

Contract Drawings For

Colorado Springs Utilities

Northern Monument Creek Interceptor and Middle Tributary Lift Station Interceptor Connection

Issued For Construction

HDR Project No. 10393769
EPC EDARP File No. CDR266

Colorado Springs, Colorado
May 2026



COLORADO SPRINGS UTILITIES WASTEWATER PLAN DESIGN APPROVAL	
PROJECT NUMBER: _____	
WORK ORDER NUMBER: _____	
CSU SHEET ____ OF ____	
APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.	

WASTEWATER SERVICES DIVISION ENGINEERING SUPPORT	
APPROVED FOR CONSTRUCTION	
BY: _____	DATE _____
COLORADO SPRINGS UTILITIES PM	
BY: _____	DATE _____
COLORADO SPRINGS UTILITIES PTL	
BY: _____	DATE _____
CSU WW PIPELINE OPERATIONS	
BY: _____	DATE _____
CSU OPERATIONS ENGINEERING GROUP	

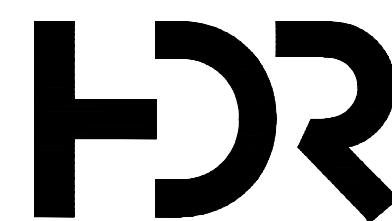
Strikethrough = Not for El Paso County review

NMCI SHEET LIST

GENERAL	
00G000	COVER
00G001	SHEET LIST
00G002	NOTES
00G003	GENERAL LEGEND
00G004	CIVIL LEGEND
00G005	ABBREVIATIONS
00G006	SOIL BORINGS LOG
00G007	MANHOLE TABLE
00G008	INVERTED SIPHON MANHOLE TABLE
00G009	POTHOLE TABLE
00G010	AIRFIELD RESTRICTIONS
00G011	SURVEY CONTROL
00G012	SHEET LAYOUT (1 OF 2)
00G013	SHEET LAYOUT (2 OF 2)
NORTHERN MONUMENT CREEK INTERCEPTOR	
01C100	PLAN AND PROFILE - STA 0+52.22 TO STA 9+00
01C101	PLAN AND PROFILE - STA 9+00 TO STA 20+50
01C102	PLAN AND PROFILE - STA 20+50 TO STA 33+50
01C103	PLAN AND PROFILE - STA 33+50 TO STA 46+00
01C104	PLAN AND PROFILE - STA 46+00 TO STA 58+00
01C105	PLAN AND PROFILE - STA 58+00 TO STA 70+50
01C106	PLAN AND PROFILE - STA 70+50 TO STA 92+50
01C107	PLAN AND PROFILE - STA 92+50 TO STA 105+00
01C108	PLAN AND PROFILE - STA 105+00 TO STA 117+00
01C109	PLAN AND PROFILE - STA 117+00 TO STA 142+50
01C110	PLAN AND PROFILE - STA 142+50 TO STA 155+00
01C111	PLAN AND PROFILE - STA 155+00 TO STA 167+50
01C112	PLAN AND PROFILE - STA 167+50 TO STA 180+00
01C113	PLAN AND PROFILE - STA 180+00 TO STA 202+50
01C114	PLAN AND PROFILE - STA 202+50 TO STA 215+00
01C115	PLAN AND PROFILE - STA 215+00 TO STA 227+00
01C116	PLAN AND PROFILE - STA 227+00 TO STA 239+50
01C117	PLAN AND PROFILE - STA 239+50 TO STA 266+00
01C118	PLAN AND PROFILE - STA 266+00 TO STA 278+50
01C119	PLAN AND PROFILE - STA 278+50 TO STA 291+00
01C120	PLAN AND PROFILE - STA 291+00 TO STA 303+50
01C121	PLAN AND PROFILE - STA 303+50 TO STA 330+00
01C122	PLAN AND PROFILE - STA 330+00 TO STA 354+00
01C123	PLAN AND PROFILE - STA 354+00 TO STA 366+50
01C124	PLAN AND PROFILE - STA 366+50 TO STA 379+00
01C125	PLAN AND PROFILE - STA 379+00 TO STA 391+50
01C126	PLAN AND PROFILE - STA 391+50 TO STA 419+50
01C127	PLAN AND PROFILE - STA 419+50 TO STA 432+00
01C128	PLAN AND PROFILE - STA 432+00 TO STA 444+50
01C129	PLAN AND PROFILE - STA 444+50 TO STA 457+50
01C130	PLAN AND PROFILE - STA 457+50 TO STA 500+50
01C131	PLAN AND PROFILE - STA 500+50 TO STA 513+00
01C132	PLAN AND PROFILE - STA 513+00 TO STA 526+00
01C133	PLAN AND PROFILE - STA 526+00 TO STA 538+00
01C134	PLAN AND PROFILE - STA 538+00 TO STA 565+50
01C135	PLAN AND PROFILE - STA 565+50 TO STA 578+00
01C136	PLAN AND PROFILE - STA 578+00 TO STA 587+62.67
01D501	DETAILS
01D502	DETAILS
01D503	DETAILS
01D504	DETAILS
01D505	DETAILS
01D506	CATHODIC PROTECTION DETAILS

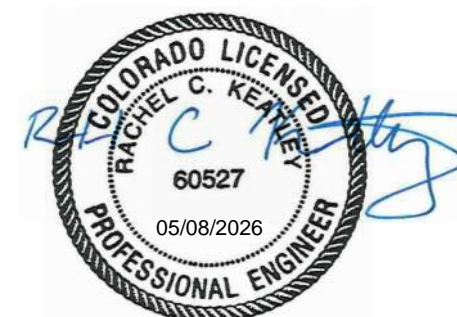
01D507	TUNNEL DETAILS
01D508	TUNNEL DETAILS
01D509	INSTRUMENTATION AND MONITORING - NMCI I-25 CROSSING
01D510	INSTRUMENTATION AND MONITORING - INDUSTRIAL DRIVE CROSSING
01D511	INSTRUMENTATION AND MONITORING - SOUTH GATE CROSSING
01D512	INSTRUMENTATION AND MONITORING - MTL SI I-25 CROSSING
01D513	INSTRUMENTATION AND MONITORING - 60-INCH WATERLINE CROSSING
INVERTED SIPHON	
02C101	KETTLE CREEK CROSSING
02C102	BLACK SQUIRREL CREEK CROSSING
02C103	BLACK SQUIRREL CREEK CROSSING
02C104	MIDDLE TRIBUTARY CROSSING
02C105	MONUMENT BRANCH CROSSING
02C106	MONUMENT BRANCH CROSSING
02C107	SMITH CREEK CROSSING
02C108	SMITH CREEK CROSSING
02D401	DOWNSTREAM OUTLET STRUCTURES - ENLARGED PLAN
02D402	UPSTREAM INLET STRUCTURES - ENLARGED PLAN
02D401	DOWNSTREAM OUTLET STRUCTURES LAYOUT
02D402	UPSTREAM INLET STRUCTURES LAYOUT
02D301	DOWNSTREAM OUTLET STRUCTURES SECTIONS
02D302	UPSTREAM INLET STRUCTURES SECTIONS
02D501	DETAILS
02D502	DETAILS
02D701	DOWNSTREAM INVERTED SIPHON - STRUCTURES ISOMETRIC VIEW
02D702	UPSTREAM INVERTED SIPHON - STRUCTURES ISOMETRIC VIEW
MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR	
03C101	PLAN AND PROFILE - STA 10+00 TO STA 17+00
03C102	PLAN AND PROFILE - STA 17+00 TO STA 23+30
03C801	PARTIAL PLAN & PROFILE AND LIFT STATION SITE DEMOLITION PLAN
03D501	DETAILS
SITE ACCESS	
04C101	SITE ACCESS PLAN (1 OF 11)
04C102	SITE ACCESS PLAN (2 OF 11)
04C103	SITE ACCESS PLAN (3 OF 11)
04C104	SITE ACCESS PLAN (4 OF 11)
04C105	SITE ACCESS PLAN (5 OF 11)
04C106	SITE ACCESS PLAN (6 OF 11)
04C107	SITE ACCESS PLAN (7 OF 11)
04C108	SITE ACCESS PLAN (8 OF 11)
04C109	SITE ACCESS PLAN (9 OF 11)
04C110	SITE ACCESS PLAN (10 OF 11)
04C111	SITE ACCESS PLAN (11 OF 11)
SWMP/GEC	
05C001	NOTES
05C002	COLORADO SPRINGS & USAFA NOTES
05C003	EL PASO COUNTY NOTES
05C004	STORM WATER MANAGEMENT PLAN - DETAILS
05C005	STORM WATER MANAGEMENT PLAN - DETAILS
05C006	STORM WATER MANAGEMENT PLAN - DETAILS
05C007	STORM WATER MANAGEMENT PLAN - DETAILS
05C008	STORM WATER MANAGEMENT PLAN - DETAILS
05C009	STORM WATER MANAGEMENT PLAN - DETAILS
05C101	STORM WATER MANAGEMENT PLAN - STA 00+00 TO STA 20+50
05C102	STORM WATER MANAGEMENT PLAN - STA 20+50 TO STA 46+00
05C103	STORM WATER MANAGEMENT PLAN - STA 46+00 TO STA 70+50

05C104	STORM WATER MANAGEMENT PLAN - STA 70+50 TO STA 92+00
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05C302	STORM WATER MANAGEMENT PLAN - MTL SI STA 17+00 TO STA 23+30
05C303	STORM WATER MANAGEMENT PLAN - MTL SI SITE ACCESS
05C401	STORM WATER MANAGEMENT PLAN - ACCESS ROUTE TO STAGING AREA 1
05C402	STORM WATER MANAGEMENT PLAN - ACCESS ROUTE TO STAGING AREA 3



ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



GENERAL SHEET LIST
FILENAME | 00G001.DWG
SCALE | NO SCALE

SHEET
00G001

GENERAL NOTES

- EXISTING SEWERS, WATER MAINS, GAS MAINS, TELEPHONE CONDUITS, ELECTRIC CABLES, AND OTHER UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION AND QUANTITIES OF BURIED UTILITIES AND STRUCTURES SHOWN. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR BUT IS NOT GUARANTEED TO BE EITHER CORRECT OR COMPLETE AND ALL RESPONSIBILITY FOR THE ACCURATE COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL MAKE SUCH INVESTIGATION AS NECESSARY TO VERIFY ITS CORRECTNESS AND COMPLETENESS. THE CONTRACTOR SHALL FIELD LOCATE AND PROTECT, AHEAD OF EXCAVATION, ALL UNDERGROUND UTILITIES AND STRUCTURES SO THAT THEY WILL NOT BE ACCIDENTALLY CUT OR DAMAGED BY CONSTRUCTION OPERATION.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ANY EXISTING SURFACE FEATURES AND IMPROVEMENTS ENCOUNTERED DURING EXCAVATION OR DISTURBED BY CONSTRUCTION ACTIVITIES (FENCING, UTILITIES, ASPHALT OR GRAVEL PAVEMENT, RIP-RAP, ETC...) TO THEIR ORIGINAL CONDITION (OR BETTER) AND COORDINATING THIS ACTIVITY WITH THE APPROPRIATE PARTY. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER AND SHALL APPLY TO ALL EXISTING IMPROVEMENTS WHETHER SHOWN ON THE PLANS OR NOT.
- "SCREENED" (LIGHT) DELINEATION INDICATED ON THE DRAWINGS DENOTES EXISTING FACILITIES. "SCREENED" INFORMATION WAS TAKEN FROM EXISTING CONSTRUCTION DRAWINGS AND DATA. IS FOR REFERENCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE ORDERING OF MATERIAL AND BEGINNING OF CONSTRUCTION. "BOLD" DELINEATION IS NEW WORK TO BE CONSTRUCTED UNDER THIS CONTRACT OR FUTURE WORK BY OTHERS AS INDICATED.
- CONTRACTOR SHALL CONFINE ALL CONSTRUCTION DISTURBANCES, STAGING, PARKING AND MATERIAL STORAGE TO PERMITTED LIMITS OF DISTURBANCE AND THE SPACE(S) DESIGNATED ON THE DRAWINGS. PERMANENT AND TEMPORARY EASEMENTS WILL BE OBTAINED BY COLORADO SPRINGS UTILITIES. PROVIDING ADDITIONAL STORAGE OR PARKING SHALL BE THE RESPONSIBILITY OF AND PAID FOR BY THE CONTRACTOR. ALL LAND SHALL BE RETURNED TO THE OWNER(S) IN THE SAME OR BETTER CONDITION. PROVIDE UTILITIES AND ENGINEER WITH RECORD OF INDEPENDENT AGREEMENTS.
- CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY PRECISE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND STRUCTURES, WHETHER INDICATED ON THE DRAWINGS OR NOT, IN THE FIELD IN ADVANCE OF EXCAVATING, BY CONTACTING ALL UTILITIES AND OTHER AGENCIES, AND BY PROSPECTING. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, DEMOLITION, RECONSTRUCTION, AND RECONNECTION OF EXISTING FACILITIES AS REQUIRED TO COMPLETE THE WORK. IF REQUIRED AFTER FIELD VERIFICATION, CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE ANY NECESSARY MODIFICATIONS TO PROPOSED NEW WORK. BEFORE CONSTRUCTION IS STARTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER OF EACH UTILITY AND DEFINE THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT, OR RELOCATION OF ANY UTILITIES AFFECTED BY THE PROPOSED NEW WORK.
- SPECIAL CONSTRUCTION REQUIREMENTS, TEMPORARY PROTECTIVE FENCING OR BARRICADES, SHEETING, SHORING, EROSION PROTECTION, AND SURFACE RESTORATION AT CERTAIN LOCATIONS ARE INDICATED ON THE DRAWINGS TO BRING CONTRACTOR'S ATTENTION TO SENSITIVE AREAS.
- THE LOCATION OF BORE HOLES INDICATED ON THE DRAWINGS IS APPROXIMATE. REFER TO THE GEOTECHNICAL REPORT FOR ACTUAL TEST HOLE LOCATIONS AND THE FINDINGS OF THE GEOTECHNICAL INVESTIGATIONS.
- STRUCTURES SUCH AS CURBS AND GUTTERS, CONCRETE AND ASPHALT DRIVES AND WALKWAYS, PAVING BRICKS, FENCING, RETAINING WALLS, ETC., CROSSED BY THE PIPELINE(S) ARE NOT ALL INDICATED ON THE PLANS. CONTRACTOR SHALL RESTORE ANY EXISTING STRUCTURES THAT ARE DISTURBED, DAMAGED OR REMOVED BY CONSTRUCTION. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND INCLUDE ALL COSTS FOR THIS WORK IN BID.
- HORIZONTAL STATIONING ALONG THE PIPELINE ALIGNMENT IS FOR LEVEL LINE MEASUREMENT AND FOR PAYMENT OF THE PIPELINES. CONTRACTOR SHALL PROVIDE THE ACTUAL PIPE LENGTH TO BE DETERMINED BY THE SLOPE OR CURVE ON WHICH THE PIPE IS INSTALLED.
- CONFINE ALL CONSTRUCTION DISTURBANCES TO WITHIN PERMITTED LIMITS OF DISTURBANCE SHOWN ON THE DRAWINGS.
- WHERE POSSIBLE ALL OPEN CUT ROADS AND STREETS SHALL HAVE A MINIMUM OF ONE LANE OPEN AT ALL TIMES FOR EMERGENCY ACCESS. PROVIDE TWO WAY TRAFFIC CONTROL AND/OR DETOUR AT ALL OPEN CUT ROAD WORK. CONTRACTOR SHALL OPEN CUT EXISTING GRAVEL AND ASPHALT SURFACED ROADS WHERE INDICATED ON THE DRAWINGS. THICKNESS AND TYPE OF REPLACEMENT ASPHALT, BASE COURSE, AND AGGREGATE ROAD BASE SHALL BE AS SPECIFIED AND SHALL, AT A MINIMUM, MATCH EXISTING SURFACING.
- REMOVE AND REPLACE ALL EXISTING FENCING DISTURBED BY CONSTRUCTION ACTIVITIES ALONG THE ENTIRE PIPELINE ROUTE, WHETHER OR NOT IT IS IDENTIFIED ON THE DRAWINGS. INVENTORY THE VARIOUS TYPES AND QUANTITIES OF FENCING ALONG THE ALIGNMENT AND INCLUDE COSTS IN THE BID TO COMPLETELY REMOVE AND REPLACE THE FENCING AS REQUIRED TO CONSTRUCT THE PIPELINES. REPLACEMENT FENCING SHALL MATCH ORIGINAL FENCING AND SHALL BE CONSTRUCTED OF ENTIRELY NEW MATERIALS UNLESS OTHERWISE APPROVED IN ADVANCE BY THE OWNER.
- CONSTRUCTION IS SUBJECT TO THE RULES, REGULATIONS AND STANDARDS OF THE UNITED STATES AIR FORCE ACADEMY AND COLORADO SPRINGS UTILITIES.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING THE SEQUENCE OF CONSTRUCTION.
- REFER TO SPECIFICATION SECTION 01 41 00 AND THE GENERAL CONDITIONS FOR REQUIREMENTS OF OWNER-OBTAINED PERMITS. CONTRACTOR SHALL OBTAIN ALL OTHER PERMITS NECESSARY FOR CONSTRUCTION OF THE WORK.
- PIPING SHALL BE LAID TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.
- CONTRACTOR REQUIRED TO APPLY FOR AND OBTAIN CONSTRUCTION DEWATERING PERMIT FROM CDPHE. DEWATERING PLAN MUST BE SUBMITTED TO COLORADO SPRINGS UTILITIES FOR REVIEW.
- CONTRACTOR REQUIRED TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS FOR ALL WORK PERFORMED WITHIN STREET RIGHT-OF-WAY.
- FLOODPLAIN LINEWORK SHOWN IS BASED ON KNOWN FLOODPLAIN DATA. BLACK FOREST CREEK IS A FEMA REGULATORY ZONE AE FLOODPLAIN WITH FLOODWAY. ALL OTHER MAJOR CREEK CROSSINGS TRAVERSE KNOWN FLOODPLAINS, BUT ARE NOT OFFICIALLY DESIGNATED.
- THE CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER DISCHARGE PERMIT.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "FUGITIVE DUST EMISSIONS ASSOCIATED WITH CONSTRUCTION ACTIVITIES" CDPHE, AIR POLLUTION CONTROL DIVISION, APCD-SSB1, ATT: LAND DEVELOPMENT PERMITTING SECTION, PHONE (303) 692-3150.
- TRAFFIC CONTROL DEVICES SHALL MEET STANDARDS OF CDOT STANDARD SPECIFICATIONS.

- AT LEAST FOUR WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITIES THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW. THE PLAN SHALL BE PREPARED BY A CERTIFIED TRAFFIC CONTROL SUPERVISOR. NO WORK SHALL BEGIN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN PLACED IN ACCORDANCE WITH THE APPROVED PLAN. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THE TRAFFIC CONTROL DEVICES FOR THE ENTIRE DURATION OF THE PROJECT. CONTRACTOR MAY BE REQUIRED TO PROVIDE TWO WEEKS ADVANCE NOTICE TO IMPACTED USERS INCLUDING EMERGENCY RESPONSE ENTITIES FOR TRAFFIC IMPACTS.
- THE CONTRACTOR SHALL APPLY AND PAY FOR ALL RIGHT-OF-WAY PERMITS REQUIRED FOR THE WORK.
- THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AND UTILITY OWNERS IN WRITING 72 HOURS PRIOR TO ANY CONSTRUCTION OR SHUT-OFF IN SERVICE. THE NOTICES MUST HAVE THE CONTRACTOR'S PHONE NUMBER AND NAME OF THE CONTACT PERSON, AND EMERGENCY PHONE NUMBER FOR AFTER HOURS CALLS. TO INCLUDE CITY DAY-TIME AND EMERGENCY CONTACT INFORMATION.
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF THE WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATION HEALTH AND SAFETY ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION".
- THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY THE SUBSURFACE CONDITIONS OF THE SOIL ALONG THE ROUTE OF WORK AND SHALL PROVIDE DEWATERING EQUIPMENT NECESSARY TO PERFORM WORK ACCORDING TO THE CONSTRUCTION DOCUMENTS.
- WASTE MATERIALS SHALL BE DISPOSED OF BY CONTRACTORS AT NO ADDITIONAL EXPENSE TO THE OWNER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A DISPOSAL SITE FOR THE UNUSED MATERIAL, DEMOLITION MATERIAL, AND HAZARDOUS WASTE MATERIAL.
- NO EMBEDMENT MATERIAL SHALL BE PLACED ABOVE THE SPRINGLINE OF THE PIPE UNTIL A UTILITIES REPRESENTATIVE HAS AUTHORIZED BACKFILLING. IT SHALL BE THE DUTY OF THE CONTRACTOR TO NOTIFY UTILITIES 48 HOURS IN ADVANCE OF PROPOSED BACKFILL OPERATIONS SO A UTILITIES REPRESENTATIVE MAY INSPECT PIPE AND THE EMBEDMENT PRIOR TO BACKFILLING.
- ALL MATERIALS, WORKMANSHIP, CONSTRUCTION DETAILS, AND TESTING SHALL CONFORM TO THE WASTEWATER LINE EXTENSION AND SERVICE STANDARDS, 2023 EDITION BY COLORADO SPRINGS UTILITIES. IN THE EVENT A DETAIL SHOWN IN THESE BIDDING DOCUMENTS CONFLICTS WITH A UTILITIES STANDARD, THE BID DOCUMENT SHALL GOVERN.
- ALL DISTURBANCES TO EXISTING ROADWAY, SIDEWALK, CURB OR GUTTER, INCLUDING SURFACE DAMAGE TO PAVEMENT OR STRIPING, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- COLORADO SPRINGS UTILITIES MAINTAINS RIGHT OF ACCESS ACROSS USAFA PROPERTY FOR INSTALLING AND MAINTAINING INFRASTRUCTURE PER AGREEMENT EXECUTED AND ACCEPTED BETWEEN ENTITIES ON MARCH 16, 2010. SEPARATE INTERCEPTOR EASEMENT INSTRUMENT RECORDED AT REC. NO. _____
- EL PASO COUNTY PARCELS 6305300001 AND 6218101001 ARE CONSIDERED CITY OF COLORADO SPRINGS PROPERTY UNDER COLORADO SPRINGS UTILITIES CONTROL. NO EASEMENTS ARE REQUIRED ON THESE PARCELS.

COLORADO SPRINGS UTILITIES VARIANCE SUMMARY

THE FOLLOWING VARIANCES HAVE BEEN APPROVE FOR THIS PROJECT:

ID	VARIANCE
586	A CASING PIPE SHALL BE PROVIDED APPROXIMATELY BETWEEN STATION 62+11.27 AND 62+61.27 WHICH SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYMER MORTAR PIPE. THE CASING WILL BE 48" IN DIAMETER.
555	ALLOW SR35 PVC PIPE. INCLUDE 30-INCH SIZE.
549	ALLOW J&S AS A SUITABLE MANUFACTURER OF ECCENTRIC PLUG VALVES FOR THIS PROJECT.
544	ALLOW POLYMER CONCRETE MANHOLES AT SELECT LOCATIONS AS REQUESTED/ COORDINATED BY THE PROJECT DESIGN TEAM, UTILITIES OPERATIONS AND MAINTENANCE TEAM.
499	ALLOW USE OF C900 DR18 PIPE. INCLUDE 12-INCH SIZE.
487	ALLOW ALL APPROVED WASTEWATER MAIN MATERIALS FOR THE PROJECT UNDER DRAINAGE CROSSINGS, RATHER THAN JUST DIP. CONCRETE ENCASUREMENT SHALL NOT BE REQUIRED WHEN COVER OVER PIPE EXCEEDS SCOUR ANALYSIS RECOMMENDATIONS.
481	ALLOW TRACER WIRE TO BE INSTALLED IN BACKFILL ZONE, ADJACENT TO WARNING TAPE FOR DEPTHS EXCEEDING 20 FEET.
480	ALLOW UP TO 2,400 FEET BETWEEN INVERTED SIPHON STRUCTURES AND UP TO 700 FEET BETWEEN MANHOLES AT TRENCHLESS CROSSING LOCATIONS.
479	ALLOW UP TO 600 FEET BETWEEN MANHOLES AT STA 45+47 TO STA 50+98, STA 498+26 TO STA 504+26 AND STA 517+46 TO STA 522+91.
477	WAIVE ACCESS ROAD AND ASSOCIATED TURNAROUND AREA REQUIREMENTS.
476	ALLOW A MINIMUM SLOPE OF 0.2%.
474	USE NAVD 88 VERTICAL DATUM ON PLANS.
438-01	ALLOW FIBERGLASS REINFORCED POLYMER MORTAR (FRPM) IN SN 46 AND 72.
438-02	STANDARDIZE TO A 0.2-FOOT DROP THROUGHOUT ALL GRAVITY MANHOLES ALONG INTERCEPTOR.
438-03	ALLOW 4 FOOT BURY AT CONNECTION TO EXISTING MAINS.
438-04	ALLOW UP TO 45 FEET BURY DEPTH WITH SPECIFIC PIPE MATERIAL AND ENGINEERED BEDDING RECOMMENDATIONS.
438-05	ALLOW HORIZONTAL DIRECTION DRILLING METHOD USING HDPE. CONCRETE ENCASEMENT SHALL NOT BE REQUIRED WHERE HDD IS TO OCCUR.
438-06	ALLOW 5 INVERTED SIPHONS TO BE DESIGNED AND CONSTRUCTED.
438-07	ALLOW DR 9 HDPE PIPE. INCLUDE 12, 14, 16, 18, 20, 24-INCH NOMINAL DIAMETERS (DIPS) FOR THE SIPHON PIPES.
438-08	ALLOW SUBSTITUTION OF BULKHEAD WITH GROUTED ANNULUS FOR SEALING END OF CASING.
438-09	ALLOW 30-INCH DIAMETER RING, COVER, AND RISER/ADJUSTMENT RINGS.
438-10	ALLOW TRACER WIRE TEST STATIONS LOCATED NEXT TO MANHOLES.

COLORADO SPRINGS UTILITIES WASTEWATER PLAN NOTES

THE CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES' INSPECTIONS OFFICE (NORTH: 668-4396 OR SOUTH: 668-4658) A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

GENERAL

- ALL CONSTRUCTION METHODS AND MATERIALS SHALL MEET COLORADO SPRINGS UTILITIES' WASTEWATER LINE EXTENSION AND SERVICE STANDARDS (WASTEWATER STANDARDS).
- THE CONTRACTOR SHALL OBTAIN LOCATES PRIOR TO ANY EXCAVATION.
- COLORADO SPRINGS UTILITIES DOES NOT GUARANTEE THE ACCURACY OF LOCATIONS OF EXISTING PIPELINES, MANHOLES AND SERVICE LINES. IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AND THE ENGINEER OF RECORD IMMEDIATELY.
- NO TREES OR STRUCTURES ARE PERMITTED WITHIN FIFTEEN FEET (15') OF A WASTEWATER MAIN.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ANY FACILITIES AS A RESULT OF THEIR ACTIONS, THE CONTRACTOR SHALL MAKE ALL THE REQUIRED REPAIRS IMMEDIATELY TO THE SATISFACTION OF COLORADO SPRINGS UTILITIES.
- ALL FIELD STAKING SHALL COMPLY WITH THE WASTEWATER STANDARDS.
- THE CONTRACTOR SHALL ENSURE THAT WASTEWATER SERVICE TO ADJACENT PROPERTIES IS MAINTAINED DURING CONSTRUCTION.
- EXCEPT AS DENOTED WITHIN THESE PLANS, ALL MANHOLES LOCATED WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISH GRADE. IF MANHOLES ARE IN POOR CONDITION OR IF THE DISTANCE BETWEEN THE RING/COVER AND CONE OF THE MANHOLE EXCEEDS THE WASTEWATER STANDARDS, THE CONTRACTOR MAY BE REQUIRED TO REPLACE PART OR ALL OF THE EXISTING MANHOLES.
- REUSE OR SALVAGE OF ANY MATERIAL IS LEFT TO THE DISCRETION OF THE COLORADO SPRINGS UTILITIES INSPECTOR.
- ALL TRENCH BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS MANUAL OR SPECIFICATION 31 23 33, WHICHEVER IS MORE STRINGENT.

WASTEWATER PROJECT - SPECIFIC NOTES

APPLICABLE

NON-APPLICABLE

- CORROSION PROTECTION IS REQUIRED FOR ALL DUCTILE IRON PIPE. ALL PROTECTION SHALL COMPLY WITH THE WASTEWATER STANDARDS.
- THIS PROJECT IS CONNECTING TO AN EXISTING MANHOLE. A MANHOLE ASSESSMENT HAS BEEN COMPLETED FOR THIS PROJECT. THE FOLLOWING CHECKED ITEMS ARE REQUIRED:
 - THE CONTRACTOR SHALL PROVIDE A BYPASS PUMPING PLAN FOR APPROVAL BY COLORADO SPRINGS UTILITIES AND COMPLY WITH ALL THE REQUIREMENTS THEREIN.
 - REPAIR THE EXISTING MANHOLE (REFER TO PLAN AND PROFILE FOR REQUIREMENTS).
 - REPLACE THE EXISTING MANHOLE (REFER TO PLAN AND PROFILE FOR REQUIREMENTS).
- MANHOLES ARE BEING ABANDONED, THE CONTRACTOR SHALL:
 - PLUG THE "IN" AND "OUT" INVERTS WITH A WATERTIGHT MECHANICAL PLUG AND GROUT WITH APPROVED MATERIAL.
 - REMOVE AND DISPOSE OF THE CONE SECTION.
 - REMOVE THE RING AND COVER AND RETURN THEM TO COLORADO SPRINGS UTILITIES.
 - FILL THE MANHOLE WITH APPROVED MATERIAL.
- WASTEWATER MAINS EXISTS UNDERNEATH A PROPOSED STRUCTURE, CONTRACTOR SHALL:
 - REMOVE IT
 - GROUT IT FULL
- WASTEWATER MAIN TO BE ABANDONED EXISTS WITHIN RIGHT-OF-WAY, THE CONTRACTOR SHALL:
 - REMOVE IT
 - GROUT IT FULL
- PIPELINES LESS THAN 1.04% GRADE ARE PROPOSED. THE CONTRACTOR SHALL COMPLY WITH THE ADDITIONAL REQUIREMENTS AS SPECIFIED WITHIN THE WASTEWATER STANDARDS OR THE PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- THIS PROJECT IS UTILIZING EXISTING WASTEWATER STUB(S) IN AN "AS-IS" CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE STUB(S), CONNECTION, AND SUBSEQUENT EXTENSION MEET ALL CURRENT WASTEWATER STANDARDS AND DO NOT HAVE ANY DEFECTS.
- COLORADO SPRINGS UTILITIES DOES NOT GUARANTEE THE ACCURACY OF THE DEPTH, LOCATION, OR CONDITION OF ANY EXISTING STUB(S) SHOWN ON ANY "AS CONSTRUCTED" DRAWINGS. FURTHER, THE EXISTING STUB SHALL BE INCLUDED IN THE TWO-YEAR WARRANTY PERIOD FOR THIS PROJECT.
- A WASTEWATER STUB OR STUBS ARE PROPOSED WITH THIS PROJECT. COLORADO SPRINGS UTILITIES WILL INSPECT THE CONSTRUCTION BUT DOES NOT GUARANTEE THAT THE DESIGN OR INSTALLATION OF THE PROPOSED STUB(S) WILL MEET FUTURE DEVELOPMENT REQUIREMENTS. FURTHER, THE PROPOSED STUB(S) WILL NOT BE INCLUDED IN THE TWO-YEAR WARRANTY PERIOD FOR THIS PROJECT AND WILL NOT BE ACCEPTED OR OWNED BY COLORADO SPRINGS UTILITIES.
- UNDERDRAIN REVIEW BY THE CITY ENGINEERING DIVISION IS FOR SYSTEM SEPARATION AND DISCHARGE TO OPEN DRAINAGE OR STORM SEWER. THE PUBLIC WORKS DEPARTMENT AND COLORADO SPRINGS UTILITIES ARE NOT RESPONSIBLE FOR UNDERDRAIN SYSTEM MAINTENANCE



ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



COLORADO SPRINGS UTILITIES NORTHERN MONUMENT CREEK INTERCEPTOR AND MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR CONNECTION

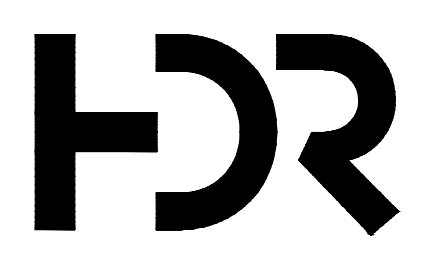


GENERAL NOTES

FILENAME | 00G002.DWG
SCALE | NO SCALE

SHEET
00G002

MATERIALS IN PLAN/SECTION	GENERAL SYMBOLOGY	IDENTIFICATION SYMBOLOGY	SHEET NAMING CONVENTION																																				
<p>ASPHALT (PLAN OR SMALL-SCALE SECTION)</p> <p>ASPHALT (LARGE-SCALE SECTION)</p> <p>CONCRETE (PLAN AND/OR SECTION)</p> <p>DEMOLITION (PLAN AND/OR SECTION)</p> <p>EARTH (SECTION)</p> <p>GRANULAR FILL (SECTION)</p> <p>METAL (SECTION)</p> <p>PRECAST CONCRETE (PLAN AND/OR SECTION)</p> <p>RIPRAP (PLAN AND/OR SECTION)</p> <p>SAND (SECTION)</p> <p>SOD (SECTION)</p> <p>WETLAND</p> <p>USAFA AIRFIELD - 1000' CLEAR ZONE</p> <p>USAFA AIRFIELD - 2000' CLEAR ZONE</p> <p>USAFA AIRFIELD - APZ 1</p> <p>USAFA AIRFIELD - APZ 2</p> <p>PREBLE'S MOUSE HABITAT</p>	<p>LINE INDICATES DIRECTION OF PLAN NORTH</p> <p>ARROW INDICATES DIRECTION OF TRUE NORTH</p> <p>PLAN 1" = 5'</p> <p>PLAN TITLE</p> <p>ARROW INDICATES DIRECTION OF SECTION CUT</p> <p>SECTION LETTER</p> <p>SHEET WHERE SECTION IS LOCATED</p> <p>FULL BUILDING SECTION CUT MARKER</p> <p>FLAG INDICATES DIRECTION OF SECTION CUT</p> <p>SECTION LETTER</p> <p>SHEET WHERE SECTION IS LOCATED</p> <p>SECTION CUT MARKER</p> <p>SECTION LETTER</p> <p>1" = 5'</p> <p>SHEET WHERE SECTION VIEW IS FIRST CUT*</p> <p>SECTION</p> <p>SECTION TITLE</p> <p>DETAIL NUMBER</p> <p>SHEET WHERE DETAIL IS LOCATED*</p> <p>DETAIL MARKER</p> <p>FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.</p> <p>XXXXXXXX</p> <p>DETAIL MARKER</p> <p>FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.</p> <p>DETAIL NUMBER</p> <p>1" = 5'</p> <p>SHEET WHERE DETAIL IS LOCATED*</p> <p>DETAIL</p> <p>DETAIL TITLE</p> <p>* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-):</p> <ol style="list-style-type: none"> FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS. SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON. 	<p>ARROW INDICATES POINT OF VIEW</p> <p>ELEVATION NUMBER</p> <p>INTERIOR</p> <p>EXTERIOR</p> <p>SHEET WHERE ELEVATION IS LOCATED*</p> <p>SINGLE ELEVATION OR PHOTO MARKER</p> <p>ARROW INDICATES POINT OF VIEW</p> <p>ELEVATION NUMBER</p> <p>SHEET WHERE ELEVATION IS LOCATED*</p> <p>MULTIPLE ELEVATION OR PHOTO MARKER</p> <p>ELEVATION IDENTIFICATION NUMBER</p> <p>1" = 5'</p> <p>SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND*</p> <p>ELEVATION</p> <p>ELEVATION TITLE</p> <p>TARGET ELEVATION</p> <p>ARCHITECTURAL</p> <p># SHEET KEYNOTE</p> <p>/# REVISION DELTA</p>	<p>AREA DESIGNATION</p> <p>00 GENERAL</p> <p>01 NORTHERN MONUMENT CREEK INTERCEPTOR</p> <p>02 INVERTED SIPHON</p> <p>03 MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR</p> <p>04 SITE ACCESS</p> <p>05 SWMP/GE</p> <p>DISCIPLINE DESIGNATOR & DISCIPLINE ORDER</p> <p>G GENERAL</p> <p>D DETAILS</p> <p>DRAWING TYPE DESIGNATOR</p> <p>0 GENERAL (SYMBOLS, LEGENDS)</p> <p>1 PLANS</p> <p>2 ELEVATIONS/PROFILES</p> <p>3 SECTIONS</p> <p>4 LARGE SCALE VIEWS</p> <p>5 DETAILS</p> <p>6 SCHEDULES AND DIAGRAMS</p> <p>7 OTHER VIEWS</p> <p>EXAMPLE</p> <p>CIVIL GRADING PLAN, SHEET 01</p> <table border="1"> <tr> <td>0</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>AREA 01</td> </tr> </table> <p>AREA DESIGNATION</p> <table border="1"> <tr> <td></td> <td></td> <td>C</td> <td></td> <td></td> <td></td> <td>CIVIL DISCIPLINE</td> </tr> </table> <p>DISCIPLINE DESIGNATOR</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>PLAN SHEET TYPE</td> </tr> </table> <p>SHEET TYPE DESIGNATOR</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>1</td> <td>SHEET NUMBER 01</td> </tr> </table> <p>SHEET NUMBER</p> <table border="1"> <tr> <td>0</td> <td>1</td> <td>C</td> <td>1</td> <td>0</td> <td>1</td> <td>SAMPLE SHEET NUMBER</td> </tr> </table>	0	1					AREA 01			C				CIVIL DISCIPLINE				1			PLAN SHEET TYPE					0	1	SHEET NUMBER 01	0	1	C	1	0	1	SAMPLE SHEET NUMBER	<p>GENERAL NOTES</p> <ol style="list-style-type: none"> THIS IS A STANDARD SHEET SHOWING COMMON SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
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ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION



GENERAL GENERAL LEGEND		FILENAME	00G003.DWG	SHEET	00G003
SCALE	NO SCALE				

CIVIL MAPPING SYMBOLOGY

	SANITARY MANHOLE
	INTERSTATE HIGHWAY SYMBOL
	EXST DRAINAGE FLOW ARROW
	UTILITY POTHOLE
	EXST UTILITY POLE
	EXST DOWNGUY
	EXST STREET LIGHT
	EXST TEST HOLE/MONITORING WELL
	EXST SECTION CORNER AS DESCRIBED
	EXST RANGE POINT AS DESCRIBED
	EXST MONUMENT AS DESCRIBED
	EXST MONUMENT SET AS DESCRIBED
	EXST CATHODIC TEST STATION
	SPOT ELEVATION/POINT #
	SURVEY BENCHMARK
	SURVEY CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT
	EXST GAS VALVE
	EXST WATER VALVE
	EXST WATER METER
	EXST GAS METER
	EXST SEWER MANHOLE
	EXST VENT PIPE
	EXST STORM MANHOLE
	EXST WATER MANHOLE
	EXST FIRE HYDRANT
	EXST COMMUNICATION MANHOLE
	EXST ELECTRIC MANHOLE
	EXST SIGN

NOTE
ALL SHRUBS AND TREES WITHIN PERMANENT EASEMENT ALONG OPEN CUT SEGMENTS OF PIPELINE WILL BE DEMOLISHED. SHRUBS AND TREES WITHIN SURFACE LIMITS OF DISTURBANCE SHALL BE SALVAGED IF POSSIBLE. ALL OTHERS SHALL BE PROTECTED.

