

# CONSTRUCTION DOCUMENTS

## CHERRYWOOD PARK DRAINAGE IMPROVEMENTS

LOCATED IN SECTION 24, TOWNSHIP 1 SOUTH, RANGE 67 WEST  
 OF THE 6th PRINCIPAL MERIDIAN  
 13807 MADISON STREET  
 CITY OF THORNTON, ADAMS COUNTY, COLORADO

PROJECT NO. 21-462B

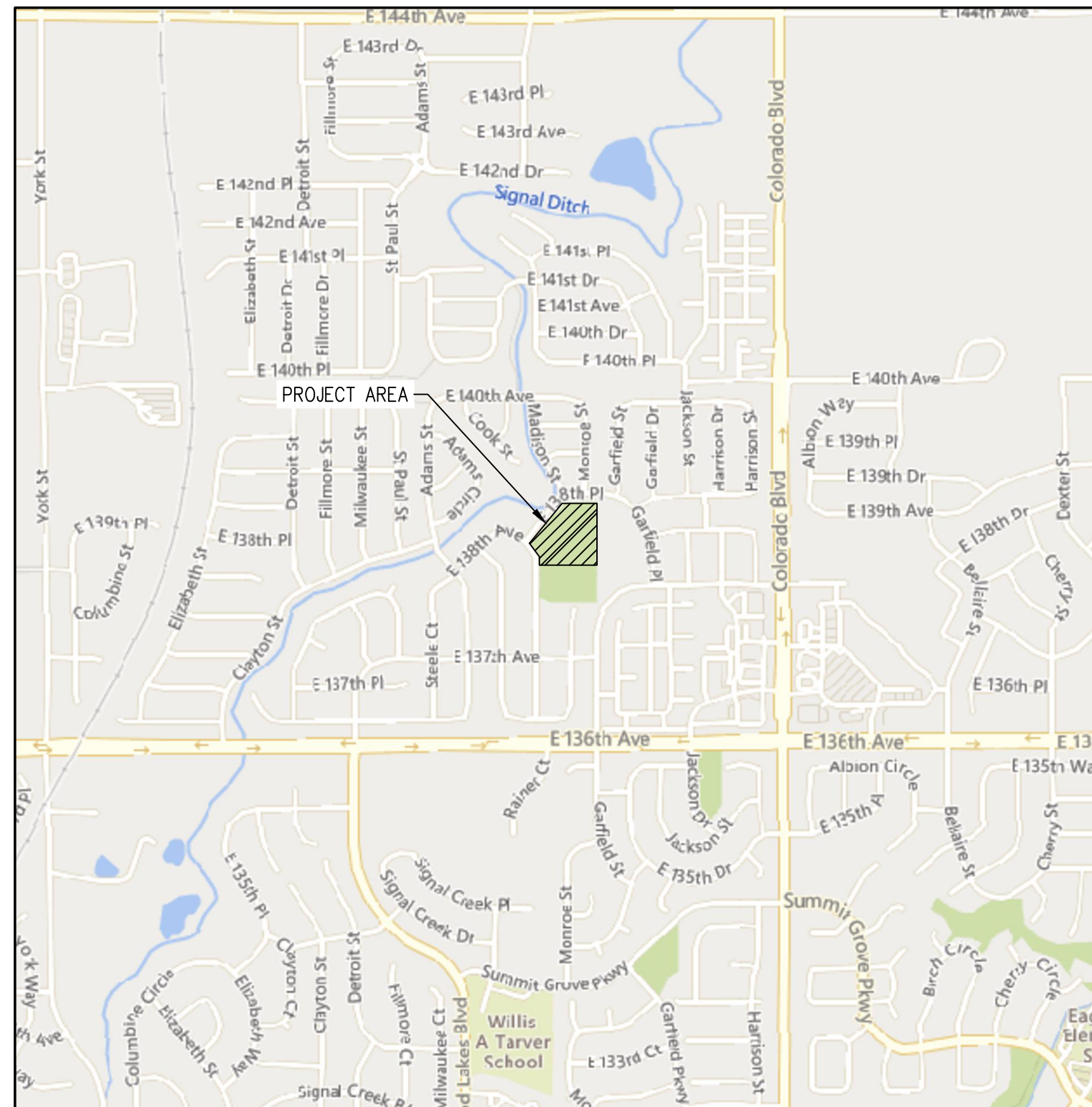
### PROJECT CONTACTS



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CLIENT:  
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**VICINITY MAP**  
 SCALE: 1" = 1000'

PREPARED FOR:  
**CITY OF THORNTON**  
 9500 CIVIC CENTER DRIVE  
 THORNTON, COLORADO 80229

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REVISION DESCRIPTION	DATE	PREPARED BY
60% CONSTRUCTION DOCUMENTS	12/16/22	MNJ
95% CONSTRUCTION DOCUMENTS	02/03/23	MNJ

CITY OF THORNTON  
 THORNTON  
 ADAMS COUNTY  
 CHERRYWOOD PARK  
 13807 MADISON STREET  
 COVER

PREPARED UNDER THE DIRECT SUPERVISION OF  
**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

CHERRYWOOD PARK DRAINAGE IMPROVEMENTS	
CIP # 21-462B	
PROJECT MANAGER	DATE
PARKS PROJECT & PLANNING MANAGER	DATE
SHEET 1 OF 15	
P1	

FOR AND ON BEHALF OF BASELINE CORPORATION	
INITIAL SUBMITTAL	12/16/22
DRAWING SIZE	22" X 34"
SURVEY FIRM	SURVEY DATE
BASELINE	09/21/22
JOB NO.	C03590
DRAWING NAME	
3590 - 01-05-COVER-SOQ.dwg	
SHEET 1 OF 15	
P1	

**GENERAL NOTES - CONSTRUCTION**

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST "STANDARDS AND SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS" OF THE CITY OF THORNTON AND REQUIREMENTS IN DESIGN GUIDELINES PROVIDED BY THORNTON. COPIES OF THE CITY OF THORNTON STANDARDS AND SPECIFICATIONS MAY BE OBTAINED FROM THE CITY OF THORNTON WEB SITE. CONTRACTOR SHALL HAVE A SET ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF THORNTON STAFF PRIOR TO THE START OF CONSTRUCTION. THOSE IN ATTENDANCE SHALL INCLUDE THE DESIGN ENGINEER, THE CITY OF THORNTON ENGINEERING STAFF, REPRESENTATIVES OF THE CONTRACTORS AND OTHER AFFECTED AGENCIES. CONTRACTOR SHALL HAVE (1) COPY OF THE SIGNED PLANS ON SITE AT ALL TIMES.
- THE CITY OF THORNTON, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. THE DESIGN ENGINEER UNDERSTANDS THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT. REPORT ALL DISCREPANCIES TO THE DESIGN ENGINEER IMMEDIATELY.
- PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY/ALL WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK SITE FROM ADJACENT PRIVATE PROPERTY OWNERS. A COPY OF ALL AGREEMENTS SHALL BE PROVIDED TO THE TOWN. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF THORNTON STAFF. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO CITY STANDARDS AND SPECIFICATIONS. INSPECTIONS AND ONSITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE BY THE CITY STAFF OF THE CONTRACTORS' CONTRACTUAL COMMITMENT. REQUESTS FOR INSPECTION BY THE CITY OF THORNTON SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF TWENTY-FOUR (24) HOURS IN ADVANCE.
- CONSTRUCTION WATER IS AVAILABLE TO THE CONTRACTOR AS ESTABLISHED IN THE CITY OF THORNTON STANDARDS AND SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE CITY OF THORNTON REGARDING CURRENT REGULATIONS, FEES AND REQUIRED AGREEMENTS RELATED TO THE PROVISION OF CONSTRUCTION WATER.
- THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH THE AFFECTED UTILITY COMPANIES AND SHALL NOTIFY THE UTILITY NOTIFICATION CENTER, PHONE NUMBER 811, THREE (3) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION.
- UTILITIES IN THE AREA OF CONSTRUCTION ARE APPROXIMATE ONLY. THEY HAVE BEEN LOCATED FROM FIELD INVESTIGATION AND THE BEST AVAILABLE UTILITY RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL CONTACT ALL RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD-LOCATED PRIOR TO CONSTRUCTION. IF ANY UNKNOWN SUBSURFACE STRUCTURES ARE ENCOUNTERED DURING CONSTRUCTION, IT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CITY OF THORNTON ENGINEERING STAFF AND DESIGN ENGINEER PRIOR TO PROCEEDING.
- THE CONTRACTOR SHALL NOTIFY CITY OF THORNTON ENGINEERING STAFF OF ANY PROBLEM IMPACTING WATER AND WASTE WATER FACILITIES THAT WOULD POTENTIALLY REQUIRE A VARIANCE FROM THE APPROVED PLANS AND SPECIFICATIONS. ANY VARIANCE FROM THE APPROVED DOCUMENTS SHALL BE AT THE SOLE DISCRETION OF THE CITY OF THORNTON ENGINEERING STAFF.
- CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE SPECIFICATIONS AND PERMITS NECESSARY TO PERFORM THE PROPOSED WORK.
- AS-BUILT DRAWINGS AS REQUIRED IN THE SPECIFICATIONS, ARE TO BE SUBMITTED BY THE CONTRACTOR PRIOR TO INITIAL ACCEPTANCE OF THE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR:
  - NOTIFYING THE CITY OF THORNTON UTILITY CUSTOMERS OF POTENTIAL SERVICE OUTAGES, AND COORDINATE WITH THE CITY OF THORNTON FOR DETERMINATION OF MINIMUM TIME REQUIREMENT.
  - NOTIFYING THE CITY OF THORNTON ENGINEERING STAFF IF WORK IS SUSPENDED FOR ANY PERIOD OF TIME AFTER INITIAL START-UP. THE CONTRACTOR SHALL NOTIFY THE CITY OF THORNTON FORTY-EIGHT (48) HOURS PRIOR TO RESTART.
  - IN THE EVENT OF AN AFTER HOURS EMERGENCY, CALL 720-977-6234.
  - NOTIFYING THE THORNTON STAFF OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS TAKEN OUT OF SERVICE A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER MUST BE MANAGED PER THE REQUIREMENTS IDENTIFIED BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE). GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS OR EROSION OF ADJUTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. THE USE OF ANY SANITARY SEWER TO DISPOSE OF TRENCH WATER WILL NOT BE PERMITTED. NO CONCRETE SHALL BE PLACED WHERE GROUNDWATER IS VISIBLE OR UNTIL THE GROUNDWATER TABLE HAS BEEN LOWERED BELOW THE PROPOSED IMPROVEMENTS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE CONTRACTOR, THE CITY OF THORNTON, AND THE DESIGN ENGINEER AT THE TIME OF THE OCCURRENCE.
- IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO RESOLVE CONSTRUCTION PROBLEMS WITH THE CITY OF THORNTON DUE TO CHANGED CONDITIONS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE PROPOSED WORK. IF, IN THE OPINION OF THE CITY OF THORNTON, PROPOSED ALTERATIONS TO THE SIGNED CONSTRUCTION PLANS INVOLVES SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK, OR TO THE FUTURE CONTIGUOUS PUBLIC OR PRIVATE IMPROVEMENTS, THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR SUBMITTING REVISED PLANS TO THE CITY OF THORNTON FOR REVIEW, PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE WORK.
- DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. THE CITY OF THORNTON OR THE DESIGN ENGINEER EXERCISE NO CONTROLS OVER THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENTS, SCAFFOLDING, FORMS OR OTHER WORK AIDS USED IN OR ABOUT THE PROJECT, OR IN THE SUPERINTENDING OF THE SAME. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN ENGINEER OR THE CITY. THE CITY OF THORNTON ENGINEERING STAFF, OR ANY CONTRACTED ENGINEER, ARE NOT RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS RELATING THERETO.

- WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- THERE IS A SCHOOL IN VICINITY. UTMOST PRECAUTION MUST BE TAKEN TO APPROPRIATELY FENCE AND PROTECT THE CONSTRUCTION ZONE, FOR SAFETY OF CHILDREN AND WORKERS/EQUIPMENT.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPROPRIATE PERMITS FROM BOTH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT AND THE CITY OF THORNTON FOR ANY PROJECT DISTURBING ONE ACRE OR MORE OR ANY PROJECT LESS THAN ONE ACRE THAT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT.
- EACH TYPE OF CONSTRUCTION SHALL BE COMPLETED BY A CONTRACTOR THAT HAS DEMONSTRATED ACCEPTABLE QUALIFICATIONS TO THE CITY OF THORNTON AND IS A LICENSED CONTRACTOR IN THE CITY OF THORNTON.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING PEDESTRIAN TRAFFIC. ALL TRAFFIC CONTROLS SHALL CONFORM TO THE CITY OF THORNTON STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITIONS. A PLAN SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
- ALL BACKFILL SHALL CONFORM TO THE TRENCH DETAIL LOCATED IN THE CITY OF THORNTON STANDARDS & SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE IMMEDIATE REMOVAL OF ANY CONSTRUCTION DEBRIS OR MUD TRACKED ONTO EXISTING ROADWAYS.
- THE CONTRACTOR SHALL REPAIR ANY EXCAVATION OR PAVEMENT FAILURES CAUSED BY HIS CONSTRUCTION.
- THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS, WHICH HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS OF WHICH HAS BEEN REDUCED DURING HIS OPERATION. RENEWAL OF PAVEMENT STRIPING AND MARKING SHALL BE DONE IN CONFORMANCE WITH THE CITY OF THORNTON STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE EVERY MEASURE NECESSARY TO COMPLY WITH ANY STATE, COUNTY OR CITY DUST CONTROL ORDINANCE.
- CONSTRUCTION VEHICLES SHALL USE TRUCK ROUTES DESIGNATED BY THE CITY.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF THE IMPROVEMENTS FOR A MINIMUM OF ONE (1) YEARS FROM THE DATE OF INITIAL ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY OF THORNTON. ANY FAILURE DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF THORNTON AT NO EXPENSE TO THE CITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY WITHIN 24 HOURS OF BECOMING AWARE OF A DISCHARGE OF ANY POLLUTANT INTO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4). THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO THE MS4, RECEIVING WATERS, WATERWAYS, WETLANDS, OR OTHER PUBLIC OR PRIVATE PROPERTIES, RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

**PROJECT NOTES**

- EXISTING IRRIGATION LINES ARE NOT SHOWN ON THE PLAN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY DAMAGED IRRIGATION COMPONENTS TO THEIR ORIGINAL CONDITION OR BETTER.

**GENERAL NOTES - GRADING**

- ALL CONSTRUCTION ACTIVITIES THAT DISTURBS ONE OR MORE ACRES OF LAND, AS WELL AS ACTIVITIES THAT DISTURB LESS THAN ONE ACRE OF LAND, BUT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT, MUST COMPLY WITH BOTH LOCAL AND STATE REGULATIONS REGARDING STORMWATER DRAINAGE ON CONSTRUCTION SITES. OWNERS OR CONTRACTORS MUST OBTAIN A COLORADO STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) AND A STORMWATER QUALITY PERMIT FROM THE CITY OF THORNTON. CONTRACTOR SHALL:
  - MAINTAIN A COPY OF THE GRADING EROSION AND SEDIMENT CONTROL PLAN (GESC) ONSITE AT ALL TIMES OR PROVIDE AN UPDATED DIGITAL COPY WITHIN TWO BUSINESS DAYS UPON REQUEST.
  - INSTALL AND MAINTAIN EROSION, SEDIMENT, AND MATERIALS MANAGEMENT CONTROL MEASURE AS SPECIFIED IN THE GESC.
  - INSPECT ALL CONTROL MEASURES AT LEAST EVERY SEVEN (7) DAYS OR EVERY FOURTEEN (14) DAYS AND WITHIN TWENTY FOUR (24) HOURS AFTER ANY PRECIPITATION OR SNOWMELT EVENT THAT CAUSES SURFACE RUNOFF.
  - MAINTAIN INSPECTION AND MAINTENANCE RECORDS OF CONTROL MEASURES WITH THE GESC. COPIES OF THESE REPORTS SHALL BE PROVIDED TO THE CITY OF THORNTON ENGINEERING STAFF.
  - BASED ON INSPECTIONS PERFORMED BY THE PERMIT HOLDER OR BY CITY PERSONNEL, MODIFICATIONS TO THE GRADING, EROSION AND SEDIMENT CONTROL PLAN WILL BE NECESSARY IF AT ANY TIME THE SPECIFIED CONTROL MEASURES DO NOT MEET THE OBJECTIVES OF THE PERMIT. ALL MODIFICATIONS SHALL BE COMPLETED AS SOON AS PRACTICABLE AFTER THE REFERENCED INSPECTION, AND SHALL BE RECORDED ON THE GRADING, EROSION AND SEDIMENT CONTROL PLAN.
  - THE CONTRACTOR SHALL AMEND THE EROSION CONTROL PLAN WHENEVER THERE IS A SIGNIFICANT CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO THE RECEIVING WATERS, OR IF THE EROSION CONTROL PLAN PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
  - INSTALLATION AND MAINTENANCE OF CONTROL MEASURES SHALL BE SUPERVISED BY PERSONNEL CERTIFIED IN EROSION AND SEDIMENT CONTROL.
  - ALL APPROPRIATE CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF EACH CONSTRUCTION PHASE.
- APPROPRIATE STABILIZED CONSTRUCTION ENTRANCES WITH VEHICLE TRACKING

CONTROLS INSTALLED SHALL BE UTILIZED AT ALL TIMES TO REDUCE THE TRACKOUT OF SEDIMENT. IF NON-STRUCTURAL VEHICLE TRACKING CONTROLS ARE UTILIZED, CLEANUP OF TRACKOUT MUST OCCUR AT THE END OF EVERY BUSINESS DAY WITH CONSTRUCTION ACTIVITY OCCURRING.

- ALL SITE GRADING (EXCAVATION, EMBANKMENT, AND COMPACTION) SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST SOILS INVESTIGATION FOR THIS PROPERTY AND SHALL FURTHER BE IN CONFORMANCE WITH THE CITY OF THORNTON "STANDARDS AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS", LATEST EDITION.
- NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION AND FOR THE SHORTEST PRACTICAL PERIOD OF IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AVOID ANY DAMAGE TO EXISTING FOLIAGE THAT LIES IN THE PROJECT AREA UNLESS DESIGNATED FOR REMOVAL AND SHALL BE LIABLE FOR SUCH DAMAGE AT HIS/HER EXPENSE.
- TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE RE-VEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSION ELEMENTS. IF MATERIALS ARE STORED OFFSITE, A WRITTEN USE AGREEMENT BETWEEN THE PERMITTEE AND THE CONTRACTOR OF ANY CONTROL MEASURES BEING UTILIZED OUTSIDE OF THE PERMITTED AREA MUST BE MADE AVAILABLE TO CITY PERSONNEL UPON REQUEST.
- TEMPORARY VEGETATION/STABILIZATION SHALL BE INSTALLED ON ALL DISTURBED AREAS WHERE PERMANENT SURFACE IMPROVEMENTS ARE NOT SCHEDULED FOR IMMEDIATE INSTALLATION BUT NO LATER THAN FOURTEEN DAYS. SEEDING WILL BE DONE ACROSS THE SLOPE FOLLOWING THE CONTOURS. VEGETATION SHALL CONFORM TO THE CITY OF THORNTON STANDARDS AND SPECIFICATIONS AND NATIVE SEED DESIGN GUIDELINES. PROJECT SCHEDULING SHOULD TAKE ADVANTAGE OF SPRING OR FALL PLANTING SEASONS FOR NATURAL GERMINATION. SEEDING AREAS SHALL BE IRRIGATED IN ACCORDANCE WITH THE CITY OF THORNTON'S STANDARDS AND SPECIFICATIONS AND NATIVE SEED DESIGN GUIDELINES.
- AT ALL TIMES, A WATER TRUCK SHALL BE ON-SITE AND THE PROPERTY SHALL BE MAINTAINED AND/OR WATERED TO PREVENT WIND-CAUSED EROSION. EARTHWORK OPERATIONS SHALL BE DISCONTINUED WHEN FUGITIVE DUST SIGNIFICANTLY IMPACTS ADJACENT PROPERTY. IF EARTHWORK IS COMPLETE OR DISCONTINUED AND DUST FROM THE SITE CONTINUES TO CREATE PROBLEMS, THE OWNER/DEVELOPER SHALL IMMEDIATELY INSTITUTE MITIGATION MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.
- TEMPORARY CUT/FILL SLOPES SHALL ABIDE BY THE SOILS REPORT. PERMANENT SLOPES SHALL BE AS SHOWN ON PLANS.
- DEPTH OF MOISTURE-DENSITY CONTROL SHALL BE FULL DEPTH ON ALL EMBANKMENT AND SIX (6) INCHES ON THE BASE OF CUTS AND FILLS. 11.Outlet SIDES OF ALL STORM PIPES SHALL BE GRADED TO DRAIN AND SHALL HAVE SUFFICIENT EROSION PROTECTION.

**BASIS OF BEARINGS**

BASIS OF BEARINGS: ASSUMING A LINE WITHIN SECTION 24, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, AS MONUMENTED BY A NO. 5 REBAR WITH A 2 INCH ALUMINUM CAP AND A MAG NAIL IN ASPHALT TO BEAR NORTH 43°08'38" EAST, BEING A GRID BEARING OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983/2007, A DISTANCE OF 201.96 FEET WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

**BENCHMARK**

VERTICAL DATUM: BASED ON OPUS SOLUTION AT BASELINE CONTROL POINT NUMBER 1 ELEVATION = 5253.78'



Engineering • Planning • Surveying

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DESIGNED BY: MNJ  
DRAWN BY: LAR  
CHECKED BY: LRW

PREPARED BY: MNJ  
DATE: 12/16/22  
REVISION DESCRIPTION: 60% CONSTRUCTION DOCUMENTS  
95% CONSTRUCTION DOCUMENTS

ADAMS COUNTY

CITY OF THORNTON  
CHERRYWOOD PARK  
13807 MADISON STREET  
GENERAL NOTES

THORNTON

PREPARED UNDER THE DIRECT SUPERVISION OF

**PRELIMINARY NOT FOR CONSTRUCTION**

FOR AND ON BEHALF OF  
BASELINE CORPORATION  
INITIAL SUBMITTAL: 12/16/22  
DRAWING SIZE: 22" x 34"  
SURVEY FIRM: SURVEY DATE: BASELINE 09/21/22  
JOB NO.: C03590  
DRAWING NAME: 3590 - 01-05-COVER-S00.dwg  
SHEET 2 OF 15

