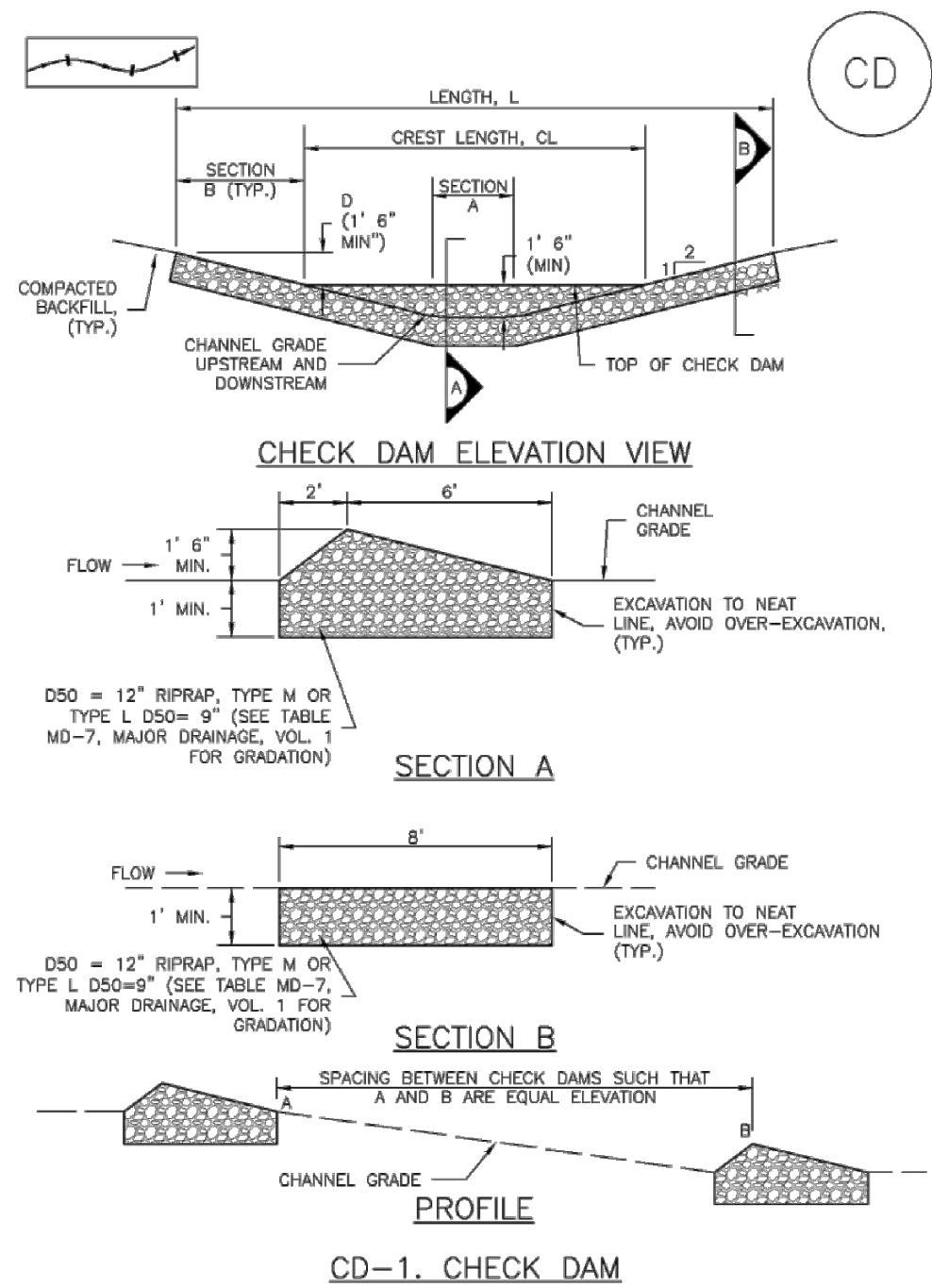
BEAVER CREEK
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EROSION CONTROL
DETAILS (2 OF 5)

DRAWING NUMBER:
ER-4
SHEET 27

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\0825-1-S-EROSION-DETAILS.DWG
PLOT DATE: July 22, 2025 7:21 PM BY: MICHELLE HOPKINS

Check Dams (CD) EC-12



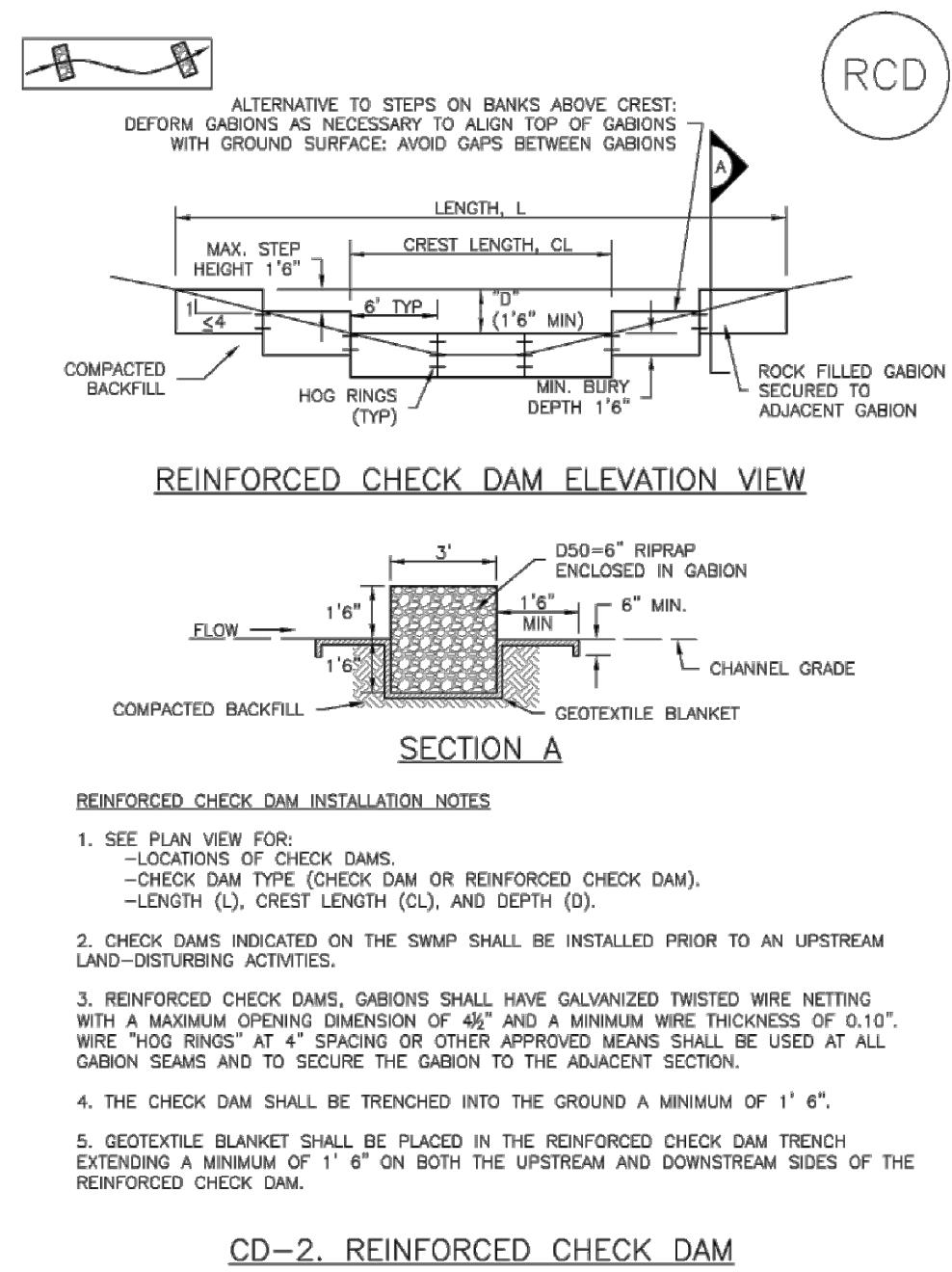
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EC-12 Check Dams (CD)

- CHECK DAM INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - LOCATION OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 2. CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
 3. RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (DSO 12") OR TYPE L (DSO 9").
 4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
 5. THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.
- CHECK DAM MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN $\frac{1}{2}$ OF THE HEIGHT OF THE CREST.
 5. CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 6. WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Check Dams (CD) EC-12



- REINFORCED CHECK DAM INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - LOCATIONS OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 2. CHECK DAMS INDICATED ON THE SWMP SHALL BE INSTALLED PRIOR TO AN UPSTREAM LAND-DISTURBING ACTIVITIES.
 3. REINFORCED CHECK DAMS, GABIONS SHALL HAVE GALVANIZED TWISTED WIRE NETTING WITH A MAXIMUM OPENING DIMENSION OF 4" AND A MINIMUM WIRE THICKNESS OF 0.10". WIRE "HOG RINGS" AT 4" SPACING OR OTHER APPROVED MEANS SHALL BE USED AT ALL GABION SEAMS AND TO SECURE THE GABION TO THE ADJACENT SECTION.
 4. THE CHECK DAM SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1' 6".
 5. GEOTEXTILE BLANKET SHALL BE PLACED IN THE REINFORCED CHECK DAM TRENCH EXTENDING A MINIMUM OF 1' 6" ON BOTH THE UPSTREAM AND DOWNSTREAM SIDES OF THE REINFORCED CHECK DAM.