UTILITY/CIVIL LINE SYMBOLOGY

	FLIGHT ZONE EXTENTS
	PIPELINE
	CASING/BORING PIPE
	EXST RAILROAD
	CENTERLINE
	EXST PROPERTY LINE
	PROPERTY LINE - BOLD
	EXST EASEMENT
	NEW EASEMENT - PERMANENT
	LIMITS OF CONSTRUCTION/SURFACE DISTURBANCE
	EXST ROW
	SECTION LINE
	100 YEAR FLOODPLAIN LIMIT (100 YEAR)
	FEMA FLOODWAY
	HIGHWAY GUARDRAIL
	NEW CONTOUR (MINOR)
	NEW CONTOUR (MAJOR)
	EXST CONTOUR (MINOR)
	EXST CONTOUR W/ELEVATION (MAJOR)
	EXST VEGETATION/BRUSH LINE
	ABANDONMENT
	EXST CREEK CENTERLINE
	EXST WIRE FENCE
	EXST SPLIT RAIL FENCE
	EXST CHAIN LINK FENCE
	EXST METAL/WOOD FENCE
	ACCESS ROUTE
	MATCHLINE

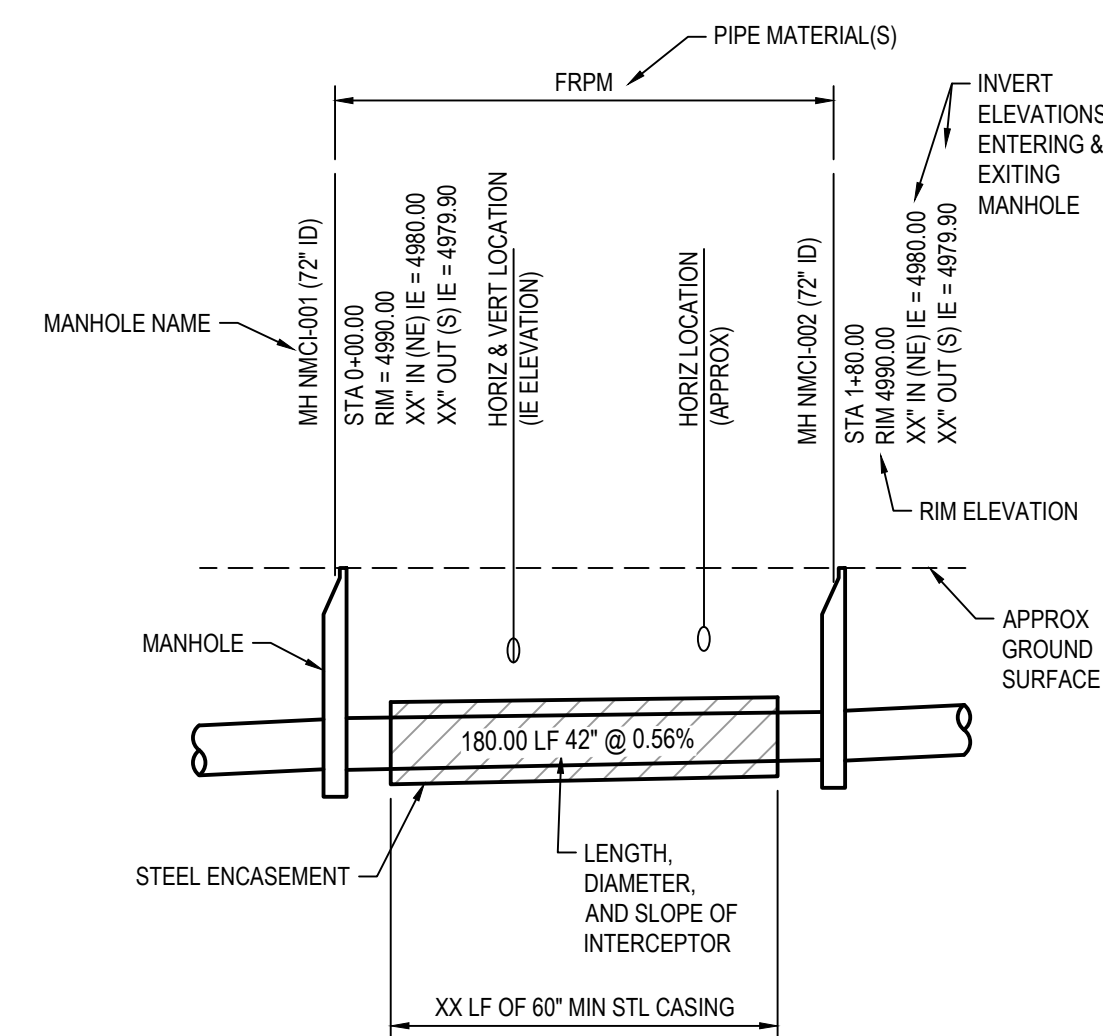
TUNNEL INSTRUMENTATION LEGEND

	U-10 UTILITY MONITORING POINT
	M-10 MONITORING POINT ARRAY

BORING LOG SYMBOL LEGEND

GW	WELL-GRADED GRAVEL; WELL-GRADED WITH SAND
GP	POORLY GRADED GRAVEL; POORLY GRADED GRAVEL WITH SAND
GM	SILTY GRAVEL; GRAVEL WITH SAND
GC	CLAYEY GRAVEL; CLAYEY GRAVEL WITH SAND
SW	WELL-GRADED SAND; WELL GRADED SAND WITH GRAVEL
SP	POORLY GRADED SAND; POORLY GRADED SAND WITH GRAVEL
SM	SILTY SAND; SILTY SAND WITH GRAVEL
SC	CLAYEY SAND; CLAYEY SAND WITH GRAVEL
ML	SILT; SILT WITH SAND OR GRAVEL; SANDY OR GRAVELLY SILT
CL	LEAN CLAY; LEAN CLAY WITH SAND OR GRAVEL; SANDY OR GRAVELLY, LEAN CLAY
OL	ORGANIC SILT OR CLAY; ORGANIC SILT OR CLAY WITH SAND OR GRAVEL; SANDY OR GRAVELLY, ORGANIC SILT OR CLAY
MH	ELASTIC SILT; ELASTIC SILT WITH SAND OR GRAVEL; SANDY OR GRAVELLY, ELASTIC SILT
CH	FAT CLAY; FAT CLAY WITH SAND OR GRAVEL; SANDY OR GRAVELLY, FAT CLAY
OH	ORGANIC SILT OR CLAY; ORGANIC SILT OR CLAY WITH SAND OR GRAVEL; SANDY GRAVELLY, ORGANIC SILT OR CLAY
PT	PEAT OR OTHER HIGHLY ORGANIC SOILS (SEE ASTM D4427)
	SANDSTONE
	CLAYSTONE
	SILTSTONE
	ASPHALT

PROFILE LEGEND



SUE UTILITIES

	FUTR SS FUTURE SANITARY SEWER UTILITY
	FUTR D FUTURE STORM UTILITY
	FUTR W FUTURE WATER UTILITY
	WAT-X* EXST WATER, SUE LEVEL X
	DR-X* EXST DRAIN LINE, SUE LEVEL X
	STM-X* EXST STORM LINE, SUE LEVEL X
	FIB-X* EXST FIBER OPTIC, SUE LEVEL X
	TEL-X* EXST TELEPHONE, SUE LEVEL X
	ELE-X* EXST ELECTRIC, SUE LEVEL X
	GAS-X* EXST NATURAL GAS, SUE LEVEL X
	SS-X* EXST SANITARY SEWER
	OHU EXST UTILITY OVERHEAD

SUE-SUBSURFACE UTILITY ENGINEERING LEGEND NOTE:

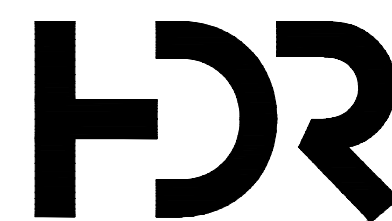
- SUE QUALITY LEVEL LOCATES OF EXISTING UTILITIES ARE DEPICTED WITH A SUFFIX IN PLACE OF "X" IN THE LEGEND ABOVE ON EXISTING UTILITY LINETYPES FROM B TO D DEPICTING THE ACCURACY, OR "QUALITY LEVEL" OF THE EXISTING UTILITY SHOWN ON THE DRAWINGS. (EXAMPLE WAT-B OR STM-C)
- QUALITY LEVEL A (PRECISE HORIZONTAL & VERTICAL LOCATION OF UTILITIES OBTAINED BY THE EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES AT A SPECIFIC POINT).
- QUALITY LEVEL B (INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. LOCATED UTILITIES ARE SURVEYED AND TIED TO PROJECT CONTROL).
- QUALITY LEVEL C (INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION AND ANY AVAILABLE QUALITY LEVEL B AND QUALITY LEVEL A INFORMATION).
- QUALITY LEVEL D (INFORMATION DERIVED FROM EXISTING RECORDS RESEARCH/DATA COLLECTION).

SUBSURFACE UTILITY INVESTIGATION NOTES

- ALL UTILITIES WERE LOCATED TO "QUALITY LEVEL B" WHERE POSSIBLE. WHERE UNABLE TO LOCATE UTILITIES TO "QUALITY LEVEL B" DUE TO THE UNTRACEABLE UTILITIES OR UTILITIES NOT LOCATED BY THE UTILITY OWNER, UTILITIES WERE LOCATED TO "QUALITY LEVEL C". WHERE UNABLE TO LOCATE UTILITIES TO "QUALITY LEVEL C" DUE TO LACK OF SURFACE FEATURES, THE UTILITY WAS SHOWN ON THE DRAWINGS TO "QUALITY LEVEL D" PER THE AVAILABLE RECORD DRAWINGS. THE UTILITY LOCATE INFORMATION SHOWN ON THE DRAWINGS SHALL NOT ALLEVIATE THE CONTRACTOR FROM VERIFYING ALL UTILITY LOCATIONS AND DEPTHS SHOWN IN THE CONTRACT DOCUMENTS PRIOR TO BEGINNING CONSTRUCTION. THE DRAWINGS WITHOUT VERIFICATION SHALL BE AT THE SOLE DISCRETION OF THE CONTRACTOR.
- ALL EXISTING SANITARY SEWER AND STORM SEWER ARE DEPICTED AT "QUALITY LEVEL C" (ASCE 38-02) UNLESS INDICATED OTHERWISE.
- THE LOCATIONS OF "QUALITY LEVEL A" (ASCE 38-02) ON EXISTING UTILITIES (UTILITY POTHOLES ARE IDENTIFIED ON THE PLAN AND PROFILE DRAWINGS). THE "QUALITY LEVEL A" DATA IS SUMMARIZED IN THE POTHOLE TABLE INCLUDED IN THE PLANS.

GENERAL NOTES

- THIS IS A STANDARD CIVIL SYMBOLOGY SHEET. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.



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LIFT STATION INTERCEPTOR CONNECTION

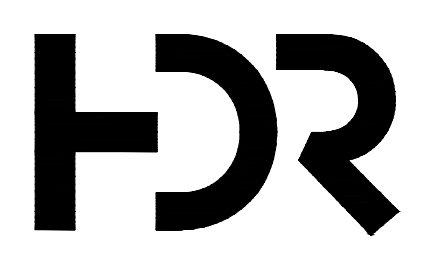


GENERAL
CIVIL LEGEND
FILENAME | 00G004.DWG
SCALE | NO SCALE

SHEET
00G004

1	2	3	4	5	6	7	8
A/C	AIR CONDITIONING	CM	CONTROL MEASURE	F TO F	FACE TO FACE	N	NORTHING
A/E	ARCHITECT/ENGINEER	CMH	COMMUNICATION MANHOLE	F&B	FACE AND BYPASS	NA	NOT APPLICABLE
A	AMPERE	CMF	CORRUGATED METAL PIPE	FAB	FABRICATE	NA	NATURAL
AB	ANCHOR BOLT	CMPS	CORRUGATED METAL PIPE (SMOOTH FLOW)	FB	FLOOR BEAM	NC	NORMALLY CLOSED
ABAN	ABANDON	CMU	CONCRETE MASONRY UNIT	FBD	FIBERBOARD	NE	NORTHEAST
ABC	AGGREGATE BASE COURSE	CO	CLEANOUT, COLORADO	FBG	FIBERGLASS	NEG	NEGATIVE
ABT	ABOUT	COL	COLUMN	FBM	BOARD FOOT MEASURE	NF	NEAR FACE, NON-FUSED
AC	ACRES	COM	COMMON	FBO	FURNISHED BY OWNER	NGS	NATIONAL GEODETIC SURVEY
ACK	ACKNOWLEDGE	COMB	COMBINATION	FC	FLUSHING CONNECTION	NIC	NOT IN CONTRACT
ACP	ACOUSTIC CEILING PANEL	COMM	COMMUNICATION	FCA	FLANGED COUPLING ADAPTER	NMCI	NORTH MONUMENT CREEK INTERCEPTOR
ACST	ASPHALTIC CONCRETE PAVEMENT	COMP	COMPOSITION, COMPRESSIBLE, COMPOSITE	FD	FLOOR DRAIN	NO	NORMALLY OPEN, NUMBER
AD	ACQUATIC	CON	CONCENTRIC	FDC	FLEXIBLE DUCT CONNECTION	NOM	NOMINAL
ADDL	ADDENDUM, AREA DRAIN	CONC	CONCRETE	FDR	FEEDER	NPS	NOMINAL PIPE SIZE
ADH	ADHESIVE	CONN	CONNECTION	FDTN	FOUNDATION	NPT	NATIONAL PIPE THREAD
ADJ	ADJUSTABLE, ADJACENT	CONST	CONSTRUCTION	FE	FLANGED END	NS	NEAR SIDE
AF	AMP FRAME, AMP FUSE	CONT	CONTINUOUS	FEC	FIRE EXTINGUISHER CABINET	NTS	NOT TO SCALE
AF	AMP FRAME, AMP FUSE	COORD	COORDINATE	FES	FLARED END SECTION	NW	NORTHWEST
AF	AMP FRAME, AMP FUSE	CORR	CORROSION, CORRUGATED	FEXT	FIRE EXTINGUISHER	NWL	NORMAL WATER LEVEL
AFG	ABOVE FINISH GRADE	CP	CONTROL POINT	FF	FAR FACE, FACTORY FINISH, FLAT FACE	O TO O	OUT TO OUT
AGGR	AGGREGATE	CPG	COUPLING	FG	FINISHED GRADE	OA	OUTSIDE AIR, OVERALL
AI	AREA INLET, ANALOG INPUT	CR	CORROSION-RESISTANT LINING	FH	FIRE HYDRANT	OC	ON CENTER
ALIGN	ALIGNMENT	CSC	COMPRESSION SLEEVE COUPLING	FIG	FIGURE	OC	OVER CURRENT PROTECTION DEVICE
ALT	ALTERNATE, ALTITUDE	CSK	COUNTERSINK	FIN	FINISH	OD	OUTSIDE DIAMETER
ALUM	ALUMINUM	CSU	COLORADO SPRINGS UTILITIES	FJT	FLUSH JOINT	OED	OPEN END DUCT
AM	ACOUSTICAL MATERIAL	CT	CERAMIC TILE	FL	FLOW, FLOW LINE	OF	OUTSIDE FACE, OFFICE FURNISHING
AMB	AMBIENT	CTJ	CONTRACTION JOINT	FLEX	FLEXIBLE	OF	OWNER FURNISHED CONTRACTOR
ANC	ANCHOR	CTR	CENTER	FLG	FLANGE	OF	OFFICE
AO	ANALOG OUTPUT	CTS	CASING TEST STATION	FLOR	FLUORESCENT	OF	OWNER FURNISHED OWNER INSTALLED
AP	ACCESS PANEL	CTL	CONTROL	FLR	FLOOR	OFI	OWNER FURNISHED OWNER INSTALLED
APR	APPROXIMATE	CTL	CONTROL	FLS	FLASHING, FLUSH	OG	ORIGINAL GROUND
APVD	APPROVED	CVT	CULVERT	FN	FENESTRATION	OH	OVERHEAD
APZ	ACCIDENT POTENTIAL ZONE	CW	CLOCKWISE	FO	FIBER OPTIC	OPNG	OPENING
ARCH	ARCHITECTURAL	CY	CUBIC YARD	FOD	FACE OF CONCRETE, FACE OF CURB	OPP	OPPOSITE
ASSY	ASSEMBLY			FOF	FACE OF FINISH	OPT	OPTIONAL
AT	ACOUSTICAL TILE, AMP TRIP	d	PENNY (NAIL MEASURE)	FOM	FACE OF MASONRY	OR	OUTSIDE RADIUS
ATC	ACOUSTICAL TILE CEILING	D	DEEP, DIFFUSER, DRAIN	FOS	FACE OF STUDS	ORD	OVERFLOW ROOF DRAIN
ATM	ATMOSPHERE	DB	DUCT BANK, DECIBEL, DRY BULB	FOT	FACE OF TOP	ORIG	ORIGINAL
AUTO	AUTOMATIC	DBA	DEFORMED BAR ANCHOR	FPT	FEMALE PIPE THREAD	OUT	OUTLET
AUX	AUXILIARY	DBL	DOUBLE	FR	FRAME	OVL	OVERFLOW
AV	AVERAGE	DC	DIRECT CURRENT	FR	FIBERGLASS REINFORCED PLASTIC	OVHG	OVERHANG
AVG	AVERAGE	DEG	DEGREE	FRM	FIBERGLASS REINFORCED POLYMER MORTAR	OZ	OUNCE
AVG	AVERAGE	DEG C	DEGREE CENTIGRADE	FRMT	FIRE RETARDANT TREATED MATERIAL	P	POINT
AWT	ACOUSTICAL WALL TILE	DEG F	DEGREE FAHRENHEIT	FS	FLOOR SINK, FAR SIDE	PA	PUBLIC ADDRESS, PRELIMINARY ACCEPTANCE
B TO B	BACK TO BACK	DEMO	DEMOLITION	FT	FEET, FOOT	PAR	PARALLEL, PARAPET
BAL	BALANCE	DEP	DEPRESSED	FTG	FOOTING, FITTING	PB	PANIC BAR, PULL BOX
BBD	BULLETIN BOARD	DEPT	DEPARTMENT	FUR	FURRED, FURRING	PBD	PARTICLE BOARD
BC	BASE CABINET, BOTTOM CHORD, BOLT CENTER, BOLT CIRCLE	DET	DETAIL	FURN	FURNITURE, FURNISH	PCC	POINT OF CURVE, PIECE, PRECAST
BD	BOARD	DI	DROP INLET, DUCTILE IRON, DIGITAL INPUT	FUT	FUTURE	PC	POINT OF COMPOUND CURVATURE
BE	BOTH ENDS, BELL END	DIAG	DIAGONAL DIAGRAM	FV	FACE VELOCITY	PCF	POUNDS PER CUBIC FOOT
BF	BOTH FACES, BOTTOM FACE	DIFF	DIFFERENTIAL, DIFFERENCE	FWD	FIELD WELD, FIRE WALL	PCP	PERCENT
BITUM	BITUMINOUS	DIP	DUCTILE IRON PIPE	FWE	FURNISHED WITH EQUIPMENT	PCT	PERMANENT EASEMENT, POLYETHYLENE
BK	BOOK	DIPS	DUCTILE IRON PIPE SIZE	FXT	FIXTURE	PED	PEDESTAL
BKG	BACKING	DISCH	DISCHARGE	G	GRILLE, GROUND	PEN	PENETRATION
BL	BASE LINE	DIST	DISTANCE, DISTRIBUTION	GA	GAGE (METAL THICKNESS)	PERF	PERFORATED
BLDG	BUILDING	DIV	DIVISION	GAL	GALLON	PERM	PERMANENT
BLK	BLOCK	DL	DEAD LOAD	GALV	GALVANIZED	PERP	PERPENDICULAR
BLKG	BLOCKING	DM	DOUBLE MECHANICAL JOINT	GB	GRAB BAR, GRADE BREAK	PFM	POWER FACTOR
BLVD	BOULEVARD	DMPF	DAMP PROOFING	GC	GROOVED COUPLING	PFM	PREFACED MASONRY UNIT
BM	BENCHMARK, BEAM	DN	DOWN	GD	GUARD	PG	PHASE, POT HOLE
BOC	BACK OF CURB	DNF	DID NOT FIND	GEN	GENERAL	PH	PHASE, POT HOLE
BOD	BOTTOM OF DUCT	DNP	DID NOT POTHOLE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PI	POINT OF INTERSECTION
BOG	BOTTOM OF GRILLE	DNO	DISSOLVED OXYGEN, DIGITAL OUTPUT, DITTO	GFMU	GROUND FACE MASONRY UNIT	PID	PERMANENT IDENTIFIER
BOL	BOTTOM OF LOUVER, BOLLARD	DP	DEPTH	GG	GUTTER GRADE	PKG	PACKAGE
BOP	BOTTOM OF PIPE	DPDT	DOUBLE POLE, DOUBLE THROW	GJ	GROOVED JOINT	PKWY	PARKWAY
BOR	BOTTOM OF REGISTER	DPST	DOUBLE POLE, SINGLE THROW	GL	GLASS	PL	PLATE, PROPERTY LINE, PRECAST LINTEL
BOT	BOTTOM	DR	DRIVE	GLB	GLASS BLOCK, GLULAM BEAM	PLAT	PLATFORM
BOU	BOTTOM OF UNIT	DS	DOWN SPOUT	GND	GROUND	PLB	PLUMBING
BP	BASE PLATE	DT	DOUBLE TEE, DRIP TRAP ASSEMBLY	GP	GUY POLE	PLF	POUNDS PER LINEAR FOOT
BRG	BEARING	DUP	DUPLICATE	GR	GRADE	PMU	PREBLE'S MEADOW, JUMPING MOUSE
BRGP	BEARING PLATE	DWG	DRAWING	GR	GRATING	PNEU	PNEUMATIC
BRKT	BRACKET	DWL	DOWEL	GRG	GRATING	POL	POLISH
BS	BOTH SIDES	DWR	DRAWER	GSB	GYPSPUM SHEATHING BOARD	POLY	POLYETHYLENE
BTU	BRITISH THERMAL UNIT	E	EAST, EASTING	GT	GREASE TRAP	POS	POSITIVE, POSITION
BTW	BETWEEN	EA	EACH, EXHAUST AIR	GVL	GRAVEL	PP	POLYPROPYLENE, POWER POLE
BTWLD	BUTT WELD	EC	ELECTRICAL CONTRACTOR	GW	GUY WIRE	PRC	POINT OF REVERSE CURVATURE
BU	BELL UP, BUILT-UP	ECC	EROSION CONTROL BLANKET	GWB	GYPSPUM WALLBOARD	PREF	PREFINISHED
BUR	BUILT-UP ROOFING	ECB	ECCENTRIC	GYP	GYPSPUM HARDBOARD	PREFAB	PREFABRICATED
BW	BOTH WAYS	ECC	ECCENTRIC	H	HORIZONTAL	PRELIM	PRELIMINARY
BYP	BYPASS	ED	EQUIPMENT DRAIN	HB	HOSE BIBB	PREP	PREPARE
C TO C	CENTER TO CENTER	EDB	ELECTRICAL DUCT BANK	HBD	HARDBOARD	PRES	PRESSURE
C&G	CURB AND GUTTER	EE	EACH END	HC	HANDICAPPED, HOLLOW CORE, HORIZONTAL CURVE, HORIZONTAL CENTERLINE	PRI	PRIMARY
CAB	CHANNEL SHAPE, CENTIGRADE, CONDUIT	EF	EACH FACE	HD	HEAD, HOT DIP	PROP	PROPERTY, PROPOSED
CAP	CAPACITY	EFF	EFFLUENT, EFFICIENCY	HDD	HORIZONTAL DIRECTIONAL DRILL	PROT	PROTECTION
CAT	CATALOG, CATEGORY	EHH	ELECTRICAL HANDHOLE	HDR	HEADER	PS	PIPE SUPPORT
CAV	CAVITY	EIFS	EXTERIOR INSULATION & FINISH SYSTEM	HDX	HARDWARE	PSF	POUNDS PER SQUARE FOOT
CB	CATCH BASIN	EL	ELEVATION	HEX	HEXAGONAL	PSI	POUNDS PER SQUARE INCH
CCB	CONCRETE BLOCK	ELEC	ELECTRICAL	HGR	HANGER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
CCW	COUNTER CLOCKWISE	ELEV	ELEVATION	HH	HANDHOLE	PSIG	POUNDS PER SQUARE INCH GAGE
CD	CHECK DAM	EMBD	EMBEDDED	HID	HIGH-INTENSITY DISCHARGE	PST	PRESTRESSED
CDF	CONTROLLED-DENSITY FILL	EMER	EMERGENCY	HM	HOLLOW METAL	PSM	PRECISION SURVEY & MAPPING
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	EMH	ELECTRICAL MANHOLE	HORIZ	HORIZONTAL	PT	POINT, POINT OF TANGENCY
CE	CONCRETE EDGE	ENCL	ENCLOSURE	HP	HIGH POINT, HORSEPOWER	PTN	PARTITION
CER	CERAMIC	ENGR	ENGINEER	HPC	HORIZONTAL POINT OF CURVATURE	PVC	PVC COATED RGS
CF	CUBIC FEET (FOOT), CONSTRUCTION FENCE	ENTR	ENTRANCE	HPS	HIGH-PRESSURE SODIUM	PVM	PAVEMENT
CFL	COUNTER FLASHING	EOP	EDGE OF PAVEMENT	HPT	HORIZONTAL POINT OF TANGENCY	PWD	PLYWOOD
CHBD	CHALKBOARD	EQ	EQUAL	HR	HOSE REEL, HOUR	PWJ	PLYWOOD WEB JOIST
CHD	CHORD	EQUIP	EQUIPMENT	HS	HEADED STUD, HIGH STRENGTH	PZ	PIEZOMETER
CHFR	CHAMFER	EQUIV	EQUIVALENT	HSS	HOLLOW STRUCTURAL SHAPE	Q	RATE OF FLOW
CHH	COMMUNICATION HANDHOLE	ES	EACH SIDE, EQUAL SPACE	HT	HEIGHT	QT	QUARTER
CI	CURB INLET	ESEW	EMERGENCY SHOWER AND EYE WASH	HTG	HEATING	QTY	QUANTITY
CIP	CONCRETE IN-PLACE, CAST IRON PIPE	EST	ESTIMATE	HV	HIGH VOLTAGE	QUAL	QUALITY
CIPB	CONCRETE INTERLOCKING PAVEMENT BALLAST	EW	EACH WAY	HVAC	HEATING, VENTILATING AND AIR CONDITIONING		
CIRC	CIRCULATION, CIRCULAR	EWG	ELECTRIC WATER COOLER	HWD	HARDWOOD		
CJ	CONSTRUCTION JOINT	EWL	ELECTRIC WATER LEVEL	HWA	HIGH WATER LEVEL		
CKT	CIRCUIT	EWEF	EACH WAY, EACH FACE	HYD	HYDRAULIC		
CL	CENTERLINE	EWTB	EACH WAY, TOP AND BOTTOM	HZ	HERTZ, CYCLES PER SECOND		
CLG	CEILING	EX	EXCAVATION				
CLKG	CAULKING	EXH	EXHAUST				
CLR	CLEARANCE	EXP	EXPANSION, EXPOSED				
		EXT	EXISTING				
		EXT	EXTERIOR, EXTERNAL, EXTENSION				

- GENERAL NOTES**
- THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS.
 - LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
 - ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING AND "REIN" MAY MEAN EITHER REINFORCE OR REINFORCING.
 - SEE INSTRUMENTATION LEGEND SHEET FOR PROJECT-SPECIFIC EQUIPMENT SYMBOLS, EQUIPMENT ABBREVIATIONS, AND PIPING SYSTEM ABBREVIATIONS.

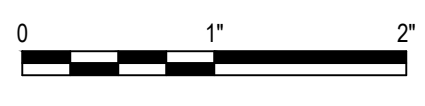


PROJECT MANAGER	STEVEN T. POOL	
PROJECT ENGINEER	R. KEATLEY	
QUALITY CONTROL	M. GOSSETT	
DRAFTER	T. HICKS	
PROJECT NUMBER	10393769	
ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



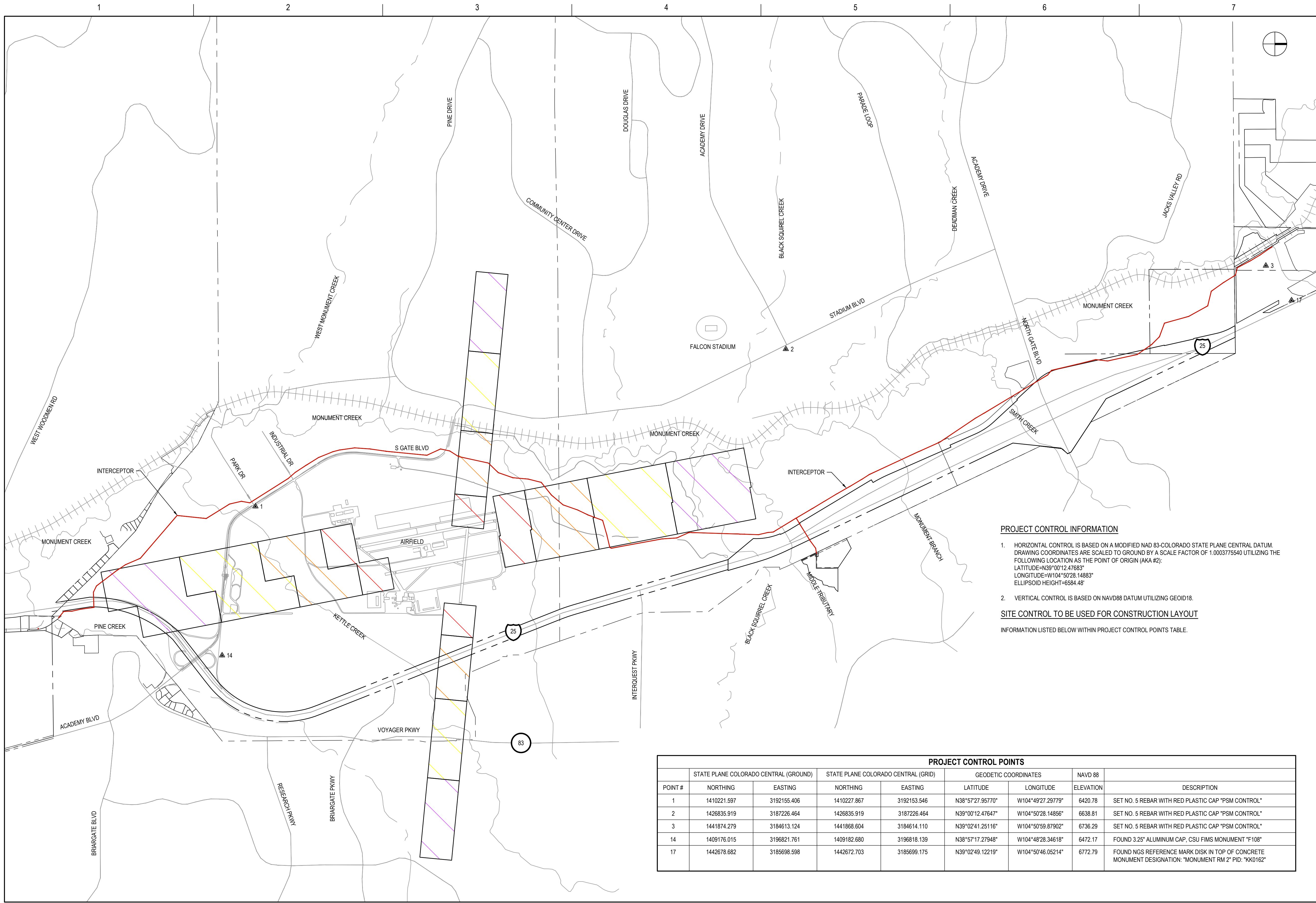
COLORADO SPRINGS UTILITIES NORTHERN MONUMENT CREEK INTERCEPTOR AND MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR CONNECTION



GENERAL ABBREVIATIONS

FILENAME 00G005.DWG
SCALE NO SCALE

SHEET
00G005



GENERAL NOTES
 A. SEE SHEET 00G003 FOR COLORED HATCH DEFINITIONS.