**LEGEND**

EXISTING LINETYPES	PROPOSED LINETYPES	
— 81 —	— 81 —	MINOR CONTOUR (1' INTERVAL)
- - - 5280 - - -	- - - 5280 - - -	MAJOR CONTOUR (5' INTERVAL)
— — — — —	— — — — —	PROPERTY BOUNDARY
— — — — —	— — — — —	RIGHT-OF-WAY
— — — — —	— — — — —	LOT LINE
— — — — —	— — — — —	EASEMENT
— — — — —	— — — — —	SECTION LINE
— — — — —	— — — — —	EDGE OF ASPHALT
— — — — —	— — — — —	EDGE OF GRAVEL
— — — — —	— — — — —	CURB AND GUTTER (SPILL/CATCH)
x x x x x	x x x x x	WIRE FENCE
- - - - -	- - - - -	DITCH FLOWLINE
— W — W —	— W — W —	WATER LINE
— WS — WS —	— WS — WS —	WATER SERVICE
— IRR — IRR —	— IRR — IRR —	IRRIGATION LINE
— SAN — SAN —	— SAN — SAN —	SANITARY SEWER MAIN
— SS — SS —	— SS — SS —	SANITARY SEWER SERVICE
— ST — ST —	— ST — ST —	STORM SEWER
— GAS — GAS —	— GAS — GAS —	GASLINE
— OHU — OHU —	— OHU — OHU —	OVERHEAD UTILITY
— HVT — HVT —	— HVT — HVT —	HIGH VOLTAGE TRANSMISSION
— E — E —	— E — E —	UNDERGROUND ELECTRIC
— T — T —	— T — T —	UNDERGROUND TELEPHONE
— FO — FO —	— FO — FO —	FIBER OPTIC
— CTV — CTV —	— CTV — CTV —	CABLE TV
— — — — —	— — — — —	CONSTRUCTION LIMITS

EXISTING SYMBOLS	PROPOSED SYMBOLS	
25.4±	25.36	SPOT ELEVATION
→	→	FLOW DIRECTION, TYPICALLY ON PAVED SURFACES
→	→	FLOW DIRECTION, TYPICALLY IN GRASSED SWALE
⊙	⊙	FIRE HYDRANT
⊕	⊕	WATER VALVE
⊙	⊙	WATER METER
⊙	⊙	WATER MANHOLE
⊙	⊙	SANITARY MANHOLE
⊙	⊙	TYPE 'R' INLET
⊙	⊙	TYPE '13' VALLEY INLET
⊙	⊙	TYPE '13' CURB INLET
⊙	⊙	TYPE 'C' INLET
▽	▽	CONCRETE FLARED END SECTION
▽	▽	METAL FLARED END SECTION
⊙	⊙	STORM DRAIN MANHOLE
⊙	⊙	LIGHT POLE
⊙	⊙	POWER POLE
⊙	⊙	ELECTRIC PEDESTAL
⊙	⊙	GAS METER
⊙	⊙	SIGN

**PROPOSED HATCHING**

	SIDEWALK PAVING
	DEMOLITION AREA
	GROUND

**STANDARD ABBREVIATIONS**

FL	= FLOWLINE
INV	= INVERT
TP	= TOP OF PAVEMENT
TC	= TOP OF CONCRETE
TBC	= TOP BACK OF CURB
HP	= HIGH POINT
LP	= LOW POINT
GB	= GRADE BREAK
EOA	= EDGE OF ASPHALT
EOG	= EDGE OF GRAVEL
TW	= TOP OF WALL
BW	= BOTTOM OF WALL
TOS	= TOP OF STEP
BOS	= BOTTOM OF STEP
ME	= MATCH EXISTING
CMP	= CORRUGATED METAL PIPE
HDPE	= HIGH-DENSITY POLYETHYLENE



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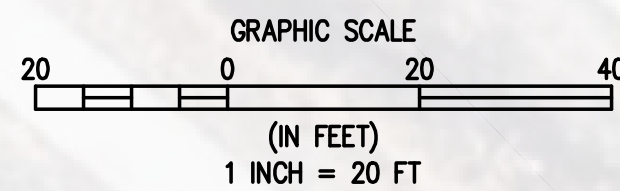
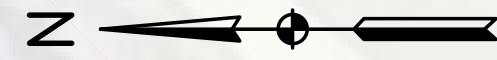
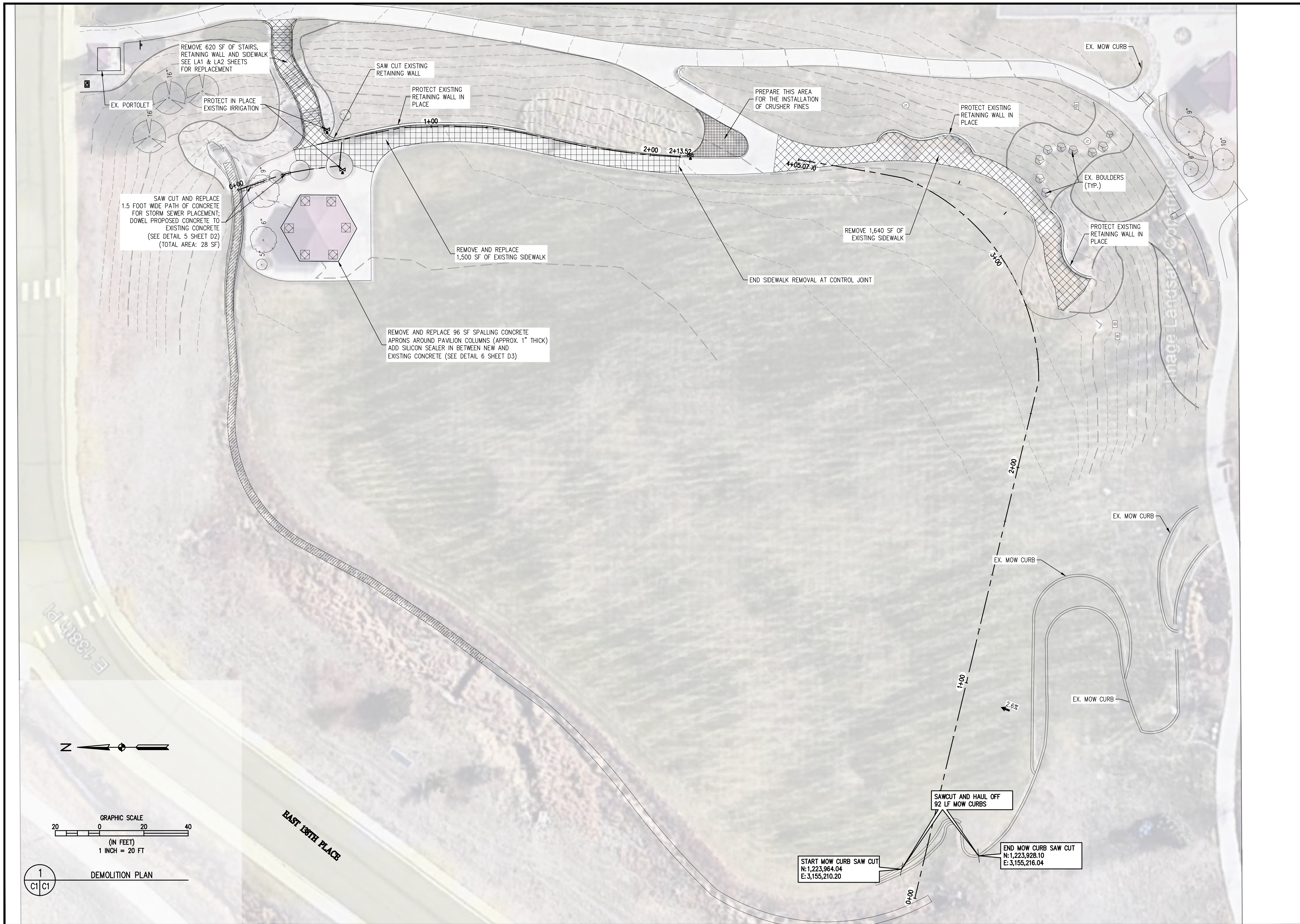
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LEGEND & ABBREVIATIONS

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FOR AND ON BEHALF OF	BASELINE CORPORATION
INITIAL SUBMITTAL	12/16/22
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SURVEY FIRM	BASELINE
SURVEY DATE	09/21/22
JOB NO.	C03590
DRAWING NAME	3590 - 01-05-COVER-S00.dwg
SHEET	3 OF 15

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1  
C1|C1

DEMOLITION PLAN

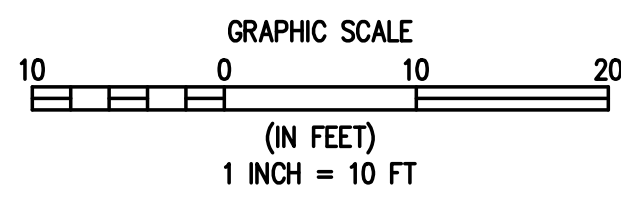
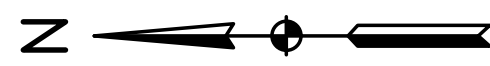
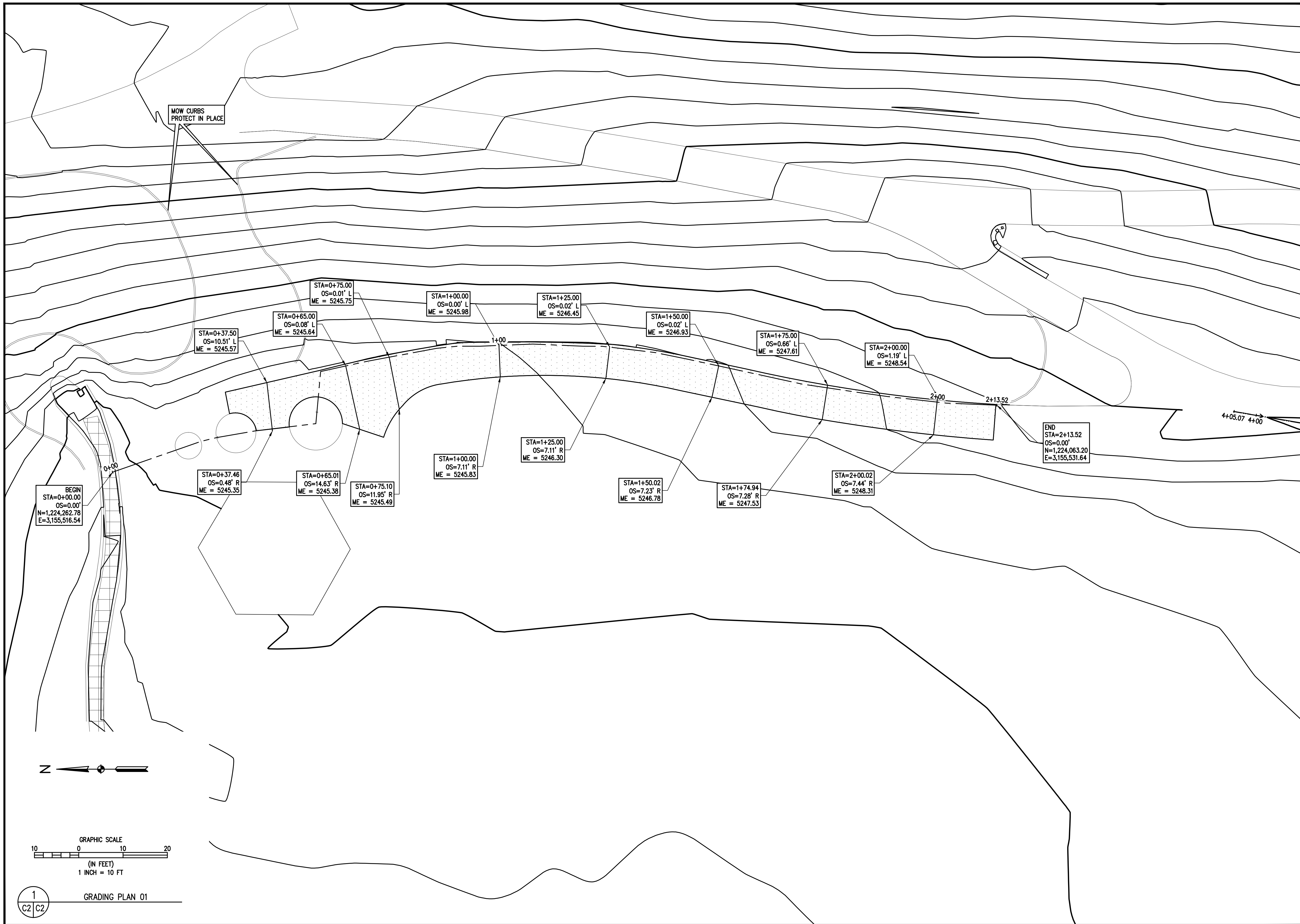
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95% CONSTRUCTION DOCUMENTS	02/03/23	MINJ	LAR