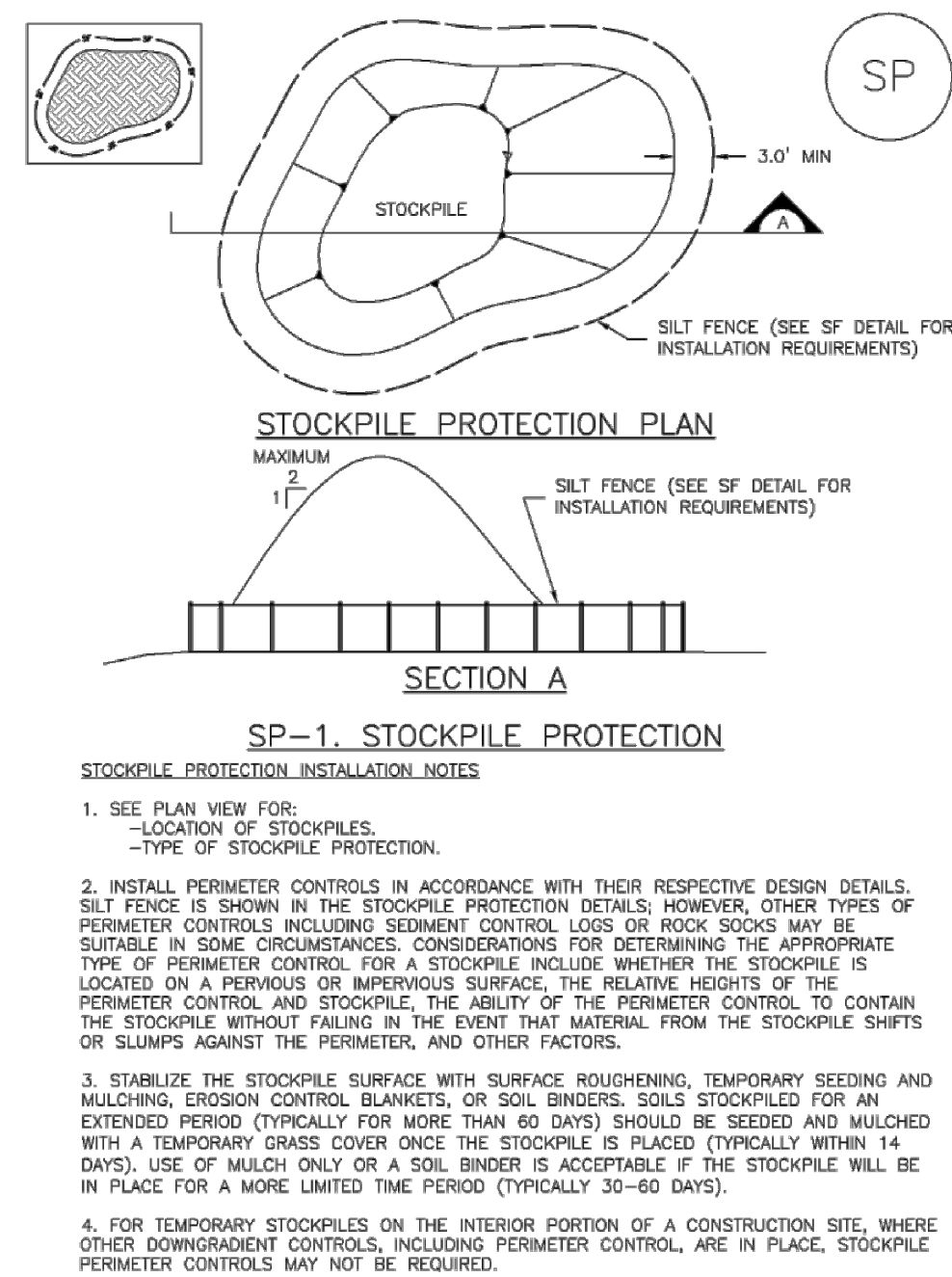
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EC-12 Check Dams (CD)

- REINFORCED CHECK DAM MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. SEDIMENT ACCUMULATED UPSTREAM OF REINFORCED CHECK DAMS SHALL BE REMOVED AS NEEDED TO MAINTAIN THE EFFECTIVENESS OF BMP. TYPICALLY WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN $\frac{1}{2}$ OF THE HEIGHT OF THE CREST.
 5. REPAIR OR REPLACE REINFORCED CHECK DAMS WHEN THERE ARE SIGNS OF DAMAGE SUCH AS HOLES IN THE GABION OR UNDERCUTTING.
 6. REINFORCED CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 7. WHEN REINFORCED CHECK DAMS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDS, AND MULCHED, AND COVERED WITH A GEOTEXTILE BLANKET, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Stockpile Management (SP) MM-2



- STOCKPILE PROTECTION INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - LOCATION OF STOCKPILES.
 - TYPE OF STOCKPILE PROTECTION.
 2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
 3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL, BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDS AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
 4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

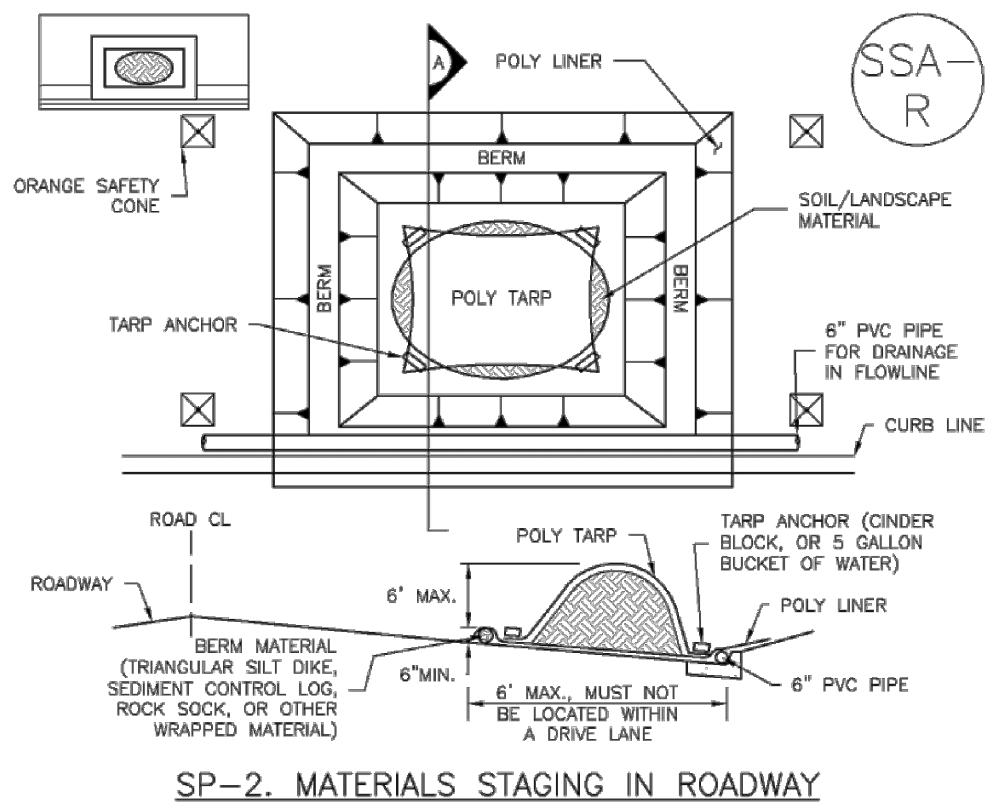
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MM-2 Stockpile Management (SM)

- STOCKPILE PROTECTION MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- STOCKPILE PROTECTION MAINTENANCE NOTES**
4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
 5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.
- (DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Stockpile Management (SP) MM-2



- MATERIALS STAGING IN ROADWAYS INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - LOCATION OF MATERIAL STAGING AREA(S).
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 2. FEATURE MUST BE INSTALLED PRIOR TO EXCAVATION, EARTHWORK OR DELIVERY OF MATERIALS.
 3. MATERIALS MUST BE STATIONED ON THE POLY LINER. ANY INCIDENTAL MATERIALS DEPOSITED ON PAVED SECTION OR ALONG CURB LINE MUST BE CLEANED UP PROMPTLY.
 4. POLY LINER AND TARP COVER SHOULD BE OF SIGNIFICANT THICKNESS TO PREVENT DAMAGE OR LOSS OF INTEGRITY.
 5. SAND BAGS MAY BE SUBSTITUTED TO ANCHOR THE COVER TARP OR PROVIDE BERMING UNDER THE BASE LINER.
 6. FEATURE IS NOT INTENDED FOR USE WITH WET MATERIAL THAT WILL BE DRAINING AND/OR SPREADING OUT ON THE POLY LINER OR FOR DEMOLITION MATERIALS.
 7. THIS FEATURE CAN BE USED FOR:
 - UTILITY REPAIRS.
 - WHEN OTHER STAGING LOCATIONS AND OPTIONS ARE LIMITED.
 - OTHER LIMITED APPLICATION AND SHORT DURATION STAGING.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SP-5

MM-2 Stockpile Management (SM)

- MATERIALS STAGING IN ROADWAY MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. INSPECT PVC PIPE ALONG CURB LINE FOR CLOGGING AND DEBRIS. REMOVE OBSTRUCTIONS PROMPTLY.
 5. CLEAN MATERIAL FROM PAVED SURFACES BY SWEEPING OR VACUUMING.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM AURORA, COLORADO)

SP-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

DESIGNED				DRAWN				CHECKED				DATE				REVISION			
MAI/H				MTT				MAI/H				06/24/2025							
RESPEC				SUITE 410S				DENVER, CO 80246				PHONE (303) 757-3855							
720 S COLORADO BLVD																			
STAMP																			
811																			
Know what's below. Call before you dig.																			
TOWN OF RIDGWAY				201 N RAILROAD ST				RIDGWAY, CO 81432				(970) 626-5308							
BEAVER CREEK DIVERSION RESTORATION																			
EROSION CONTROL DETAILS (3 OF 5)																			
DRAWING NUMBER:																			
ER-5																			
SHEET 28																			

SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
-LOCATION OF STAGING AREA(S).
-CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SPEC. #703, MSHTD #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERMEABLE BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. INSPECT BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-3

Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.

6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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in accordance with the *Major Drainage* chapter in Volume 1.



TDM-10
Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3
June 2012

Figure 10 is a line graph showing the relationship between Total Tributary Area (square miles) on the x-axis and Time (hrs) on the y-axis. The x-axis ranges from 0.00 to 25.00 square miles, and the y-axis ranges from 0.00 to 1200.00 hours. Six curves are plotted, representing different percentages of peak flow: 10%, 20%, 30%, 40%, 60%, and 80%. The curves show that as the percentage of peak flow increases, the time to reach a given flow rate decreases. The 80% curve is the steepest, reaching a time of approximately 1100 hours at 25 square miles. The 10% curve is the least steep, reaching a time of approximately 100 hours at 25 square miles. The curves are labeled with their respective percentages: 10%, 20%, 30%, 40%, 60%, and 80%.

Total Tributary Area (square miles)	10% Time (hrs)	20% Time (hrs)	30% Time (hrs)	40% Time (hrs)	60% Time (hrs)	80% Time (hrs)
0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	10	20	30	40	50	60
2.00	20	40	60	80	100	120
3.00	30	60	90	120	150	180
4.00	40	80	120	160	200	240
5.00	50	100	150	200	250	300
10.00	100	200	300	400	500	600
15.00	150	250	350	450	550	650
20.00	200	300	400	500	600	700
25.00	250	350	450	550	650	750

**Figure TDM-2. Temporary Diversion Facility Sizing Nomograph for Long Duration Projects
(Duration in excess of three months) Based on 2-year Peak Flows -
Denver Metropolitan and Adjacent Areas, Updated April 2012**

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Diagram illustrating the DC-1. PLASTIC LINED DIVERSION CHANNEL. The diagram shows a cross-section of a channel with a plastic liner. Key dimensions include a 30 MIL MIN. plastic thickness, a width W (VARIES), a depth D (VARIES), and a bottom width BW (VARIES). The channel has an intermediate anchor trench at one-half roll-length similar to ECB/TRM DETAIL, but no staking. The anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket is similar to ECB/TRM, but no staking. The diagram also shows a transverse anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket, similar to ECB, but no staking. The diagram is labeled DC-1. PLASTIC LINED DIVERSION CHANNEL.

Diagram illustrating the DC-2. GEOTEXTILE OR MAT LINED DIVERSION CHANNEL. The diagram shows a cross-section of a channel with a geotextile or mat liner. Key dimensions include a thickness of 2 x D, a width W (5'-0" MIN.), a depth D (10" MIN.), and a bottom width BW (VARIES). The channel has an intermediate anchor trench at one-half roll-length similar to ECB/TRM. The anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket is similar to ECB/TRM. The diagram also shows a transverse anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket, similar to ECB/TRM. The diagram is labeled DC-2. GEOTEXTILE OR MAT LINED DIVERSION CHANNEL.