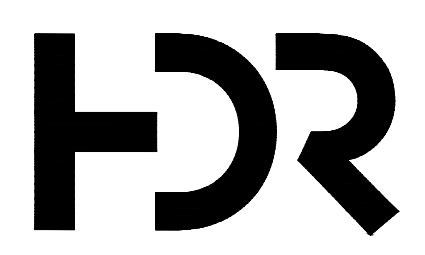
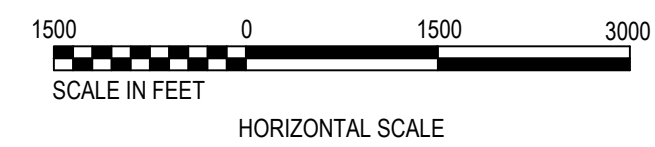
KEYNOTES

PROJECT CONTROL INFORMATION

- HORIZONTAL CONTROL IS BASED ON A MODIFIED NAD 83-COLORADO STATE PLANE CENTRAL DATUM. DRAWING COORDINATES ARE SCALED TO GROUND BY A SCALE FACTOR OF 1.0003775540 UTILIZING THE FOLLOWING LOCATION AS THE POINT OF ORIGIN (AKA #2):
 LATITUDE=N39°00'12.47683"
 LONGITUDE=W104°50'28.14883"
 ELLIPSOID HEIGHT=6584.48'
 - VERTICAL CONTROL IS BASED ON NAVD88 DATUM UTILIZING GEOID18.
- SITE CONTROL TO BE USED FOR CONSTRUCTION LAYOUT**
 INFORMATION LISTED BELOW WITHIN PROJECT CONTROL POINTS TABLE.

PROJECT CONTROL POINTS

POINT #	STATE PLANE COLORADO CENTRAL (GROUND)		STATE PLANE COLORADO CENTRAL (GRID)		GEODETIC COORDINATES		NAVD 88 ELEVATION	DESCRIPTION
	NORTHING	EASTING	NORTHING	EASTING	LATITUDE	LONGITUDE		
1	1410221.597	3192155.406	1410227.867	3192153.546	N38°57'27.95770"	W104°49'27.29779"	6420.78	SET NO. 5 REBAR WITH RED PLASTIC CAP "PSM CONTROL"
2	1426835.919	3187226.464	1426835.919	3187226.464	N39°00'12.47647"	W104°50'28.14856"	6638.81	SET NO. 5 REBAR WITH RED PLASTIC CAP "PSM CONTROL"
3	1441874.279	3184613.124	1441868.604	3184614.110	N39°02'41.25116"	W104°50'59.87902"	6736.29	SET NO. 5 REBAR WITH RED PLASTIC CAP "PSM CONTROL"
14	1409176.015	3196821.761	1409182.680	3196818.139	N38°57'17.27948"	W104°48'28.34618"	6472.17	FOUND 3.25" ALUMINUM CAP, CSU FIMS MONUMENT "F108"
17	1442678.682	3185698.598	1442672.703	3185699.175	N39°02'49.12219"	W104°50'46.05214"	6772.79	FOUND NGS REFERENCE MARK DISK IN TOP OF CONCRETE MONUMENT DESIGNATION: "MONUMENT RM 2" PID: "KK0162"



ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769

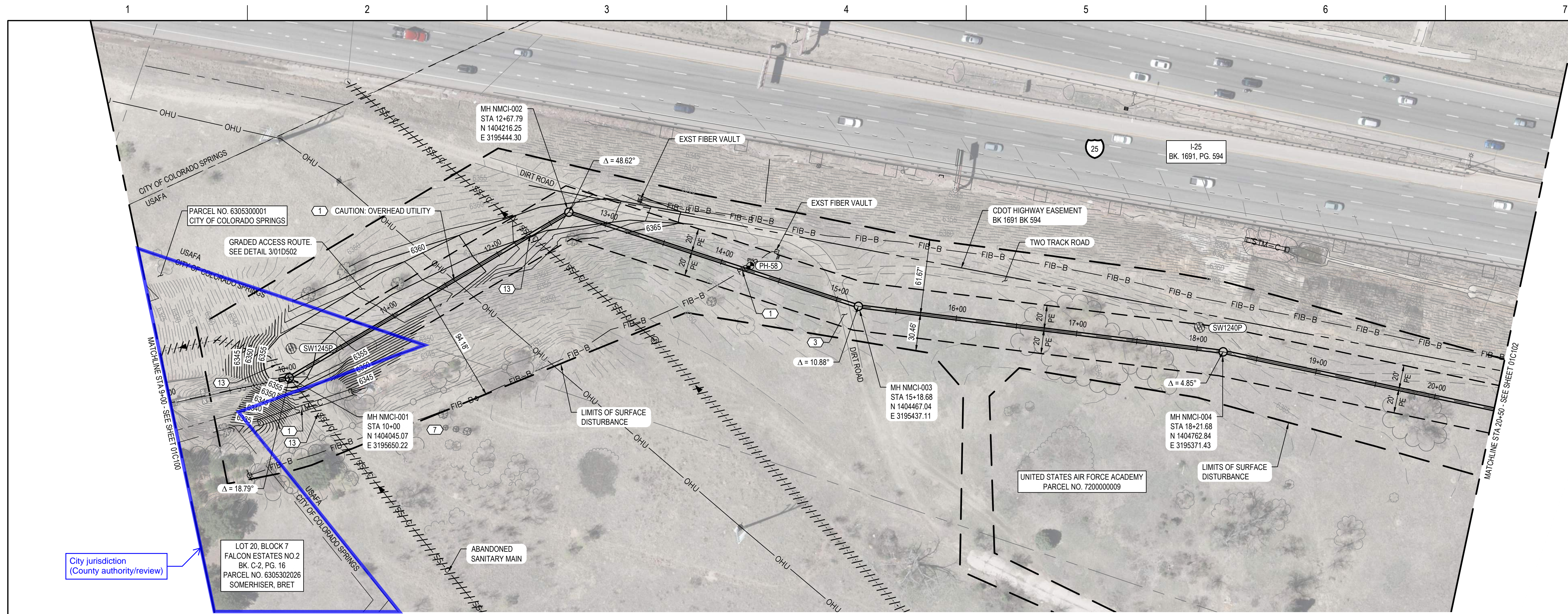


**COLORADO SPRINGS UTILITIES
 NORTHERN MONUMENT CREEK
 INTERCEPTOR AND MIDDLE TRIBUTARY
 LIFT STATION INTERCEPTOR CONNECTION**



GENERAL SURVEY CONTROL
 FILENAME 00G011.DWG
 SCALE AS NOTED

SHEET
00G011

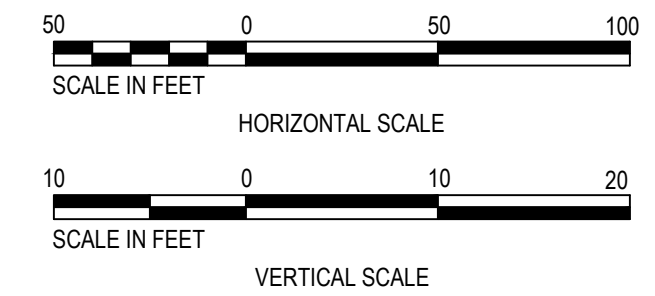
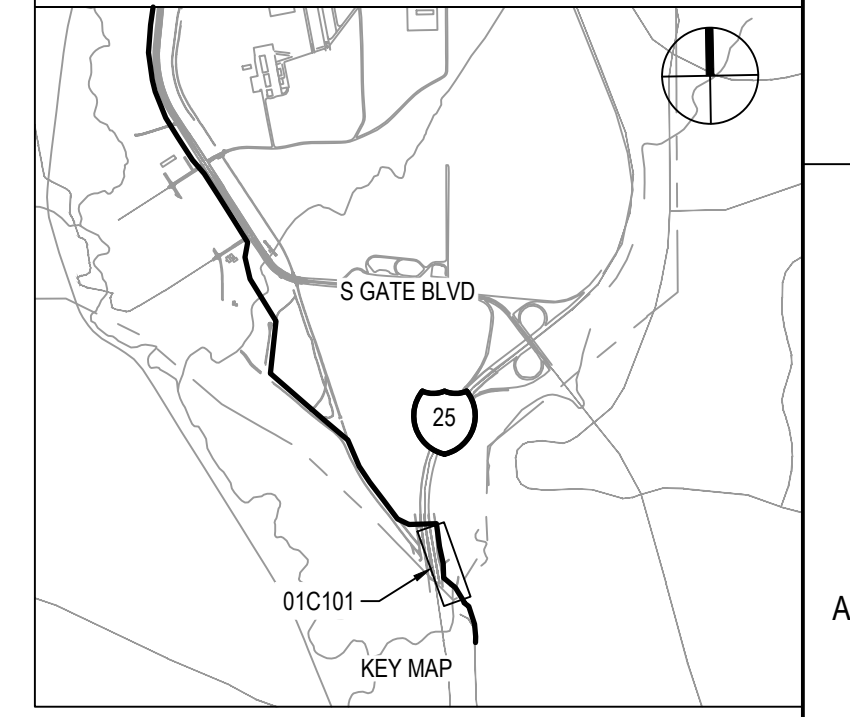
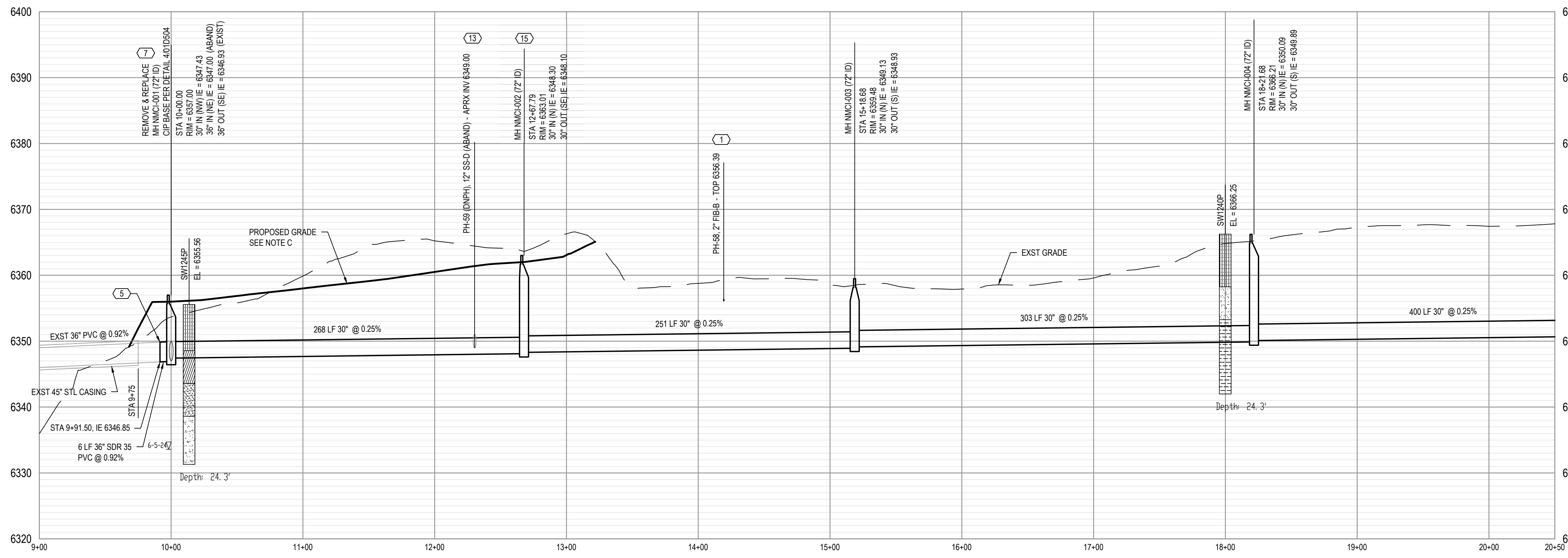


GENERAL NOTES

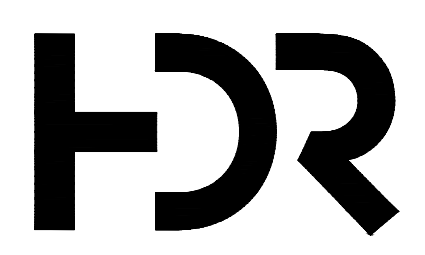
- A. SEE SHEET 01G011 FOR SURVEY CONTROL.
- B. PIPE LENGTHS ARE MEASURED CENTER-TO-CENTER OF MANHOLES, UNLESS OTHERWISE NOTED.
- C. PLACE AND COMPACT FILL PER SPECIFICATIONS 31 22 19 AND 31 23 33.
- E. INTERCEPTOR MATERIAL INSTALLED VIA OPEN CUT METHODS IS EITHER FRPM (SN 46) OR SOLID WALL SDR 35 PVC. FRPM SHALL BE REQUIRED AT DEPTHS EXCEEDING 39 FEET AND AS NOTED ON PROFILES.
- F. PROVIDE GRADED BENCH AROUND ALL MANHOLES PER DETAIL 401D502.

KEYNOTES

- 1. FIELD LOCATE AND PROTECT EXISTING UTILITY. SEE DETAIL 1/01D501.
- 3. RESTORE ROAD/TRAIL TO PRE-CONSTRUCTION CONDITIONS.
- 5. REMOVE & REPLACE EXISTING SANITARY SEWER WITH SDR 35 PVC AS REQUIRED FOR CONSTRUCTION. FURNISH SHIELDED FERN-CO ADAPTER COUPLING FOR CONNECTION. CONCRETE ENCASE CONNECTION.
- 7. REMOVE EXISTING MANHOLE AND REPLACE WITH NEW MANHOLE.
- 13. REMOVE EXISTING SANITARY SEWER AS REQUIRED FOR CONSTRUCTION. PLUG OPEN ENDS WITH A MINIMUM OF 2 FEET OF FILL CONCRETE OR FLOW FILL.
- 15. POLYMER CONCRETE MANHOLE. SEE DETAIL 02/01D503.



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ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**

**NORTHERN MONUMENT CREEK INTERCEPTOR
PLAN & PROFILE
STA 9+00 TO STA 20+50**

0 1" 2"
SCALE IN FEET

FILENAME 01C101.dwg
SCALE AS NOTED

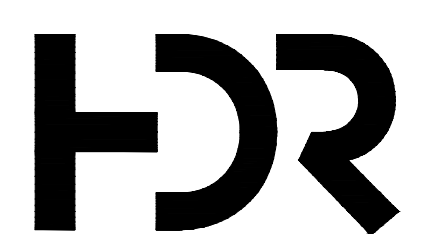
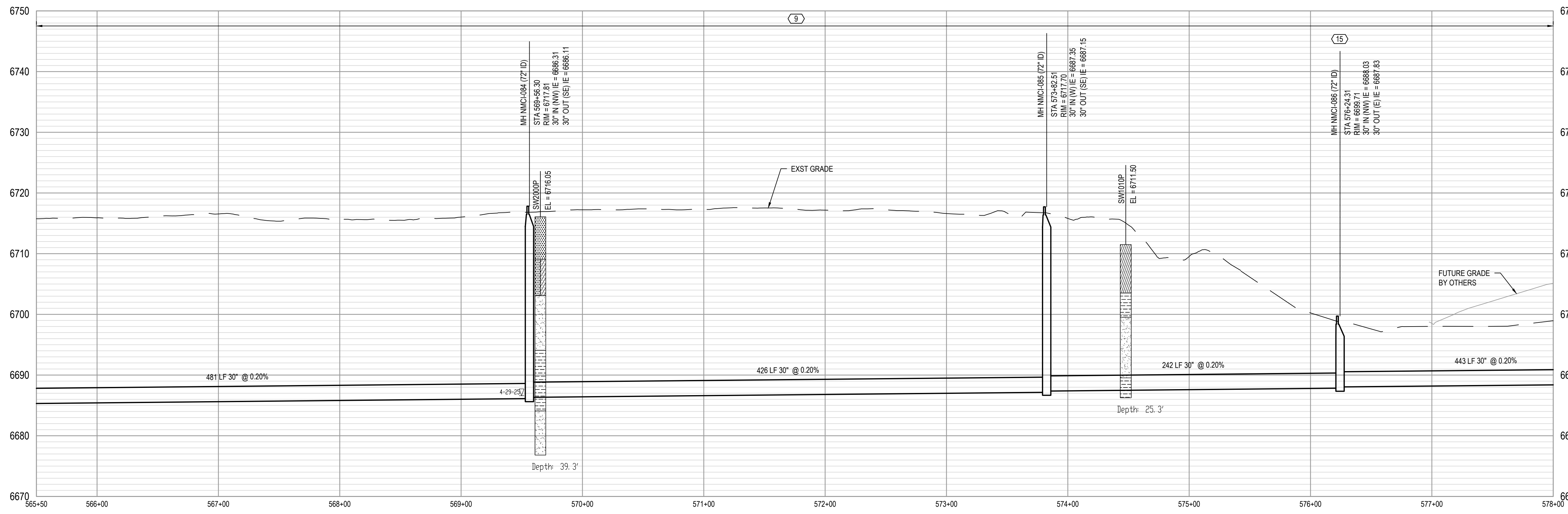
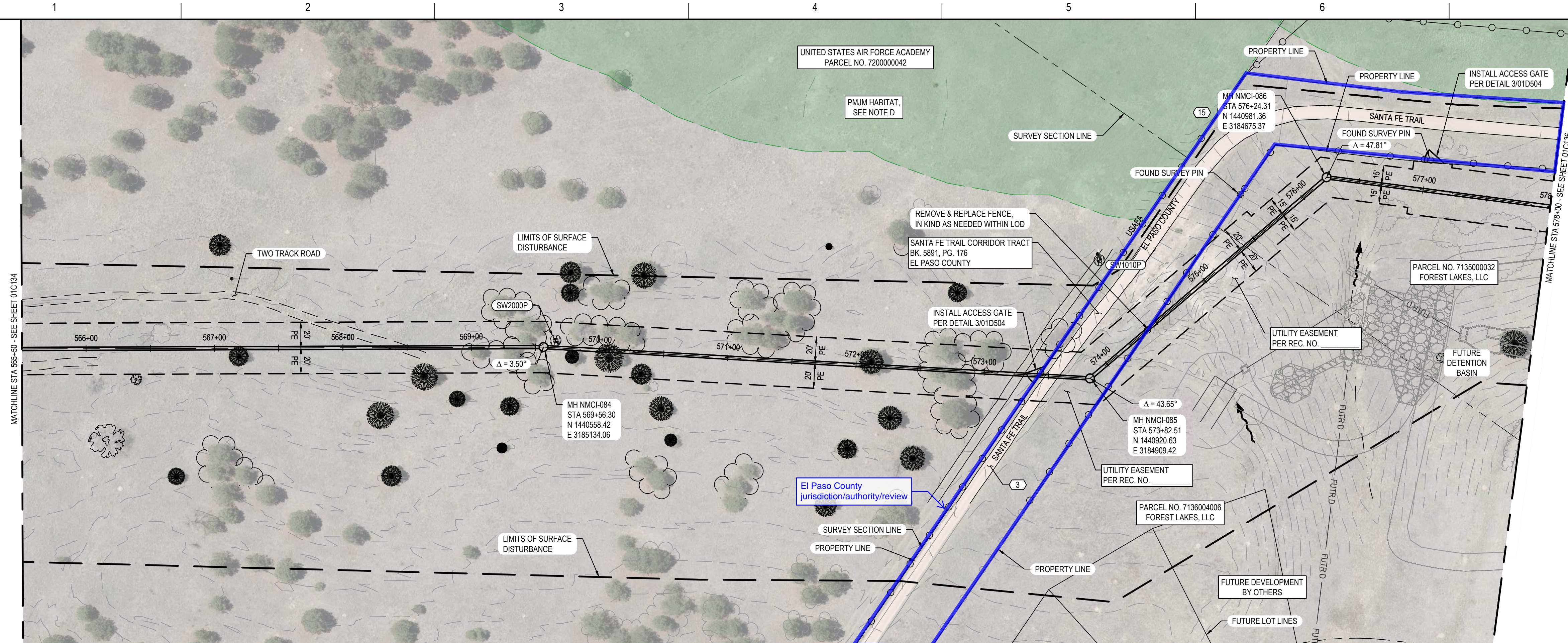
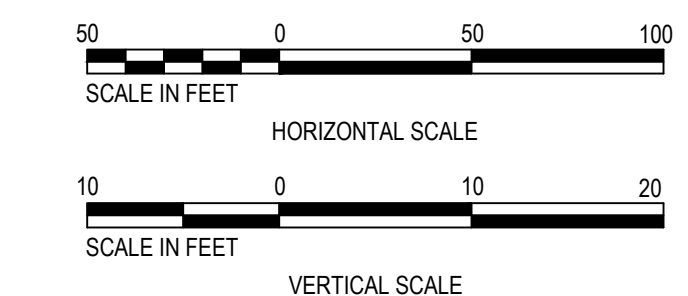
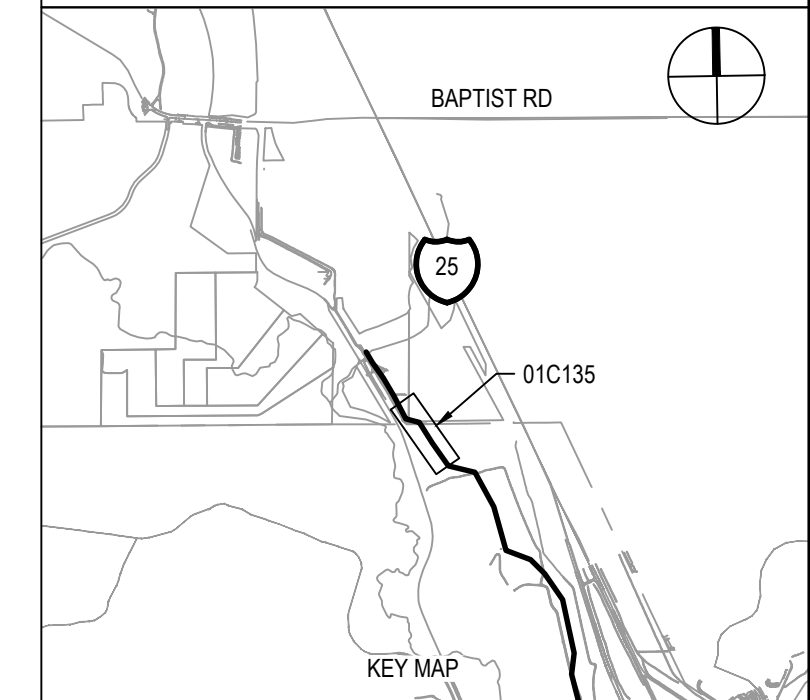
SHEET
01C101

GENERAL NOTES

- A. SEE SHEET 01G011 FOR SURVEY CONTROL.
- B. PIPE LENGTHS ARE MEASURED CENTER-TO-CENTER OF MANHOLES, UNLESS OTHERWISE NOTED.
- D. SEE SPECIFICATIONS 01 14 00 AND 01 35 43 FOR WORK RESTRICTIONS WITHIN HATCHED AREAS.
- E. INTERCEPTOR MATERIAL INSTALLED VIA OPEN CUT METHODS IS EITHER FRPM (SN 46) OR SOLID WALL SDR 35 PVC. FRPM SHALL BE REQUIRED AT DEPTHS EXCEEDING 39 FEET AND AS NOTED ON PROFILES.
- F. PROVIDE GRADED BENCH AROUND ALL MANHOLES PER DETAIL 401D502.

KEYNOTES (#)

- 3. RESTORE TRAIL TO PRE-CONSTRUCTION CONDITIONS.
- 9. SUMPING ANTICIPATED.
- 15. POLYMER CONCRETE MANHOLE. SEE DETAIL 0201D503.



PROJECT MANAGER STEVEN T. POOL		
PROJECT ENGINEER R. KEATLEY		
QUALITY CONTROL M. GOSSETT		
DRAFTER T. HICKS		
PROJECT NUMBER 10393769		
A	05/2026	ISSUED FOR CONSTRUCTION
ISSUE	DATE	DESCRIPTION



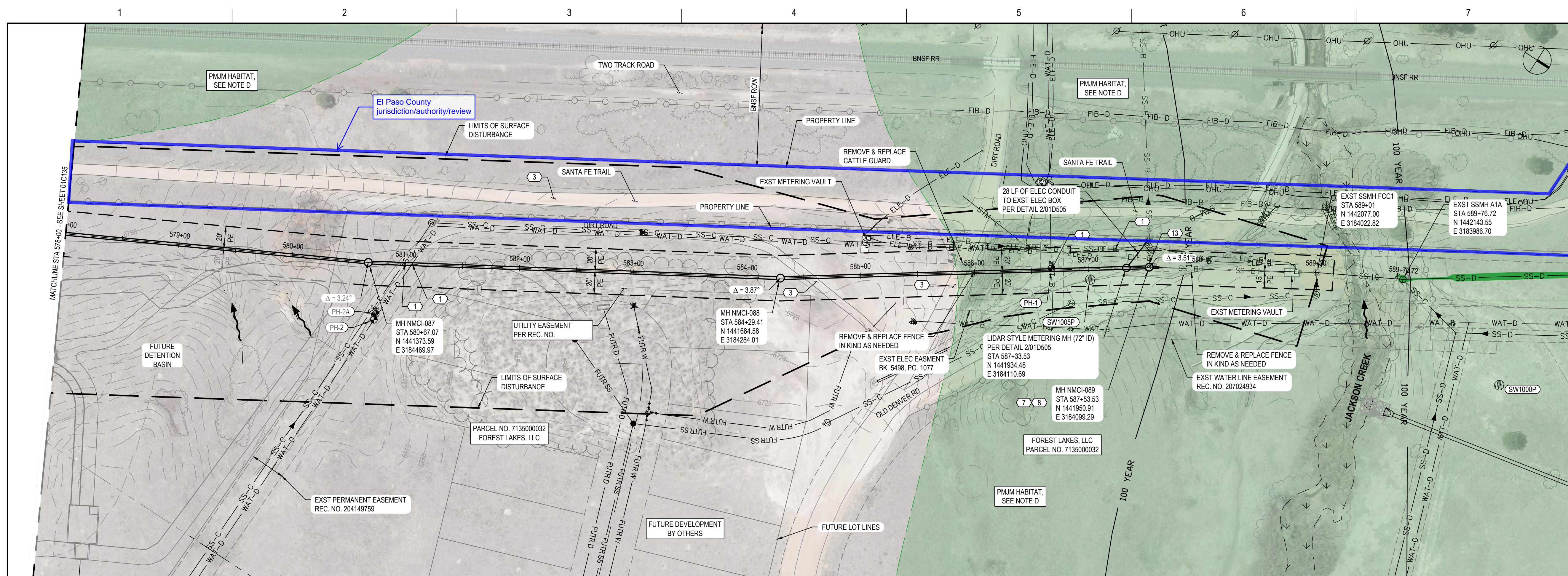
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**

**NORTHERN MONUMENT CREEK INTERCEPTOR
PLAN & PROFILE
STA 565+50 TO STA 578+00**

0 1" 2"
SCALE AS NOTED

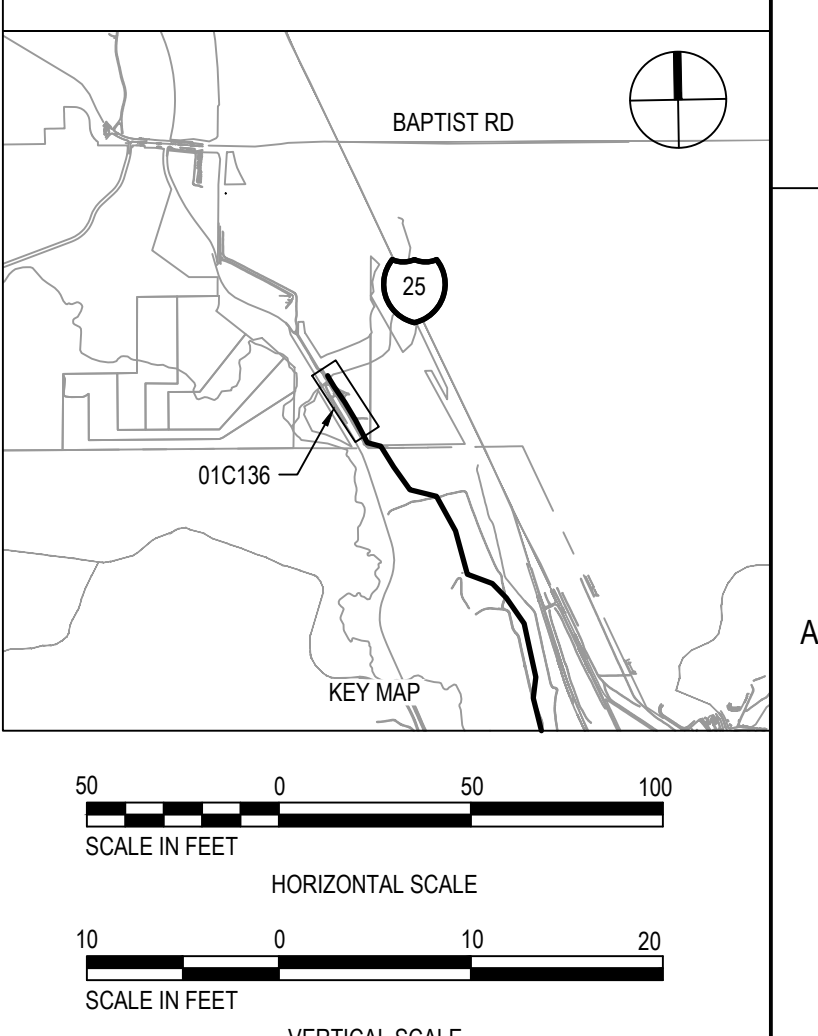
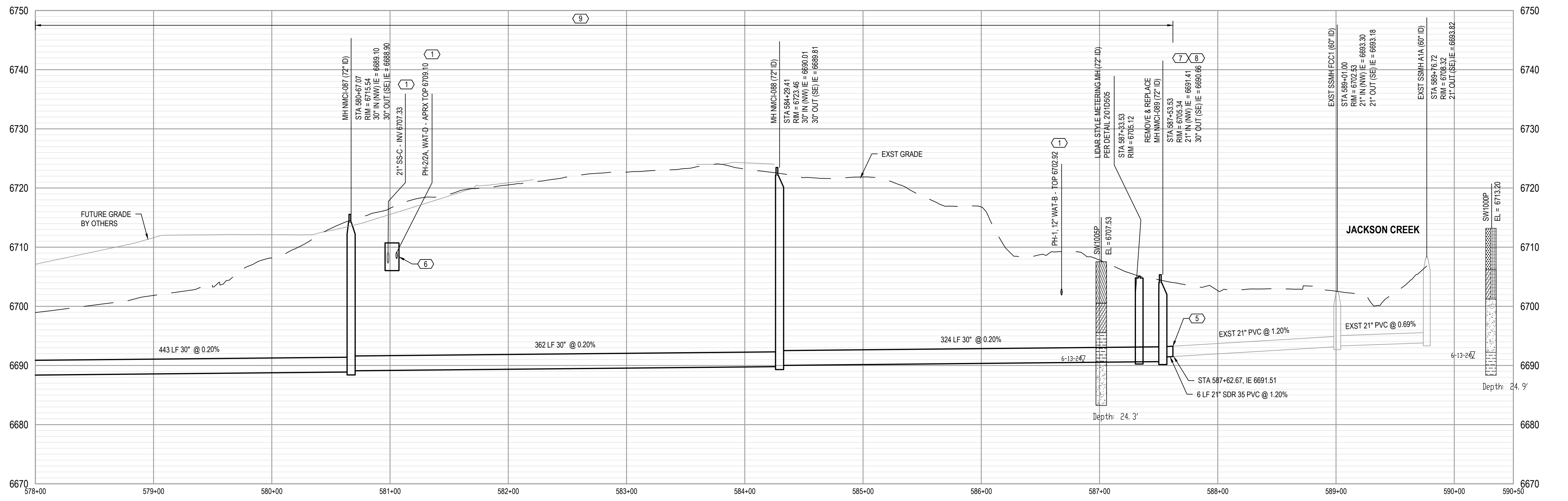
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SCALE AS NOTED

SHEET
01C135

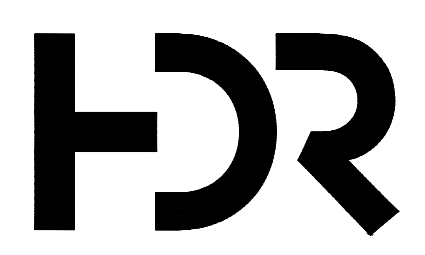


- ### GENERAL NOTES
- A. SEE SHEET 01G011 FOR SURVEY CONTROL.
 - B. PIPE LENGTHS ARE MEASURED CENTER-TO-CENTER OF MANHOLES, UNLESS OTHERWISE NOTED.
 - D. SEE SPECIFICATIONS 01 14 00 AND 01 35 43 FOR WORK RESTRICTIONS WITHIN HATCHED AREAS.
 - E. INTERCEPTOR MATERIAL INSTALLED VIA OPEN CUT METHODS IS EITHER FRPM (SN 48) OR SOLID WALL SDR 35 PVC. FRPM SHALL BE REQUIRED AT DEPTHS EXCEEDING 39 FEET AND AS NOTED ON PROFILES.
 - F. PROVIDE GRADED BENCH AROUND ALL MANHOLES PER DETAIL 401D052.
 - M. DO NOT ALTER EXISTING ELEVATIONS WITHIN FLOODPLAINS OR FLOODWAYS.

- ### KEYNOTES
- 1. FIELD LOCATE AND PROTECT EXISTING UTILITY. SEE DETAIL 1/01D501.
 - 3. RESTORE ROAD/TRAIL TO PRE-CONSTRUCTION CONDITIONS.
 - 5. REMOVE & REPLACE EXISTING SANITARY SEWER WITH SDR 35 PVC AS REQUIRED FOR CONSTRUCTION. FURNISH SHIELDED FERN-CO COUPLING FOR CONNECTION. CONCRETE ENCASE CONNECTION.
 - 6. BACKFILL CROSSED UTILITY LINE WITH FLOW FILL. EXTEND TO 6-INCH BELOW PIPE AND 6-IN ABOVE CROWN.
 - 7. REMOVE EXISTING MANHOLE AND REPLACE WITH NEW MANHOLE.
 - 8. PROVIDE BYPASS PUMPING AROUND MANHOLE. BYPASS PUMPING PLANS TO BE SUBMITTED FOR REVIEW AND APPROVAL PER SPECIFICATION 01 72 00.
 - 9. SUMPING ANTICIPATED.
 - 13. REMOVE EXISTING SANITARY SEWER AS REQUIRED FOR CONSTRUCTION. PLUS OPEN END WITH A MINIMUM OF 2 FEET OF FILL CONCRETE OF FLOW FILL.