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DEMOLITION PLAN

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SURVEY FIRM BASELINE SURVEY DATE 09/21/22  
JOB NO. C03590  
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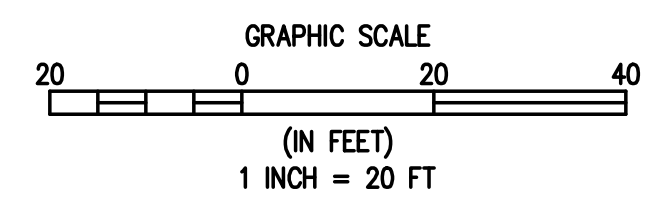
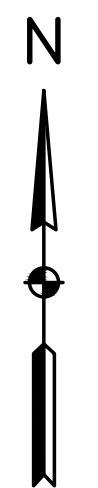
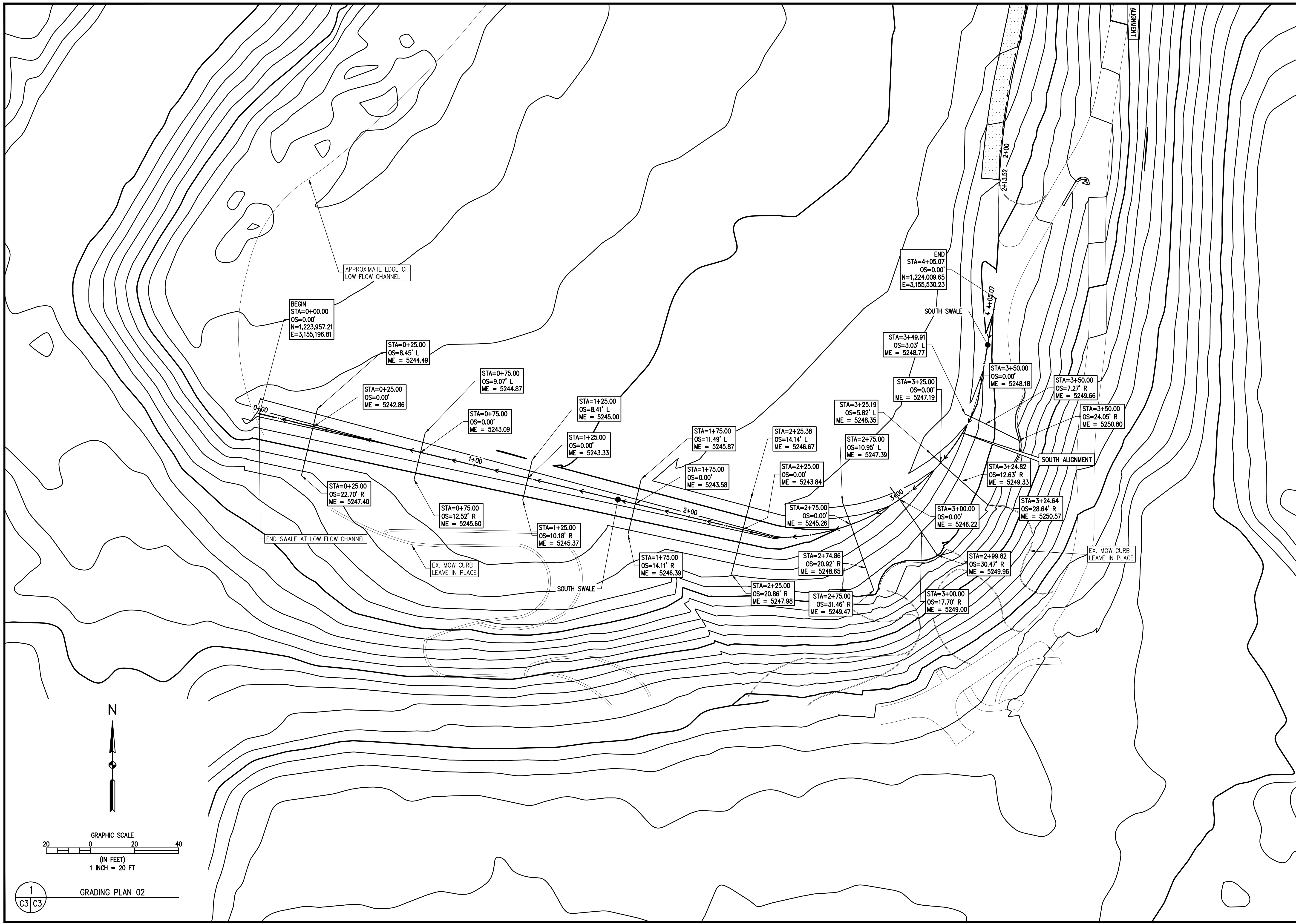
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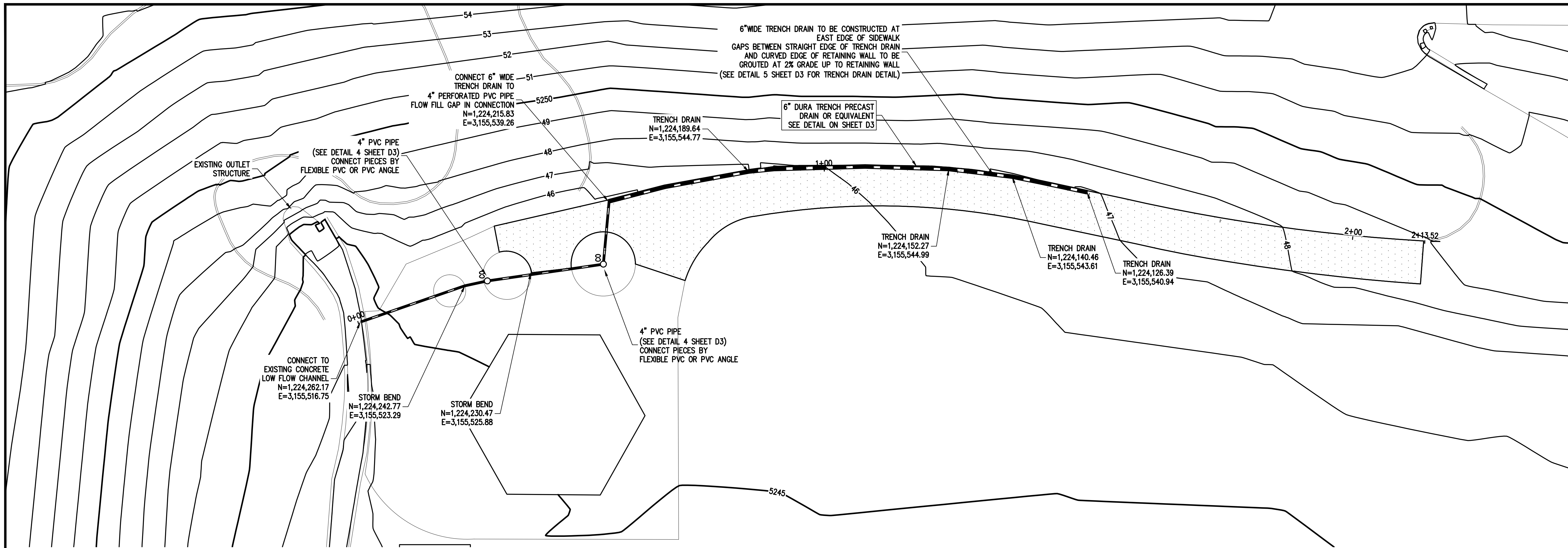


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GRADING PLAN 02

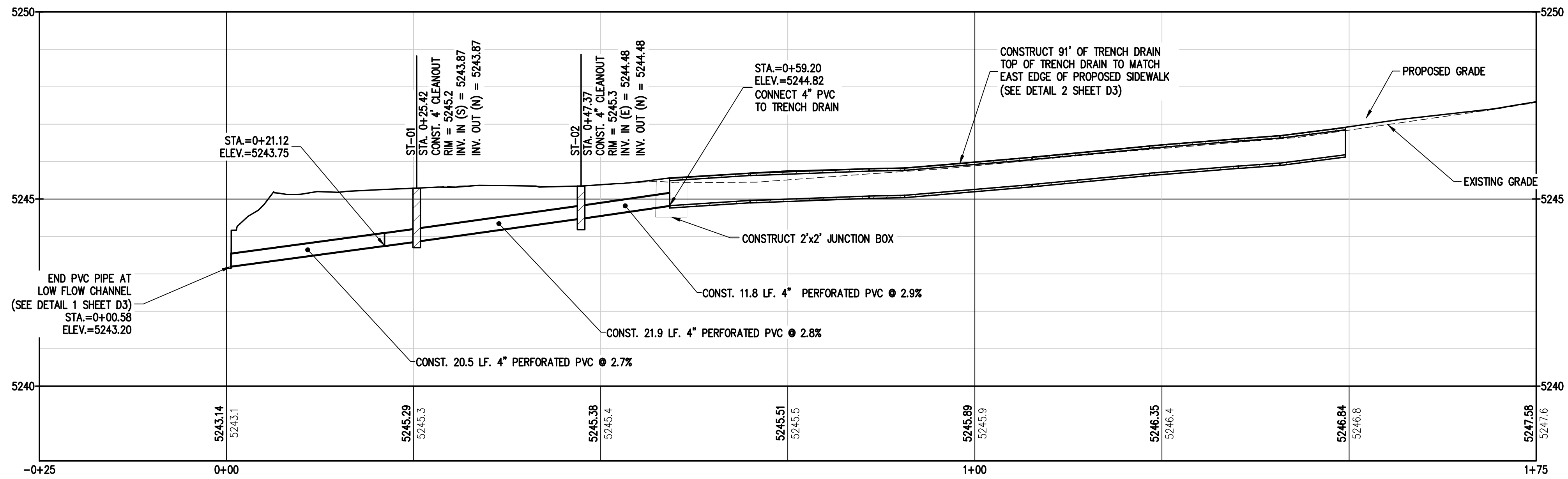
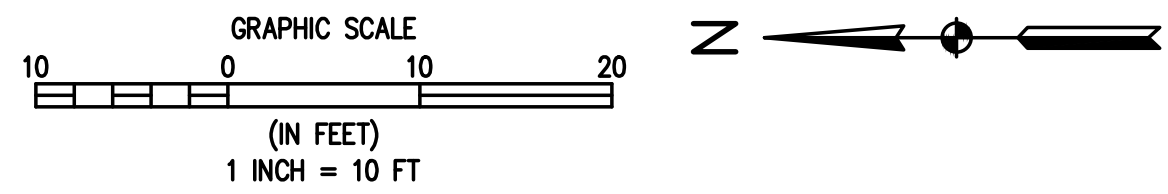
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<p>CITY OF THORNTON ADAMS COUNTY</p> <p>CHERRYWOOD PARK 13807 MADISON STREET GRADING PLAN 02</p>	
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JOB NO.	C03590
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C3

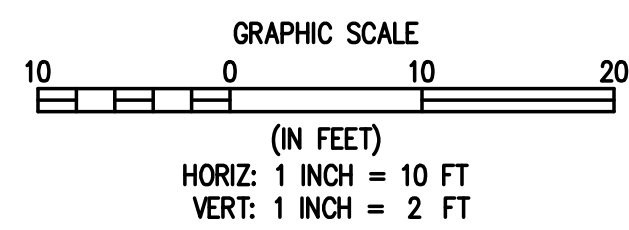
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1 STORM ALIGNMENT PLAN VIEW  
C3 C3