Diagram illustrating the DC-3. RIPRAP LINED DIVERSION CHANNEL. The diagram shows a cross-section of a channel with a riprap liner. Key dimensions include a thickness of 2 x D, a width W (5'-0" MIN.), a depth D (10" MIN.), and a bottom width BW (VARIES). The channel has an intermediate anchor trench at one-half roll-length similar to ECB/TRM. The anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket is similar to ECB/TRM. The diagram also shows a transverse anchor trench at the perimeter of the blanket and at overlapping joints with adjacent rolls of blanket, similar to ECB/TRM. The diagram is labeled DC-3. RIPRAP LINED DIVERSION CHANNEL.

TDM-12
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CHANNEL DIVERSION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF DIVERSION CHANNEL.
 - TYPE OF CHANNEL (UNLINED, GEOTEXTILE OR MAT LINED, PLASTIC LINE, OR RIPRAP LINED).
 - LENGTH OF EACH TYPE OF CHANNEL.
 - DEPTH, D, WIDTH, W, AND BOTTOM WIDTH, BW.
 - FOR RIPRAP LINED CHANNEL, SIZE OF RIPRAP, D50, SHALL BE SHOWN ON PLANS.
2. SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES.
3. DIVERSION CHANNELS INDICATED ON THE SWAMP PLAN SHALL BE INSTALLED PRIOR TO WORK IN DOWNCROAGD AREA OR NATURAL CHANNELS.

DIVERSION CHANNEL MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE AFTER A HIGH FLOW EVENT SUCH AS A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. DIVERSION CHANNELS ARE TO REMAIN IN PLACE UNTIL WORK IN THE DOWNSTREAM AREA OR NATURAL CHANNEL IS NO LONGER REQUIRED. IF APPROVED BY LOCAL JURISDICTION DIVERSION CHANNEL MAY BE LEFT IN PLACE.
5. IF DIVERSION CHANNELS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

June 2012 Urban Drainage and Flood Control District TDM-13
Urban Storm Drainage Criteria Manual Volume 3

REVISION

DESIGNED	MAMH
DRAWN	MTT
CHECKED	MAMH
DATE	06/24/2022

RESPEC
7720 S COLORADO BLVD
SUITE 410S
DENVER, CO 80246
PHONE (303) 757-3655



STAMP



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TOWN OF RIDGWAY
201 N RAILROAD ST
RIDGWAY, CO 81432
(970) 626-5308

BEAVER CREEK
DIVERSION
RESTORATION

EROSION CONTROL
DETAILS (4 OF 5)

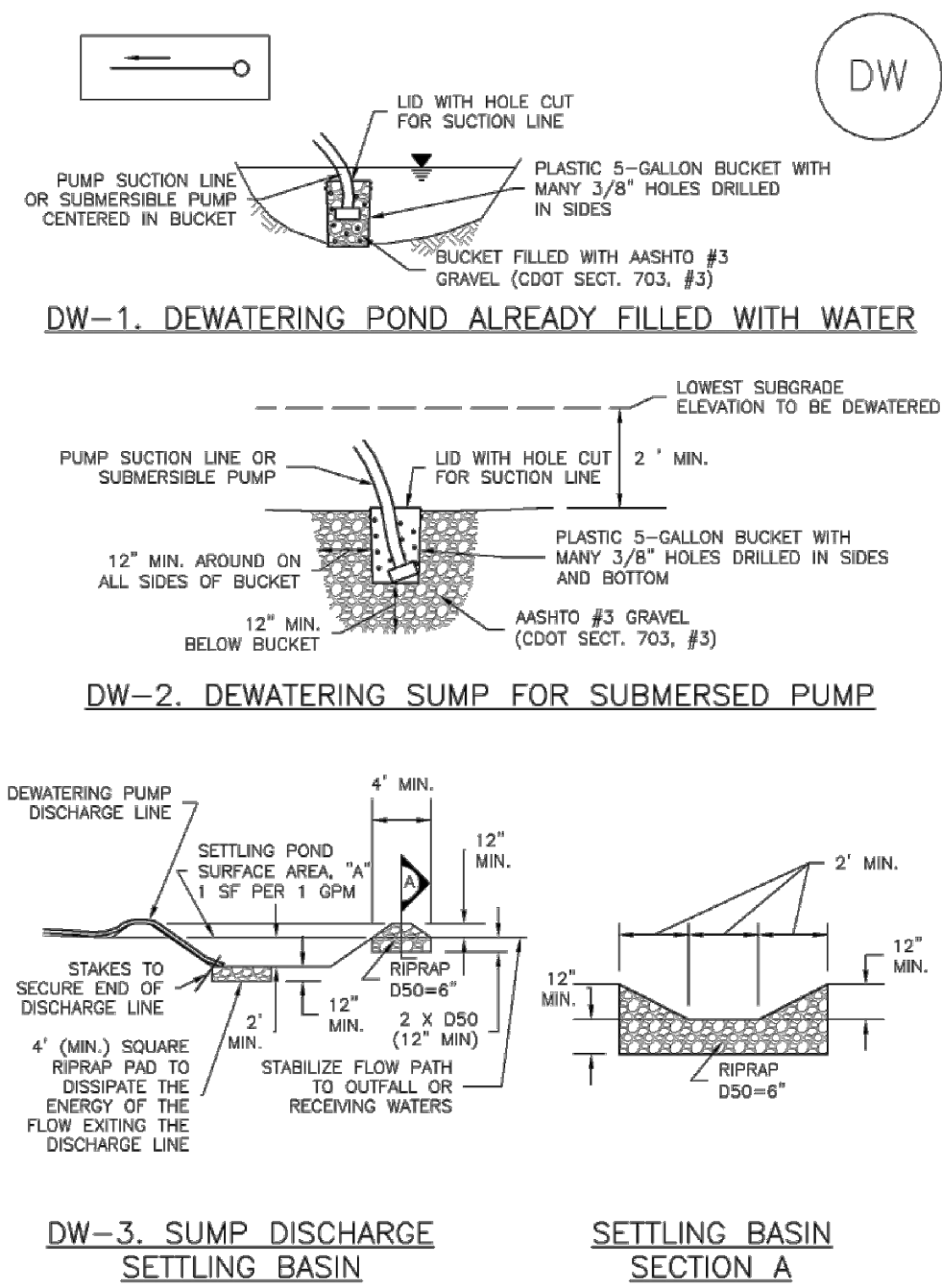
DRAWING NUMBER

ER-6
SHEET 29

NAME: N:\PROJECTS\W0708 - RIDGWAY\W0708.25001 - BEAVER CREEK DIVERSION\CAD\2 SHEETS\70825-1-S-EROSION-DETAILS.DWG
PLOT DATE: July 22, 2025 7:21 PM BY: MICHELLE HOPKINS

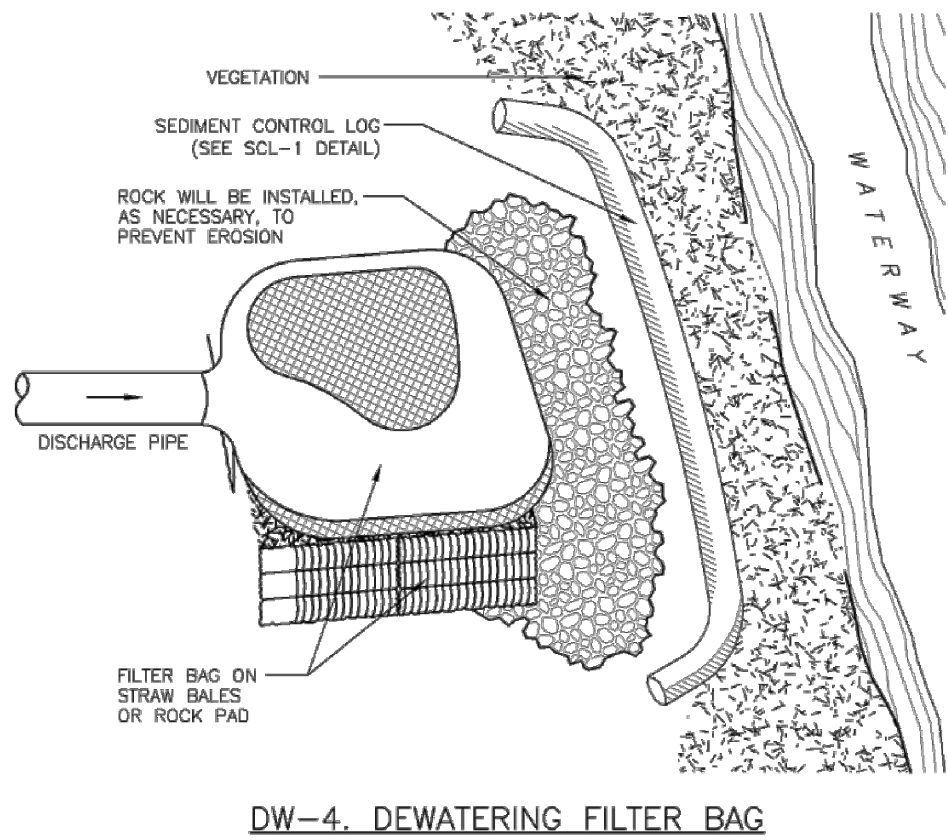
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PLOT DATE: July 22, 2025 7:21 PM, BY: MICHELLE HOPKINS

Dewatering Operations (DW) SM-9



November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 DW-3

SM-9 Dewatering Operations (DW)



- DEWATERING INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF DEWATERING EQUIPMENT.
 - TYPE OF DEWATERING OPERATION (DW-1 TO DW-4).
 - THE OWNER OR CONTRACTOR SHALL OBTAIN A CONSTRUCTION DISCHARGE (DEWATERING) PERMIT FROM THE STATE PRIOR TO ANY DEWATERING OPERATIONS DISCHARGING FROM THE SITE. ALL DEWATERING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT.
 - THE OWNER OR OPERATOR SHALL PROVIDE, OPERATE, AND MAINTAIN DEWATERING SYSTEMS OF SUFFICIENT SIZE AND CAPACITY TO PERMIT EXCAVATION AND SUBSEQUENT CONSTRUCTION IN DRY CONDITIONS AND TO LOWER AND MAINTAIN THE GROUNDWATER LEVEL A MINIMUM OF 2-Feet BELOW THE LOWEST POINT OF EXCAVATION AND CONTINUOUSLY MAINTAIN EXCAVATIONS FREE OF WATER UNTIL BACK-FILLED TO FINAL GRADE.