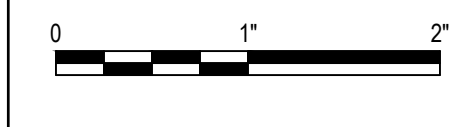
C:\PWORKING\central\01\4374172\01C136.dwg, 3/12/2026 5:19:23 PM, THHICK



PROJECT MANAGER STEVEN T. POOL		
PROJECT ENGINEER R. KEATLEY		
QUALITY CONTROL M. GOSSETT		
DRAFTER T. HICKS		
PROJECT NUMBER 10393769		
A	05/2026	ISSUED FOR CONSTRUCTION
ISSUE	DATE	DESCRIPTION



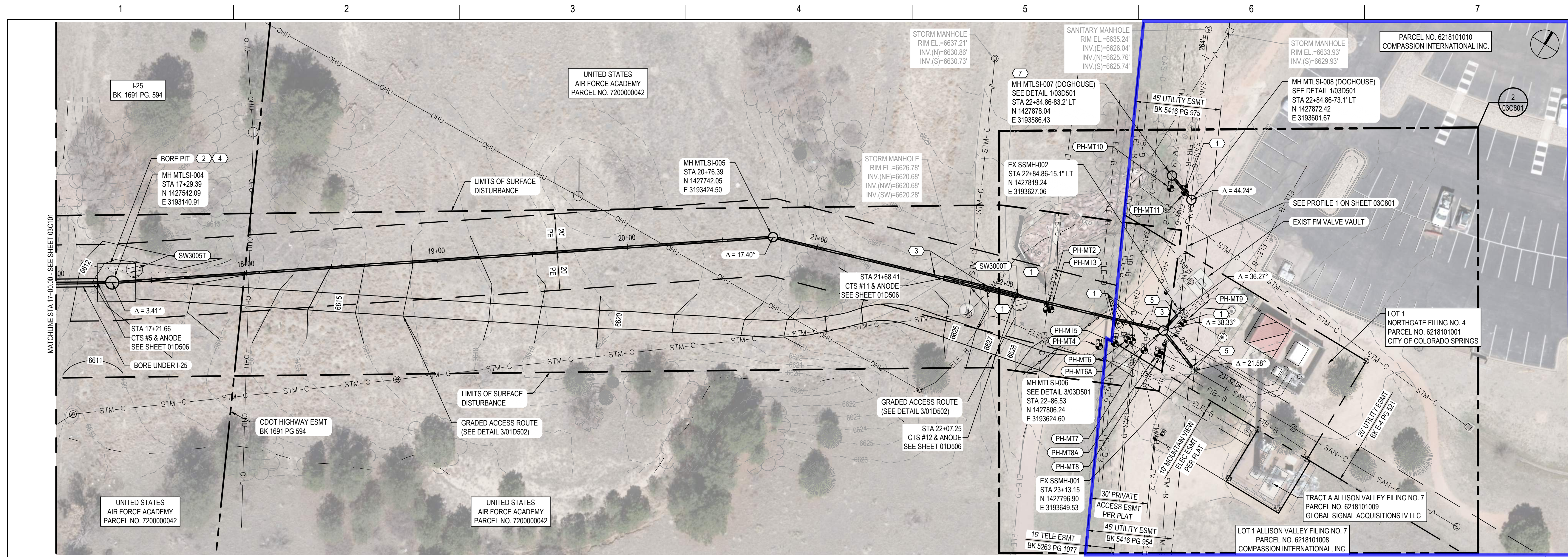
COLORADO SPRINGS UTILITIES NORTHERN MONUMENT CREEK INTERCEPTOR AND MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR CONNECTION



NORTHERN MONUMENT CREEK INTERCEPTOR PLAN & PROFILE STA 578+00 TO STA 587+62.67

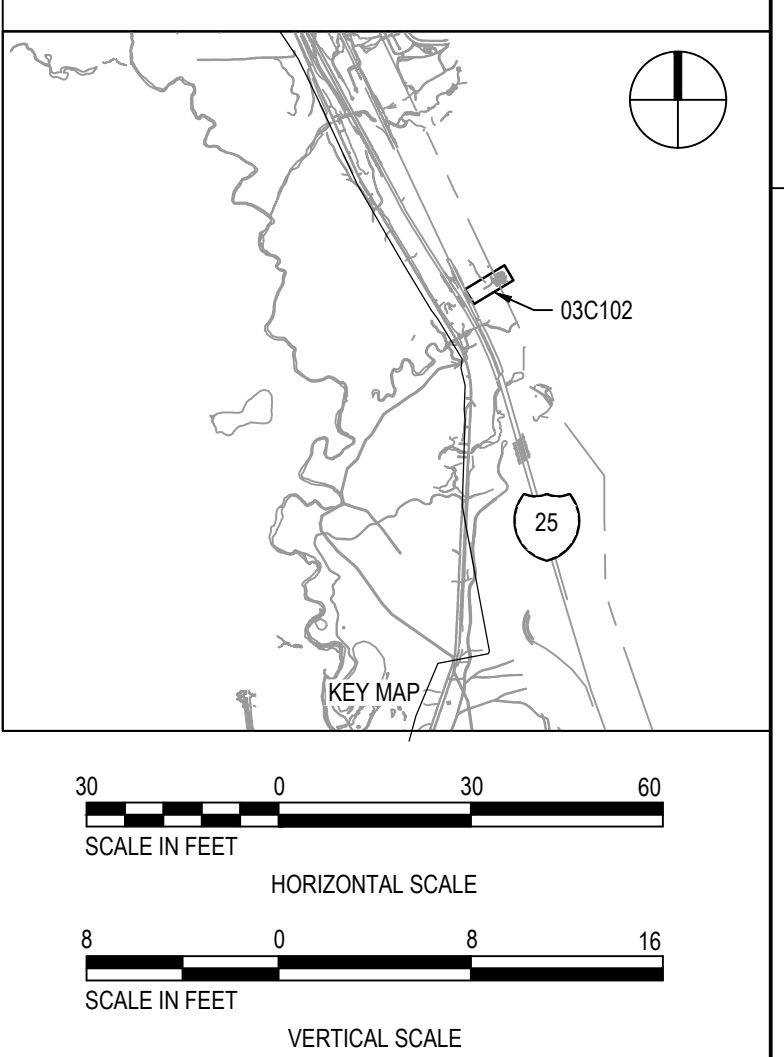
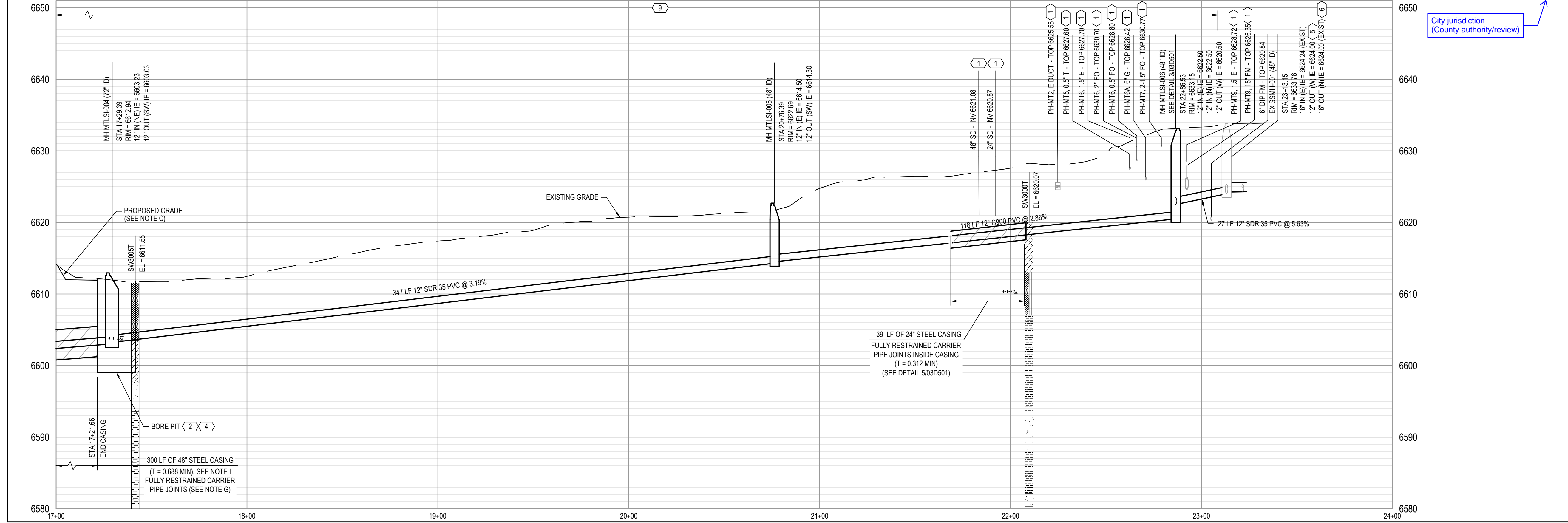
FILENAME 01C136.dwg
SCALE AS NOTED

SHEET
01C136



- ### GENERAL NOTES
- A. SEE SHEET 00G011 FOR SURVEY CONTROL.
 - B. PIPE LENGTHS ARE MEASURED CENTER-TO-CENTER OF MANHOLES, UNLESS OTHERWISE NOTED.
 - C. PLACE AND COMPACT FILL PER SPECIFICATIONS 31 22 19 AND 31 23 33.
 - G. TRANSITION PIPE MATERIAL AT TUNNELS FROM MH MTL-SI-004 TO MH MTL-SI-003. CARRIER PIPE SHALL BE C900 PVC PER SPECIFICATION 33 11 01.03.
 - I. ACTUAL CASING PIPE THICKNESS TO BE DETERMINED BY CONTRACTOR AS REQUIRED FOR MEANS AND METHODS. SEE SHEETS 01D507 - 01D513 FOR TUNNELING AND MONITORING DETAILS.
 - F. PROVIDE GRADED BENCH AROUND ALL MANHOLES PER DETAIL 4/01D502.

- ### KEYNOTES
1. FIELD LOCATE AND PROTECT EXISTING UTILITY, SEE DETAIL 1/01D501.
 2. APPROXIMATE LIMITS OF TUNNEL SHAFT. ACTUAL LIMITS TO BE DETERMINED BY CONTRACTOR MEANS AND METHODS.
 3. RESTORE ROAD/TRAIL TO PRE-CONSTRUCTION CONDITIONS.
 4. BACKFILL BOTTOM OF BORE PITS WITH FLOW FILL. EXTEND TO 6-IN ABOVE PIPE CROWN.
 5. CORE DRILL EXISTING MANHOLE TO ACCOMMODATE OUTGOING PIPE. SEE DETAIL 4/03D501.
 6. ONCE THE NEW PIPE IS ACTIVATED, PLUG EXISTING OUTGOING PIPE WITH A MINIMUM OF 2 FEET OF CONCRETE TO FILL I.D. OF PIPE.
 7. CUT EXISTING FORCE MAIN PIPE AND REDIRECT FLOWS TO THE OUTGOING PIPE ONCE ALL CONNECTIONS ARE FINALIZED AND MTL-SI IS ACTIVATED. SHAPE CHANNEL ACCORDINGLY.
 9. SUMPING ANTICIPATED.



PROJECT MANAGER		E. DESOUZA
PROJECT ENGINEER		P. HOOD
QUALITY CONTROL		M. GOSSETT
DRAFTER		R. PARKS
PROJECT NUMBER		50180675

ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION



COLORADO SPRINGS UTILITIES NORTHERN MONUMENT CREEK INTERCEPTOR AND MIDDLE TRIBUTARY LIFT STATION INTERCEPTOR CONNECTION

**PLAN & PROFILE
STA 17+00 TO STA 23+00**

FILENAME: 03C102.DWG
 SCALE: AS NOTED
 SHEET: **03C102**

GENERAL GRADING, EROSION, AND SEDIMENT CONTROL PLAN NOTES

1. GRADING, EROSION, AND SEDIMENT CONTROL (GES) IS USED INTERCHANGEABLY WITH STORMWATER MANAGEMENT PLAN (SWMP) THROUGHOUT THE PLAN SET.
2. CONSTRUCTION ACCESS POINTS SHALL HAVE CONSTRUCTION BOUNDARY FENCE DELINEATING BOTH SIDES AT A MINIMUM. ACCESS MAY BE ALONG A PAVED ROAD WITH VTO ENTRY/EXIT OR VIA GRAVELED ACCESS. GRAVELED ACCESS CAN BE MAINTAINED DIRT ROAD OR INTERNAL GRAVEL PIT ROAD, GENERALLY AGGREGATE SURFACED SO THAT VEHICLES ARE NOT PICKING UP SEDIMENT BY TRAVELING ON ROAD.
3. CONTRACTOR TO TEMPORARILY STABILIZE (EX. SURFACE ROUGHEN OR MULCH) ALL DISTURBED AREAS WITHIN 14 DAYS OF THE AREA BEING INACTIVE, UNLESS JURISDICTIONAL REQUIREMENTS ARE MORE RESTRICTIVE.
4. CONTRACTOR TO PERMANENTLY STABILIZE (EX. PAVE OR APPLY SEED AND MULCH) AREAS THAT WILL NO LONGER UNDERGO DISTURBANCE DUE TO CONSTRUCTION WITHIN 14 DAYS OF SUCH AREAS REMAINING DORMANT OR UNDISTURBED, UNLESS JURISDICTIONAL REQUIREMENTS ARE MORE RESTRICTIVE.
5. CONTRACTOR TO PHASE WORK AS MUCH AS PRACTICABLE TO MINIMIZE CONSTRUCTION IN FLOODPLAINS DURING LIKELY FLOODING SEASON, MAY - SEPTEMBER.
6. CONTRACTOR TO STORE MATERIAL STOCKPILED OVERNIGHT OR LONGER OUTSIDE OF FLOODPLAINS AS MUCH AS PRACTICABLE.
7. FOR CONSTRUCTION THAT OCCURS INSIDE OF A FLOODPLAIN, CONTRACTOR TO STABILIZE DISTURBED AREAS WHERE CONSTRUCTION HAS BEEN COMPLETED WITHIN 5 DAYS DURING LIKELY FLOODING SEASON, MAY - SEPTEMBER.
8. SUBMIT NOTICE OF TERMINATION AS REQUIRED (LOCAL, COUNTY, AND STATE).
9. SEDIMENT CONTROL LOG (SCL) AND SILT FENCE (SF) MAY BE USED INTERCHANGEABLY AT THE DISCRETION OF THE CONTRACTOR UNLESS OTHERWISE PROHIBITED BY LOCAL JURISDICTIONAL REQUIREMENTS.
10. IF LINEAR BMP'S RUN CONTINUOUSLY THROUGHOUT SEVERAL VIEWS OR SHEETS, THE LINEAR FEET DISTANCES ARE MEASURED PER EACH VIEW FROM MATCH LINE TO MATCH LINE.
11. LOCATIONS OF PERIMETER SCL/SF ARE APPROXIMATE.
12. IF EXISTING SITE CONDITIONS (I.E. FENCES, WALLS, TOPOGRAPHY) PROVIDE SUFFICIENT PERIMETER CONTROL, CF MAY NOT BE REQUIRED IN SOME AREAS.
13. SEE ACCESS ROAD SWMP SHEETS FOR CONTROL MEASURES OUTSIDE OF PIPELINE EASEMENT.
14. SEE SPECIFICATION SECTIONS 01 57 19 AND 32 92 00 FOR SPECIFIC CONSTRUCTION AND RESTORATION REQUIREMENTS.
15. USE CAUTION WHEN PLACING CONSTRUCTION BOUNDARY FENCE AND SILT FENCE NEAR SHALLOW UTILITIES.

OVERLAY & PRESERVATION EASEMENT NOTE:

THE CITY STREAMSIDE OVERLAY AND CITY HILLSIDE OVERLAY ARE NOT APPLICABLE. THERE ARE NO PRESERVATION EASEMENTS ON SITE.

ANTICIPATED SCHEDULE:

BEGIN DISTURBANCE: SUMMER 2026
 END DISTURBANCE: SUMMER 2028
 FINAL STABILIZATION: SUMMER 2028

RECEIVING WATERS:

MONUMENT CREEK

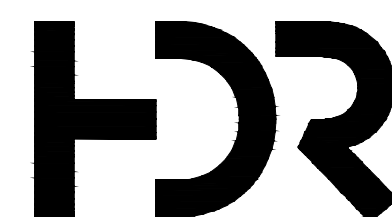
EXISTING VEGETATION NOTE:

MOST OF THE PROJECT AREA IS CONSIDERED UPLAND GRASSLAND WHICH CONSISTS OF BOTH NATIVE AND NON-NATIVE GRASSES, PLANTS, SHRUBS, AND TREES. EXISTING VEGETATIVE COVERAGE FOR THE PROJECT SITE IS ESTIMATED TO RANGE FROM 70-75% BASED ON SITE VISITS AND AERIAL IMAGERY.

SOME RIPARIAN AND WETLAND AREAS DO EXIST WITHIN THE PROJECT AREA AND ARE DELINEATED ON THE PLANS. IMPACTS TO THESE AREAS WILL GENERALLY BE AVOIDED BY THE USE OF TRENCHLESS TECHNOLOGIES.

BMP INSTALLATION SEQUENCING CHART

EROSION CONTROL MEASURE	INITIAL PHASE	INTERIM PHASE	FINAL PHASE
CONSTRUCTION BOUNDARY FENCE	X	X	
SILT FENCE	X	X	
EROSION CONTROL BLANKET			X
INLET PROTECTION	X	X	
VEHICLE TRACKING CONTROL	X	X	
SEEDING AND MULCHING			X
STOCKPILE MANAGEMENT		X	
ROCK SOCK PROTECTION	X	X	
CHECK DAM	X	X	

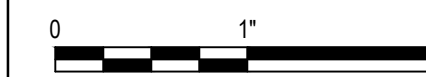


ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
 NORTHERN MONUMENT CREEK
 INTERCEPTOR AND MIDDLE TRIBUTARY
 LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
 NOTES**

FILENAME | 05C001.DWG
 SCALE | AS NOTED

SHEET
05C001

GENERAL NOTES (CITY OF COLORADO SPRINGS)

EL PASO COUNTY HAS ACCEPTED GEC PERMIT AUTHORITY FROM THE CITY OF COLORADO SPRINGS FOR THE RELEVANT PORTIONS OF THIS PROJECT. COORDINATE WITH EL PASO COUNTY FOR INSPECTIONS, REQUIREMENTS, AND QUESTIONS.

- 1. NO CLEARING, GRADING, EXCAVATION, OR OTHER LAND DISTURBING ACTIVITIES SHALL BE ALLOWED (EXCEPT FOR WORK DIRECTLY RELATED TO THE INSTALLATION OF INITIAL CONTROL MEASURES) UNTIL A GEC PERMIT HAS BEEN ISSUED.
2. ALL LAND DISTURBING ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH AND THE APPROVED GEC PLAN AND CSWMP.
3. INITIAL CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES TAKING PLACE. AN INITIAL SITE INSPECTION WILL NOT BE SCHEDULED UNTIL A GEC PERMIT HAS BEEN "CONDITIONALLY APPROVED."
...
18. APPLICANT REPRESENTS AND WARRANTS THAT THEY HAVE THE LEGAL AUTHORITY TO GRADE AND/OR CONSTRUCT IMPROVEMENTS ON ADJACENT PROPERTY. THE CITY HAS NOT REVIEWED THE DEVELOPER'S AUTHORITY TO MODIFY ADJACENT PROPERTY. AN APPROVED GEC PERMIT DOES NOT PROVIDE APPROVAL FOR THE APPLICANT TO PERFORM WORK ON ADJACENT PROPERTY.

GENERAL NOTES (UNITED STATES AIR FORCE ACADEMY)

- 1. TOPSOIL STOCKPILES SHALL NOT HAVE SIDE SLOPES GREATER THAN 3:1 AND SHALL NOT EXCEED TEN FEET (10') IN HEIGHT. STOCKPILES SHALL BE SEEDED WITH THE TEMPORARY SEED MIX OR WITH THE APPROPRIATE PERMANENT NATIVE SEED MIX WITHIN 14 DAYS OF STOCKPILING. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE USED AROUND THE DOWNGRADE PERIMETER OF ALL STOCKPILES, INCLUDING TOPSOIL STOCKPILES.
2. WETLAND TOPSOIL SHALL BE SALVAGED AND STOCKPILED SEPARATELY. STOCKPILED WETLAND TOPSOIL SHALL ONLY BE USED IN AREAS WHERE WETLANDS WILL BE REESTABLISHED. WETLAND TOPSOIL SHOULD BE SALVAGED AND REPLACED IN WETLAND ESTABLISHMENT AREAS AS SOON AS POSSIBLE TO AVOID A LOSS IN VIABILITY. WETLAND TOPSOIL STOCKPILES SHALL NOT EXCEED THREE FEET (3') IN HEIGHT OR WIDTH AND SHALL NOT BE KEPT FOR MORE THAN FOUR WEEKS. STOCKPILING WETLAND TOPSOIL IN THE SUMMER OR DURING PERIODS OF HIGH TEMPERATURES SHOULD BE AVOIDED WHEN POSSIBLE.
...
9. EROSION CONTROL BLANKETS, STRAW COIR LOGS, AND/OR SOIL BERMS SHALL BE USED WHENEVER RECLAIMING AND STABILIZING SLOPES GREATER THAN 4:1 OR ALONG DRAINAGEWAYS.

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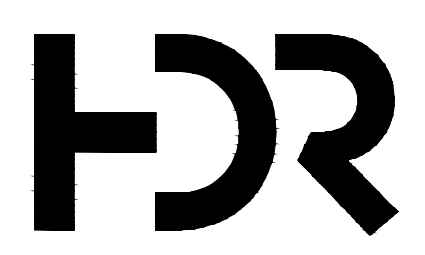


Table with 3 columns: ISSUE, DATE, DESCRIPTION. Row 1: A, 05/2026, ISSUED FOR CONSTRUCTION

Table with 2 columns: ROLE, NAME. PROJECT MANAGER: STEVEN T. POOL; PROJECT ENGINEER: R. KEATLEY; QUALITY CONTROL: M. GOSSETT; DRAFTER: T. HICKS; PROJECT NUMBER: 10393769



COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION



SWMP/GEC
COLORADO SPRINGS & USAFA NOTES

FILENAME: 05C002.DWG
SCALE: AS NOTED

SHEET
05C002

GENERAL NOTES (EL PASO COUNTY)

1. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
2. A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR CDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).
3. CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).
4. ALL CCMS SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMS AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMS ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMS.
5. PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
6. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMS OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMS ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.
7. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATION UPGRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMS UPGRADIENT OF THE VEGETATIVE BUFFER.
8. TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
9. EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.
10. VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCs MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON-STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
11. ANY TEMPORARY OR PERMANENT CONTROL MEASURE DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
12. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER. PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
13. ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
14. SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).
15. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMS SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.

16. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
17. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK, OR STREAM.
18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES, OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
20. THE PERMIT HOLDER(S) SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
21. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
22. MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCE.
23. BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM, OR OTHER FACILITIES.
24. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
25. ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
26. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
27. FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
28. PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR40000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
 WATER QUALITY CONTROL DIVISION
 WQCD-PERMITS
 4300 CHERRY CREEK DRIVE SOUTH
 DENVER, CO 80246-1530
 ATTN: PERMITS UNIT

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY, AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RH C Keatley _____ 05/05/2026
 ENGINEER OF RECORD SIGNATURE DATE

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER, HAVE READ AND COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

_____ 5/5/2026
 OWNER SIGNATURE DATE

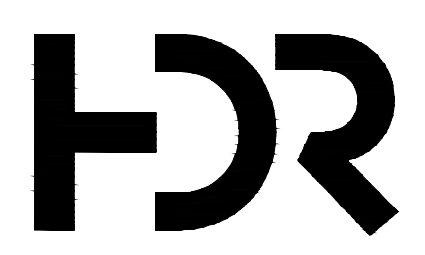
EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT BEEN STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

_____ DATE
 JOSHUA J. PALMER, P.E.
 COUNTY ENGINEER/ECM ADMINISTRATOR

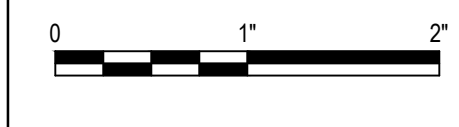


ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
 NORTHERN MONUMENT CREEK
 INTERCEPTOR AND MIDDLE TRIBUTARY
 LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
 EL PASO COUNTY NOTES**

FILENAME | 05C003.DWG
 SCALE | AS NOTED

SHEET
05C003

ECB
Erosion Control Blanket

1.0 DESCRIPTION

- Woven blankets made of natural and biodegradable materials placed on disturbed areas and secured to the ground with staples or stakes.

2.0 PURPOSE

- Used to control erosion, retain sediment resulting from sheet flow, and protect newly seeded areas.

3.0 IMPLEMENTATION

- Install erosion control blankets over uniform surfaces, with no large rocks, vegetation, or rills.
- Properly prepare topsoil and apply seed prior to blanket installation.
- Erosion control blankets must be made from 100% natural and biodegradable materials.
- Turf reinforcement mats may be used in place of erosion control blankets when specified by engineer.


4.0 TIMING

- Install in disturbed areas after final grading and seeding has been completed.
- Leave erosion control blankets in place to biodegrade, or remove if required by the GEC Inspector.

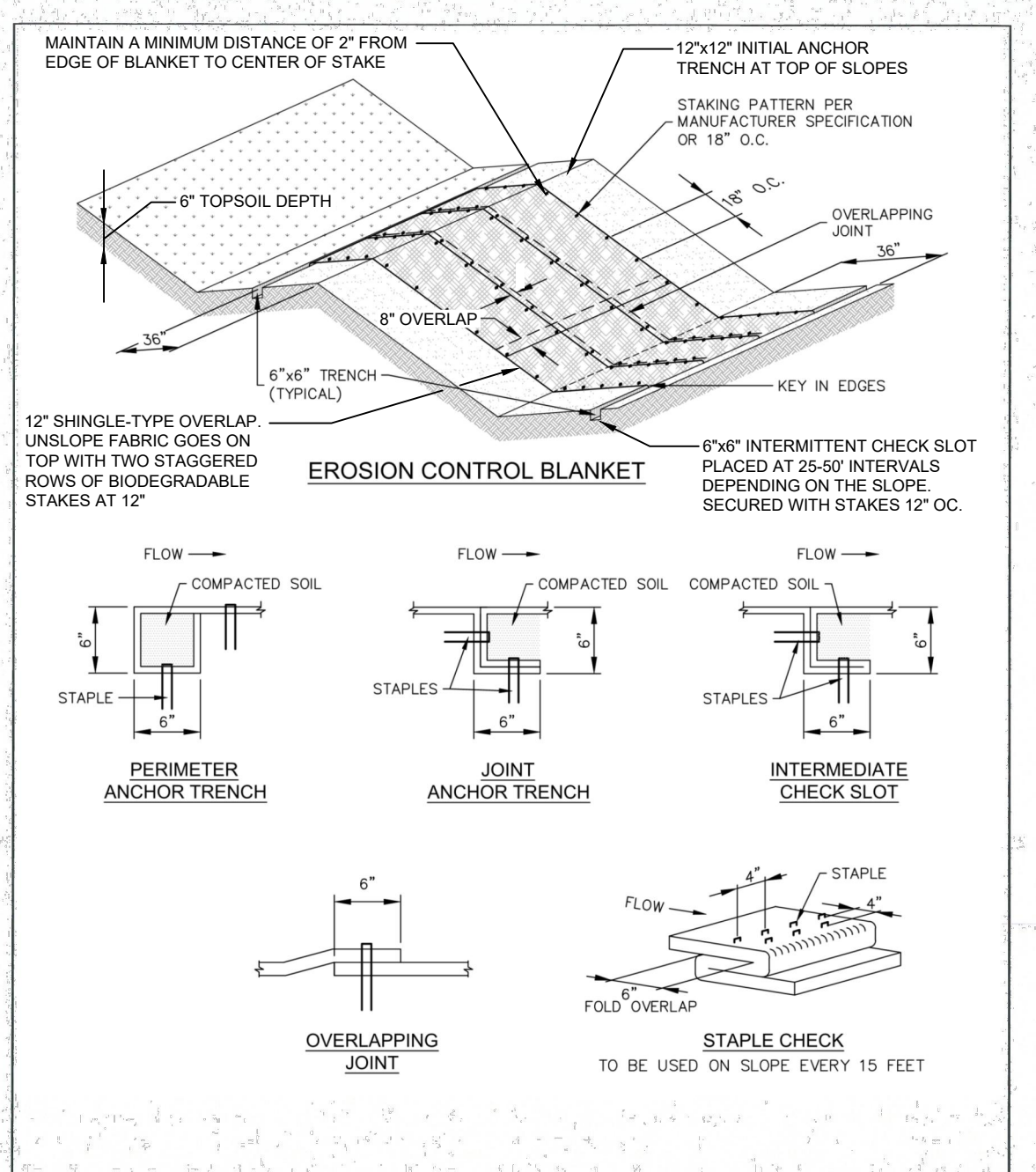
5.0 MAINTENANCE

- Any erosion control blanket pulled out, torn, or otherwise damaged shall be repaired or reinstalled.
- Any subgrade areas below the geotextile that have eroded to create a void under the blanket, or that remain devoid of grass shall be repaired, reseeded and mulched and the erosion control blanket reinstalled.
- Broken or damaged staking must be repaired immediately when identified.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020



INSTALLATION NOTES:

- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
- IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
- INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
- STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITH STREAMS AND DRAINAGE CHANNELS.
- COMPACT ALL TRENCHES.
- STAKE TYPES SHALL BE THE FOLLOWING:
 - A. KOIR FABRIC SHALL BE SECURED USING 2"x2" WOOD STAKES AS SHOWN IN DETAIL. THESE STAKES SHALL BE DRIVEN TO A DEPTH THAT LEAVES 3" MAX EXPOSED ABOVE THE FABRIC.
 - B. COCONUT FABRIC SHALL BE SLOPED DEPENDENT. IF SLOPES GREATER THAN 3:1 OR EROSION CONTROL FABRIC WILL EXPERIENCE LIVE STORM FLOWS, USE 2"x2" WOOD STAKES. OTHERWISE, USE ECO-STAKES.
- METAL STAPLES ARE NOT ALLOWED.
- BLANKET SHOULD NOT BE STRETCHED TIGHT BUT SHOULD HAVE FULL CONTACT WITH THE SOIL BELOW.
- REFER TO STAPLE PATTERN GUIDE FOR SLOPES FOR APPROPRIATE STAKE SPACING AND PATTERN.

MAINTENANCE NOTES:

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
- ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW				DOUBLE/STANDARD
STRAW-COCONUT	30% MIN.	70% MAX.		REFER TO PLANS
COCONUT	100%			REFER TO PLANS
EXCELSIOR			100%	REFER TO PLANS

ECB

STORMWATER ENTERPRISE

EROSION CONTROL BLANKET

APPROVED: [Signature] DATE: 10/7/19 REVISION: 8/19/2020 DRAWING NO. 800-ECB-1

INSTALLATION NOTES:

- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
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- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
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 - B. COCONUT FABRIC SHALL BE SLOPED DEPENDENT. IF SLOPES GREATER THAN 3:1 OR EROSION CONTROL FABRIC WILL EXPERIENCE LIVE STORM FLOWS, USE 2"x2" WOOD STAKES. OTHERWISE, USE ECO-STAKES.
- METAL STAPLES ARE NOT ALLOWED.
- BLANKET SHOULD NOT BE STRETCHED TIGHT BUT SHOULD HAVE FULL CONTACT WITH THE SOIL BELOW.
- REFER TO STAPLE PATTERN GUIDE FOR SLOPES FOR APPROPRIATE STAKE SPACING AND PATTERN.

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TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW				DOUBLE/STANDARD
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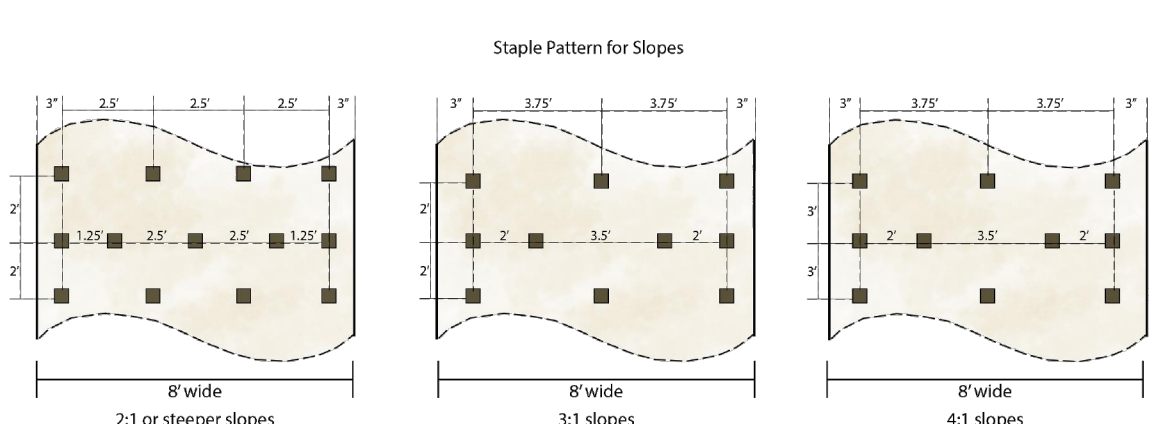
ECB

STORMWATER ENTERPRISE

EROSION CONTROL BLANKET

APPROVED: [Signature] DATE: 10/7/19 REVISION: 8/19/2020 DRAWING NO. 800-ECB-1

Figure 9: Erosion Control Blanket Staking Patterns



Staple Pattern for Slopes

2:1 or steeper slopes 3:1 slopes 4:1 slopes

ECB

STORMWATER ENTERPRISE

EROSION CONTROL BLANKET

APPROVED: [Signature] DATE: 10/7/19 REVISION: 8/19/2020 DRAWING NO. 800-ECB-1

SF
Silt Fence

1.0 DESCRIPTION

- Silt fence is a temporary sediment barrier consisting of woven geotextile fabric attached to supporting posts and trenched into the soil.

2.0 PURPOSE

- Used to intercept sheet flow prior to leaving a construction site.
- May be used around the perimeter of a construction site.

3.0 IMPLEMENTATION

- Install silt fence to intercept sheet flow runoff from disturbed areas.
- Silt fence is not designed to be used as a filter fabric.
- Do not install silt fence across streams, channels, swales, ditches, or other drainageways.
- Install silt fence along the contour of slopes or in a manner to avoid creating concentrated flow (i.e. 'J-hook' installation).
- The maximum tributary drainage area per 100 liner feet of silt fence is 1/4 acre.
- Properly installed silt fence should not be easily pulled out by hand and there should be no gaps between the ground and fabric.


4.0 TIMING

- Install prior to land disturbing activities.
- Remove silt fence after the upstream area has been permanently stabilized.