2 STORM ALIGNMENT PROFILE VIEW  
C3 C3



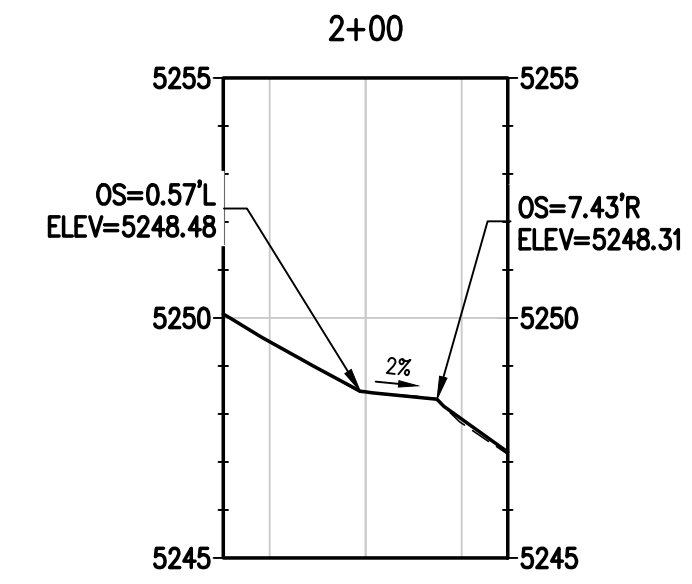
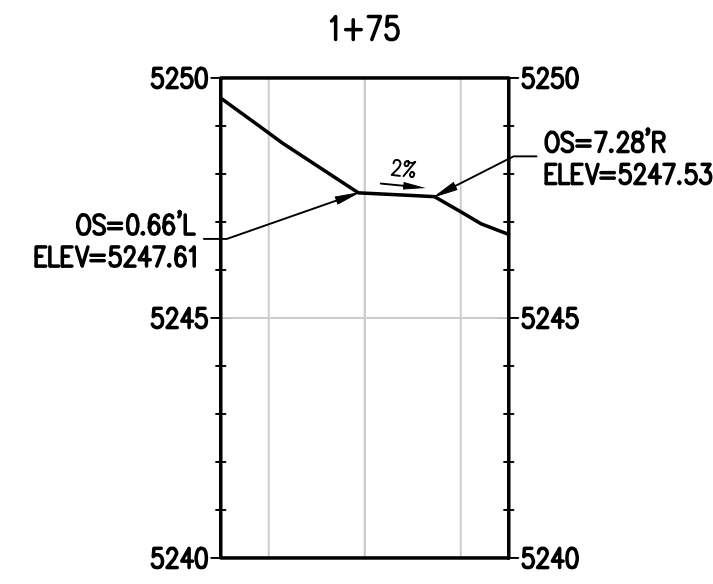
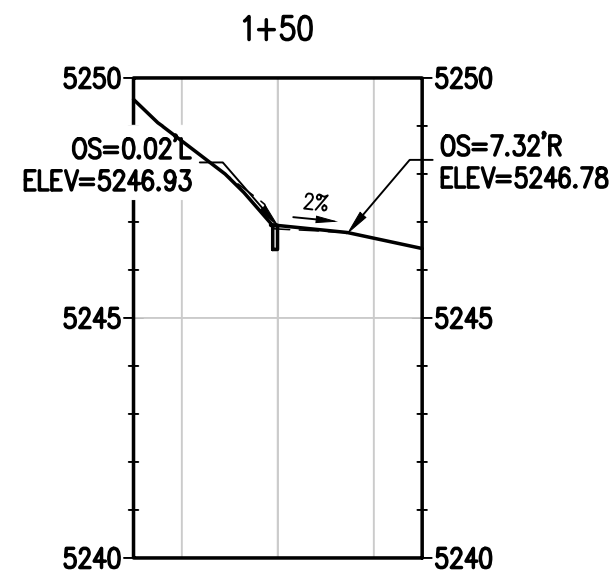
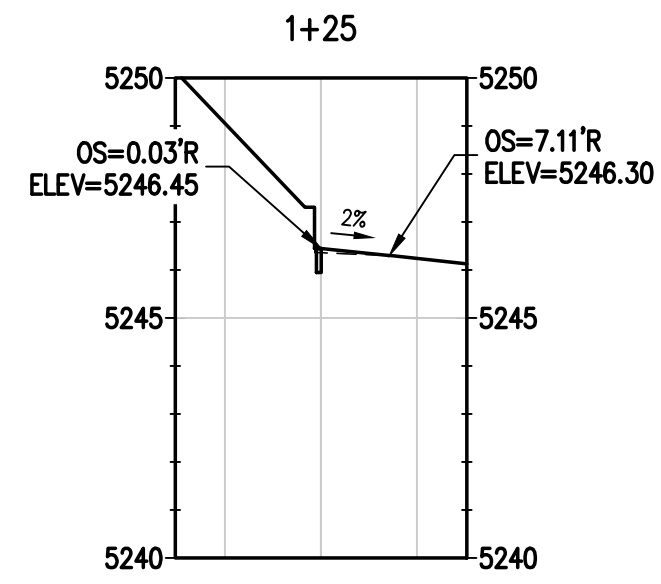
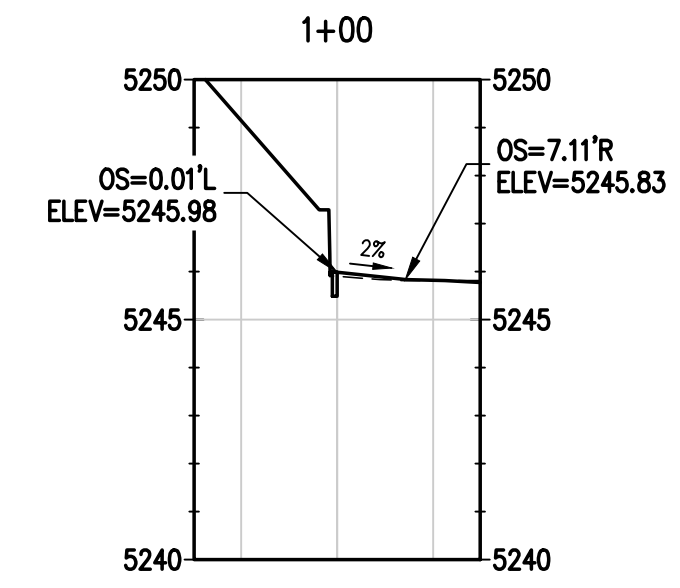
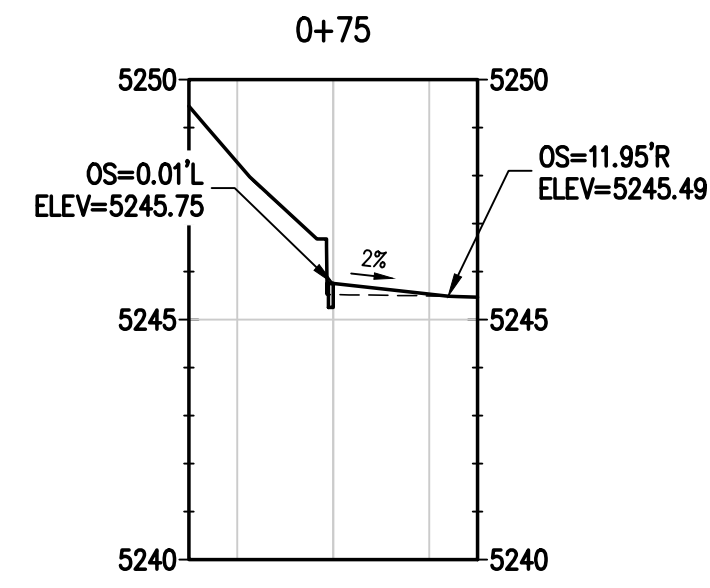
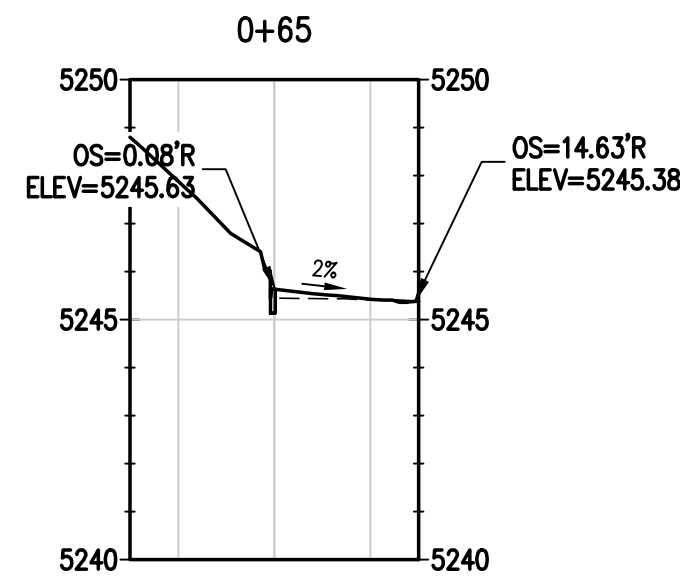
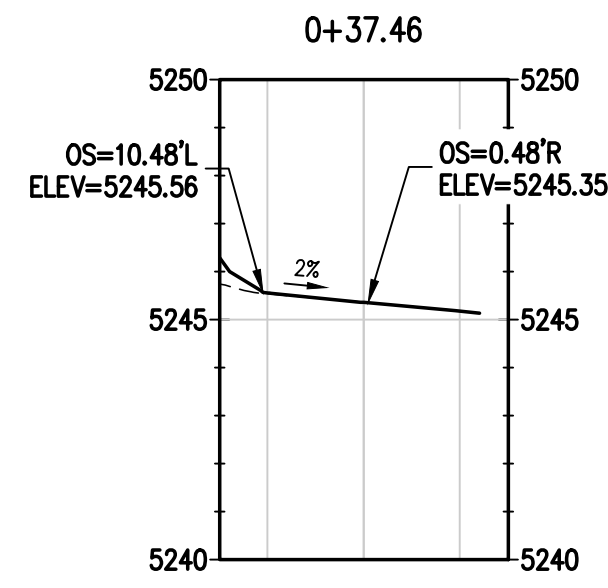
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STORM PLAN & PROFILE