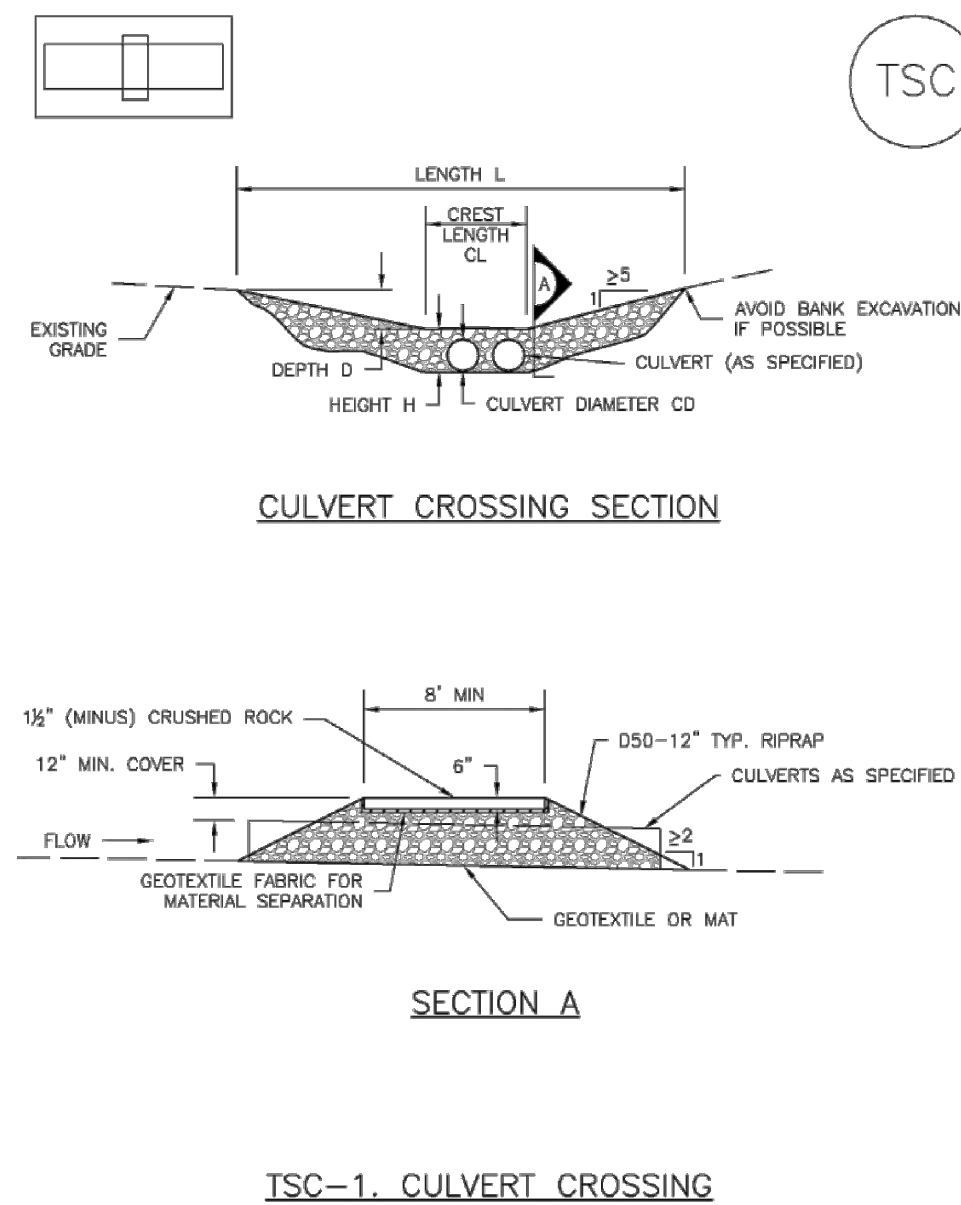
DW-4 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 November 2010

Dewatering Operations (DW) SM-9

- DEWATERING INSTALLATION NOTES**
4. DEWATERING OPERATIONS SHALL USE ONE OR MORE OF THE DEWATERING SUMPS SHOWN ABOVE, WELL POINTS, OR OTHER MEANS APPROVED BY THE LOCAL JURISDICTION TO REDUCE THE PUMPING OF SEDIMENT, AND SHALL PROVIDE A TEMPORARY SEDIMENT BASIN OR FILTRATION BMP TO REDUCE SEDIMENT TO ALLOWABLE LEVELS PRIOR TO RELEASE OFF-SITE OR TO A RECEIVING WATER. A SEDIMENT BASIN MAY BE USED IN LIEU OF SUMP DISCHARGE SETTLING BASIN SHOWN ABOVE IF A 4-FOOT-SQUARE RIPRAP PAD IS PLACED AT THE DISCHARGE POINT AND THE DISCHARGE END OF THE LINE IS STAKED IN PLACE TO PREVENT MOVEMENT OF THE LINE.
- DEWATERING MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - DEWATERING BMPs ARE REQUIRED IN ADDITION TO ALL OTHER PERMIT REQUIREMENTS.
 - TEMPORARY SETTLING BASINS SHALL BE REMOVED WHEN NO LONGER NEEDED FOR DEWATERING OPERATIONS. ANY DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

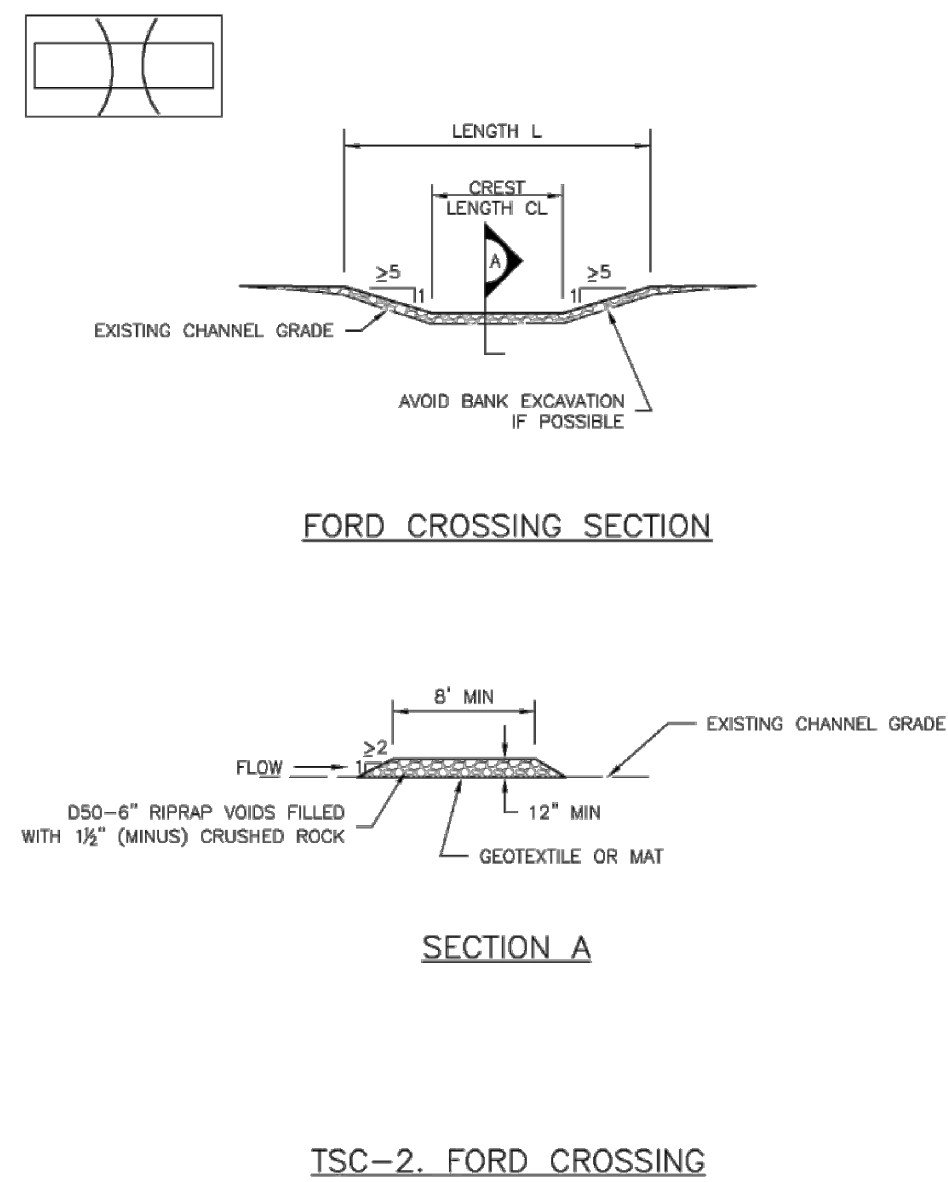
November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 DW-5

Temporary Stream Crossing (TSC) SM-10



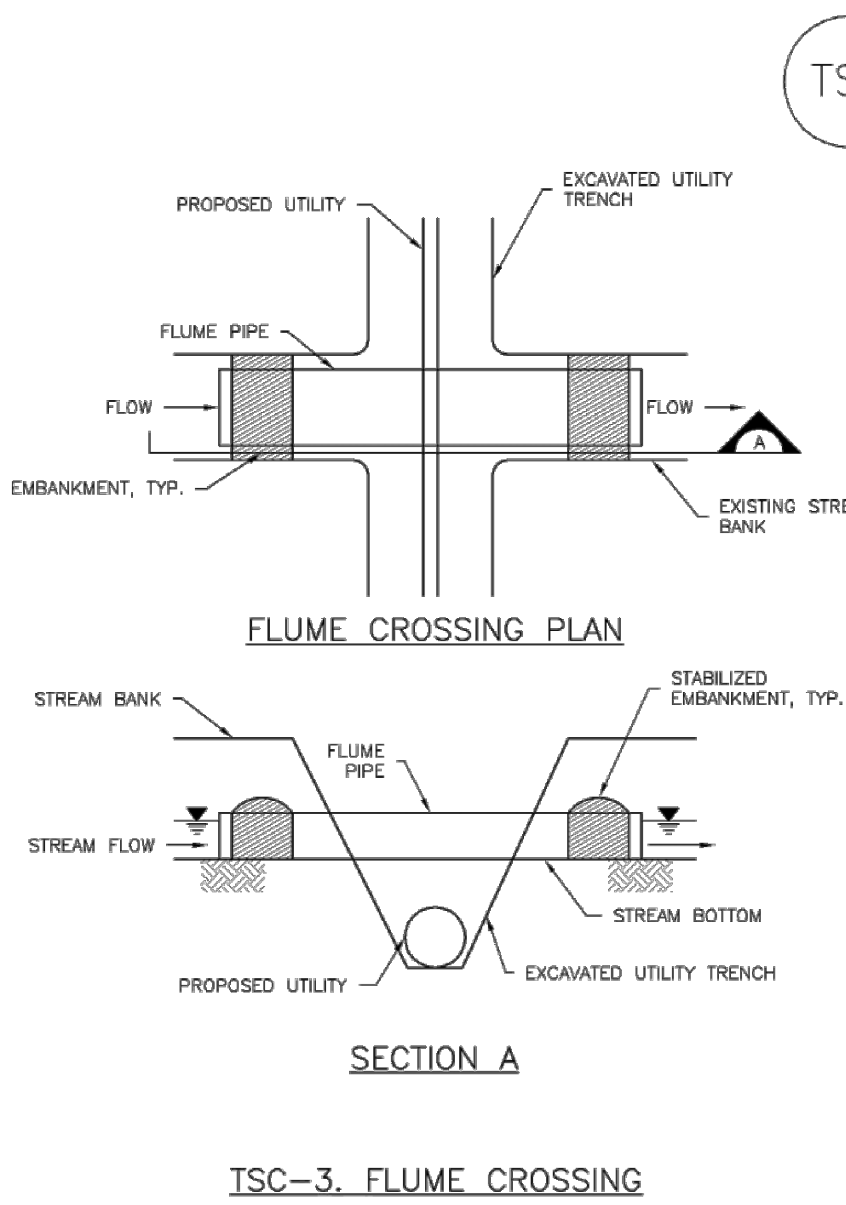
June 2012 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 TSC-3

SM-10 Temporary Stream Crossing (TSC)



TSC-4 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 June 2012

Temporary Stream Crossing (TSC) SM-10



June 2012 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 TSC-5

SM-10 Temporary Stream Crossing (TSC)