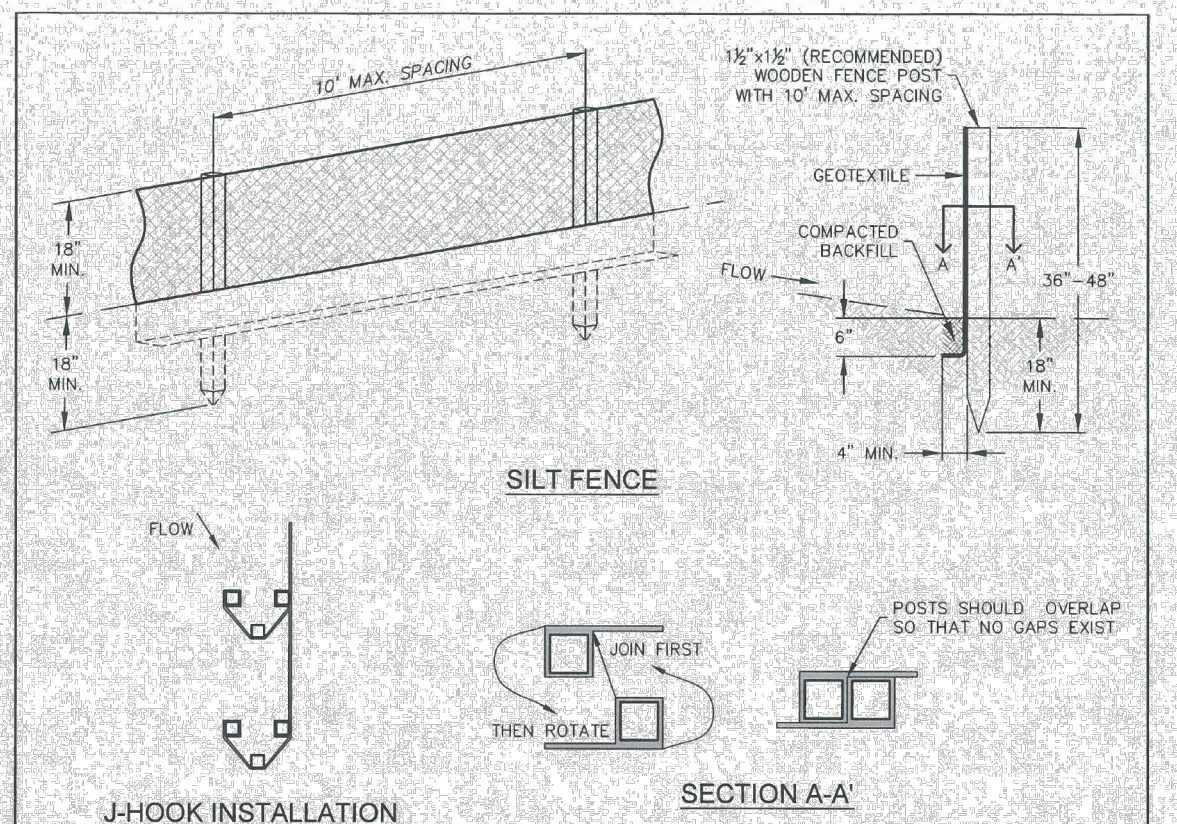
5.0 MAINTENANCE

- Remove and properly dispose of sediment when it has accumulated to 1/2 of the height of the exposed silt fence.
- Inspect for and repair or replace damaged silt fence.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020



INSTALLATION NOTES:

- SILT FENCE MUST BE PLACED ON A FLAT SURFACE 2'-3' AWAY FROM TOE OF THE SLOPE TO ALLOW FOR PONDING AND DEPOSITION.
- COMPACT THE TRENCH USING A JUMPING JACK OR WHEEL ROLLING TO THE POINT THAT THE FENCE RESISTS BEING PULLED OUT OF THE GROUND BY HAND.
- SILT FENCE SHALL BE TIGHT WITH NO SAGS AFTER IT HAS BEEN ANCHORED.
- FABRIC SHALL BE ATTACHED TO POSTS WITH 1" HEAVY DUTY STAPLES OR 1" NAILS. THESE SHOULD BE PLACED VERTICALLY DOWN THE POST, 3" APART. THE PREFERRED INSTALLATION METHOD USES A TRENCHER OR SILT FENCE INSTALLATION DEVICE.
- INSTALL SILT FENCE ALONG THE CONTOUR OF THE SLOPES OR IN A MANNER TO AVOID CREATING CONCENTRATED FLOW (SUCH AS A "J-HOOK" INSTALLATION).

MAINTENANCE NOTES:

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 1/2 OF THE DESIGN HEIGHT OF THE SILT FENCE.
- SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
- PERMANENTLY STABILIZE AREA AFTER SILT FENCE IS REMOVED.

SF

STORMWATER ENTERPRISE

SILT FENCE

APPROVED: [Signature] DATE: 10/7/19 REVISION: 8/19/2020 DRAWING NO. 800-SF

SM
Seeding and Mulching

1.0 DESCRIPTION

- The preparation of soil, application of mulch, and application of seed to disturbed areas.

2.0 PURPOSE

- Used to control runoff and erosion on disturbed areas by establishing vegetative cover.
- Reduces erosion and sediment loss.
- Provides permanent stabilization in disturbed areas.

3.0 IMPLEMENTATION

- All soil testing, soil amendment and fertilizer documentation, and seed load and bag tickets must be added to the CSWMP.
- Properly prepare soil prior to seeding and mulching.
- Apply seed mixes as specified in the City of Colorado Springs Stormwater Construction Manual. Alternative seed mixes are acceptable if included in an approved Landscaping Plan.
- Mulch seeded areas using hay or straw mulch, hydraulic mulching, or install erosion control blanket.


4.0 TIMING

- Seed and mulch disturbed areas after final grading.
- Seeding and mulching may also be used as a temporary erosion control measure during construction.

5.0 MAINTENANCE

- Repair and reseed bare areas as necessary.
- Restrict vehicle access to seeded areas.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020

SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

- IN AREAS TO BE SEED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRAGILE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
- AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
- THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES, AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
- TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE. AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

- ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
- SEED SHOULD BE DRILL-SEED WHENEVER POSSIBLE.
- SEED DEPTH MUST BE 1/2 TO 1 INCHES WHEN DRILL-SEEDING IS USED.
- BROADCAST SEEDING OR HYDRO-SEEDING WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED.
- SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLION DRILL OR HYDRO-SEEDING.
- BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL.

MULCHING

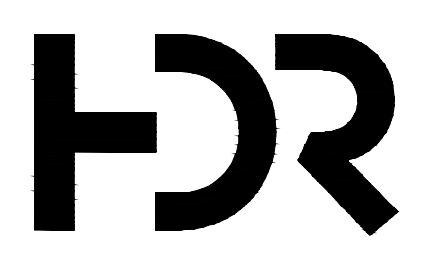
- MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING. HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
- MULCHING REQUIREMENTS INCLUDE:
 - HAY OR STRAW MULCH
 - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
 - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
 - HYDRAULIC MULCHING
 - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
 - IF HYDRO-SEEDING IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
 - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
 - EROSION CONTROL BLANKET
 - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.

SM

STORMWATER ENTERPRISE

SEEDING & MULCHING

APPROVED: [Signature] DATE: 10/7/19 REVISION: 8/19/2020 DRAWING NO. 800-SM



PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769

ISSUE DATE DESCRIPTION

A 05/2026 ISSUED FOR CONSTRUCTION



COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION



SWMP/GEC
STORM WATER MANAGEMENT PLAN
DETAILS

FILENAME 05C004.DWG
SCALE AS NOTED

ISSUE SHEET
05C004

CWA
Concrete Washout Area

1.0 DESCRIPTION

- Concrete washout areas consist of either an excavated pit or a prefabricated haul-away container designed to contain concrete and concrete waste water.

2.0 PURPOSE

- Used to contain concrete and concrete waste water when the chutes of concrete mixers and hoppers of concrete pumps are rinsed out after delivery.
- Concrete washout areas consolidate solids for easier disposal and prevent runoff of concrete waste water, which is alkaline and contains high levels of chromium.

3.0 IMPLEMENTATION

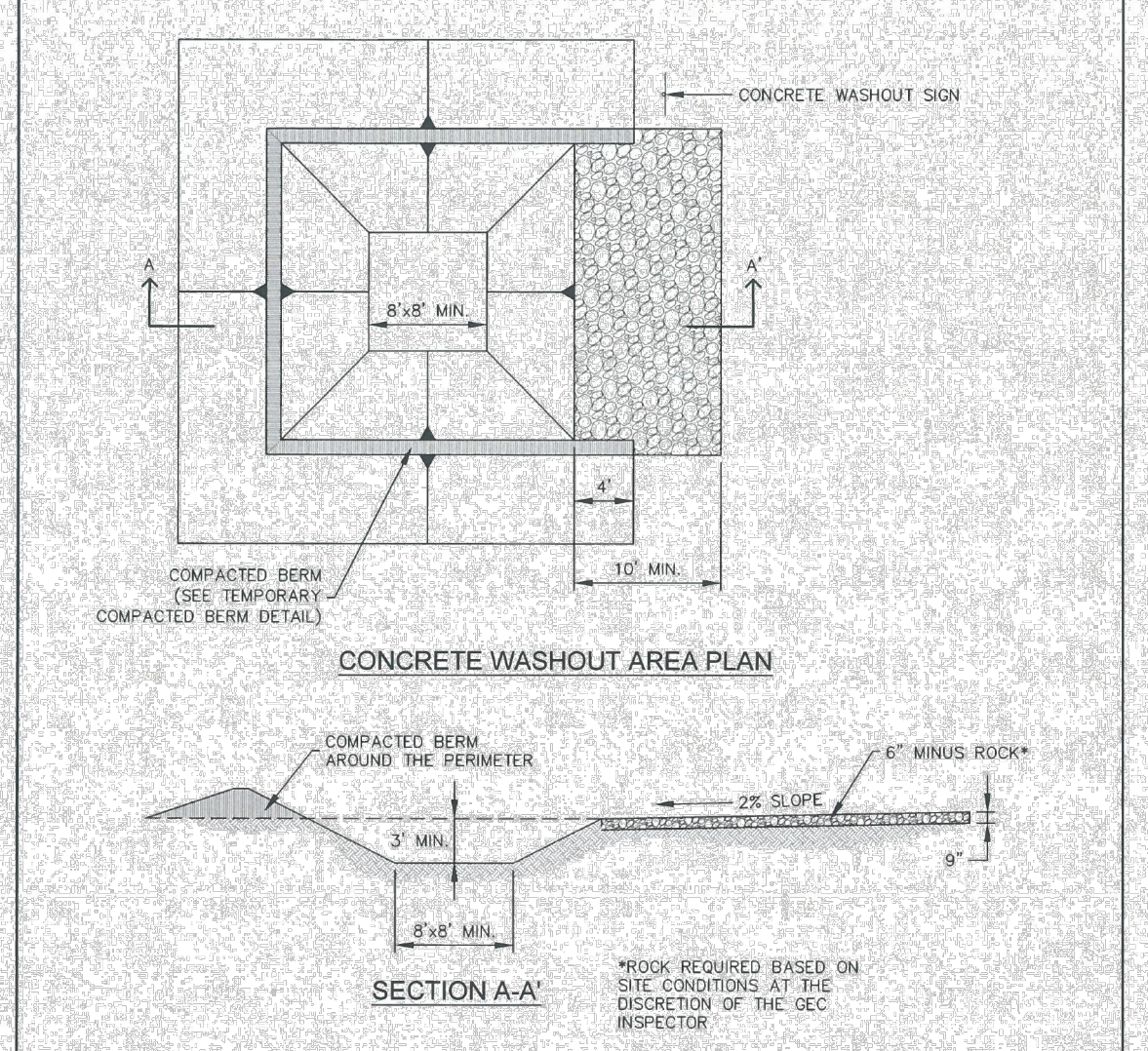
- Locate at least 50 feet away from State Waters, measured horizontally. Unlined concrete washout areas must be located at least 400 feet away from State Waters, and at least 1000 feet away from wells or drinking water sources.
- Do not locate in areas where shallow groundwater may be present, such as near natural drainages, springs, or wetlands.
- Do not place in areas subject to run-on.
- Label areas with appropriate signage.
- The addition of solvents, flocculents, or acid to wash water is prohibited.

4.0 TIMING

- Install prior to concrete activities.
- Remove after concrete activities have concluded.

5.0 MAINTENANCE

- Clean out facilities once they are 2/3 full, or construct new facilities for additional capacity.
- Concrete waste must be permanently disposed of off-site in an appropriate manner.



INSTALLATION NOTES:

- SEE PLAN VIEW FOR:
 - LOCATION OF CONCRETE WASHOUT AREA
 - LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
 - AN IMPERMEABLE LINER (1/8" MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
 - DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
 - THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 - CONCRETE WASH AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 6' BY 8'.
 - BERM SURROUNDING SIDES AND BACK OF CONCRETE WASH AREA SHALL HAVE A MINIMUM HEIGHT OF 2' FEET.
 - CONCRETE WASH AREA ENTRANCE SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH AREA.
 - SIGNS SHALL BE PLACED AT THE CONCRETE WASH AREA.
 - USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

MAINTENANCE NOTES:

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 3/4 THE HEIGHT OF THE CONCRETE WASH AREA.
- 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.
- THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

CONCRETE WASHOUT AREA

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-CW-1

IP
Inlet Protection

1.0 DESCRIPTION

- Inlet protection consists of a permeable sediment barrier installed around a storm inlet.

2.0 PURPOSE

- Used to minimize the amount of sediment and debris entering a storm drainage system prior to permanent stabilization of the contributing disturbed area.
- Inlet protection slows down runoff velocity to filter runoff and to promote sedimentation prior to entry into a storm drainage system.

3.0 IMPLEMENTATION

- Install inlet protection at storm sewer inlets that are operable and receiving runoff from disturbed areas during construction.
- Place inlet protection to allow the inlet to function without completely blocking flows into the inlet in a manner that causes localized flooding.
- Inlet protection is not a stand-alone control measure and should be used in conjunction with other upgradient control measures. Inlet protection in areas with a contributing drainage area of one acre or larger must be part of a treatment train.
- When selecting the type of inlet protection, consider factors such as type of inlet, traffic, anticipated flows, ability to secure the inlet protection, safety, and other site-specific conditions.

4.0 TIMING

- Install prior to land disturbing activities, or immediately after inlet installation.
- Remove and properly dispose of inlet protection after the contributing drainage area has been permanently stabilized.

5.0 MAINTENANCE

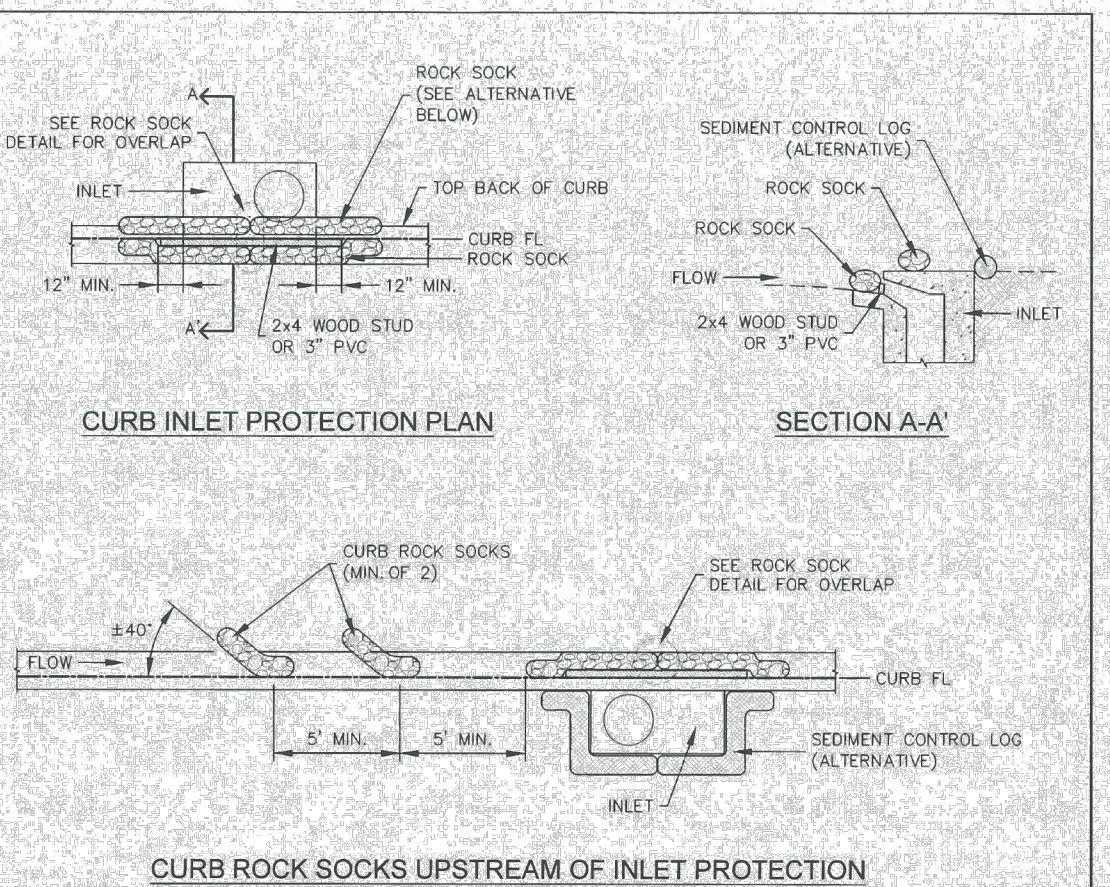
- Remove and properly dispose of sediment when it has accumulated to 1/2 of the design depth of the inlet barrier.
- Inspect for holes or tears that can result in sediment directly entering the inlet.
- Inspect for displaced inlet protection that is no longer protecting the inlet.

CONCRETE WASHOUT AREA

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-CW-1



INSTALLATION NOTES:

- SEE ROCK SOCK DETAIL FOR INSTALLATION REQUIREMENTS.
- PLACEMENT OF THE ROCK SOCK SHALL BE APPROXIMATELY 40 DEGREES FROM THE CURB.
- ROCK SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5' APART.
- AT LEAST TWO CURB ROCK SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.
- ADDITIONAL ROCK SOCKS MAY BE REQUIRED AT GEC INSPECTOR'S DISCRETION.

MAINTENANCE NOTES:

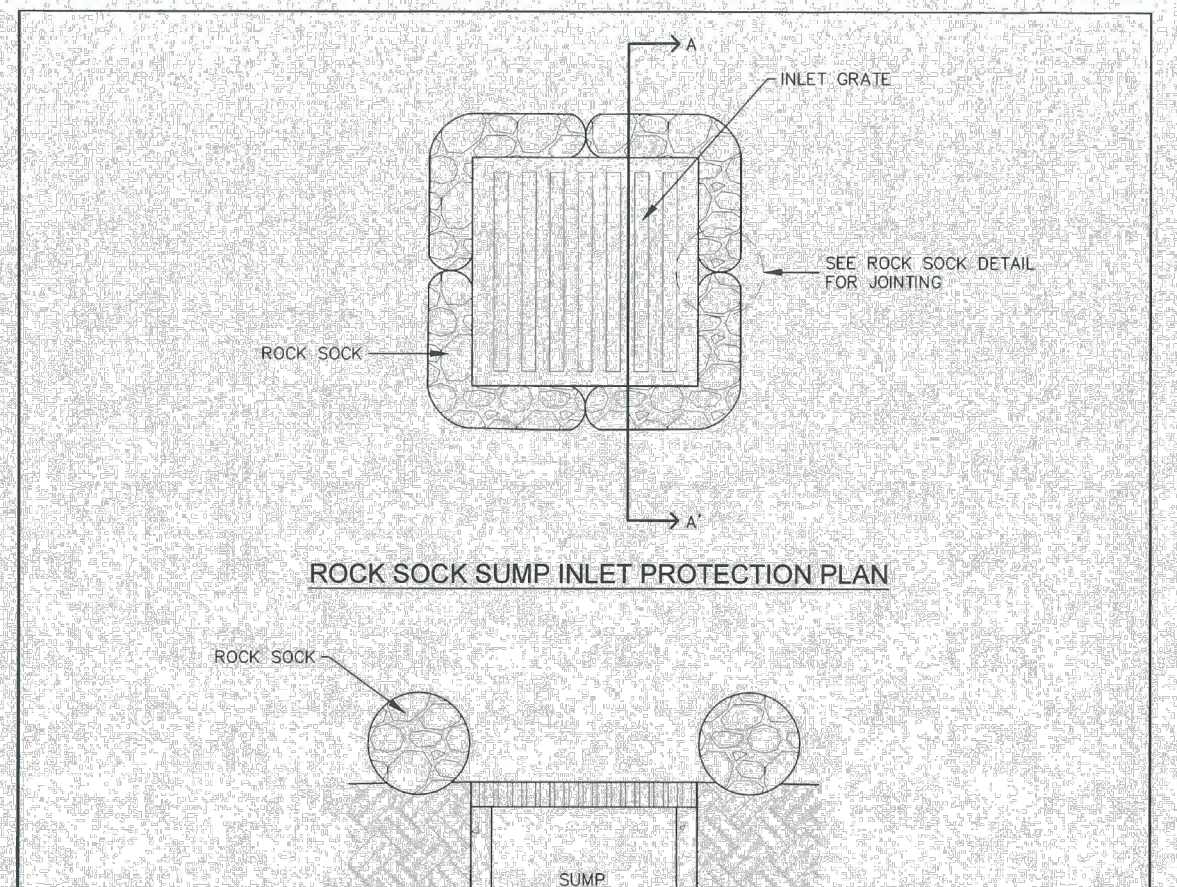
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- ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 3/4 OF THE DESIGN DEPTH OF THE INLET BARRIER.
- ROCK SOCKS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
- PERMANENTLY STABILIZE AREA BEHIND INLET AFTER ROCK SOCKS ARE REMOVED WHEN REMOVAL IS APPROPRIATE.

ON-GRADE INLET PROTECTION

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-IP-1



INSTALLATION NOTES:

- SEE ROCK SOCK DETAIL FOR INSTALLATION REQUIREMENTS.
- SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS IN PERVIOUS AREAS.
- INSTALL PER SEDIMENT CONTROL LOG DETAIL.
- CONTROL MEASURES MUST BE WRAPPED AROUND INLET AS TIGHTLY AS POSSIBLE.

MAINTENANCE NOTES:

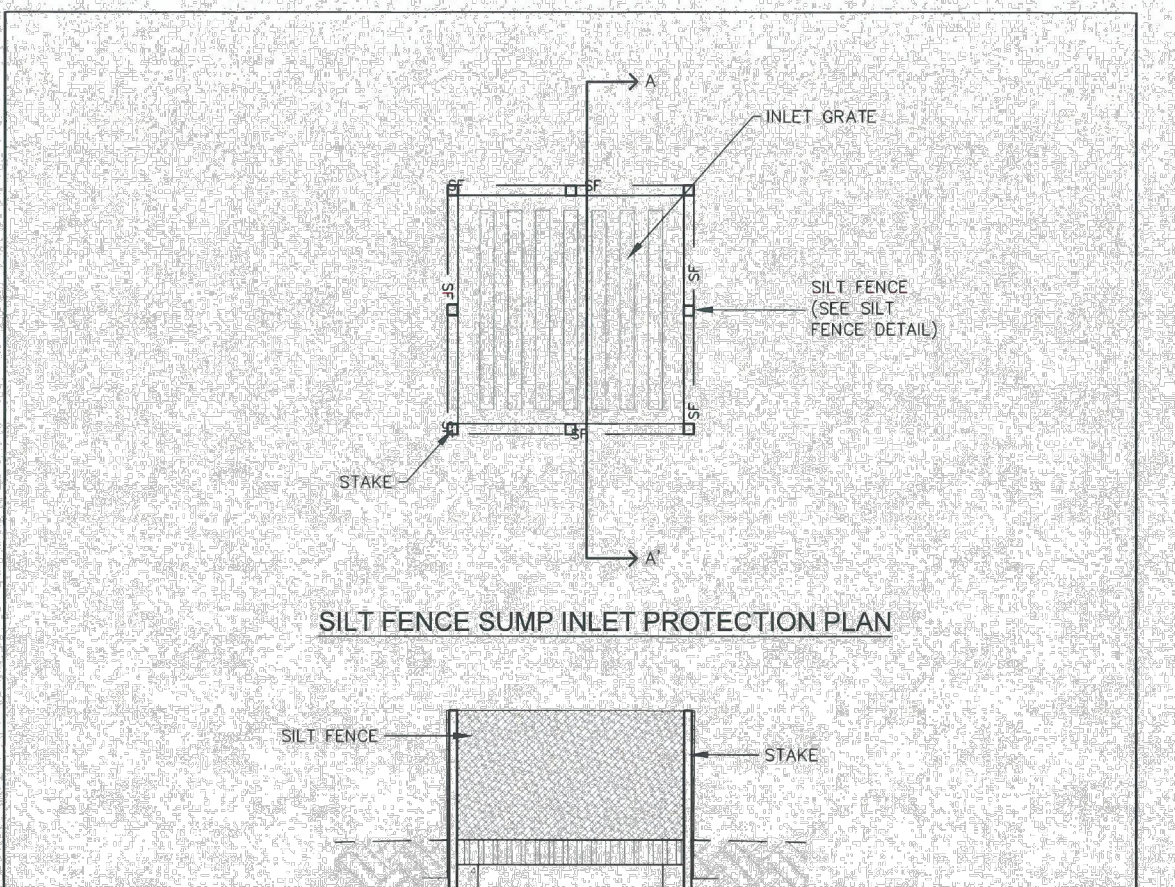
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- ROCK SOCKS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
- PERMANENTLY STABILIZE AREA AROUND INLET AFTER ROCK SOCKS ARE REMOVED WHEN REMOVAL IS APPROPRIATE.

SUMP INLET PROTECTION

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-IP-2



INSTALLATION NOTES:

- SEE SILT FENCE DETAIL FOR INSTALLATION REQUIREMENTS.
- POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF THREE FEET.
- SILT FENCE FABRIC SHOULD HAVE A FLOW RATE IN EXCESS OF 30 GALLONS PER MINUTE PER SQUARE YARD SO AS TO ALLOW SOME WATER FLOW AND NOT DAM THE WATER. STANDARD, LOW-FLOW SILT FENCE FABRIC WILL NOT BE ALLOWED.

MAINTENANCE NOTES:

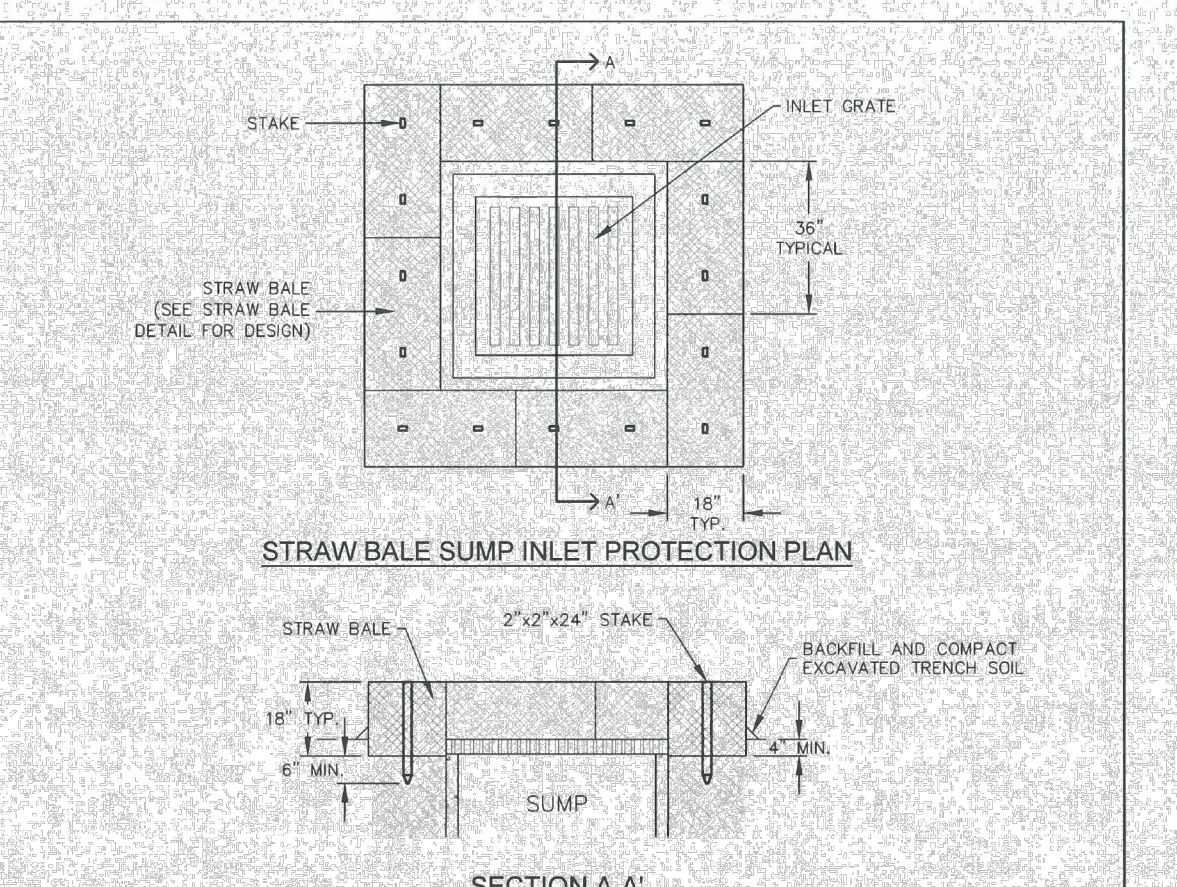
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- ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 3/4 OF THE DESIGN DEPTH OF THE INLET BARRIER.
- SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
- PERMANENTLY STABILIZE AREA AROUND INLET AFTER SILT FENCE IS REMOVED WHEN REMOVAL IS APPROPRIATE.

SUMP INLET PROTECTION

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-IP-3



INSTALLATION NOTES:

- BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH THE ENDS OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
- STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.
- STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.
- STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36" BY 18" BY 6".
- A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE FRACED SO THAT THE BINDING TIME IS ENCOMPASSING THE VERTICAL SIDES OF THE BALES.
- TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"x2"x24" (MIN.) WOODEN STAKES SHALL BE DRIVEN A MINIMUM OF 6" INTO THE GROUND.

MAINTENANCE NOTES:

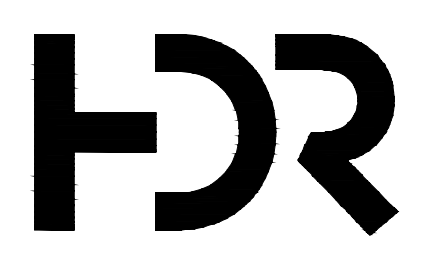
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 3/4 OF THE DESIGN DEPTH OF THE INLET BARRIER.
- STRAW BALES MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
- PERMANENTLY STABILIZE AREA AROUND INLET AFTER STRAW BALES ARE REMOVED WHEN REMOVAL IS APPROPRIATE.
- STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN OR DAMAGED BEYOND REPAIR.

SUMP INLET PROTECTION

APPROVED: [Signature]

DESIGNED BY: [Signature]

DATE: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-IP-4

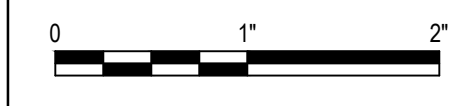


ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
STORM WATER MANAGEMENT PLAN
DETAILS**

FILENAME | 05C005.DWG
SCALE | AS NOTED

SHEET | 05C005

RS
Rock Sock

1.0 DESCRIPTION

- A rock sock consists of gravel that has been wrapped by wire mesh or a geotextile to form an elongated cylindrical filter.

2.0 PURPOSE

- Used to slow down the velocity of runoff to filter runoff and to promote sedimentation.
- Rock socks are typically used as either perimeter control or as a part of inlet protection.

3.0 IMPLEMENTATION

- Rock socks do not require trenching or staking, and are able to be placed on hard surfaces where trenching or staking would be impossible.
- The maximum tributary drainage area per 100 liner feet of rock socks is 1/4 acre.
- When placed in a gutter adjacent to a curb, rock socks should protrude no more than two feet from the curb in order for traffic to pass safely.
- Proprietary rock socks can be used in place of wire mesh rock socks.


4.0 TIMING

- Install prior to land disturbing activities, or immediately after inlet installation.
- Remove and properly dispose of inlet protection after the contributing drainage area has been permanently stabilized.

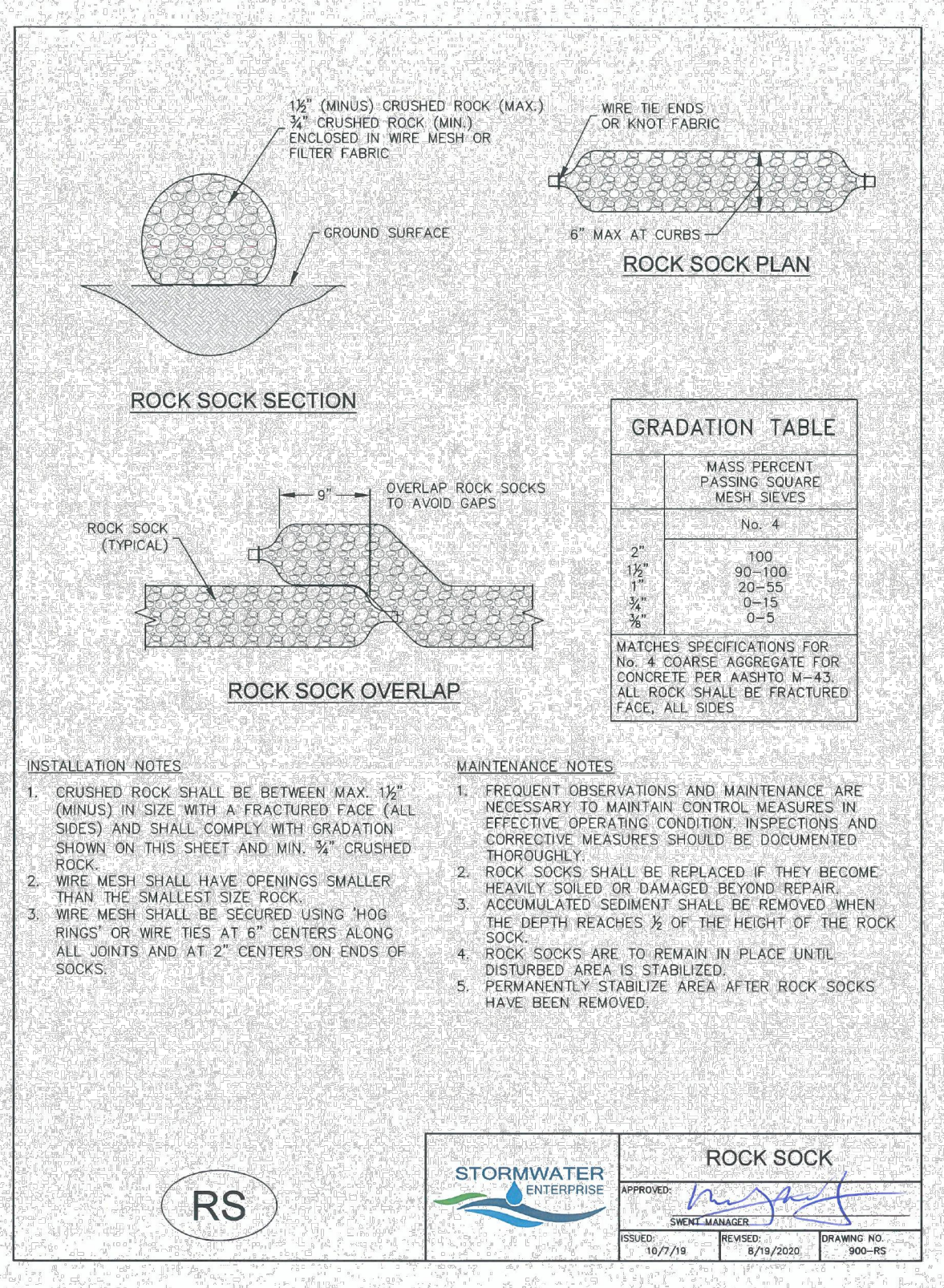
5.0 MAINTENANCE

- Remove and properly dispose of sediment when it has accumulated to 1/2 of the height of the rock sock.
- Inspect for and replace damaged or displaced rock socks.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020



PT
Portable Toilet

1.0 DESCRIPTION

- The portable toilet detail provides requirements for portable toilet use on construction sites.

2.0 PURPOSE

- Used to minimize the risk of pollutant migration to State Waters.

3.0 IMPLEMENTATION

- Place portable toilet a minimum of 10 feet from the back of curb or on a trailer for road projects or sites that are mostly paved.
- Anchor portable toilet to the ground, at a minimum of two opposing corners (on a diagonal) using U-shaped rebar stakes.


4.0 TIMING

- Install as needed.
- Remove prior to the end of construction. Permanently stabilize any disturbed areas associated with the installation, maintenance, and/or removal of the toilets.