FOR AND ON BEHALF OF  
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C4

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**NORTH SIDEWALK**



**STATIONING FROM NORTH ALIGNMENT**

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 CROSS SECTIONS 01

FOR AND ON BEHALF OF  
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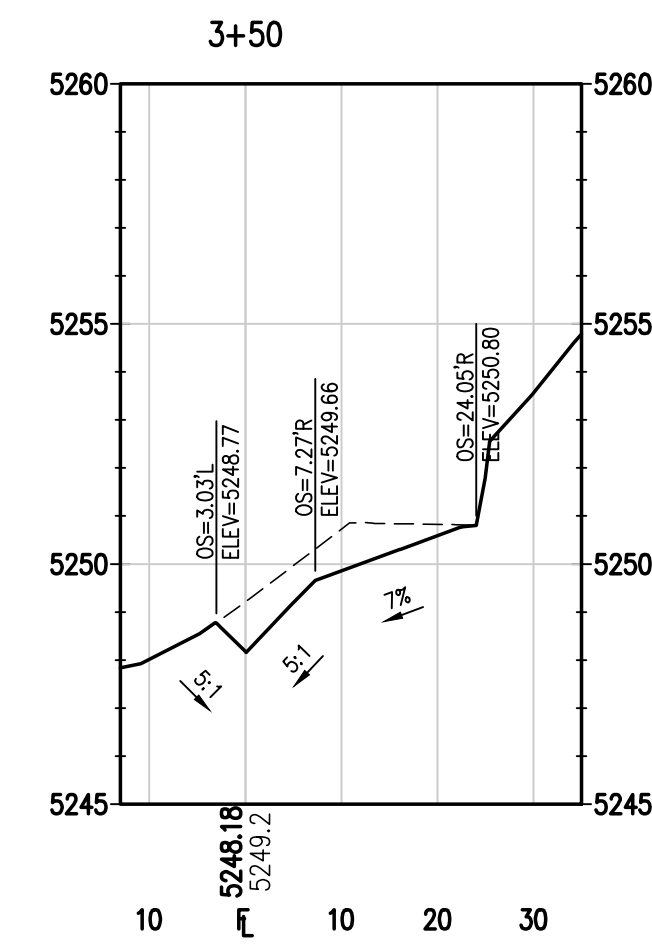
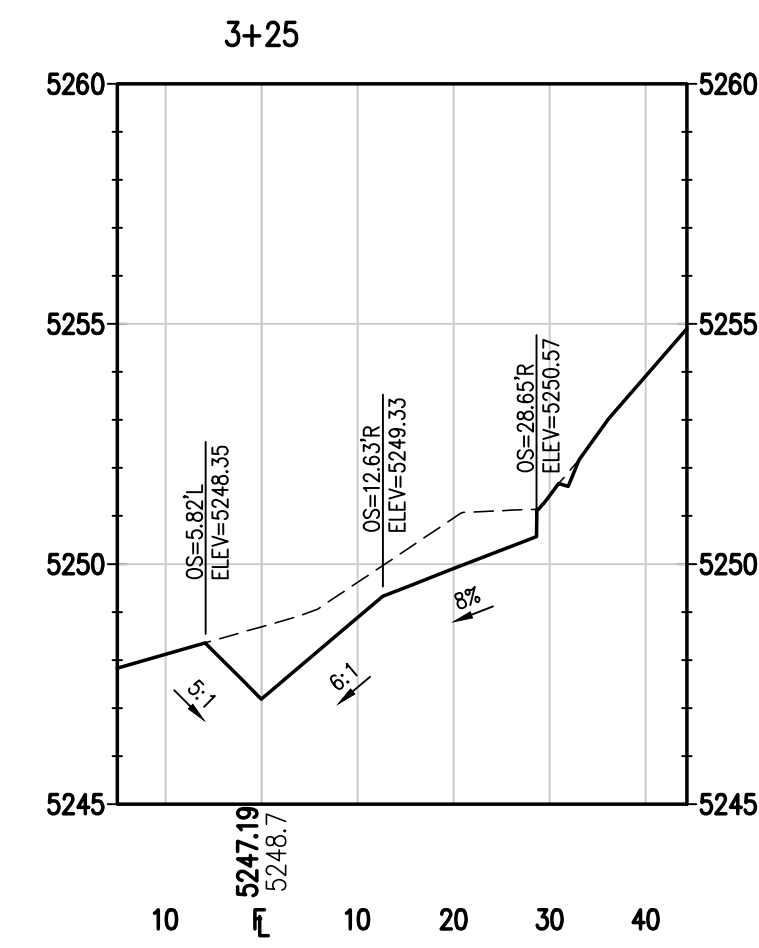
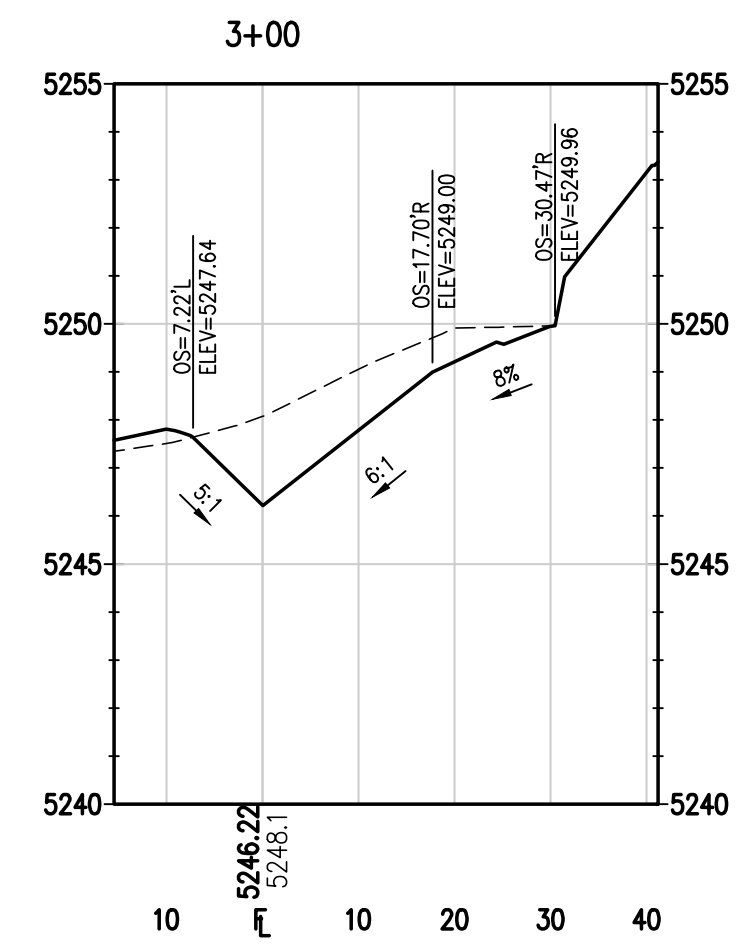
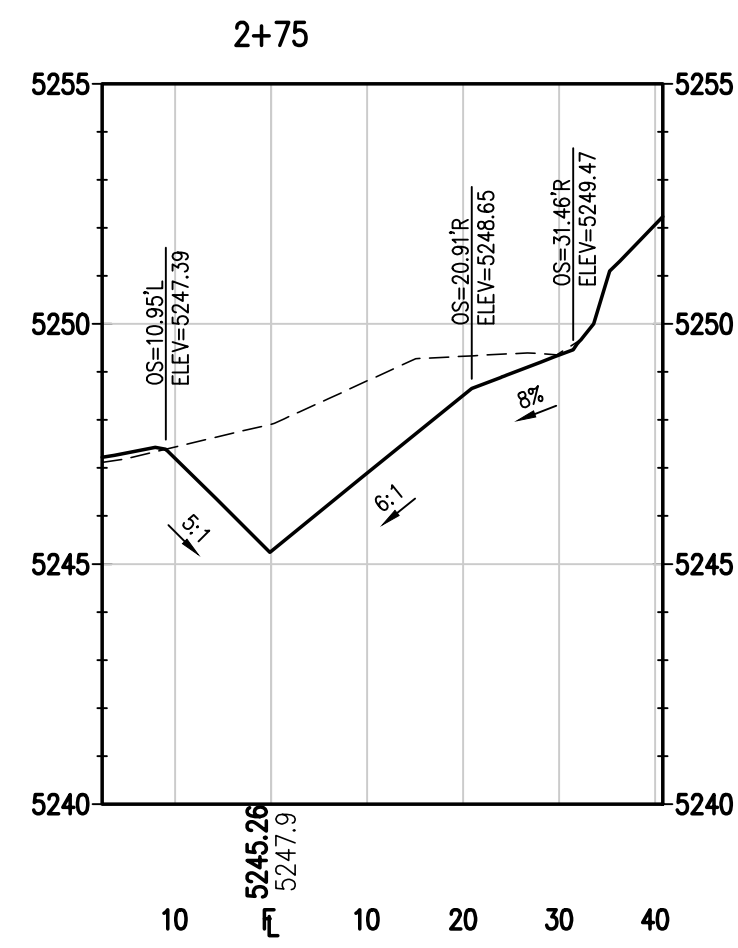
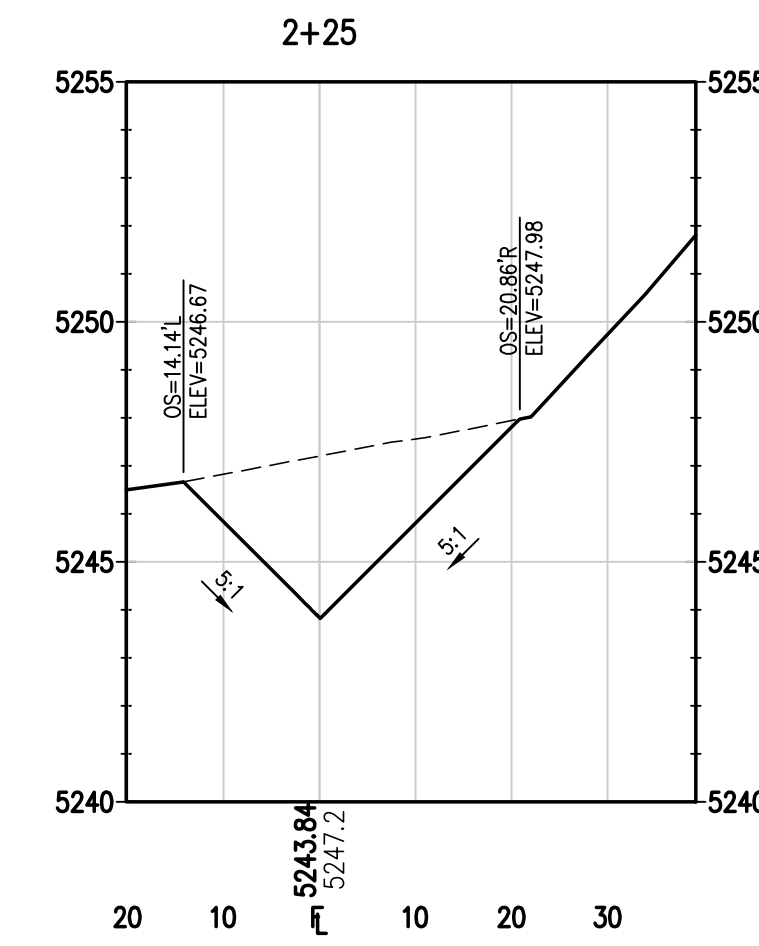
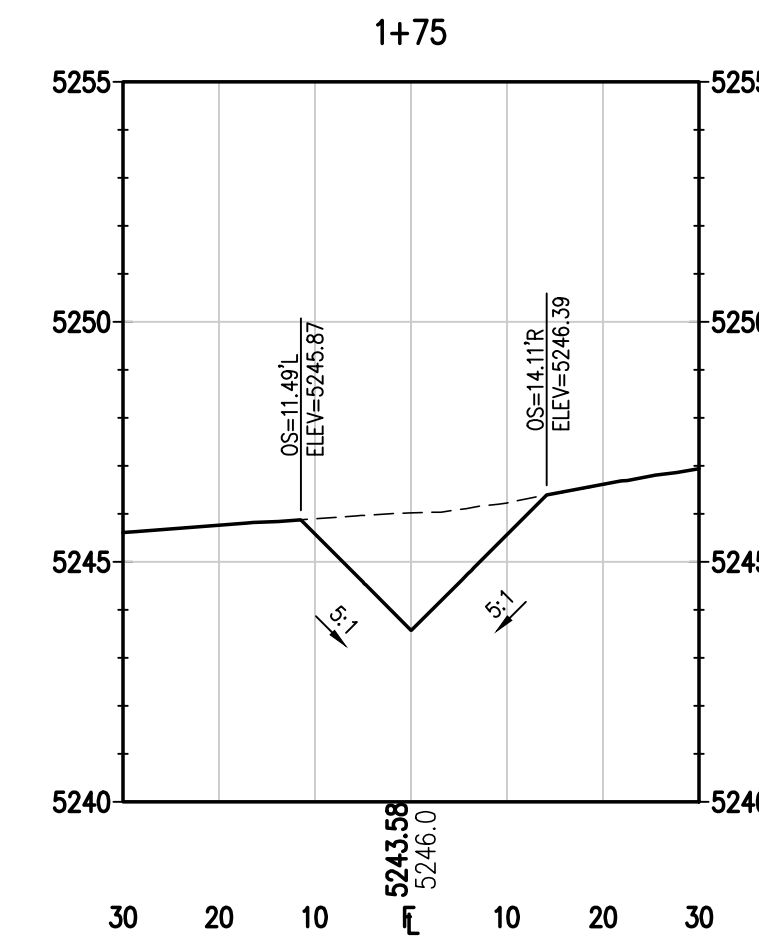
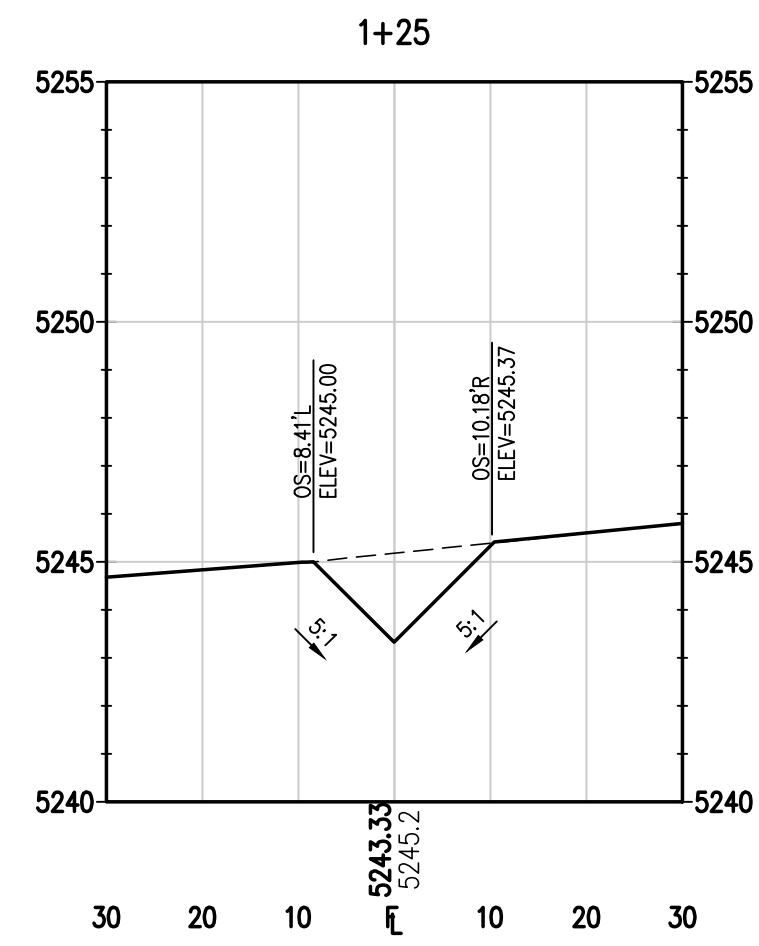
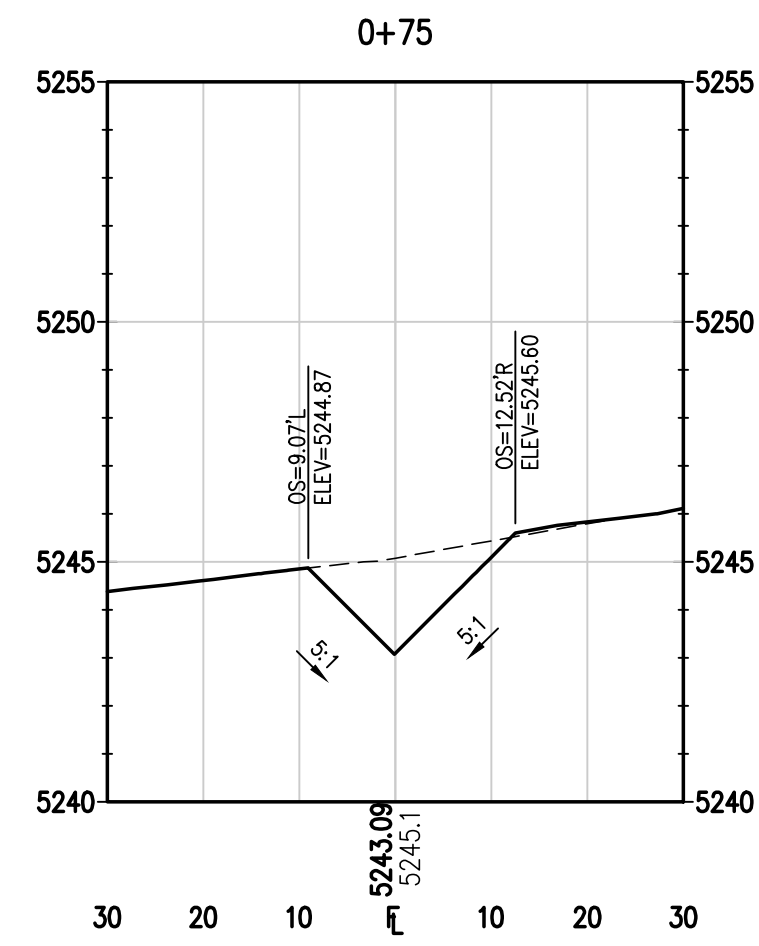
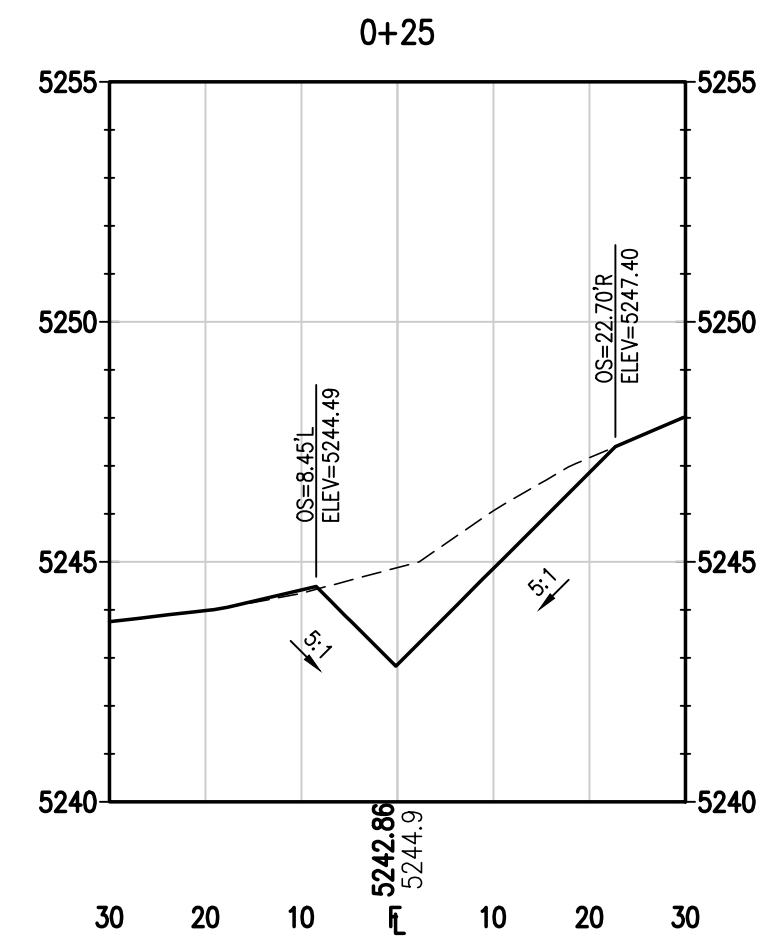
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SURVEY FIRM	SURVEY DATE
BASELINE	09/21/22
JOB NO.	C03590
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**SOUTH SWALE**