- TEMPORARY STREAM CROSSING INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATIONS OF TEMPORARY STREAM CROSSINGS.
 - STREAM CROSSING TYPE (FORD, CULVERT, OR FLUME).
 - FOR FORD CROSSING: LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 - FOR CULVERT CROSSING: LENGTH (L), CREST LENGTH (CL), CROSSING HEIGHT (H), DEPTH (D), CULVERT DIAMETER (CD), AND NUMBER, TYPE AND CLASS OR GAUGE OF CULVERTS.
 - TEMPORARY STREAM CROSSING DIMENSIONS, D50, AND NUMBER OF CULVERTS INDICATED FOR CULVERT CROSSINGS SHALL BE CONSIDERED MINIMUM DIMENSIONS. ENGINEER MAY ELECT TO INSTALL LARGER FACILITIES. ANY DAMAGE TO STREAM CROSSING OR EXISTING STREAM CHANNEL DURING BASEFLOW OR FLOOD EVENTS SHALL BE PROMPTLY REPAIRED.
 - SEE MAJOR DRAINAGE CHAPTER FOR RIPRAP GRADATIONS.
 - WHERE FAILURE OF A STREAM CROSSING CAN RESULT IN SIGNIFICANT DAMAGE OR HARM IT MUST BE DESIGNED BY A STRUCTURAL ENGINEER.
- TEMPORARY STREAM CROSSING MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - REMOVE SEDIMENT ACCUMULATED UPSTREAM OF CROSSING AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE CROSSING.
 - STREAM CROSSINGS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED AND SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION.
 - WHEN STREAM CROSSINGS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO (IN IDWG), NOT AVAILABLE IN AUTOCAD)

TSC-6 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 June 2012

DESIGNED	MAI/MH	RESPEC	720 S COLORADO BLVD		TOWN OF RIDGWAY 201 N RAILROAD ST RIDGWAY, CO 81432 (970) 626-5308
DRAWN	MTT	SUITE 410S	BEAVER CREEK DIVERSION RESTORATION		
CHECKED	MAI/MH	DENVER, CO 80246	EROSION CONTROL DETAILS (5 OF 5)		
DATE	06/24/2025	PHONE (303) 757-3855			
REVISION					DRAWING NUMBER:
					ER-7
					SHEET 30

AGENDA ITEM #2



To: Honorable Mayor Clark and Ridgway Town Council
From: Preston Neill, Town Manager
Date: July 22, 2025
Agenda Topic: **Release of Subdivision Improvement Agreement for Vista Park Commons**

ACTION BEFORE COUNCIL:

Council is asked to consider releasing the Subdivision Improvement Agreement and the associated irrevocable letter of credit for Vista Park Commons.

SUMMARY:

Council entered into a Subdivision Improvement Agreement with the developer of the Vista Park Commons subdivision on February 8, 2023. The terms of the Agreement have been fully met.

PROPOSED MOTION:

"I move to release the Subdivision Improvement Agreement for Vista Park Commons, and the associated irrevocable letter of credit, as terms of the Agreement have been met."

ATTACHMENTS:

Attachment 1 – Subdivision Improvement Agreement Vista Park Commons

Attachment 2 – First Amendment Subdivision Improvement Agreement Vista Park Commons

**SUBDIVISION IMPROVEMENT AGREEMENT
VISTA PARK COMMONS**

This Subdivision Improvement Agreement (this "Agreement"), dated as of February 8, 2023 (the "Effective Date") is made by and between TOWN OF RIDGWAY, COLORADO, a home-rule municipality under the laws of the State of Colorado (the "Town"), and VISTA PARK DEVELOPMENT, LLC, a Colorado limited liability company ("Vista Park"). The Town and Vista Park shall individually be referred to herein as a "Party" or collectively as the "Parties."

WHEREAS Vista Park is the owner of the following real property: Lots 30 – 34 of the final plat of the Ridgway Land Company Subdivision, according to the recorded plat filed October 9, 1990 at Reception No. 147701, Town of Ridgway, Ouray County, Colorado (the "Property"); and

WHEREAS, Vista Park prepared and submitted a final plat for a planned unit development in accordance with Section 7-4-11 of the Town of Ridgway Municipal Code (the "Municipal Code") on the Property: *VISTA PARK COMMONS – P.U.D. – REPLAT OF LOTS 30-34, RIDGWAY LAND COMPANY SUBDIVISION* (the "Final Plat"); and

WHEREAS, Vista Park submitted the Final Plat to the Town on ~~January 11, 2023~~ ^{September 26, 2022}; and

WHEREAS, Vista Park desires to install certain required? improvements subsequent to the Town's approval of the Final Plat; and

WHEREAS, the Town is willing to allow Vista Park to proceed with the installation of certain require? improvements in accordance with this Agreement.

NOW THEREFORE, in consideration of the promises contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows;

1. **Compliance With The Town Approvals and Town Acknowledgement of Approvals.** Vista Park agrees to comply with each of the terms and conditions of the Final Plat and this Agreement and any other site specific approvals for the Project and the applicable provisions of the Municipal Code. This Agreement shall be recorded and run with the Property.

2. **Outstanding Infrastructure Improvements.** Vista Park is required to undertake and complete certain infrastructure improvements in accordance with the Town Code and the Town's Standard Specification and Typical Drawings for Infrastructure Construction ("Town Standards"). The Town is willing to allow Vista Park to complete certain infrastructure improvements subsequent to the Town's approval of the Final Plat, as further detailed on Exhibit A, attached hereto and incorporated herein. Pursuant to Section 7-4-6(B) of the Town Code, the outstanding improvements shall be complete in two years, or by February 7, 2025.

3. **Irrevocable letter of Credit.** In order to meet certain timeframes and deadlines which have been established by Vista Park, the Town is willing to issue a limited building permit

for the Project, which shall be issued prior to Vista Park completing certain required improvements and conditions under the Town Design Guidelines, Town Standards, Municipal Code, Preliminary Plat and Final Plat. Based on the remaining Infrastructure Improvements, Vista Park shall provide to the Town an irrevocable letter of credit in the amount of one and one half times the estimated cost, as provided by the Town to complete the Infrastructure Improvements, which the Parties agree to be in the amount of \$214,500.00. The irrevocable letter of credit shall be released upon the completion of the Infrastructure Improvements and the satisfaction of all terms of this Agreement by Vista Park. Vista Park shall request an agenda item before the Ridgway Town Council in order to receive a release of the irrevocable letter of credit.

4. Representations and Warranties.

i. Town's Representations and Warranties. The Town represents and warrants that:

(a) Organization and Authority. The Town has the full right and has obtained any, and all consents required to authorize the Town to enter into this Agreement, consummate the transactions contemplated in this Agreement, and perform its other obligations under this Agreement.

(b) Authorization and Execution. This Agreement has been authorized and properly executed and constitutes the legal, valid and binding obligations of the Town, enforceable against the Town in accordance with its terms.

ii. Vista Park Representations and Warranties. Vista Park warrants that:

(a) Organization and Authority. Vista Park has the full right and authority and has obtained any, and all consents required to authorize Vista Park to enter into this Agreement, consummate the transactions contemplated in this Agreement, and perform its other obligations under this Agreement.

(b) Authorization and Execution. This Agreement has been authorized and properly executed and constitutes the legal, valid and binding obligations of Vista Park, enforced against Vista Park in accordance with its terms.

5. Project Completion. When the Project is substantially completed, the Town, the Project Engineer and Vista Park shall conduct an inspection of the Property to ensure compliance with the Preliminary Plat, Final Plat, Town Code, Town Standards, and this Agreement.

6. Notices. All notices, notifications and other communications required or permitted by this Agreement shall be in writing and shall be delivered by hand or email (with confirmation of receipt), to the Parties at their respective addresses listed below

7. Dispute Resolution. In the event any dispute between the Parties arises in connection with this Agreement, the Parties agree to submit the matter to non-binding mediation

or other such alternative dispute measure before filing any litigation claim. The Parties further agree that the non-prevailing Party, as determined by the mediator or adjudicator, shall pay to the prevailing Party, in addition to all sums that either Party may be called upon to pay, the prevailing Party's attorneys' fees (including the costs of in-house counsel) and costs related to prosecuting or defending the claim, whether or not an action is filed or prosecuted to judgment.

8. **Modification and Waiver.** No change, modification or waiver of any provision of this Agreement shall be valid or binding unless it is evidenced in writing, dated subsequent to the date hereof and signed by both Parties hereto. No waiver of any breach, term or condition of this Agreement by any Party shall constitute a subsequent waiver of the same or any other breach, term or condition.

9. **Governing Law.** This Agreement shall be governed by and construed in accordance with the internal laws of the State of Colorado, and venue shall lie exclusively in the courts located in Ouray County, Colorado.

10. **Entire Agreement.** This Agreement contains the entire agreement and understanding of the Parties with respect to the subject matter hereof, and no other representations, promises, agreements or understandings regarding the subject matter hereof shall be of any force or effect unless in writing, executed by both Parties hereto and dated on or after the date hereof.

11. **Headings.** The headings used in this Agreement are for convenience of reference only and shall not be deemed to limit, characterize or in any way affect the interpretation of any provision of this Agreement.

12. **Severability.** In case any one or more of the provisions contained herein for any reason shall be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision of this Agreement, but this Agreement shall be construed as if such invalid, illegal or unenforceable provision or provisions had never been contained herein.

13. **Warranties of Authority.** The Parties expressly warrant and represent to each other that they have the full right, title and authority to enter into this Agreement as provided herein, and that no approvals or consents of any other persons, entities or agencies are necessary to affect the same.

14. **Counterparts Signatures.** This Agreement may be executed in counterparts, all of which taken together shall constitute one agreement, and any Party may execute this Agreement by signing any such counterpart.

16. **Review.** This Agreement has been carefully read by the Parties, the contents hereof are known and understood by the Parties, and it is signed freely by each Party executing this Agreement.

17. **No Waiver of Governmental Immunity.** No provision of this Agreement shall act or be deemed to be a waiver by the Town or the Town of any provision of the Colorado

Governmental Immunity Act, CRS 24-10-101, et seq.

IN WITNESS WHEREOF, the Parties each have caused these presents to be executed in its corporate name and with its official seal hereunto affixed and attested by its duly authorized officials; and Vista Park Development, LLC, has caused these presents to be executed by its duly authorized officer, as of the date first above written.