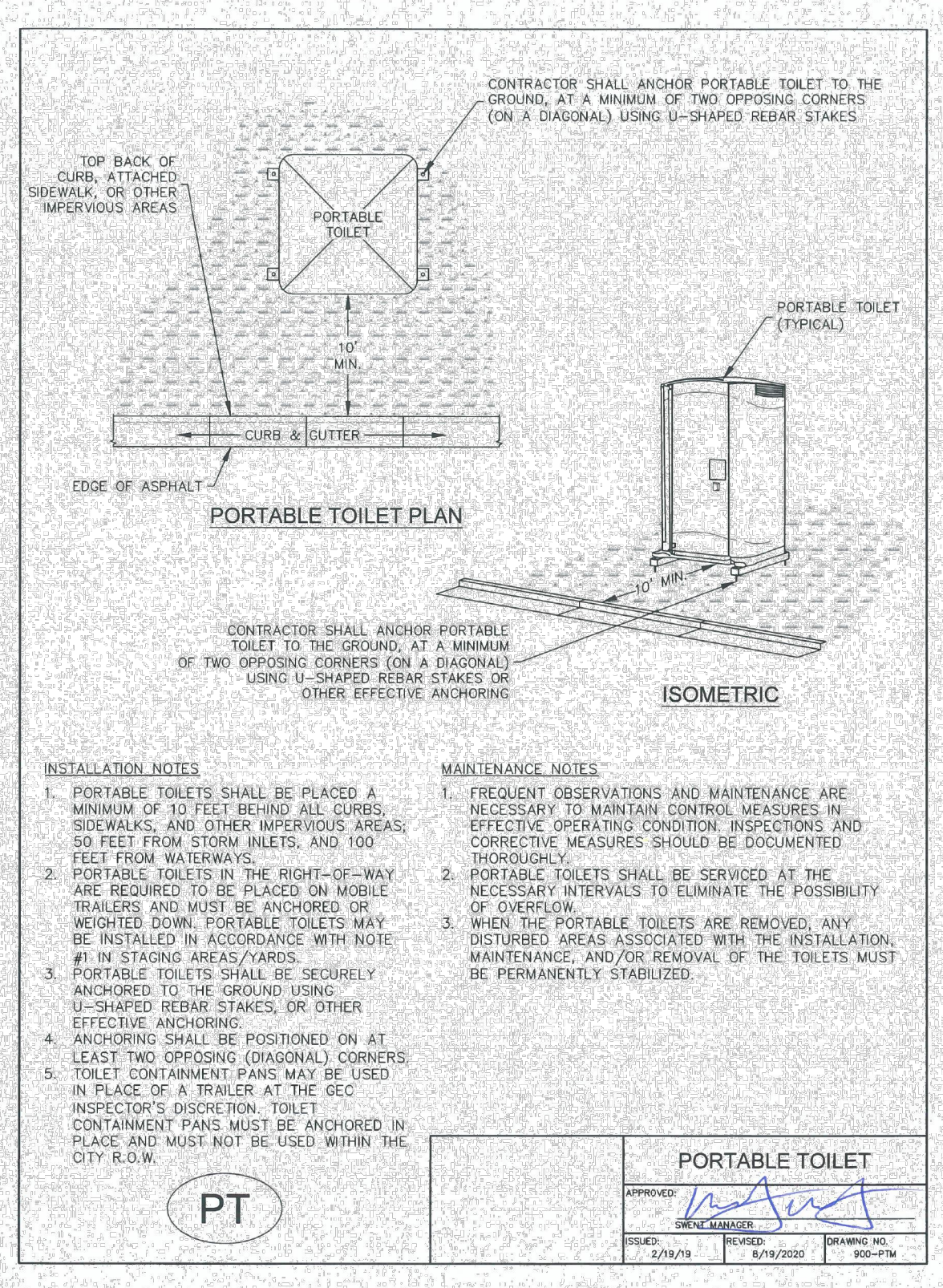
5.0 MAINTENANCE

- Portable toilets shall be serviced at the necessary intervals to eliminate the possibility of overflow.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020



SP
Stockpile Protection

1.0 DESCRIPTION

- Perimeter control placed around stockpiles of soil and other erodible materials.

2.0 PURPOSE

- Used to avoid the migration of sediment and other materials from stockpiles.

3.0 IMPLEMENTATION

- Install perimeter control around stockpile on downgradient side.
- Stockpile perimeter controls may not be required for stockpiles on the interior portion of a construction site where other downgradient controls including perimeter control are in place.


4.0 TIMING

- Install immediately after stockpile has formed or limits are known, whichever occurs first.
- Remove stockpile protection after the stockpile has been removed.

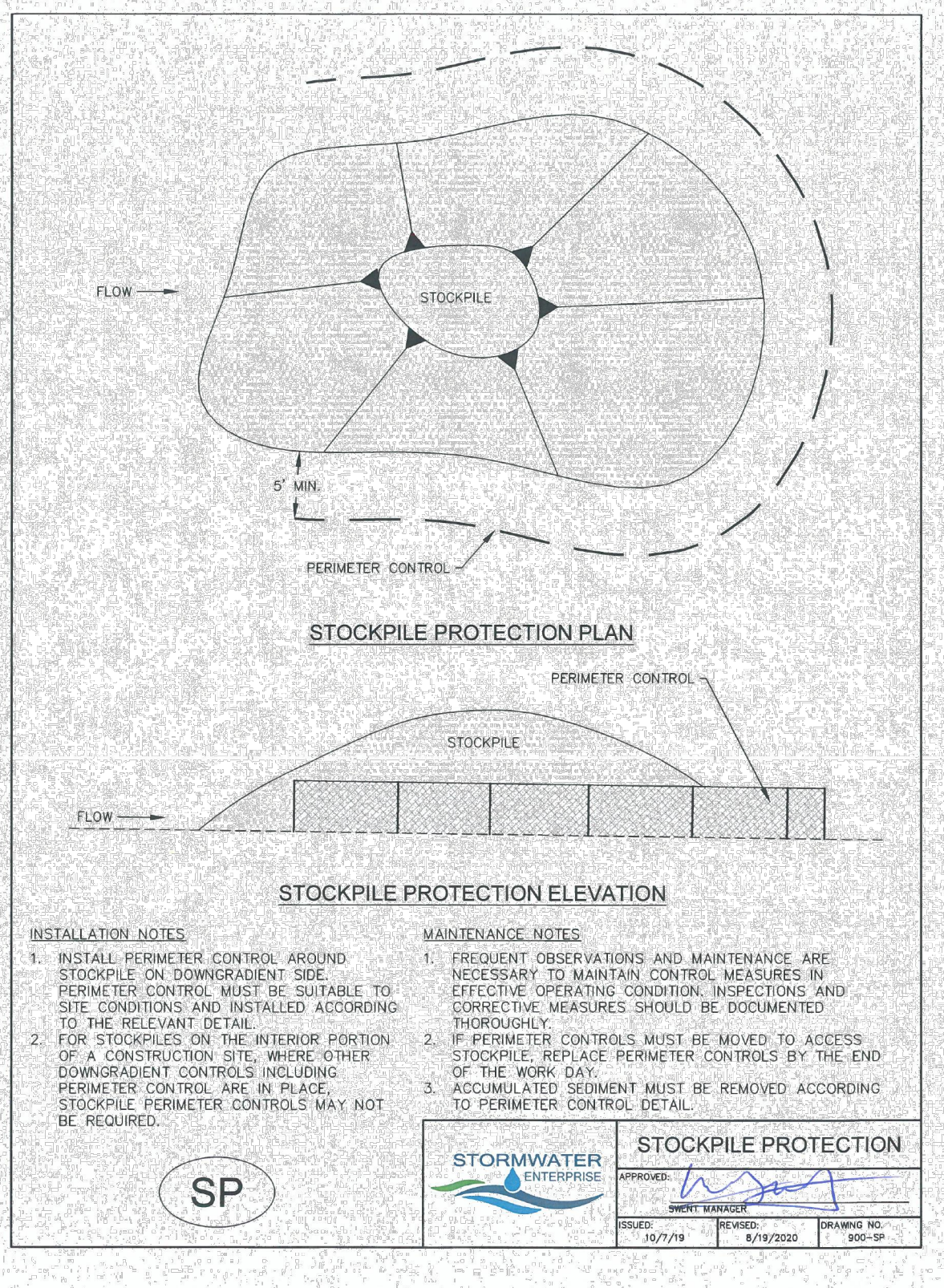
5.0 MAINTENANCE

- Remove and properly dispose of sediment according to the perimeter control detail.
- If perimeter controls must be moved to access stockpile, replace perimeter controls by the end of the work day.
- Inspect for and repair and/or replace perimeter controls as needed to maintain functionality.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020



VTC
Vehicle Tracking Control

1.0 DESCRIPTION

- Vehicle tracking control consists of a pad of coarse stone aggregate placed on a geotextile filter fabric.

2.0 PURPOSE

- Used to reduce the tracking of sediment onto roadways by construction vehicles.
- As vehicles drive over the VTC device, mud and sediment is removed from the tires.

3.0 IMPLEMENTATION

- Locate at construction entrance/exit.
- Organize site to ensure that all vehicles use the vehicle tracking control device.
- Where possible, grade VTC device to drain to construction site rather than to street.
- Proprietary VTC devices may be used if approved as an alternative Construction Control Measure.


4.0 TIMING

- Install prior to land disturbing activities.
- Remove when the potential for sediment migration onto adjacent roadways no longer exists (typically after site has been stabilized). Permanently stabilized area after vehicle tracking control is removed.

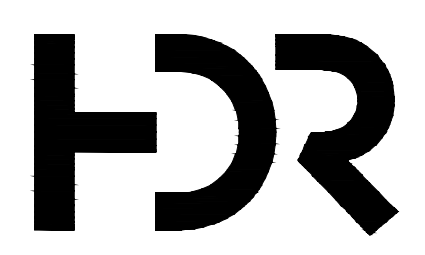
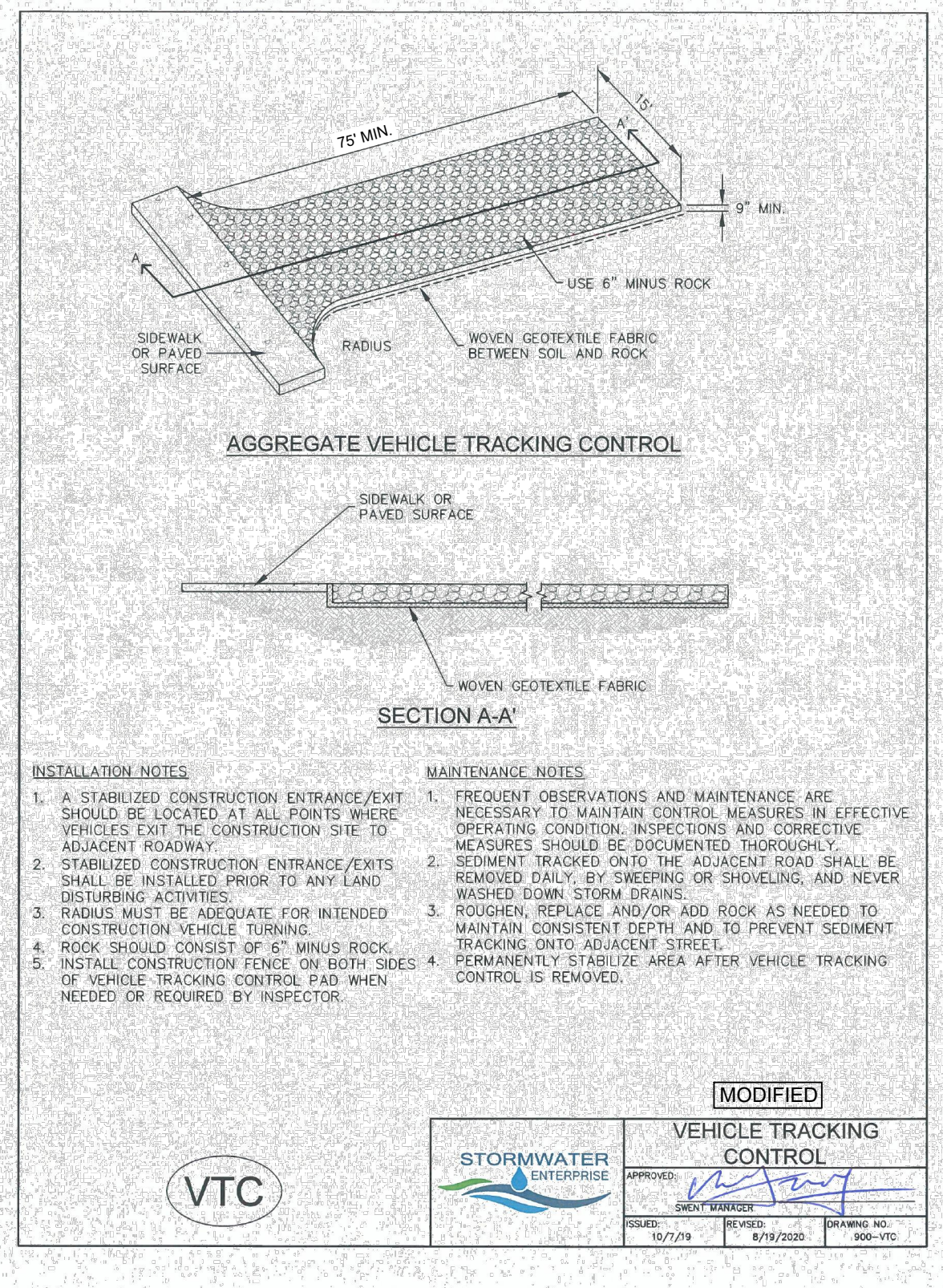
5.0 MAINTENANCE

- Roughen, replace, and/or add rock as needed to maintain a consistent depth and to prevent sediment tracking onto adjacent street.
- Sediment tracked onto the adjacent road shall be removed daily, by sweeping or shoveling, and never washed down storm drains.

City of Colorado Springs
Stormwater Enterprise



Construction Control Measures
December 2020

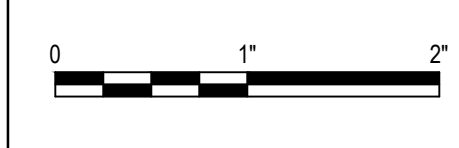


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PROJECT NUMBER	10393769



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
STORM WATER MANAGEMENT PLAN
DETAILS**

FILENAME | 05C006.DWG
SCALE | AS NOTED

SHEET
05C006

SCL
Sediment Control Log

1.0 DESCRIPTION

- A sediment control log is a temporary sediment barrier consisting of a linear roll of natural materials such as straw, compost, excelsior or coconut fiber.

2.0 PURPOSE

- Used to intercept sheet flow prior to leaving a construction site.
- May be used around the perimeter of a construction site.
- Placed on long slopes to slow down flows.

3.0 IMPLEMENTATION

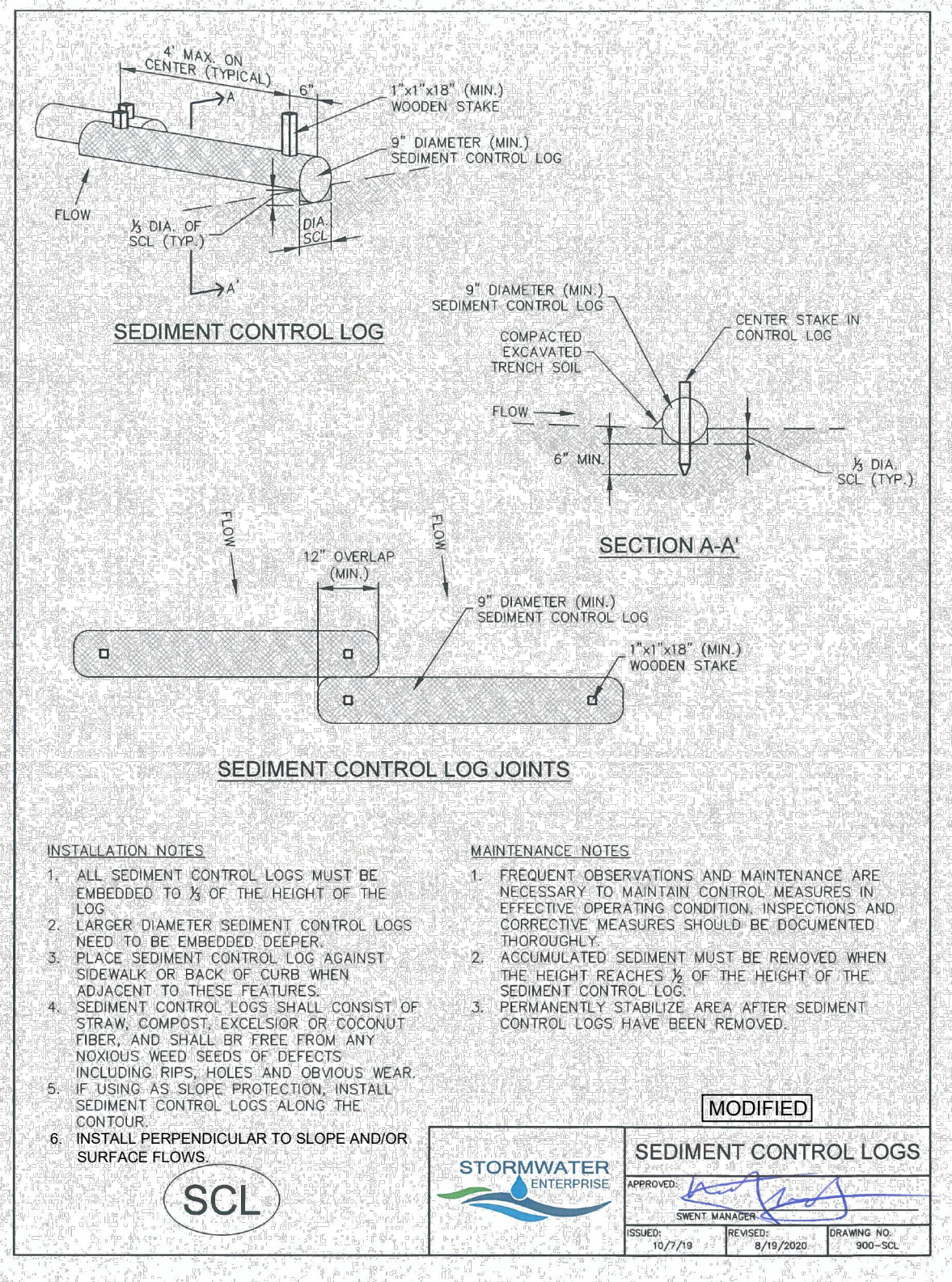
- Install sediment control logs to intercept sheet flow runoff from disturbed areas.
- Install sediment control logs along the contour of slopes or in a manner to avoid creating concentrated flow.
- Place sediment control logs against sidewalk or back of curb when adjacent to these features.
- The maximum tributary drainage area per 100 linear feet of sediment control logs is 1/4 acre.
- Sediment control logs shall consist of straw, compost, excelsior or coconut fiber, and shall be free from any noxious weed seeds or defects.

4.0 TIMING

- Install prior to land disturbing activities.
- Remove sediment control logs after the upstream area has been permanently stabilized.

5.0 MAINTENANCE

- Remove and properly dispose of sediment when it has accumulated to 1/2 of the height of the exposed sediment control log.
- Inspect for and repair or replace damaged sediment control logs.



CD
Check Dam

1.0 DESCRIPTION

- Check dams are small temporary rock dams constructed across a swale or drainage ditch.

2.0 PURPOSE

- Used to slow down the velocity of concentrated flow to limit erosion and to promote sedimentation.
- Placed in areas of concentrated flow, such as a ditch or swale.

3.0 IMPLEMENTATION

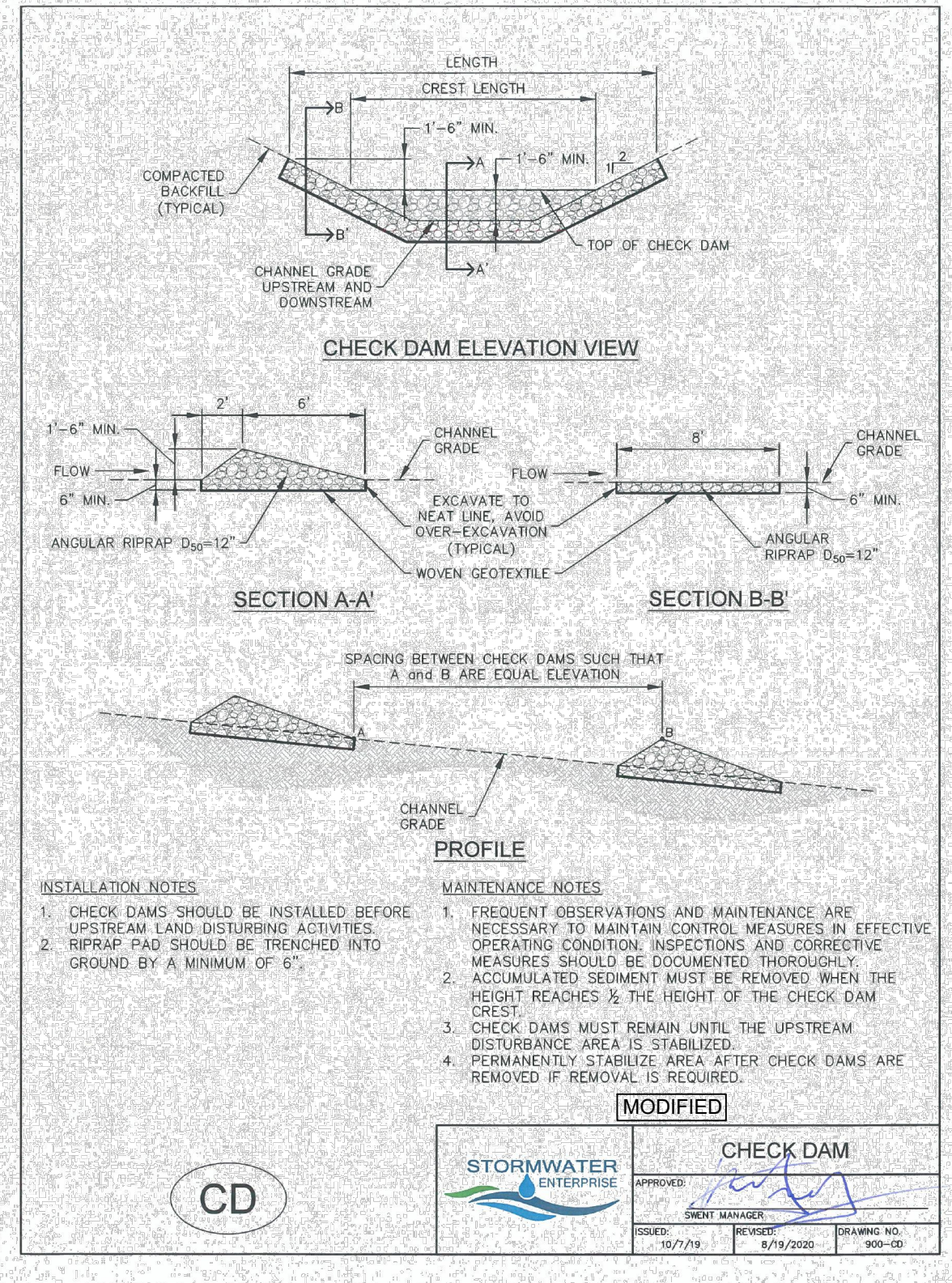
- Place check dams at regular intervals perpendicular to the direction of flow.
- Use check dams on mild or moderately steep slopes.
- Install wide enough check dams to reach from bank to bank of the ditch or swale.
- In general, the maximum spacing between check dams should be such that the toe of the upstream check dam is at the same elevation as the top of the downstream check dam.
- During installation, place rock mechanically or by hand.

4.0 TIMING

- Install prior to land disturbing activities.
- Remove after surrounding area has been permanently stabilized, or immediately prior to installation of a non-erodible lining. Permanently stabilize bare areas caused by check dams after removal.

5.0 MAINTENANCE

- Remove and properly dispose of sediment when it has accumulated to 1/2 of the height of the check dam crest.
- Replace missing rocks causing voids in the check dam.
- Inspect for erosion along the ends of check dams and repair when necessary.



SPACING TABLE	
SLOPE	SPACING
0.50%	302 LF
1.00%	152 LF
2.00%	77 LF
3.00%	52 LF
4.00%	39 LF
5.00%	32 LF
6.00%	27 LF
8.00%	21 LF
10.00%	17 LF
20.00%	9 LF

CIP
Culvert Inlet Protection

1.0 DESCRIPTION

- Culvert inlet protection consists of a permeable sediment barrier installed upstream of a flared end section entrance to a culvert or storm sewer.

2.0 PURPOSE

- Used to prevent sediment and debris from entering a culvert or storm drainage system prior to permanent stabilization of the contributing disturbed area.
- Culvert inlet protection slows down runoff velocity to filter runoff and to promote sedimentation prior to entry into a culvert or storm drainage system.

3.0 IMPLEMENTATION

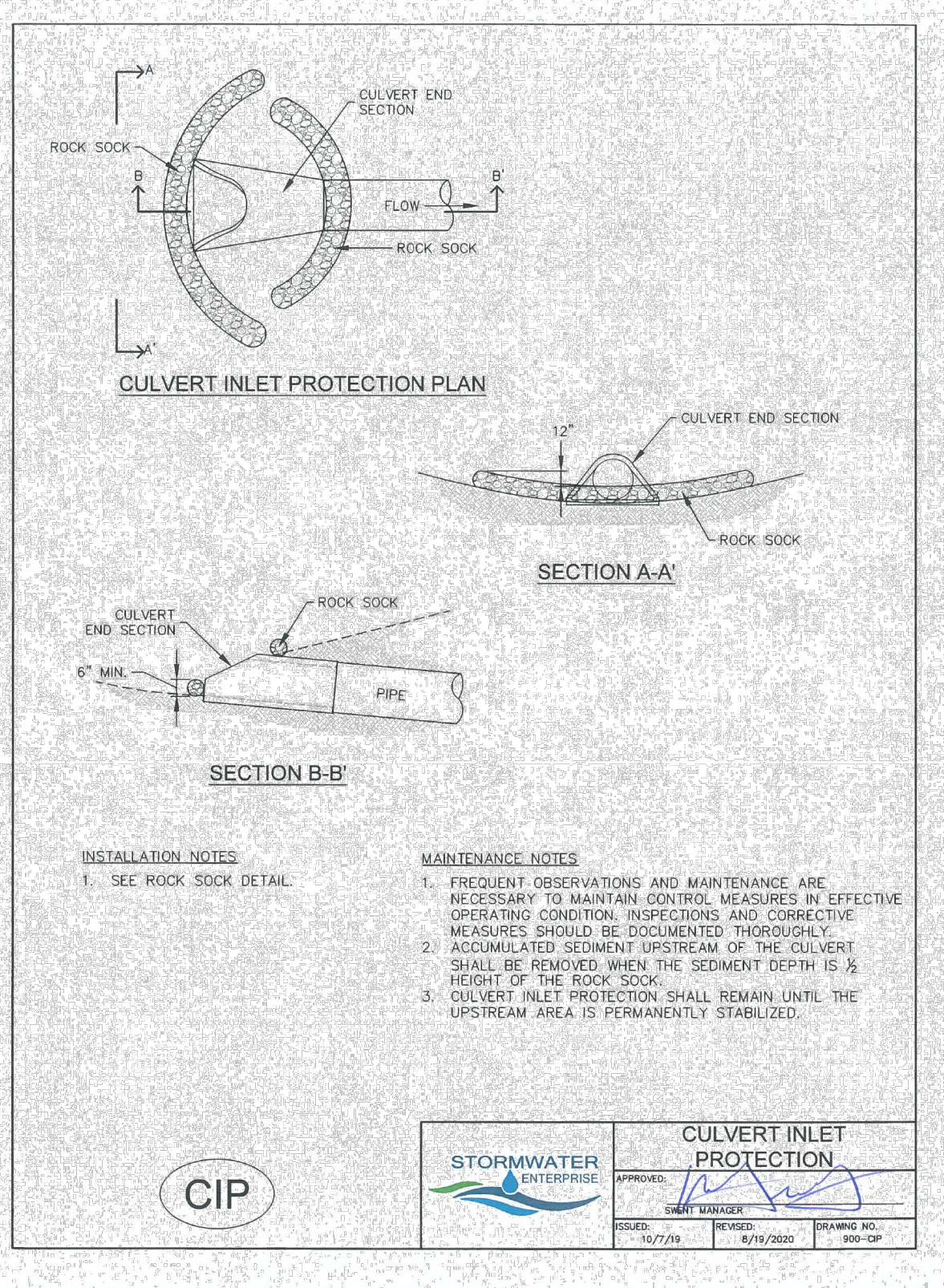
- Install culvert inlet protection at flared end section inlets to culverts and storm sewers that are operable and receiving runoff from disturbed areas during construction.
- Culvert inlet protection is not a stand-alone control measure and should be used in conjunction with other upgradient control measures. Culvert inlet protection with a contributing drainage area including of one acre or more of disturbed area must be part of a treatment train.

4.0 TIMING

- Install prior to land disturbing activities, or immediately after pipe installation.
- Remove and properly dispose of culvert inlet protection after the contributing drainage area has been permanently stabilized.

5.0 MAINTENANCE

- Remove and properly dispose of sediment when it has accumulated to 1/2 of the height of the rock sock.
- Inspect for displaced rock socks that are no longer protecting the inlet.



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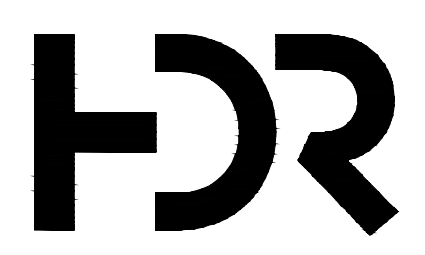
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