**STATIONING FROM SOUTH ALIGNMENT**



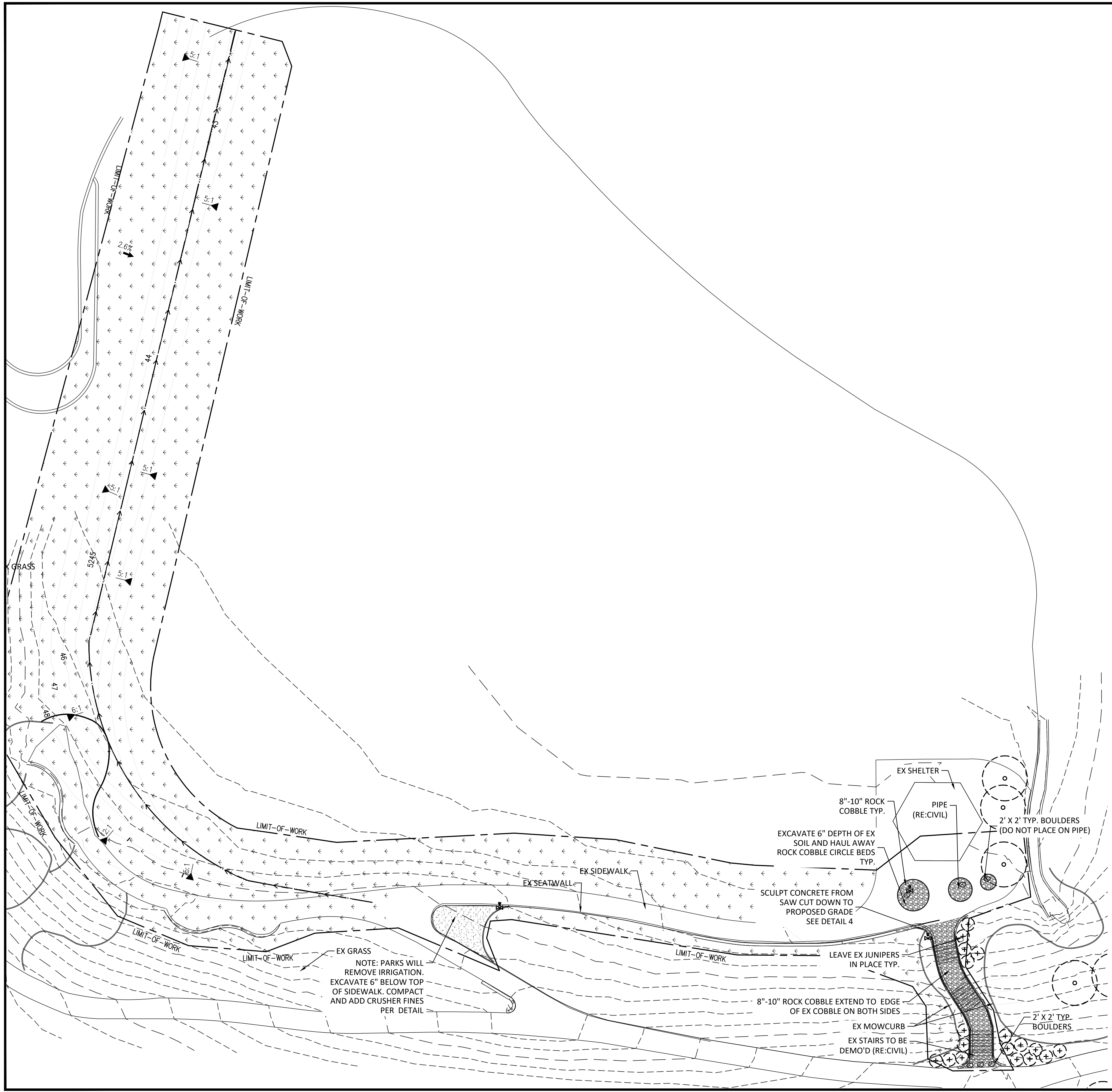
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 13807 MADISON STREET  
 CROSS SECTIONS 02