TOWN:

VISTA PARK:

TOWN OF RIDGWAY, COLORADO,
a Colorado home-rule municipality

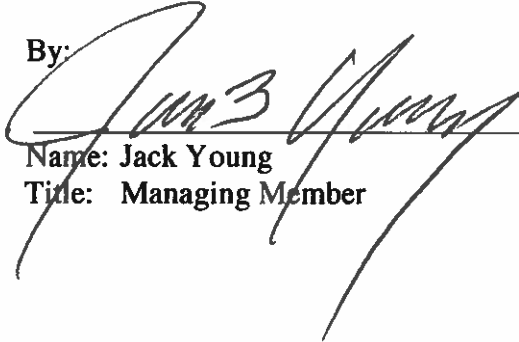
VISTA PARK DEVELOPMENT, LLC
a Colorado limited liability company

By:



Name: John Clark
Title: Mayor

By:



Name: Jack Young
Title: Managing Member

ATTACHMENT 1

EXHIBIT A
VISTA PARK COMMONS
SUBDIVISION IMPROVEMENT AGREEMENT
OUTSTANDING ITEMS

1. Moody Ditch
 - a. Joint Sealing & Conc Repairs to be completed the earlier of 4/30/23 or before the Moddy Ditch is in regular use
= \$15,000.00
2. Storm Water System Complete
 - a. Except Sod for Drywell – 4/30/2023
= \$10,000.00
3. Pavement
 - a. Crosswalk Markings – 7/31/2023
= \$5,000.00
4. Common Fencing-
 - a. 75% Complete - To be completed as each home is completed, or before 1/31/2025, and each building fence tied to Certificate of Occupancy ("CO").
= \$12,000.00
5. Permeable Paving for Parking Lot
 - a. To be Completed in Spring/Summer, 2023 or before CO issued
= \$40,000.00
6. Walkway lighting- Underground & bases Complete -(To be Completed in Spring/Summer, 2023 and prior to CO issued)
= \$3,000.00
7. Parking Lot Lighting - Underground Complete - (Install Poles & Lighting in Spring/Summer, 2023 and prior to CO)
= \$20,000.00
8. Common Area Landscaping
 - a. 58 Trees Planted I Grade & Berms Set / Irrigation is Complete - Balance of Landscape to be after Vertical Construction Exteriors and prior to CO
= \$38,000.00

ESTIMATED TOTAL OF OUTSTANDING REPAIRS = \$143,000.00

IRREVOCABLE LETTER OF CREDIT = \$214,500.00

**FIRST AMENDMENT
SUBDIVISION IMPROVEMENT AGREEMENT
VISTA PARK COMMONS**

This First Amendment to the Subdivision Improvement Agreement (this “Amendment”), is entered into this 13th day of November 2024 (the “Effective Date”) is made by and between TOWN OF RIDGWAY, COLORADO, a home-rule municipality under the laws of the State of Colorado (the “Town”), and VISTA PARK DEVELOPMENT, LLC, a Colorado limited liability company (“Vista Park”). The Town and Vista Park shall individually be referred to herein as a “Party” or collectively as the “Parties.”

WHEREAS Vista Park is the owner of the following real property: Lots 30 – 34 of the final plat of the Ridgway Land Company Subdivision, according to the recorded plat filed October 9, 1990 at Reception No. 147701, Town of Ridgway, Ouray County, Colorado (the “Property”); and

WHEREAS, Vista Park prepared and submitted a final plat for a planned unit development in accordance with Section 7-4-11 of the Town of Ridgway Municipal Code (the “Municipal Code”) on the Property: *VISTA PARK COMMONS – P.U.D. – REPLAT OF LOTS 30-34, RIDGWAY LAND COMPANY SUBDIVISION* (the “Final Plat”); and

WHEREAS, on February 8, 2023, the Parties entered into a Subdivision Improvement Agreement, granting Vista Park the ability to install certain improvements subsequent to the Town’s approval of the Final Plat (the “Original Agreement”); and

WHEREAS, the Parties wish to amend the Original Agreement granting Vista Park additional time to complete the improvements, and lowering the amount pledged under the Original Agreement

NOW THEREFORE, in consideration of the promises contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows;

1. **Outstanding Infrastructure Improvements.** Vista Park is required to undertake and complete certain infrastructure improvements in accordance with the Town Code and the Town’s Standard Specification and Typical Drawings for Infrastructure Construction (“Town Standards”). The Town is willing to allow Vista Park to complete certain infrastructure improvements subsequent to the Town’s approval of the Final Plat, as further detailed on Exhibit A, attached hereto and incorporated herein. Pursuant to Section 7-4-6(B) of the Town Code, the outstanding improvements shall be complete in two years, or February 7, 2025.

2. **Irrevocable letter of Credit.** In order to meet certain timeframes and deadlines which have been established by Vista Park, the Town is willing to issue a limited building permit for the Project, which shall be issued prior to Vista Park completing certain required improvements and conditions under the Town Design Guidelines, Municipal Code, Preliminary Plat and Final Plat. Based on the remaining Infrastructure Improvements, Vista Park shall provide to the Town

ATTACHMENT 2

an irrevocable letter of credit in the amount of one and one have times the estimated cost, as provided by the Town to complete the Infrastructure Improvements, which the Parties agree to the be in the amount of \$153,900.00. The irrevocable letter of credit shall be released upon the completion of the Infrastructure Improvements and the satisfaction of all terms of this Agreement by Vista Park. Vista Park shall request an agenda item before the Ridgway Town Council in order to receive a release of the irrevocable letter of credit.

3. **Original Agreement.** Unless modified herein, the remaining terms of the Original Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the Parties each have caused these presents to be executed in its corporate name and with its official seal hereunto affixed and attested by its duly authorized officials; and Vista Park Development, LLC, has caused these presents to be executed by its duly authorized officer, as of the date first above written.

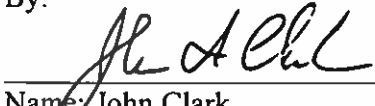
TOWN:

VISTA PARK:

TOWN OF RIDGWAY, COLORADO,
a Colorado home-rule municipality

VISTA PARK DEVELOPMENT, LLC
a Colorado limited liability company

By:



Name: John Clark
Title: Mayor

By:



Name: Jack Young
Title: Managing Member

ATTACHMENT 2

EXHIBIT A VISTA PARK COMMONS SUBDIVISION IMPROVEMENT AGREEMENT OUTSTANDING ITEMS

1. Moddy Ditch
 - a. Joint Sealing & Conc Repairs to be completed the earlier of 4/30/23 or before the Moddy Ditch is in regular use
= \$15,000.00
 2. Pavement
 - a. Crosswalk Markings – 7/31/2023
= \$5,000.00
 3. Common Fencing-
 - a. 75% Complete - To be completed as each home is completed, or before 1/31/2025, and each building fence tied to Certificate of Occupancy ("CO").
= \$12,000.00
 4. Permeable Paving for Parking Lot
 - a. To be Completed in Spring/Summer, 2023 or before CO issued
= \$40,000.00
 5. Walkway lighting- Underground & bases Complete -(To be Completed in Spring/Summer, 2023 and prior to CO issued)
= \$3,000.00
 6. Parking Lot Lighting - Underground Complete - (Install Poles & Lighting in Spring/Summer, 2023 and prior to CO)
= \$20,000.00
 7. Common Area Landscaping
 - a. 58 Trees Planted | Grade & Berms Set / Irrigation is Complete - Balance of Landscape to be after Vertical Construction Exteriors and prior to CO
= \$7,600
- ESTIMATED TOTAL OF OUTSTANDING REPAIRS = \$102,600
- IRREVOCABLE LETTER OF CREDIT = \$153,900

AGENDA ITEM #3

Ridgway IMPACT Accelerator Letter of Intent (LOI) Workpage

APPLICATION GUIDANCE

Thank you for your interest in the [Local IMPACT Accelerator Program](#)! Applicants are strongly encouraged to read the [Program Guidance](#) before submitting LOIs. The LOI period for Round 1 applications will close Friday, August 1st at 5pm MT. The Colorado Energy Office (CEO) will provide an 'encouraged' or 'discouraged' decision to applicants no later than Tuesday, September 30th at 5pm MT.

Applicants can submit questions about the Accelerator using the [IMPACT Accelerator Q&A form](#) until Tuesday, July 1st at 11:59 pm MT. CEO will post public responses to all questions received during the formal Q&A period by Monday, July 7th at 5pm MT. After July 1st, applicants should direct questions to Regional Coordinators. Answers to Q&A's, Regional Coordinator contact information, and webinar recordings will be available on the [IMPACT Accelerator webpage](#).

[Colorado Energy Office Accessibility Statement](#)

Please read the following before completing your application:

- Policies are initiatives that are passed by an elected body in your jurisdiction.
- Policy proposals must extend beyond state and local requirements.
- Applications should select from the policy/project lists in the Accelerator Guidance.
- Applicants cannot apply for project funding alone - a policy must be included.
- Applicants can apply for multiple policies and projects in a single application.
- Projects can be in the same sector or in a different sector as the proposed policy.
- Projects should demonstrate that they will support local policy.

SECTION 1 - CONTACT INFORMATION

Lead Applicant

First Name Preston

Last Name Neill

Type of Organization City

Please select... City County Tribe Cohort Led by a City/County

Only Colorado Cities, Counties and the Ute Mountain Ute and Southern Ute Indian Tribes are eligible to apply.

Entity Legal Name Town of Ridgway

Entity Preferred Name (optional)

Contact Email pneill@town.ridgway.co.us

Alternative Email (optional)

Contact Phone (970) 626-5308

Alternative Phone Number (optional)

County Ouray

Zipcode 81432

Is your jurisdiction within the Denver Regional Council of Governments (DRCOG) planning area and intending to apply for their Climate Pollution Reduction Grant funding?

Please select... No, I'm not in the DRCOG region Yes, I'm in DRCOG and I'm applying for DRCOG funds Yes, I'm in DRCOG but I am not applying for DRCOG fund

NO

Are you applying as part of a cohort?

NO

SECTION 2 - APPLICATION SUMMARY

Policy & Project Summary

For the overview below please use the following format and language:

My application includes passing a **[policy measure name]** through a vote by **[city council or other elected body]**. We are asking for project funds to **[project description]** (if

applying for project funds). In order to pass the policy, we will **[description of actions to pass policy]**. We intend to pass a **[policy type, i.e. ordinance, statute, etc.]** which will exceed existing state and local requirements by **[description of how policy exceeds requirements]**. The project work will support **[name of new or existing policy]** by **[description of project impact]**.

Please provide a 3-5 sentence high-level overview of your application, including all policies and projects you're applying for (using the suggested format and language above).

Our application includes passing an all-electric building energy code through a vote by Ridgway Town Council. We are asking for project funds to 1) implement comprehensive municipal building electrification retrofits, 2) establish a community incentive program for residential and business electrification technologies, and 3) develop enhanced permitting pathways and staff training programs to support code implementation. In order to pass the policy, we will conduct extensive community outreach and stakeholder engagement, provide technical training for town staff and local contractors, and demonstrate the benefits through municipal building case studies.

SECTION 3 - DETAILED POLICY & PROJECT DESCRIPTIONS

Policy Sectors

What policy sector(s) are you applying for (select all that apply)?

Buildings

Land Use

Transportation

Waste

What policy measure(s) are you applying for? (Check all that apply and review Accelerator Guidance Table 1 for the full description of each measure listed below).

Building Measure 1: Adopt Advanced Building Energy Code

Building Measure 2: Adopt Building Performance Standards

Land Use Measure 1: Become certified as an ADU supportive jurisdiction

Land Use Measure 1: Adopt ADU supportive land use regulations

Land Use Measure 2: Adopt multi-family/mixed-use supportive land use regulations

Land Use Measure 3: Adopt policies that protect land from development

Land Use Measure 3: Adopt financial disincentives that protect land from development

Land Use Measure 4: Eliminate minimum off-street parking requirements

Land Use Measure 4: Adopt parking management strategies

Land Use Measure 5: Adopt the EV Charging Model Land Use Code

Land Use Measure 6: Adopt renewable energy supportive land use regulations

Transportation Measure 1: Adopt robust complete streets policies

Transportation Measure 1: Adopt active transportation supportive design standards

Transportation Measure 1: Dedicate funding for active transportation facilities

Transportation Measure 2: Dedicate funding for transit priority improvements

Transportation Measure 2: Adopt plans that prioritize transit users

Transportation Measure 3: Require major developments to adopt TDM strategies

Transportation Measure 3: Require major employers to adopt TDM strategies

Transportation Measure 4: Adopt fees that encourage zero-emission vehicles

Waste Measure 1: Adopt an ordinance for universal recycling or composting

Waste Measure 1: Adopt a single or limited-hauler policy

Waste Measure 1: Adopt a Pay-As-You-Throw (PAYT) Policy

Waste Measure 1: Establish construction and demolition (C&D) diversion rules

Waste Measure 2: Establish a waste fleet procurement policy

None of the Above (may not be considered eligible if substantially different)

Please describe your policy effort in detail. What policy are you seeking to advance? Why did you choose this policy? What impact will advancing this policy have for your jurisdiction?