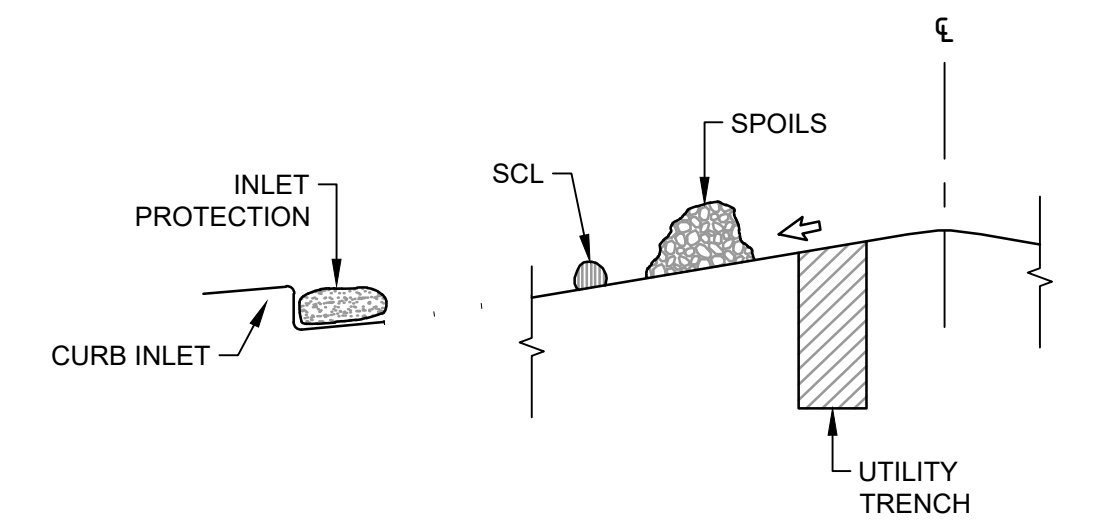
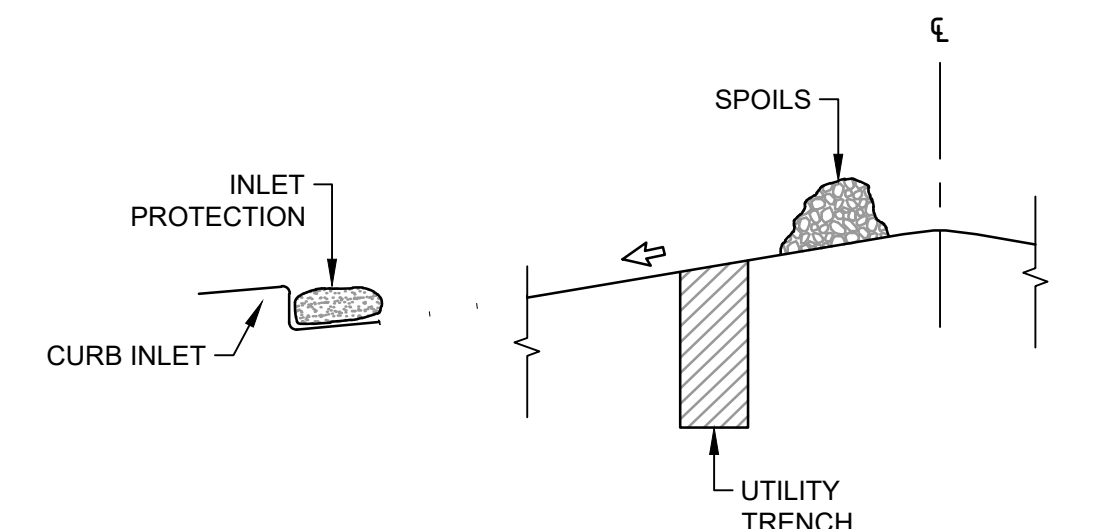
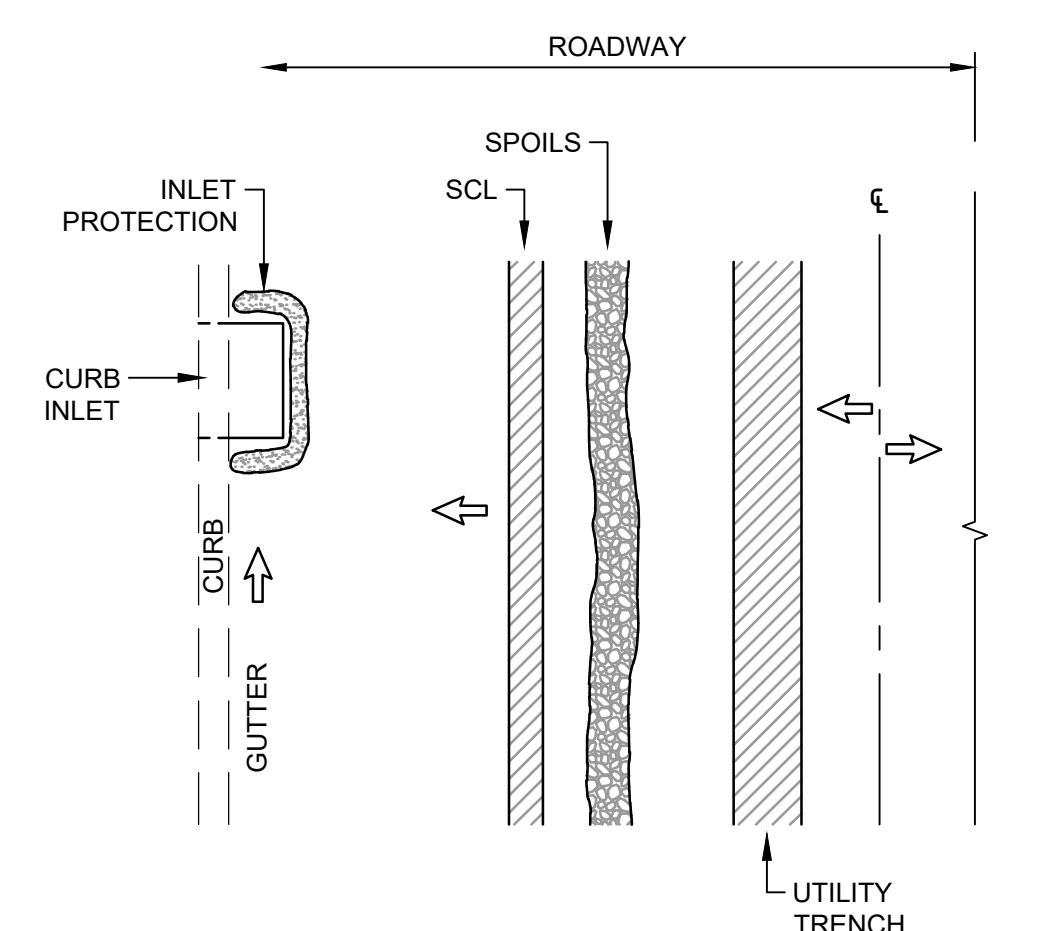
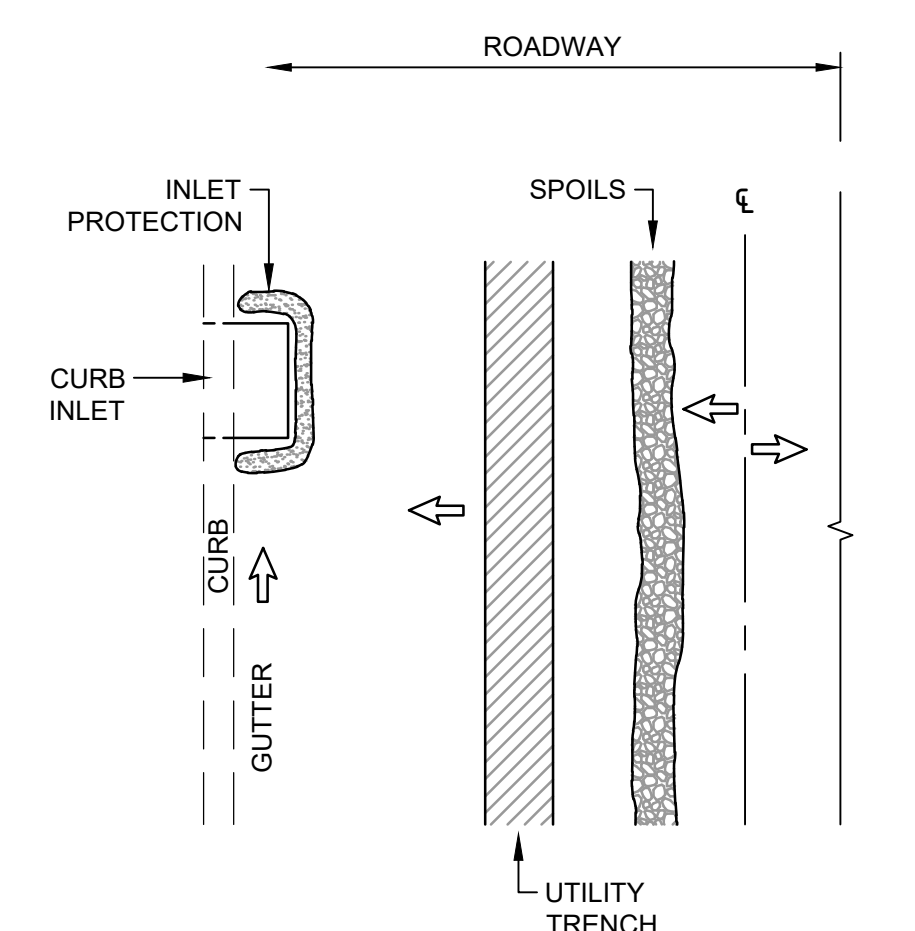
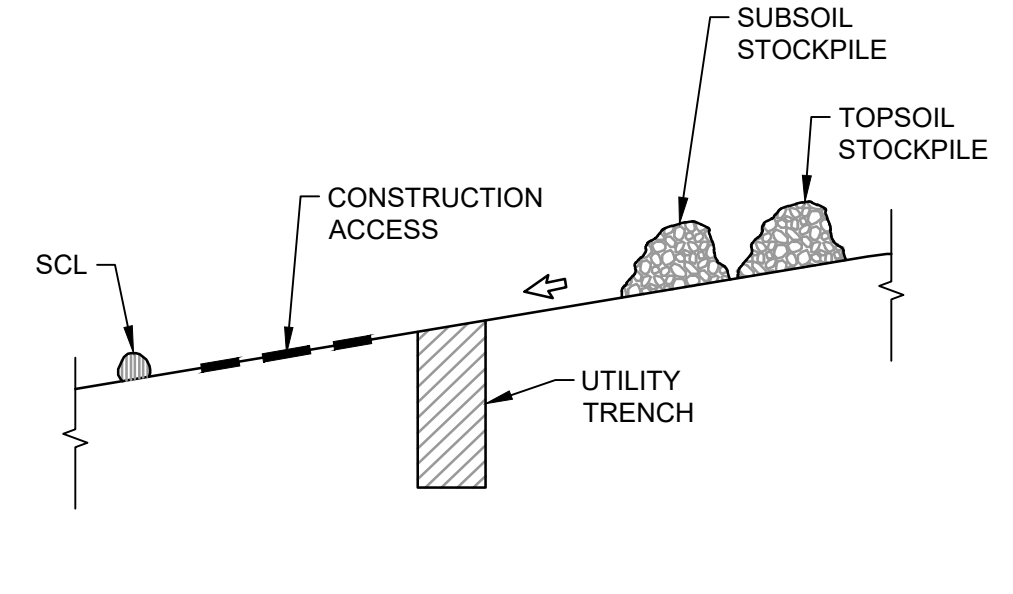
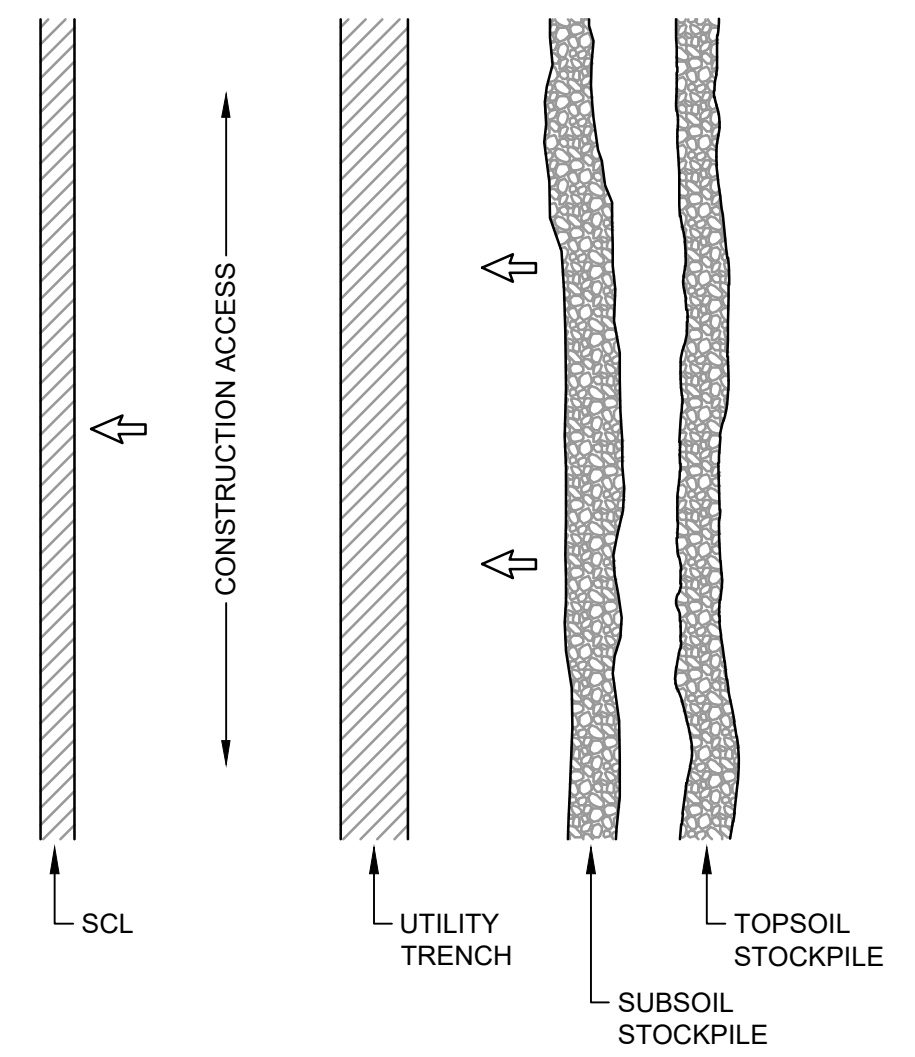
**SWMP/GEC
STORM WATER MANAGEMENT PLAN
DETAILS**

FILENAME | 05C007.DWG
SCALE | AS NOTED

SHEET
05C007



ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION



DESCRIPTION:

CONTROL MEASURE(S) (CM) FOR OPEN TRENCHING WITHIN AN UNPAVED SURFACE. THIS MAY BE A DIRT, UNVEGETATED OPEN AREA OR DIRT AND GRAVEL MIXED AREA TO BE RESTORED TO DIRT OR VEGETATED AREA.

DESIGN AND INSTALLATION:

1. INSTALL DOWN-GRADIENT CMs PRIOR TO CONSTRUCTION AT THE SITE. ABOVE GROUND VEGETATION MAY BE CLEARED PRIOR TO CM INSTALLATION.
2. EXCAVATE BY DOUBLE DITCH METHODS SEPARATING TOPSOIL FROM SUBSOIL AND PLACING IN TWO BERMS ALONG TRENCH.
3. IF SPOILS ARE TO BE PLACED UP-GRADIENT OF TRENCH, TRENCH ACTS AS DOWN-GRADIENT CM. DOWN-GRADIENT LINEAR CMs ARE REQUIRED FOR ACCESS DISTURBANCES.
4. CONSTRUCTION ACCESS AND SPOIL BERMS AND CONSTRUCTION ACCESS TO BE LOCATED ON OPPOSITE SIDES OF THE TRENCH SHOWN UNLESS CONDITIONS RENDER IMPOSSIBLE TO DO SO.
5. TRENCH TO BE BACKFILLED WITH TOPSOIL PLACED LAST AND SURFACE ROUGHENED IN ANTICIPATION OF SEED AND MULCH APPLICATION, UNLESS RESTORATION INCLUDES RETURNING TO DIRT OR GRAVEL AREA.
8. DOWN-GRADIENT CMs MAY BE REMOVED ONCE SURFACE ROUGHENING HAS OCCURRED AND PRIOR TO SEED AND MULCH UNLESS SIDE-SLOPES ALLOW EROSION OF EXPOSED/ SURFACE ROUGHENED SOIL.

MAINTENANCE:

MAINTAIN CMs PER SCL OF APPROPRIATE CM TYPE.

DESCRIPTION:

CONTROL MEASURE(S) (CM) FOR OPEN TRENCHING WITHIN A PAVED SURFACE. THIS MAY BE ASPHALT OR CONCRETE.

DESIGN AND INSTALLATION:

1. INSTALL DOWN-GRADIENT INLET PROTECTION AND GUTTER CMs PRIOR TO SAW CUTTING. PAVEMENT CUTS AND EXCAVATION SPOILS ARE RECOMMENDED TO BE IMMEDIATELY REMOVED FOR OFF-SITE DISPOSAL. IN THIS EVENT, NO DOWN-GRADIENT LINEAR CM IS REQUIRED. ROCK LOG (OR LIKE) IN GUTTER AND INLET PROTECTION IS STILL REQUIRED.
2. IF CUT AND EXCAVATION SPOILS ARE NOT IMMEDIATELY HAULED OFF-SITE, PLACE SPOIL PILE UP-GRADIENT OF TRENCH AS PRACTICABLE. TRENCH ACTS AS DOWN-GRADIENT CM.
3. IF SPOILS ARE TO BE PLACED DOWN-GRADIENT OF TRENCH, INSTALL WEIGHTED SEDIMENT CONTROL LOG BETWEEN SPOILS AND GUTTER.
4. INLET PROTECTION AND GUTTER CMs SHOULD BE INSTALLED DOWN-GRADIENT OF CONSTRUCTION ON BOTH SIDES OF ROAD IN AREAS WHERE THE CONSTRUCTION ACTIVITY EXTENDS TO BOTH SIDES OF THE ROAD CROWN.
5. BACKFILL WITH FLOWABLE FILL REQUIRE A CONCRETE WASHOUT WHEREVER WASHOUT OCCURS.
6. SITE IS STABILIZED UPON PATCH/RESTORATION OF PAVEMENT AT WHICH TIME CMs MAY BE REMOVED.

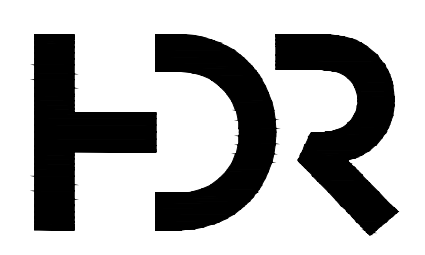
MAINTENANCE:

MAINTAIN CMs PER SCL OF APPROPRIATE CM TYPE.

UNPAVED/VEGETATED AREA
NO SCALE

PAVED AREA WITH CURB/GUTTER
NO SCALE

OPEN TRENCH CM
NO SCALE



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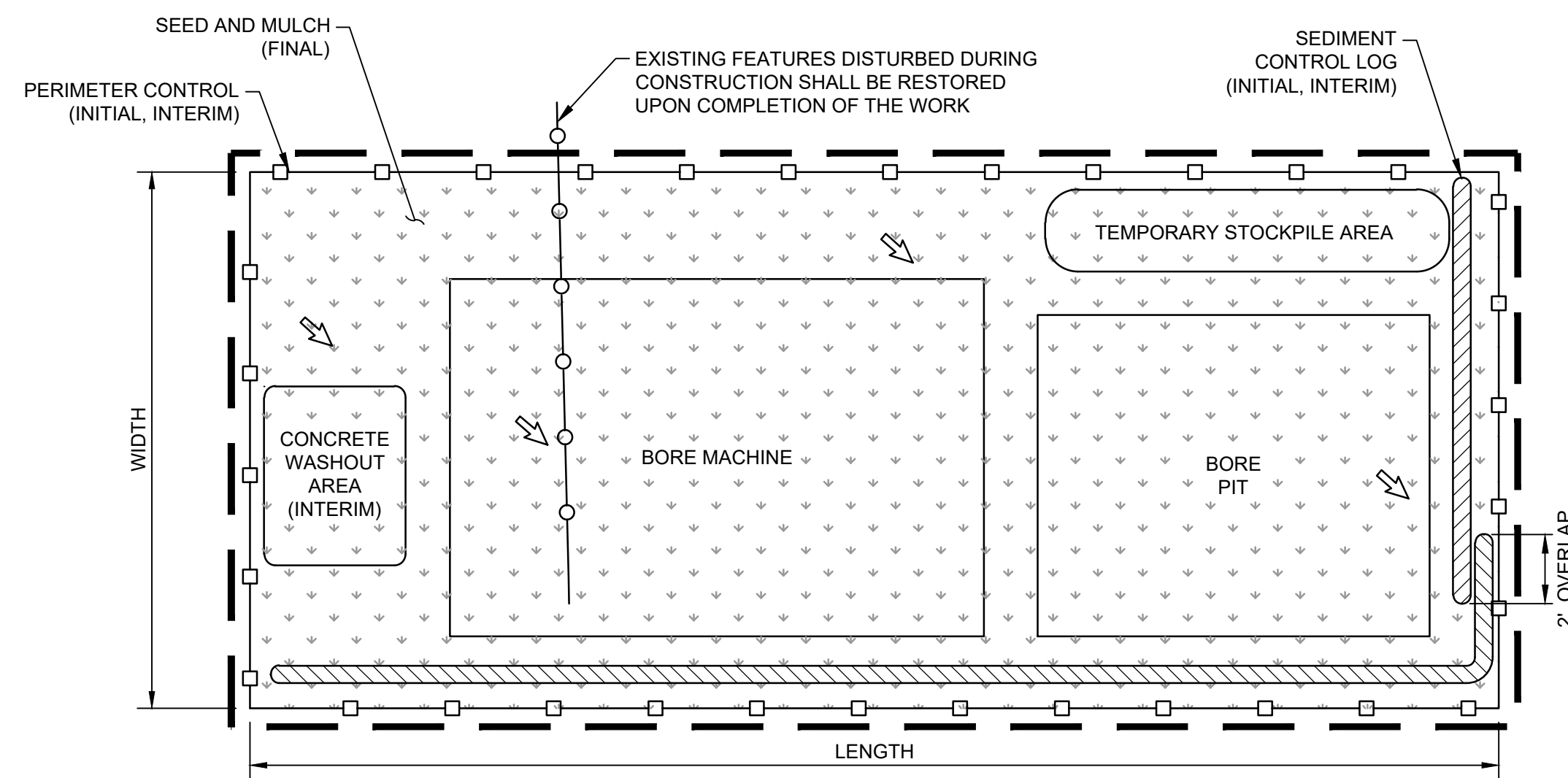
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
STORM WATER MANAGEMENT PLAN
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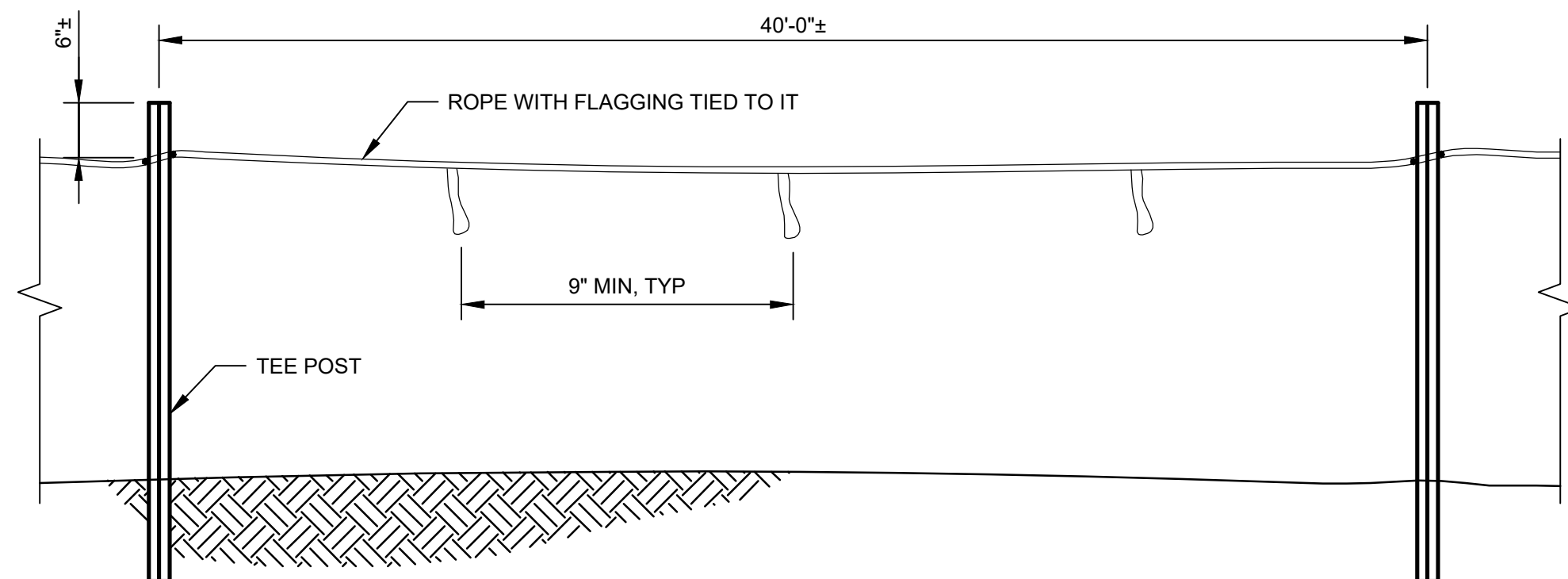
FILENAME | 05C008.DWG
SCALE | AS NOTED

SHEET
05C008



UNPAVED/VEGETATED AREA
NO SCALE

1 BORE PIT CM
NO SCALE



2 CONSTRUCTION BOUNDARY FENCING CM
NO SCALE

DESCRIPTION:

CONTROL MEASURE(S) (CM) FOR DIRECTIONAL BORE PITS WITHIN AN UNPAVED AREA. THIS MAY BE A VEGETATED AREA, UNVEGETATED OPEN AREA, OR DIRT AND GRAVEL MIXED AREA TO BE RESTORED WITH DIRT.

DESIGN AND INSTALLATION:

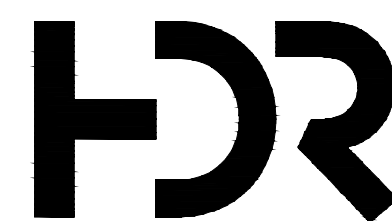
1. INSTALL DOWN-GRADIENT CMs PRIOR TO CONSTRUCTION AT THE SITE. ABOVE GROUND VEGETATION MAY BE CLEARED PRIOR TO CM INSTALLATION.
2. PERFORM GRADING AS REQUIRED TO ACHIEVE LEVEL SURFACE.
3. EXCAVATE BY DOUBLE DITCH METHODS SEPARATING TOPSOIL FROM SUBSOIL, CREATING TWO STOCKPILES.
4. DIMENSIONS AND ARRANGEMENT SHOWN ARE APPROXIMATE AND MAY VARY BASED ON WORK REQUIREMENTS AND/OR SITE CHARACTERISTICS. PLACE SPOIL PILES UP-GRADIENT OF BORE AS PRACTICABLE. PIT ACTS AS DOWN-GRADIENT CM.
5. CONSTRUCTION ACCESS SHOULD BE FROM UP-GRADIENT SIDE OF WORK AREA.
6. INITIAL BORE PIT BACKFILL WITH FLOWABLE FILL REQUIRES A CONCRETE WASHOUT AS SHOWN. SEE CWA DETAIL FOR CMs.
7. REMAINING DEPTH OF BORE PIT TO BE BACKFILLED WITH SOIL. PREPARE SURFACE IN ACCORDANCE WITH SPECIFICATION 31 22 19 AND 32 92 00 IN ANTICIPATION OF SEED AND MULCH APPLICATION, UNLESS RESTORATION INCLUDES RETURNING TO DIRT OR GRAVEL AREA.
8. DOWN-GRADIENT CMs MAY BE REMOVED ONCE SURFACE ROUGHENING HAS OCCURRED AND PRIOR TO SEED AND MULCH UNLESS SIDE-SLOPES ALLOW EROSION OF EXPOSED/ SURFACE ROUGHENED SOIL.

MAINTENANCE:

MAINTAIN CMs PER APPROPRIATE CM TYPE. SEE SWMP REPORT FOR ACTIONS TO BE TAKEN IN EVENT OF INADVERTENT FLUID RELEASE.

GENERAL PRACTICES:

1. SEE STORM WATER MANAGEMENT PLANS FOR LOCATIONS OF BOUNDARY FENCING.
2. LIMITS OF DISTURBANCE, EASEMENTS, WETLANDS, AND WILDLIFE AREAS WILL BE STAKED OUT BY SURVEYOR BEFORE PLACING BOUNDARY FENCING.
3. ALL EQUIPMENT USED TO INSTALL FENCING SHALL BE KEPT ON THE CONSTRUCTION SIDE OF PROJECT.
4. VEGETATIVE BUFFERS SHALL BE PRESERVED WHENEVER POSSIBLE.
5. BOUNDARY FENCING CAN BE REMOVED PRIOR TO FINAL STABILIZATION AND PERMANENT SEEDING.

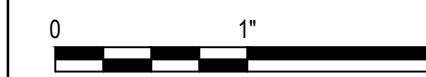


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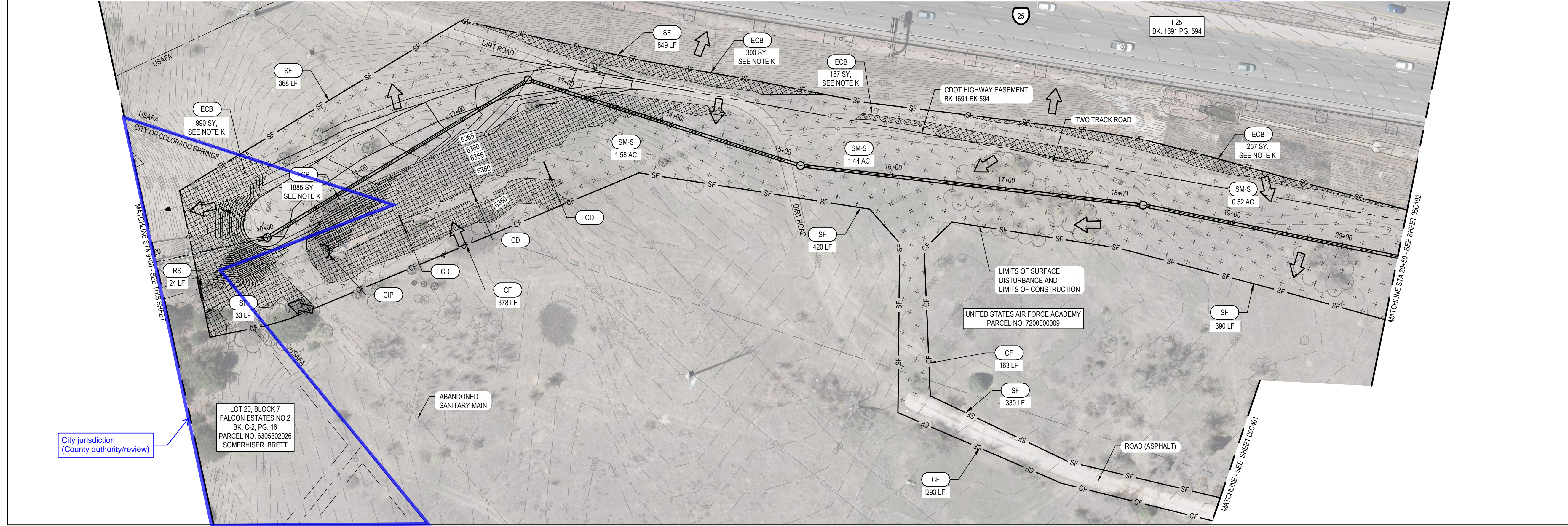
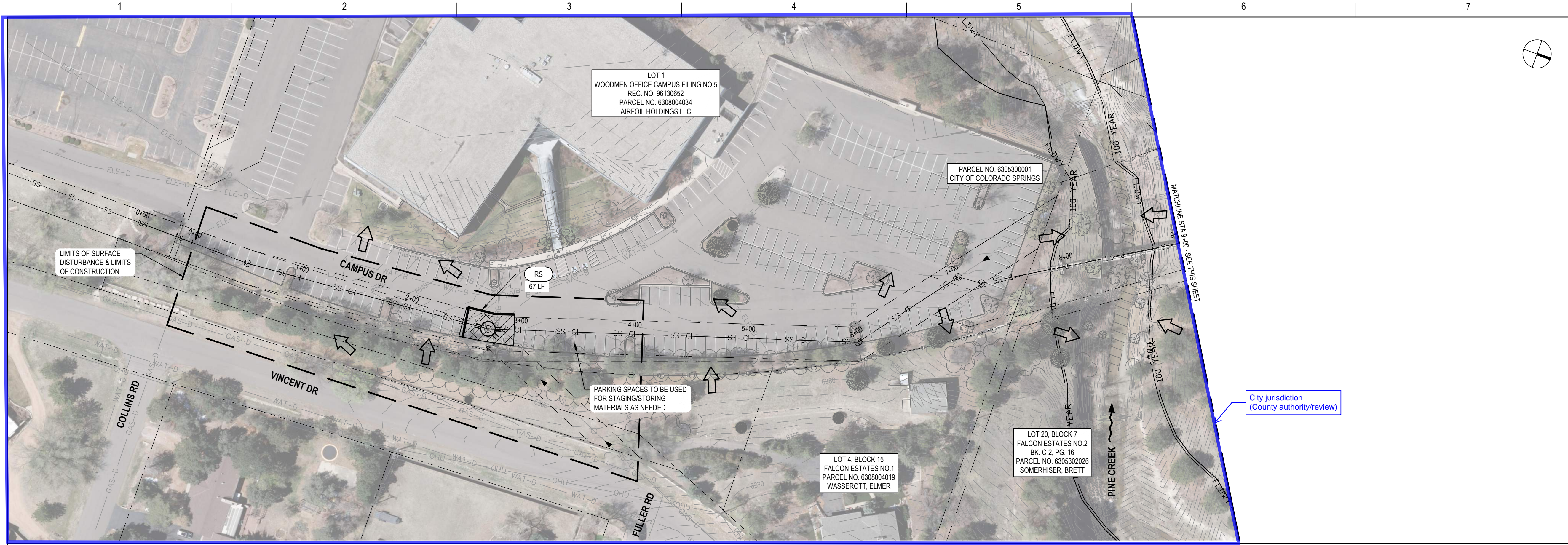
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
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FILENAME | 05C009.DWG
SCALE | AS NOTED

SHEET
05C009

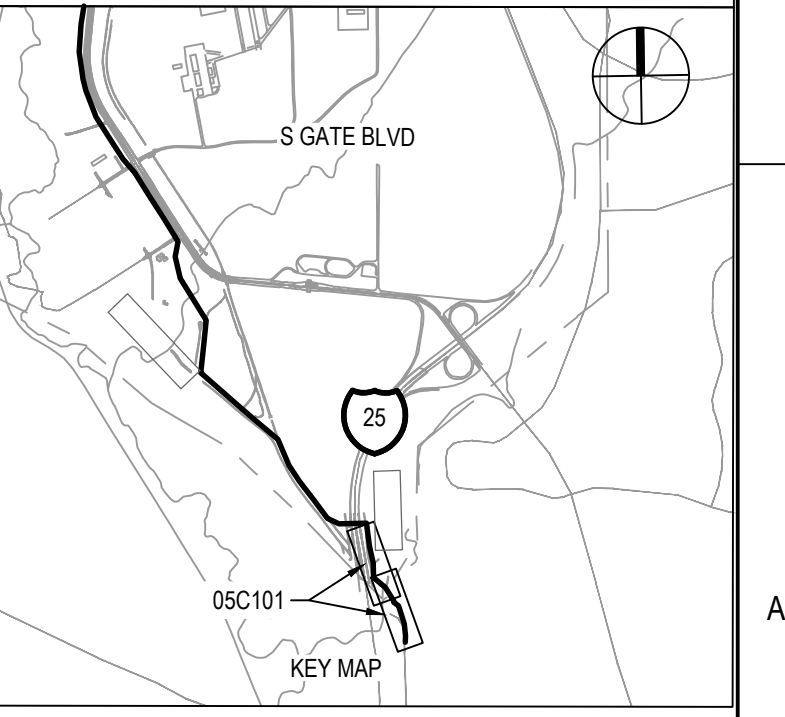


GENERAL NOTES

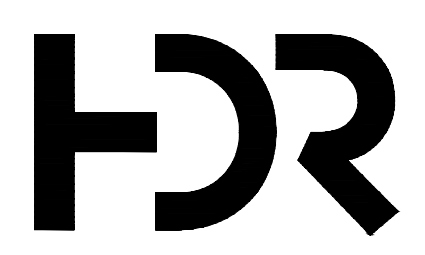
- A. STAGING AREA TO BE DETERMINED BY THE CONTRACTOR.
- K. FOR EROSION CONTROL BLANKETS, USE PRODUCTS CORRESPONDING TO APPROPRIATE SLOPE:
 - 4:1 SLOPES: USE NETLESS ROLLED EROSION CONTROL BLANKETS
 - 3:1 SLOPES: USE SINGLE-NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES
 - 2:1 SLOPES AND SWALE BOTTOMS: USE DOUBLE-NET EROSION CONTROL BLANKET

(CCM) LEGEND:

KEY	TITLE
ECB	EROSION CONTROL BLANKET
IP-2	SUMP INLET PROTECTION
CD	CHECK DAM
RS	ROCK SOCK PROTECTION
SF	SILT FENCE
CF	CONSTRUCTION BOUNDARY FENCE
CIP	CULVERT INLET PROTECTION
ECB (cross-hatched)	EROSION CONTROL BLANKET
SM-R (diagonal lines)	RIPARIAN/TRANSITIONAL SEED MIX
SM-L (horizontal lines)	LOAMY/CLAYEY FOOTHILLS MIX
SM-M (vertical lines)	MOUNTAIN MIX
SM-S (stippled)	SANDY FOOTHILLS MIX
(dotted pattern)	STAGING AREA
VTC (cross-hatched)	VEHICLE TRACKING CONTROL
(arrow)	FLOW DIRECTION



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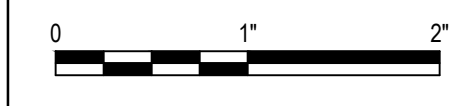


ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769



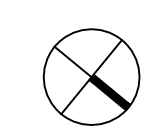
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
STORM WATER MANAGEMENT PLAN
STA 00+00 TO STA 20+50**

FILENAME: 05C101.DWG
SCALE: AS NOTED

SHEET
05C101

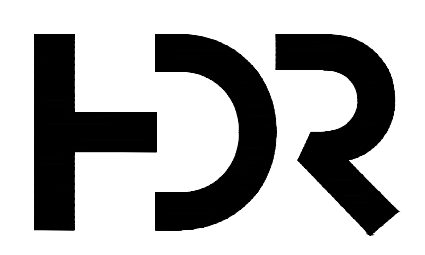
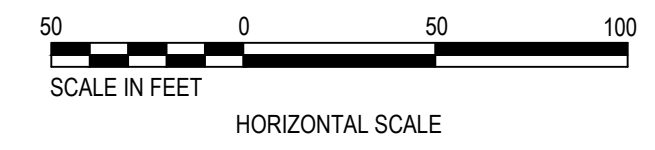
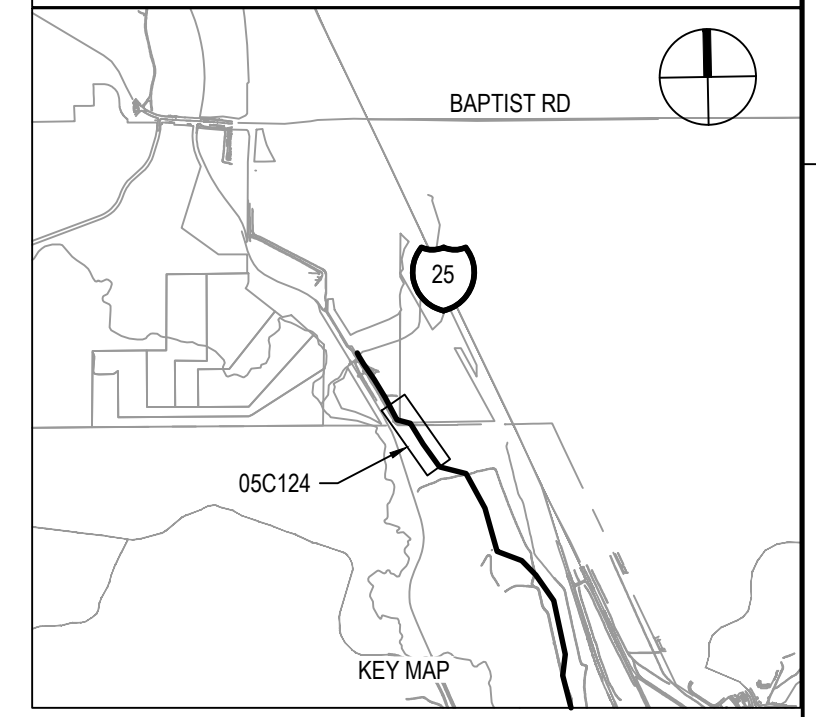
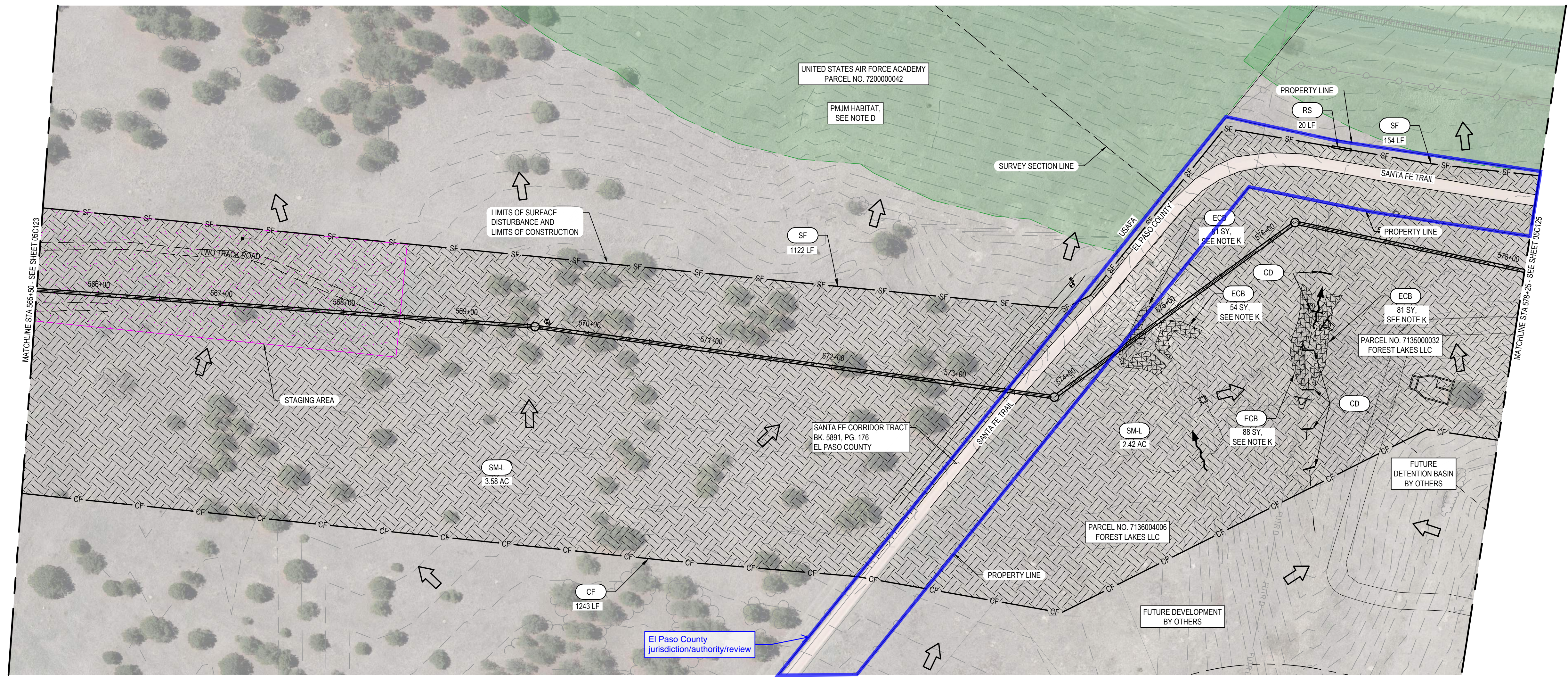


GENERAL NOTES

- A. SEE SHEET 05C124 FOR SURVEY CONTROL.
- D. SEE SPECIFICATIONS 01 14 00 AND 01 35 43 FOR WORK RESTRICTIONS WITHIN HATCHED AREAS.
- K. FOR EROSION CONTROL BLANKETS, USE PRODUCTS CORRESPONDING TO APPROPRIATE SLOPE:
 - 4:1 SLOPES: USE NETLESS ROLLED EROSION CONTROL BLANKETS
 - 3:1 SLOPES: USE SINGLE-NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES
 - 2:1 SLOPES AND SWALE BOTTOMS: USE DOUBLE-NET EROSION CONTROL BLANKET
- L. THIS UTILITY WORK MAY OCCUR IN TANDEM WITH CONSTRUCTION ON THE SANTA FE MEADOWS DEVELOPMENT SITE (BY OTHERS). CONTROL MEASURES SHOWN ARE ONLY APPLICABLE TO UTILITY WORK WITHIN THE NMCI LIMITS OF DISTURBANCE. IF APPLICABLE, NMCI CONTRACTOR TO COORDINATE WITH DEVELOPMENT CONTRACTOR FOR CONSTRUCTION ACCESS ROUTES, CONTROL MEASURES, AND SURFACE STABILIZATION PRACTICES.
- M. MINOR DEWATERING ACTIVITIES ARE ANTICIPATED. CONTROL WATER WITHIN EXCAVATIONS VIA SUMP PUMPS AS NEEDED.