Policy Description: The Town of Ridgway is seeking to adopt an all-electric building energy code ordinance that requires electric space heating, water heating, and cooking in all new residential and commercial construction. This ordinance would prohibit new natural gas connections in buildings, following the successful models established by Crested Butte (2021) and Lafayette (2024). The policy goes beyond Colorado's Model Low Energy and Carbon Code.

Policy Selection Rationale: We chose this policy because it has been discussed since 2022 as an implementable climate action policy in our community, and we feel this grant opportunity gives us the funding to make it a reality. Our town's commitment to sustainability is evident through our recently adopted Net Zero by 2030 resolution, which commits the Town to achieve net-zero carbon emissions for all municipal operations by 2030 and aims to serve as an example for residents and businesses to achieve the same goal. We know that tangible, local demonstration is critical for getting our community on board.

The all-electric building code represents the highest-impact policy measure available (4-star emissions rating in CEO's guidance), providing maximum greenhouse gas reduction potential. Our Sustainability Advisory Board (SAB) has been planning to actively encourage the Town to add an amendment to the next building code adoption that would set a date by which all new construction in Ridgway must be all-electric. However in listening to some of our community members, we are recognizing the need for laying the foundation for requiring all-electric construction first. The municipal Net Zero resolution serves as the foundational policy catalyst that establishes the proof of concept and commitment necessary for successful all-electric code adoption. With this grant opportunity, we will plan to implement additional measures to build community support, and broad level stakeholder buy-in. The stakeholders include, the Town Planning Department, local architects and builders, current homeowners looking to remodel, and future land owners planning to build in the near future

Jurisdictional Impact: Advancing this policy will dramatically reduce our community's carbon emissions in alignment with our Climate Action Plan goals of reducing 50% of our emissions by 2030 and 90% by 2050. Building electrification will create healthier homes for our residents, as gas appliances emit pollutants that make indoor air often more polluted than outdoor air, with children in homes with gas stoves being 42 percent more likely to suffer asthma symptoms. For our local economy, building new all-electric homes is less expensive than mixed-fuel homes since they eliminate the need for gas connections (which carry a median price tag of nearly \$9,000) and use efficient heat pump systems for both

heating and cooling.

Additionally, our residents will benefit from declining costs of and existing incentives for efficient electric appliances like heat pumps while avoiding the soaring costs of maintaining aging gas infrastructure that would otherwise be passed on to customers over the next 50-plus years. Our approach to use municipal building electrification retrofits as proof-of-concept demonstrations will show residents and businesses that all-electric systems work effectively and cost-efficiently in our mountain climate before requiring them in private construction. This demonstration strategy will build community confidence and support while providing real-world case studies of successful electrification that can serve as a replicable model for other rural Colorado communities seeking to align local building codes with ambitious climate commitments.

Likelihood of Success

Please describe why you think your project will be successful, including:

- How you anticipate successfully adopting this policy
- If there are other policies/programs that build a foundation or support for the policy
- If you have support from an elected body
- Historical work completed to build support for the policy

Policy Adoption Strategy: Our path to success is built on a strategy of demonstration, not just declaration. We'll retrofit municipal buildings first as proof-of-concept projects, showing residents and contractors that all-electric systems work brilliantly in our mountain climate before requiring all-electric construction. Combined with comprehensive stakeholder outreach, access to real-world data and successful cost-effective precedent, and technical training programs, this approach turns skeptics into advocates through real-world results.

Our proposed strategy would be for Ridgway to adopt Colorado's model Low Energy and Carbon Code as planned by the end of this year (or early next) with most of the amendments in our regional package developed with the code cohort. This timing aligns with other jurisdictions' plans for adoption and allows time for the LECC to serve as a significant stepping stone toward an all-electric required code. We propose that Ridgway not adopt the optional all-electric amendment at this time, but instead utilize the Accelerator grant funding and measures outlined in the LOI to prepare the community for the all-electric code amendment to be adopted on a pre-planned future date in alignment

with this grant timeline. We believe this approach will lead to more informed stakeholders that will more easily embrace and support these new policies that extend beyond state and local requirements. We further believe that this approach will accelerate the intended benefits of the greenhouse gas reductions, providing more rapid impacts to the local environment and climate.

Strong Policy Foundation: We're not starting from scratch. Our recently adopted Net Zero by 2030 resolution creates the policy catalyst, while our Sustainability Advisory Board actively champions all-electric building requirements. Our participation in the regional Energy Code Cohort has already increased staff expertise, and our partnership with CEO's technical resources ensures we have the tools for successful implementation.

The Town of Ridgway has traditionally been and continues to be a leader in progressive policies, including adoption of a Prescriptive Energy Code and Green Building Standard in 2015 that established "beyond code" requirements, formal adoption of our regional Climate Action Plan in 2021, beginning annual purchases of "Totally Green" RECs from San Miguel Power Association, the local rural electric cooperative, in 2020 to offset municipal electricity use 100%, and more recently becoming a Founding member of Mountain Towns 2030 with our Net Zero municipal goal. [MT2030 | Mountain Towns 2030](#)

Proven Community Leadership: Our Town Council's adoption of the Net Zero resolution demonstrates strong elected support, while the SAB provides ongoing policy guidance and community advocacy. This institutional alignment creates a clear pathway from recommendation to adoption.

Track Record of Trust and Results: Change is hard in rural mountain towns like ours, but we have something in our favor: our track record. Our successful partnership with San Miguel Power Association has built community confidence in clean energy, while our collaboration with EcoAction Partners proves we can tackle complex environmental challenges together. Several of our Sustainability Advisory Board members were previous members of the Ridgway Ouray Community Council Energy Committee, which successfully supported energy infrastructure improvements in municipal buildings and the Ridgway High School, among other successful sustainability projects. Most importantly, we're committed to radical inclusion—our goal is that not one single resident can say "I wasn't included or consulted." We know that progress moves at the speed of trust, but also at the speed of demonstrated success. That's why we'll prove electrification works in our own buildings before implementing an all-electric building energy code..

Ambition/Exceedance of State and Local Requirements

Does your proposed policy exceed state and local requirements?

Yes

No

Describe how your policy extends beyond State minimum standards (adopting a policy that extends far beyond existing local and state requirements, adopting a forthcoming state requirement early, opting-in to optional state legislation, etc). How much farther does it go?

All-electric building energy code - Colorado's LECC aims to create equity between electric and natural gas use and it requires "electric readiness" in accordance with Colorado's model Electric Ready and Solar Ready codes, but it does not go so far as requiring all-electric buildings. Ridgway's policy would apply to all new construction, including applicable remodels and additions, advancing Ridgway's commitment toward climate action goals that include a community-wide transition to all-electric building energy use.

Net Zero by 2030 municipal commitment: Our municipal building electrification policy goes beyond any state requirements for municipal buildings. While Colorado has established building performance standards for large private buildings (HB21-1286), there are no state mandates for municipal building electrification or net-zero operations. Ridgway's commitment to achieve net-zero carbon emissions for all municipal operations by 2030 establishes a timeline and scope that exceeds state requirements by a full decade, as most state climate goals target 2040-2050 timeframes. Our comprehensive municipal retrofits create a demonstration program that supports private sector adoption while fulfilling commitments that go far beyond any existing state mandates for local government operations.

Policy Timeline

Anticipated policy work start date: January 1st, 2026

Since contracting with the state won't occur until early 2026, this date should be Jan 1, 2026 or later.

Anticipated policy adoption date: January 1st, 2028

How will you show your policy efforts are advancing within the first six months if awarded?

Within the first six months we will demonstrate meaningful progress toward all-electric building code adoption through these concrete milestones:

Town Council Engagement (January-March 2026):

- Prepare the SAB to present the all-electric building code amendment to Town Council at a formal meeting, with agenda documentation showing policy discussion
- Secure Town Council direction to proceed with an initiative for future consideration of adoption for all-electric requirement and community engagement process

Policy Implementation Framework Development (March-April 2026):

- Develop implementation timeline and compliance pathways for the all-electric building energy code based on the Energy Code Cohort work
- Coordinate with EcoAction Partners on technical assistance, all-electric study analysis and policy development strategy, documented through partnership agreements and work plans

Community Outreach and Stakeholder Engagement (Ongoing throughout 2026-2029):

- Partner with EcoAction Partners for comprehensive community outreach and stakeholder engagement
- Leverage our existing contractor and community network relationships expanded through our participation in the regional Energy Code Cohort
- Host several public outreach meetings and tabling events specifically focused on the all-electric building energy code amendment, with documented flyers, attendance records, and summary reports of public input
- Host technical roundtable discussions/workshops with the building community

Municipal Building Proof-of-Concept Implementation (March-December 2026):

- Initiate Energy Performance Contracting (EPC) process with CEO's program, select pre-qualified Energy Service Company (ESCO) and contract for Investment Grade

Audit (IGA) to assess municipal buildings and develop guaranteed maximum price retrofit proposals.

- Present EPC study results and cost analysis to Town Council for approval of retrofit implementation based on ESCO recommendations and guaranteed savings projections.
- Begin retrofitting municipal buildings with all-electric systems (heat pumps, electric water heaters, electric municipal equipment etc.) as demonstration projects following Town Council approval, providing contractor agreements, installation schedules, and progress documentation.

Are you applying for policy funding or both policy and project funding?

Please select... Policy Funding (Only) Both Policy & Project FundingJurisdictions cannot apply for project funding alone.

SECTION 4 - FEDERAL REQUIREMENTS

Construction & Contractors

The Accelerator is generally not funding construction projects but may make some allowances if construction efforts are unavoidable. However, construction triggers federal requirements for grantees, contractors, and CEO, including tracking wages. Hiring a contractor to install equipment could also trigger certain federal requirements.

Does your project involve construction or hiring a contractor for equipment installations?

YES (dropdown)

Quality Assurance Project Plans

Having looked at the Accelerator Guidance and Appendix E (a list of what might trigger the need to develop a Quality Assurance Project Plan) do you expect your application will involve collecting and using environmental information (e.g. environmental data)?

NO (dropdown)

Equipment & Materials

Do you plan to purchase any equipment or materials? (e.g. heat pumps, vehicles, laptop computers, or software)

YES (dropdown)

Other Federal Requirements

The Terms & Conditions cover many other federal regulations but many may not relate to your project. These include the National Historic Preservation Act, the Archeological and Historic Preservation Act, the Endangered Species Act, and the Farmland Protection Policy Act. Do any of these apply to your project?