(CCM) LEGEND:

KEY	TITLE
(IP-2)	SUMP INLET PROTECTION
(CD)	CHECK DAM
(RS)	ROCK SOCK PROTECTION
(SF)	SILT FENCE
(CF)	CONSTRUCTION BOUNDARY FENCE
(CIP)	CULVERT INLET PROTECTION
(ECB)	EROSION CONTROL BLANKET
(SM-R)	RIPARIAN/TRANSITIONAL SEED MIX
(SM-L)	LOAMY/CLAYEY FOOTHILLS MIX
(SM-M)	MOUNTAIN MIX
(SM-S)	SANDY FOOTHILLS MIX
(Staging Area)	STAGING AREA
(VTC)	VEHICLE TRACKING CONTROL
(Arrow)	FLOW DIRECTION

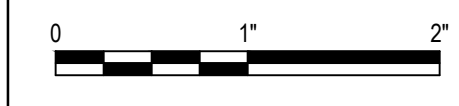


PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769

ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION



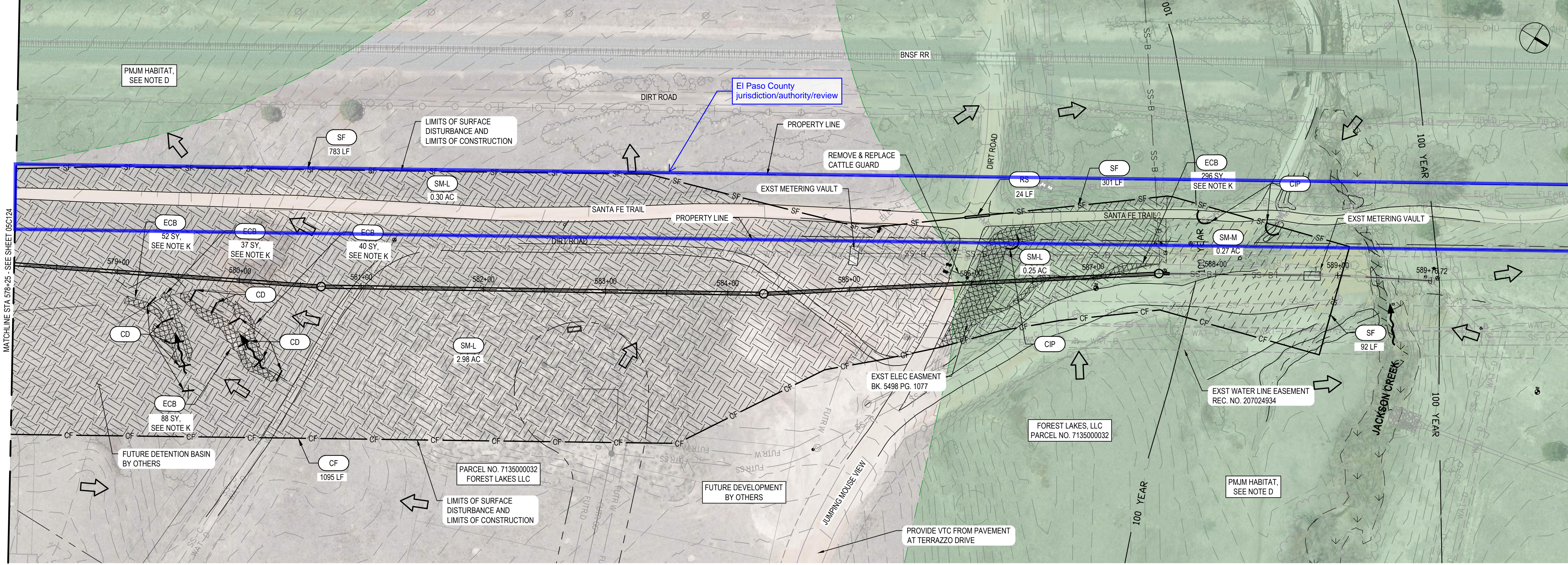
**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**



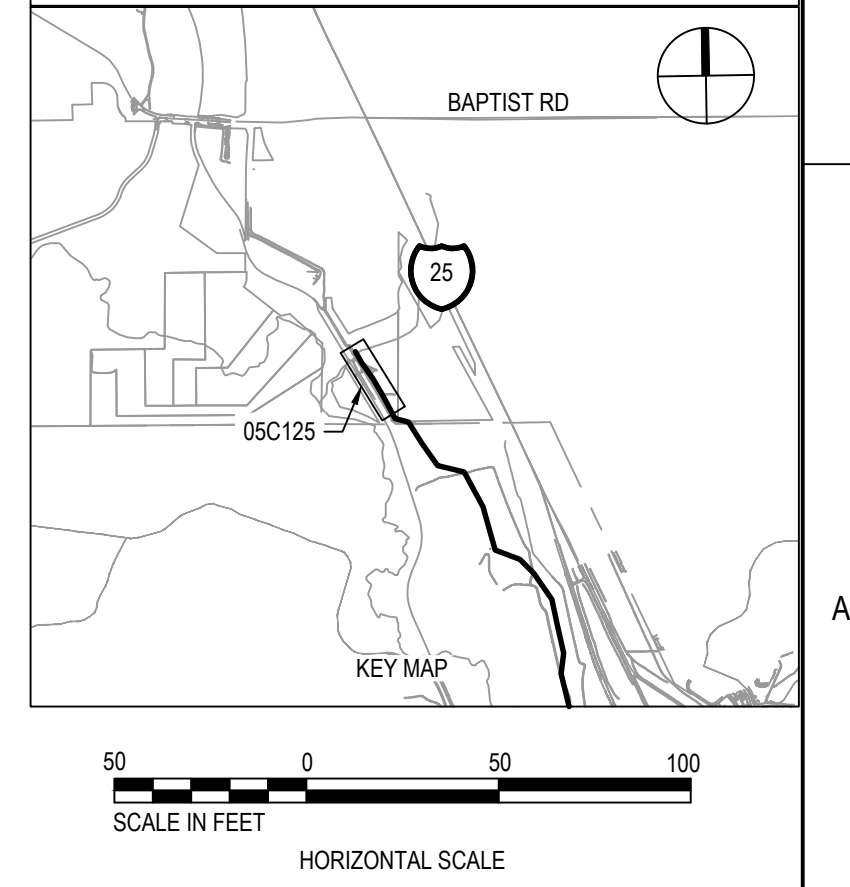
**SWMP/GEC
STORM WATER MANAGEMENT PLAN
STA 565+50 TO STA 578+25**

FILENAME: 05C124.DWG
SCALE: AS NOTED

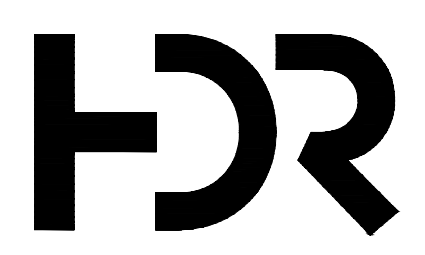
SHEET
05C124



- GENERAL NOTES**
- A. SEE SHEET 00G011 FOR SURVEY CONTROL.
 - D. SEE SPECIFICATIONS 01 14 00 AND 01 35 43 FOR WORK RESTRICTIONS WITHIN HATCHED AREAS.
 - K. FOR EROSION CONTROL BLANKETS, USE PRODUCTS CORRESPONDING TO APPROPRIATE SLOPE:
 - 4:1 SLOPES: USE NETLESS ROLLED EROSION CONTROL BLANKETS
 - 3:1 SLOPES: USE SINGLE-NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES
 - 2:1 SLOPES AND SWALE BOTTOMS: USE DOUBLE-NET EROSION CONTROL BLANKET
 - L. THIS UTILITY WORK MAY OCCUR IN TANDEM WITH CONSTRUCTION ON THE SANTA FE MEADOWS DEVELOPMENT SITE (BY OTHERS). CONTROL MEASURES SHOWN ARE ONLY APPLICABLE TO UTILITY WORK WITHIN THE NMCI LIMITS OF DISTURBANCE. IF APPLICABLE, NMCI CONTRACTOR TO COORDINATE WITH DEVELOPMENT CONTRACTOR FOR CONSTRUCTION ACCESS ROUTES, CONTROL MEASURES, AND SURFACE STABILIZATION PRACTICES.
 - M. MINOR DEWATERING ACTIVITIES ARE ANTICIPATED. CONTROL WATER WITHIN EXCAVATIONS VIA SUMP PUMPS AS NEEDED.
- (CCM) LEGEND:**
- | KEY | TITLE |
|----------------|--------------------------------|
| IP-2 | SUMP INLET PROTECTION |
| CD | CHECK DAM |
| RS | ROCK SOCK PROTECTION |
| SF | SILT FENCE |
| CF | CONSTRUCTION BOUNDARY FENCE |
| CIP | CULVERT INLET PROTECTION |
| ECB | EROSION CONTROL BLANKET |
| SM-R | RIPARIAN/TRANSITIONAL SEED MIX |
| SM-L | LOAMY/CLAYEY FOOTHILLS MIX |
| SM-M | MOUNTAIN MIX |
| SM-S | SANDY FOOTHILLS MIX |
| [Hatched Area] | STAGING AREA |
| VTC | VEHICLE TRACKING CONTROL |
| [Arrow] | FLOW DIRECTION |



MATCHLINE STA 578+25 SEE SHEET 05C124



PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769

ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**

**SWMP/GEC
STORM WATER MANAGEMENT PLAN
STA 578+25 TO STA 587+62.67**

FILENAME: 05C125.DWG
SCALE: AS NOTED

SHEET
05C125

GENERAL NOTES

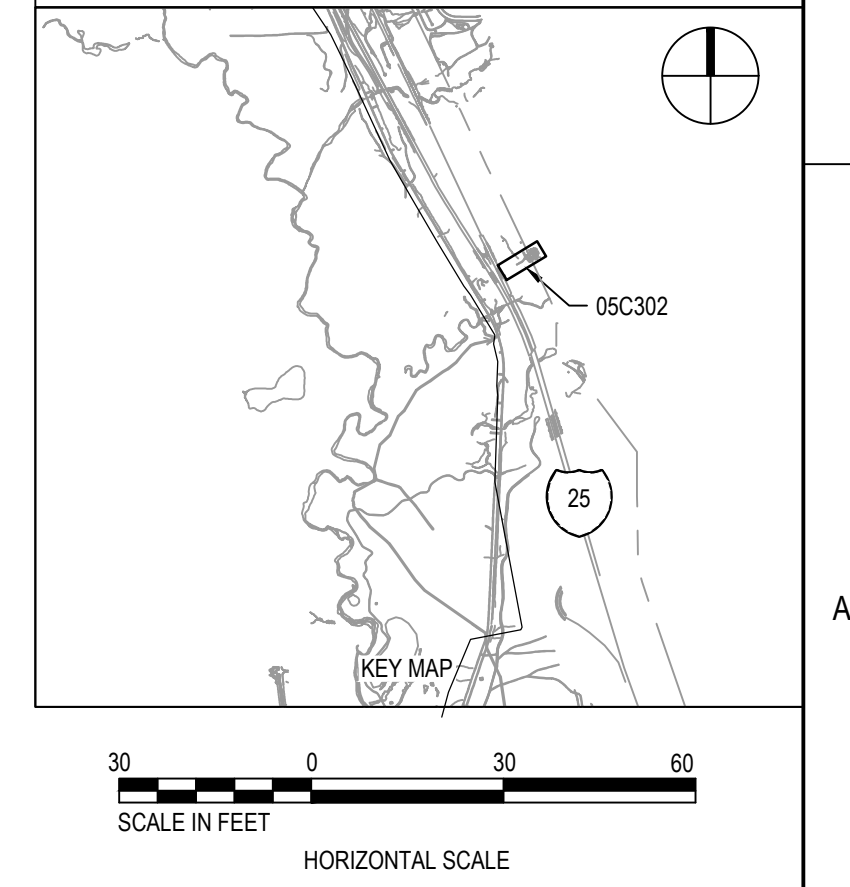
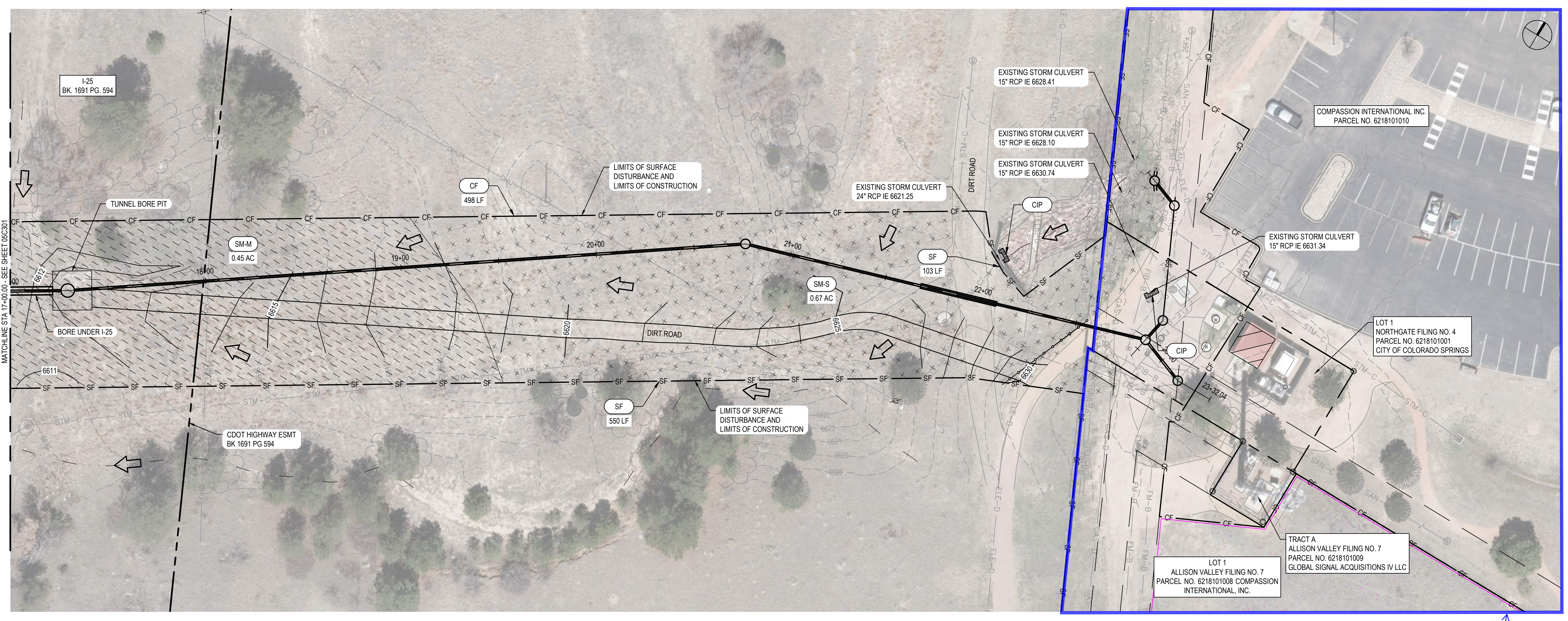
A. STAGING AREA TO BE DETERMINED BY THE CONTRACTOR.

K. FOR EROSION CONTROL BLANKETS, USE PRODUCTS CORRESPONDING TO APPROPRIATE SLOPE:

4:1 SLOPES - USE NETLESS ROLLED EROSION CONTROL BLANKETS
 3:1 SLOPES - USE SINGLE-NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES
 2:1 SLOPES AND SWALE BOTTOMS - USE DOUBLE-NET EROSION CONTROL BLANKET

(CCM) LEGEND:

KEY	TITLE
ECB	EROSION CONTROL BLANKET
IP-2	SUMP INLET PROTECTION
CD	CHECK DAM
RS	ROCK SOCK PROTECTION
SF	SILT FENCE
CF	CONSTRUCTION BOUNDARY FENCE
CIP	CULVERT INLET PROTECTION
ECB	EROSION CONTROL BLANKET
SM-R	RIPARIAN/TRANSITIONAL SEED MIX
SM-L	LOAMY/CLAYEY FOOTHILLS MIX
SM-M	MOUNTAIN MIX
SM-S	SANDY FOOTHILLS MIX
	STAGING AREA
VTC	VEHICLE TRACKING CONTROL
→	FLOW DIRECTION



PROJECT MANAGER	E. DESOUZA
PROJECT ENGINEER	P. HOOD
QUALITY CONTROL	M. GOSSETT
DRAFTER	J. JENKINS
PROJECT NUMBER	50180675

ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION



**COLORADO SPRINGS UTILITIES
 NORTHERN MONUMENT CREEK
 INTERCEPTOR AND MIDDLE TRIBUTARY
 LIFT STATION INTERCEPTOR CONNECTION**

**SWMP/GEC
 STORM WATER MANAGEMENT PLAN
 STA 17+00 TO STA 23+30**

FILENAME: 05C302.DWG
 SCALE: AS NOTED

SCALE: 0 1" 2"

SHEET
05C302

GENERAL NOTES

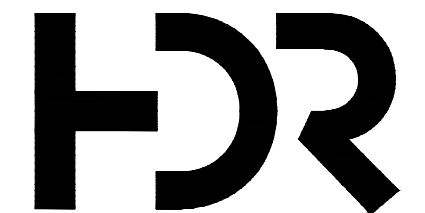
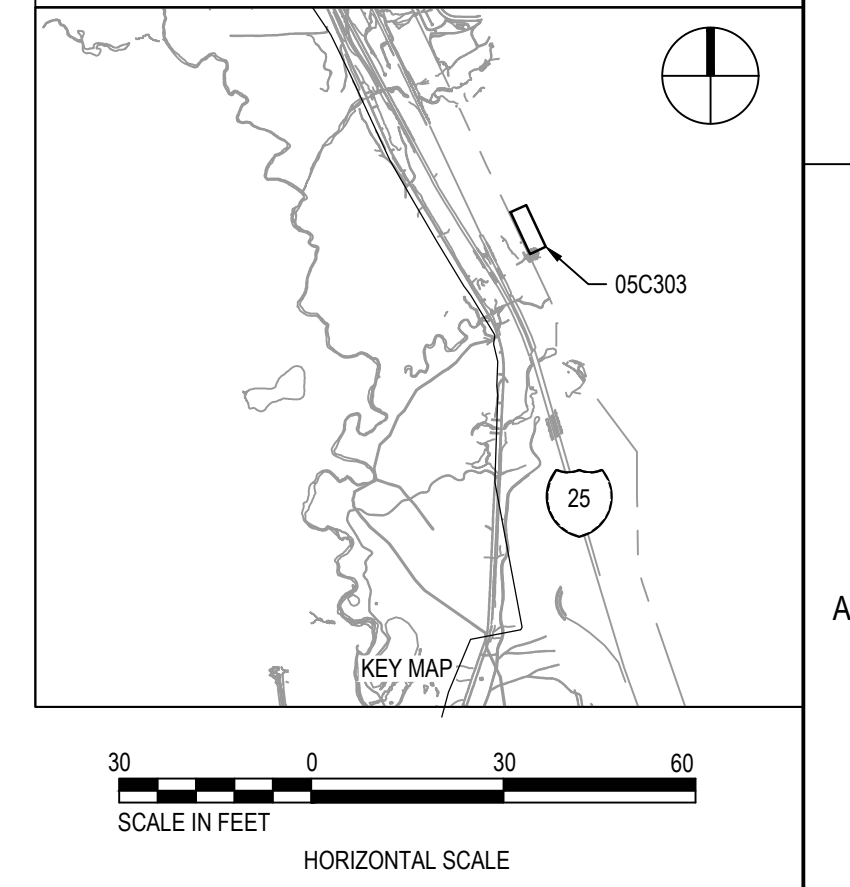
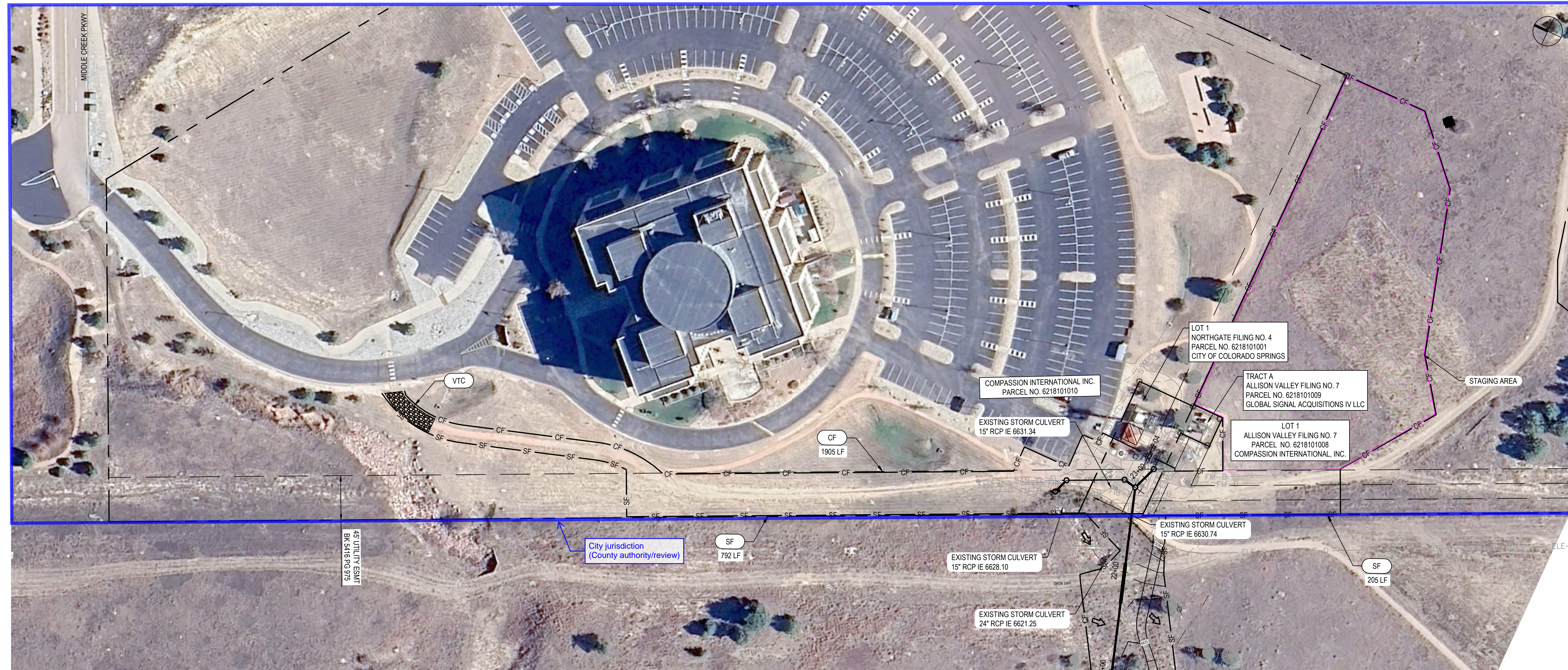
A. STAGING AREA TO BE DETERMINED BY THE CONTRACTOR.

K. FOR EROSION CONTROL BLANKETS, USE PRODUCTS CORRESPONDING TO APPROPRIATE SLOPE:

4:1 SLOPES - USE NETLESS ROLLED EROSION CONTROL BLANKETS
 3:1 SLOPES - USE SINGLE-NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES
 2:1 SLOPES AND SWALE BOTTOMS - USE DOUBLE-NET EROSION CONTROL BLANKET

(CCM) LEGEND:

KEY	TITLE
	EROSION CONTROL BLANKET
	SUMP INLET PROTECTION
	CHECK DAM
	ROCK SOCK PROTECTION
	SILT FENCE
	CONSTRUCTION BOUNDARY FENCE
	CULVERT INLET PROTECTION
	EROSION CONTROL BLANKET
	RIPARIAN/TRANSITIONAL SEED MIX
	LOAMY/CLAYEY FOOTHILLS MIX
	MOUNTAIN MIX
	SANDY FOOTHILLS MIX
	STAGING AREA
	VEHICLE TRACKING CONTROL
	FLOW DIRECTION

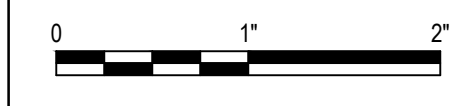


ISSUE	DATE	DESCRIPTION
A	05/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	E. DESOUZA
PROJECT ENGINEER	P. HOOD
QUALITY CONTROL	M. GOSSETT
DRAFTER	N. MORRILL
PROJECT NUMBER	50180675



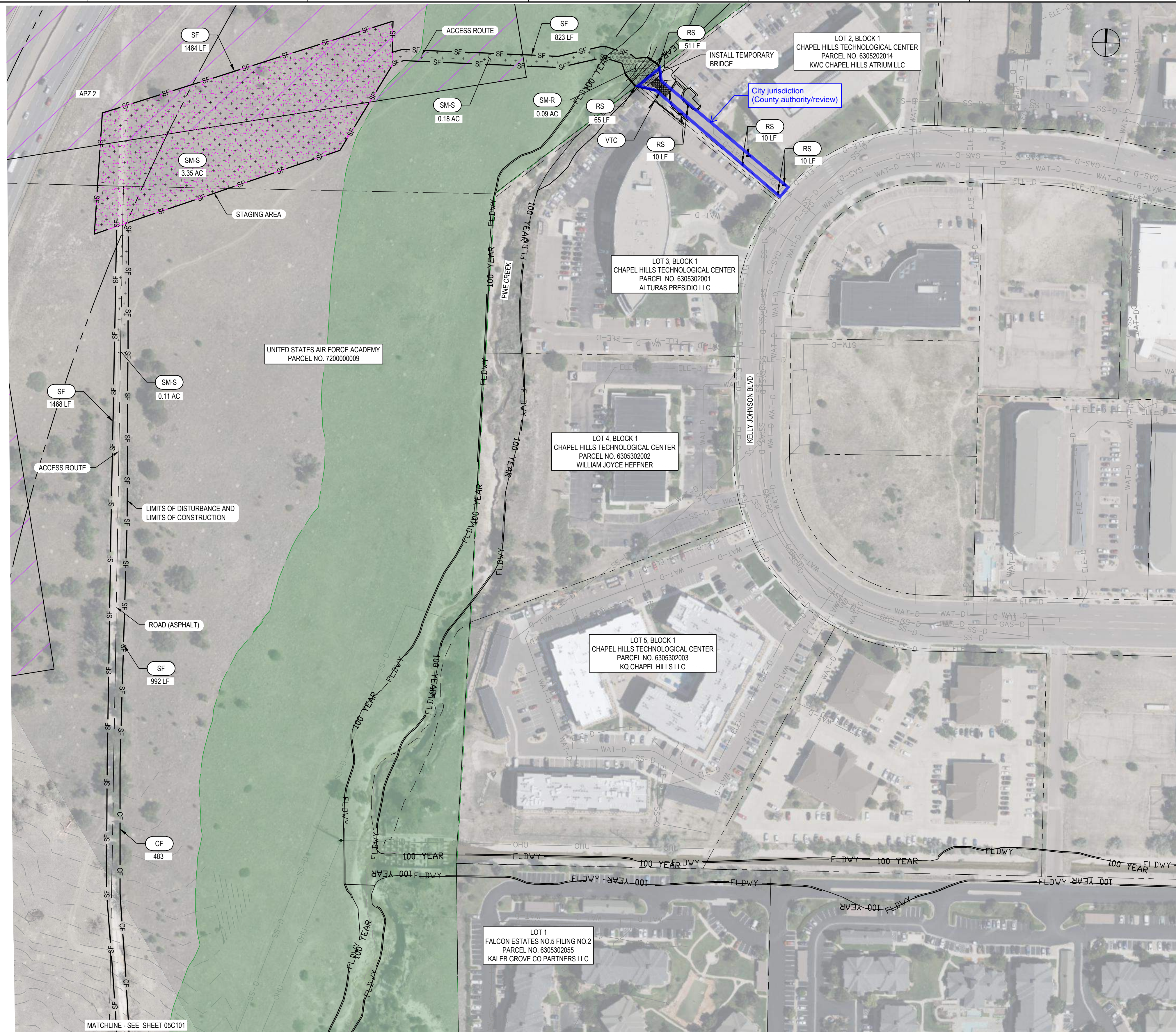
**COLORADO SPRINGS UTILITIES
 NORTHERN MONUMENT CREEK
 INTERCEPTOR AND MIDDLE TRIBUTARY
 LIFT STATION INTERCEPTOR CONNECTION**



**SWMP/GEC
 STORM WATER MANAGEMENT PLAN
 SITE ACCESS**

FILENAME: 05C303.DWG
 SCALE: AS NOTED

SHEET
05C303

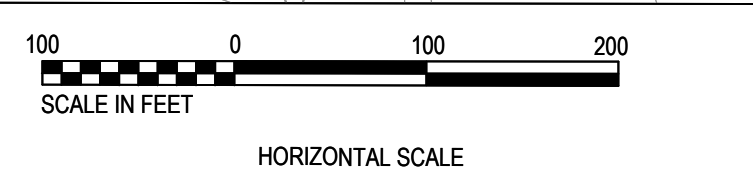
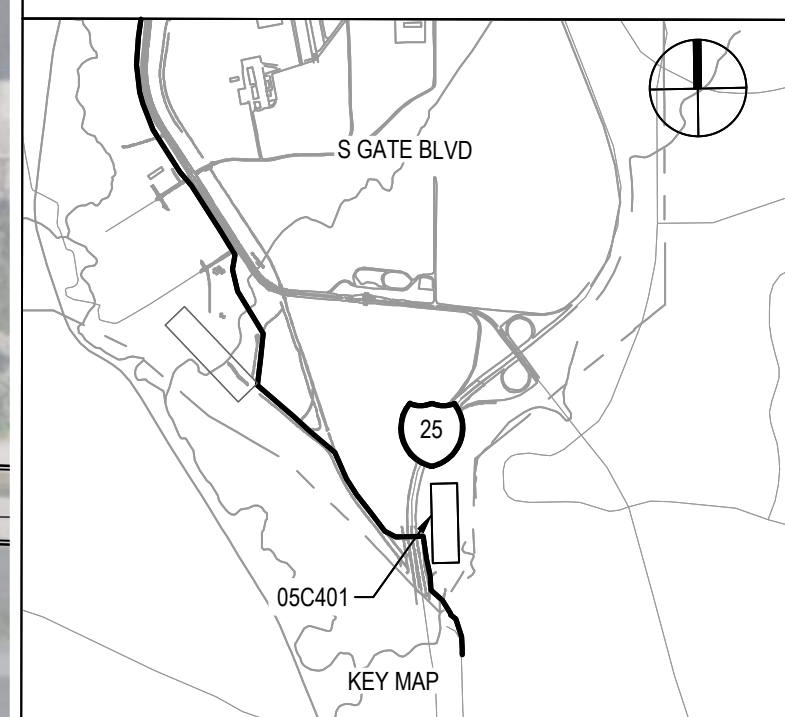


GENERAL NOTES

- A. SEE SHEET 00G011 FOR SURVEY CONTROL.
- D. SEE SPECIFICATIONS 01 14 00 AND 01 35 43 FOR WORK RESTRICTIONS WITHIN HATCHED AREAS.

(CCM) LEGEND:

KEY	TITLE
IP-2	SUMP INLET PROTECTION
CD	CHECK DAM
RS	ROCK SOCK PROTECTION
SF	SILT FENCE
CF	CONSTRUCTION BOUNDARY FENCE
CIP	CULVERT INLET PROTECTION
ECB	EROSION CONTROL BLANKET
SM-R	RIPARIAN/TRANSITIONAL SEED MIX
SM-L	LOAMY/CLAYEY FOOTHILLS MIX
SM-M	MOUNTAIN MIX
SM-S	SANDY FOOTHILLS MIX
[Hatched Area]	STAGING AREA
VTC	VEHICLE TRACKING CONTROL
[Arrow]	FLOW DIRECTION



PROJECT MANAGER	STEVEN T. POOL
PROJECT ENGINEER	R. KEATLEY
QUALITY CONTROL	M. GOSSETT
DRAFTER	T. HICKS
PROJECT NUMBER	10393769

A	05/2026	ISSUED FOR CONSTRUCTION
ISSUE	DATE	DESCRIPTION



**COLORADO SPRINGS UTILITIES
NORTHERN MONUMENT CREEK
INTERCEPTOR AND MIDDLE TRIBUTARY
LIFT STATION INTERCEPTOR CONNECTION**

**SWMP/GEC
STORM WATER MANAGEMENT PLAN
ACCESS ROUTE TO STAGING AREA 1**

FILENAME: 05C401.DWG
SCALE: AS NOTED

SHEET
05C401