NO (dropdown)

Project latitude and longitude (if known):

38.1526° N, 107.7556° W

Section 5 - BUDGET & MATCH

Budgets

As described in the Accelerator Guidance, you will be asked to provide three budgets. This includes a Standard Budget (up to \$2 million), a fiscally Constrained Budget (about 25% of the standard budget) and a Vision Budget (costs over you standard budget up to \$5M). If awarded funds, you will need to explain each budget by task.

Use the following format for the question above to help break down expected tasks:

Task 1 - Title and short description (e.g. a few words or a sentence that explains the task),

Task 2 - Title and short description,

Task 3 - Title and short description,

Task 4 - Title and short description,

Task 5 - (Add as many tasks as needed)

Outline the major Scope of Work tasks if awarded the Standard Budget:

Task 1 - All-Electric Building Code Amendment Adoption - Finalize ordinance language, legal review, Town Council presentation(s), adoption process and timeline

Task 2 - Community Outreach and Stakeholder Engagement - Partner with EcoAction Partners for comprehensive community engagement, town halls, contractor trainings, and stakeholder meetings

Task 3 - Municipal Building Electrification Retrofits - Replace Town Hall gas boiler with cold climate heat pump and heat pump water heater, retrofit additional municipal buildings with electric heating/cooling systems. Document energy and cost analysis from municipal retrofits to serve as real-world case studies for community education

Task 4 - Permitting and Implementation Support - Develop permitting pathways, staff training programs, and compliance resources for new all-electric building energy code

Task 5 - Community Electrification Incentive Program - Model after the successful Telluride Green Grants program which has been managed by EcoAction Partners for five years and reduces financial barriers for heat pumps, electric water heaters, and other electrification technologies

Task 6 - Municipal Fleet and Equipment Electrification Pilot - Replace one Public Works pickup with EV and pilot electric grounds maintenance equipment (string trimmers, blowers, mowers) with battery management systems

Outline additional Scope of Work tasks if awarded your Vision Budget:

Task 7 - Renewable Energy Infrastructure - Solar installations at municipal buildings and Green Street Sustainability Park. These solar systems will provide the renewable energy offset to the all electric energy use, enabling and completing the vision for Net Zero.

Task 8 - Advanced Energy Storage Systems - Battery storage systems to support municipal renewable energy and grid resilience, where applicable and feasible.

Task 9 - Comprehensive Community Beneficial Electrification Plan - Develop community-wide electrification roadmap with enhanced incentive programs

Task 10 - Regional Replication and Technical Assistance - Support other rural communities in adopting similar policies and share lessons learned

Outline Scope of Work tasks that would remain if only awarded your Constrained Budget:

Task 1 - All-Electric Building Code Development and Adoption (reduced scope)

Task 2 - Community Outreach and Stakeholder Engagement

Task 3 - Municipal Building Demonstration Project - Town heating systems retrofit only

Task 4 - Basic Staff Training and Permitting Pathway Development

Constrained Budget (\$) 500,000

Standard Budget (\$) 2,000,000

Vision Budget (\$) 5,000,000

Match Funds

Applicants are required to provide 5% match (e.g. leveraged funds) unless they qualify for 0% match. Select your anticipated match

Please select... 5% match; we do not explicitly direct any funds to low-income groups 5% match; we direct some funds to low-income groups (but not enough to qualify for 0% match) 0% match; my jurisdiction is completely made up of qualifying low-income census block groups 0% match; my application will direct at least 40% of the funds to qualifying low-income census blocks groups 0% match; I am applying on behalf of the Ute Mountain Ute or Southern Ute Indian Tribe

Unsure how to figure out low-income requirements? See "Appendix D - Low-Income Match Verification" in the Accelerator Guidance and learn how to use EnviroScreen2.0 to verify low-income eligibility.

If you do not qualify for 0% match, do you anticipate being able to provide 5% match for each of the three budget amounts?

Please select... Yes No Not sure N/A; I qualify for 0% match Will your match be all cash, or a mix of cash and in-kind?

Please select... Match will be cash Match will be cash (at least 50%) and in-kind (up to 50%) N/A; I qualify for 0% match

Funding Need

Provide a description of the need for funding from the Colorado Energy Office (CEO) to pass the proposed policy(ies) and implement project(s). Describe how the proposed policy and/or project would not be achievable without CEO funding or would be enhanced or improved with CEO funding.

The all-electric building code concept has been a priority of key SAB members and council members for years, but we've lacked the funding and supporting code structure necessary for successful implementation. While our Net Zero by 2030 resolution demonstrates political will, the community outreach and incentive programs essential for success have no current funding pathway. Award of these funds will be the catalyst and springboard to achieving our aggressive goals.

Critical Implementation Needs: CEO funding enables comprehensive community engagement through EcoAction Partners, municipal building retrofits that serve as proof-of-concept demonstrations, and community electrification incentives modeled after Telluride's successful Green Grants program. Our small municipality is already deeply committed with other outreach and technical initiatives and cannot provide the technical assistance, permitting pathway development, and professional outreach needed to build community trust and reduce financial barriers to implementing policies and projects to reach our climate action goals. This funding will enable us to hire contracted services to expand our capacity and successfully implement these policies.

Without CEO funding, we would be limited to policy adoption without the community engagement, demonstration projects, and incentive programs that transform good intentions into effective implementation - it is likely that without sufficient outreach, trainings and incentives, the adoption will be unsupported and thereby unsuccessful.

SECTION 6 - ADDITIONAL INFORMATION

Sustained Impact

Describe the likelihood that this application, if funded, will have a sustained impact. This can include ongoing committed funding to support the effort after grant funds are expended, demonstrated long-term support from stakeholders, likelihood of the policy being repealed in the future, how the policy/project aligns with long-term planning efforts, etc.

Our application has exceptional likelihood for sustained impact due to strong institutional foundations and long-term alignment with community planning efforts.

Policy Permanence: Building codes rarely face repeal once adopted, especially when aligned with state requirements like Colorado's Model Low Energy and Carbon Code. Our policy is anchored by the formally adopted Net Zero by 2030 resolution, Ridway's commitment to meet goals in the regional Climate Action Plan, and the outreach, education and project opportunities afforded through this grant funding, creating a durable framework and community buy-in to last beyond election cycles.

Ongoing Support Infrastructure: Municipal building retrofits create permanent infrastructure with ongoing operational savings. The community incentive program will transition to sustainable funding through continued local foundation support, utility partnerships with San Miguel Power Association and future state programs. Local contractors trained through our programs become ongoing advocates for electrification and transition their business toward electric technologies.

Strategic Alignment: The policy directly implements our Net Zero resolution, actions in our regional Climate Action Plan, and aligns with regional clean energy initiatives. Our partnership with EcoAction Partners provides technical and community engagement assistance beyond the grant period, while our demonstration approach creates a replicable model that generates regional momentum reinforcing local commitment.

Stakeholder Support

Describe your plan for public engagement, including specific groups you may target, why and any relevant historical public engagement activities. If you

plan to engage with low-income communities, please also describe those efforts.

This does not need to be lengthy but should cover your key constituents and plans for engagement.

Target Groups and Approach:

- **Local contractors and developers** - Technical training sessions and roundtables to build implementation capacity and address concerns about new requirements
- **Homeowners and renters** - public forums and tabling events explaining benefits, timeline, and available incentives
- **Sustainability advocates** - Working through our active Sustainability Advisory Board and existing environmental networks

Commitment to Inclusion: Our goal remains that "not one single town resident can say they weren't included or consulted." EcoAction Partners will help ensure culturally appropriate outreach materials and multiple engagement opportunities to accommodate different schedules and communication preferences.

Risk Mitigation

What risks have you identified that could prevent your policy and/or project efforts from succeeding?

Community Resistance: Rural mountain communities, with mixed demographics, can be skeptical of new regulations, particularly those affecting private property. We mitigate this through our "demonstration first" approach—retrofitting municipal buildings as proof-of-concept before asking residents to comply. Our extensive community engagement ensures concerns are heard and addressed early, while our Green Grants incentive program modeled after Telluride's successful model reduces financial barriers that often drive opposition.

Timeline Pressures: Coordinating policy development, community engagement, and technical implementation within grant timelines requires careful project management. Our

established relationships through the Energy Code Cohort and partnership with EcoAction Partners provide experienced support to keep efforts on track.

Market Availability: Supply chain issues or equipment availability could delay municipal retrofits. We mitigate this through early procurement planning and flexible implementation schedules that allow adaptation to market conditions while maintaining overall project momentum. Upfront contractor engagement and trainings ensure the necessary financial incentive for the local workforce to embrace, adopt and promote the new technologies.

How will you mitigate risks that may prevent your efforts from being successful? Specifically include how you will mitigate the risk that your policy effort does not pass, any project management concerns and whether you've successfully completed similar work before.

Community Resistance: We mitigate this through our "demonstration first" approach—retrofitting municipal buildings as proof-of-concept before asking residents to comply. Our extensive community engagement through EcoAction Partners ensures concerns are heard and addressed early, while our Green Grants incentive program modeled after Telluride's successful model reduces financial barriers that often drive opposition. If initial policy adoption faces resistance, we have flexibility to adjust implementation timelines while maintaining core electrification requirements.

EcoAction Partners brings extensive experience in addressing concerns of community members, municipal staff, and elected officials in order to gain community-wide support and engagement in order to initiate changes aligned with our climate action goals. EcoAction also successfully manages community-specific contract work with other regional governments in order to increase climate initiative implementation capacity and bring building energy and sustainability programming technical expertise to their partners. We look forward to expanding our partnership with EcoAction in this way.

Timeline Pressures: Our partnership with EcoAction Partners brings eighteen years of regional grant administration and implementation experience, including proven project management expertise from managing the previous Governor's Energy Office Main Street Efficiency Program on a region-wide basis, a one-time San Miguel County community grant

program, and Telluride's Green Grants program for five years. We'll establish clear project milestones with regular CEO staff check-ins and contingency planning. Our existing relationships through the Energy Code Cohort reduce coordination challenges, while our three-tier budget structure allows scaling to available funding without compromising core objectives.

Market Availability: We mitigate this through early procurement planning, flexible implementation schedules, and backup equipment options that allow adaptation to market conditions while maintaining overall project momentum. Our partnership with experienced contractors through the Energy Code Cohort provides multiple sourcing options, and our phased approach allows adjustment of retrofit timelines based on equipment availability without derailing policy development efforts.

Matching Funds: As this initiative will span several years, the Town Council will need to provide regular annual appropriations to maintain the grant matching requirements and support the successful realization of the aggressive goals. Fortunately the Town Council has a proven progressive track record to date and will leverage the generous grant funding to maintain a continuum of support and advance the policy adoptions and project implementation..

Will you be able to provide all the necessary attachments in the Full Application if encouraged to proceed? Required attachments will include:

- Letter from City Council (or similar entity)
- Commitment of match funding (if you do not qualify for 0% match and it is not already included in the letter from City Council)
- Letters of support (required for cohorts; preferred for all)
- Screenshot of EnviroScreen2.0 and/or a GIS map if you qualify for 0% match
- A detailed budget spreadsheet with budget breakdown by task
- Copy of the jurisdictions' DRCOG application (If applicable)

Please select... Yes, I can provide all applicable attachments for the Full Application No, I will have a problem with one or more of these requirements

Is there anything else you want to tell CEO that was not covered above?

Is there anything you wish to upload at this time (not required)?

Please select... Yes, I'd like to upload one or more files for reference No, not now