FOR AND ON BEHALF OF  
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 DRAWING SIZE 22" X 34"  
 SURVEY FROM BASELINE 09/21/22  
 SURVEY DATE 09/21/22  
 JOB NO. C03590  
 DRAWING NAME 3590 - 09-10 - XSECS.dwg  
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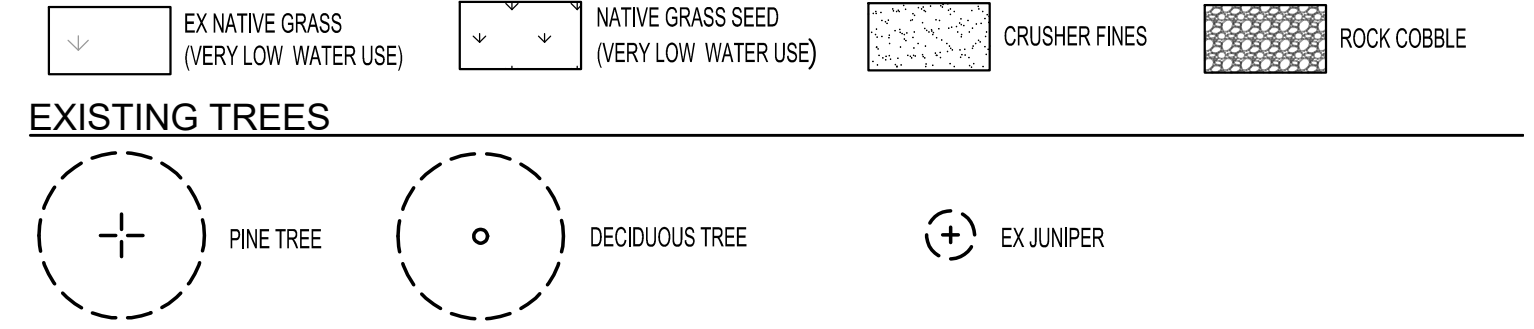
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**SEED NOTES:**

SEED SHALL BE INSTALLED WHEN AT LEAST 3 MONTHS REMAIN IN THE GROWING SEASON. IF LESS THAN 3 MONTHS REMAIN IN THE GROWING SEASON AT THE TIME OF SEEDING, THE LANDSCAPE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER.  
ALL SEED APPLICATIONS SHALL BE DRILL SEEDED, WITH HYDROMULCH APPLIED OVER THE SEED BED AFTER SEEDING.

HYDROMULCH MIX	
WOOD FIBER MULCH	46
15-15-15 ORGANIC FERTILIZER	9
ORGANIC BINDER/TACKIFIER	4



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13807 MADISON STREET

LANDSCAPE PLAN

FOR AND ON BEHALF OF  
BASELINE CORPORATION

INITIAL SUBMITTAL 12/16/22

DRAWING SIZE 22" X 34"

SURVEY FIRM SURVEY DATE  
BASELINE 09/21/22

JOB NO. C03590

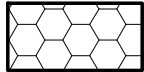
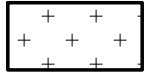


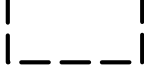


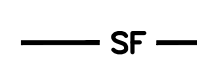



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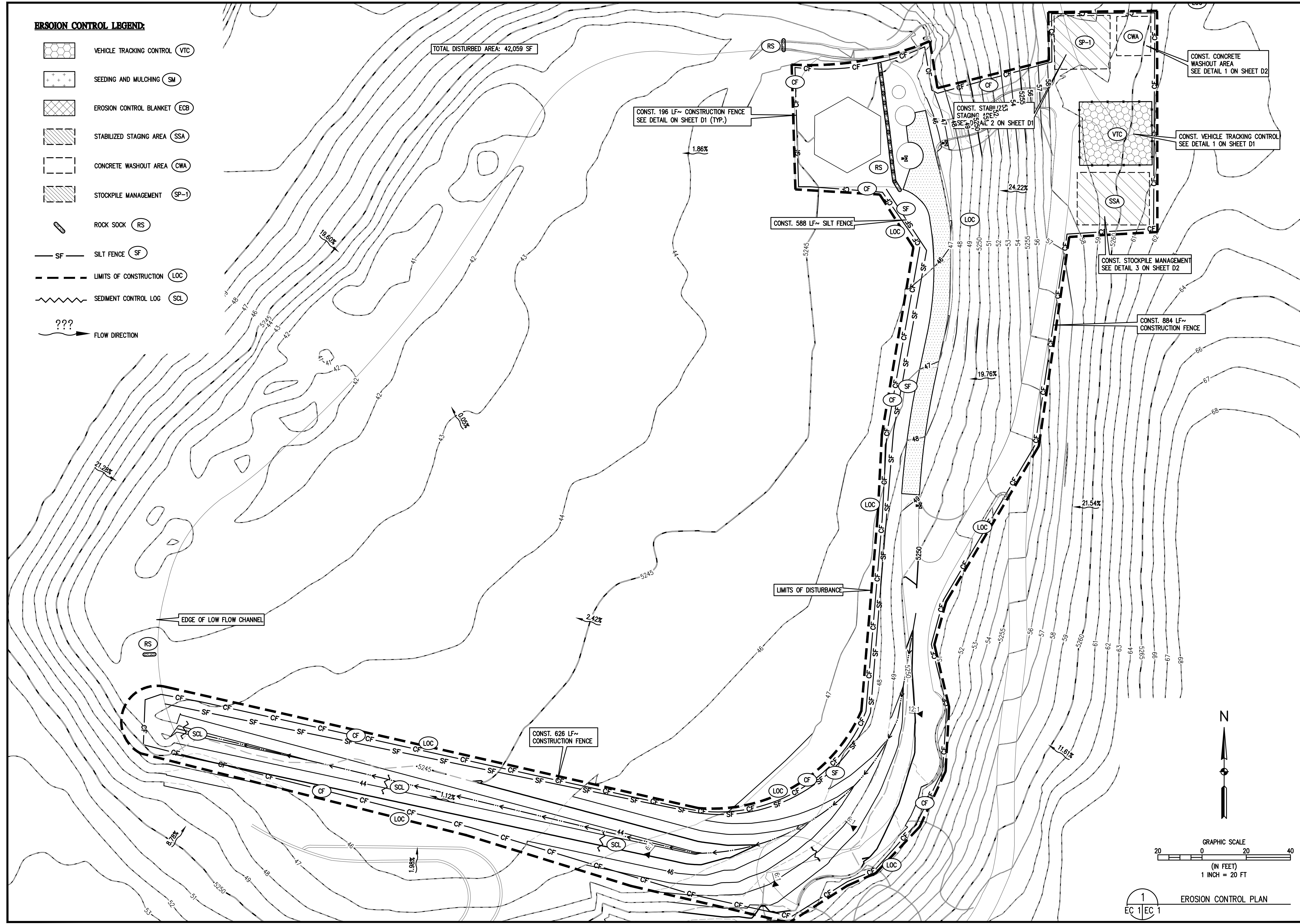
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**EROSION CONTROL LEGEND:**

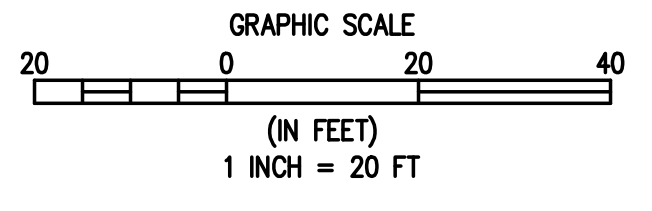
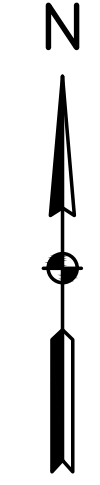
-  VEHICLE TRACKING CONTROL (VTC)
-  SEEDING AND MULCHING (SM)
-  EROSION CONTROL BLANKET (ECB)
-  STABILIZED STAGING AREA (SSA)
-  CONCRETE WASHOUT AREA (CWA)
-  STOCKPILE MANAGEMENT (SP-1)
-  ROCK SOCK (RS)
-  SILT FENCE (SF)
-  LIMITS OF CONSTRUCTION (LOC)
-  SEDIMENT CONTROL LOG (SCL)
-  FLOW DIRECTION



TOTAL DISTURBED AREA: 42,059 SF

EDGE OF LOW FLOW CHANNEL

LIMITS OF DISTURBANCE



1  
EC 1/EC 1 EROSION CONTROL PLAN

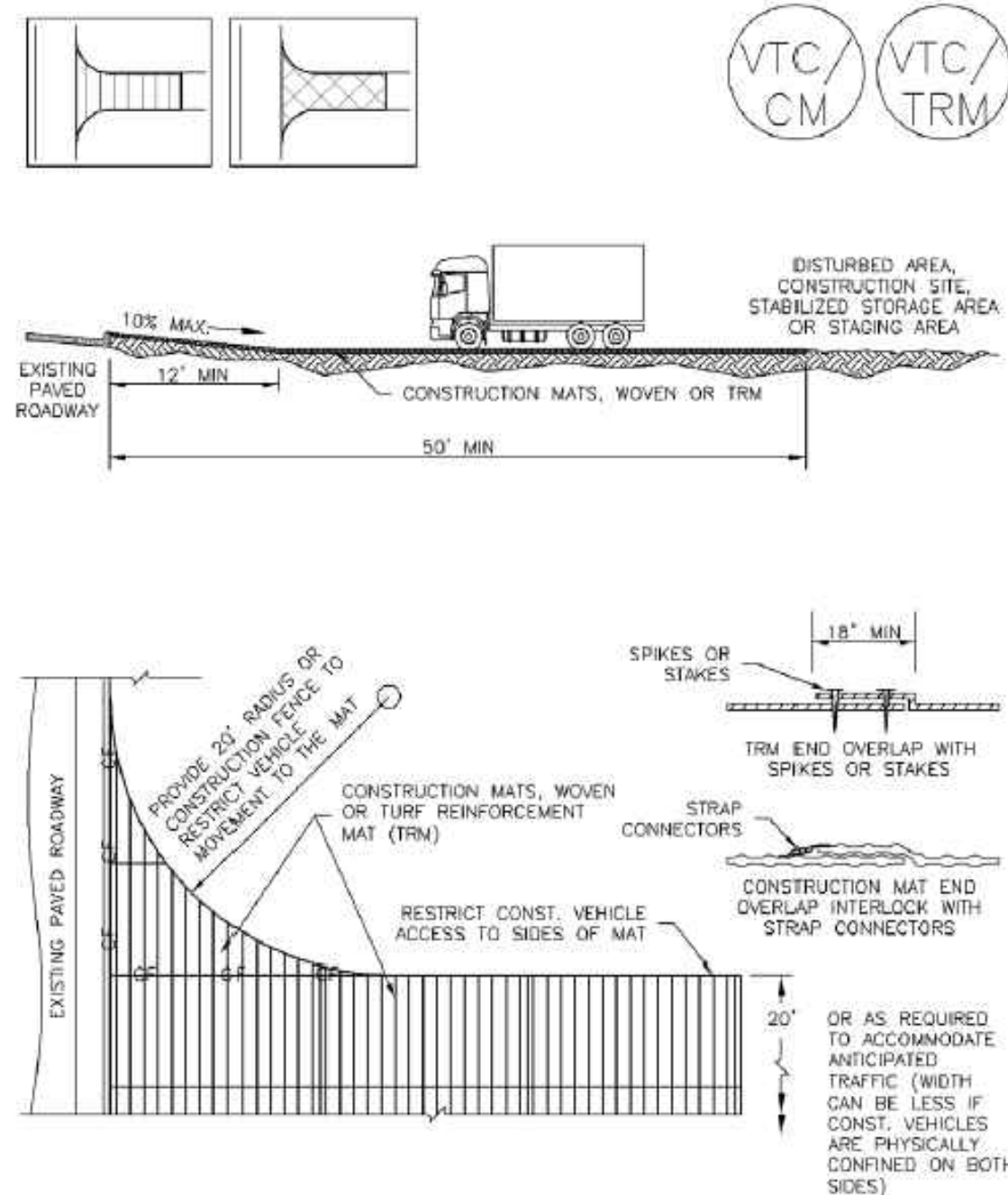
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EROSION CONTROL PLAN

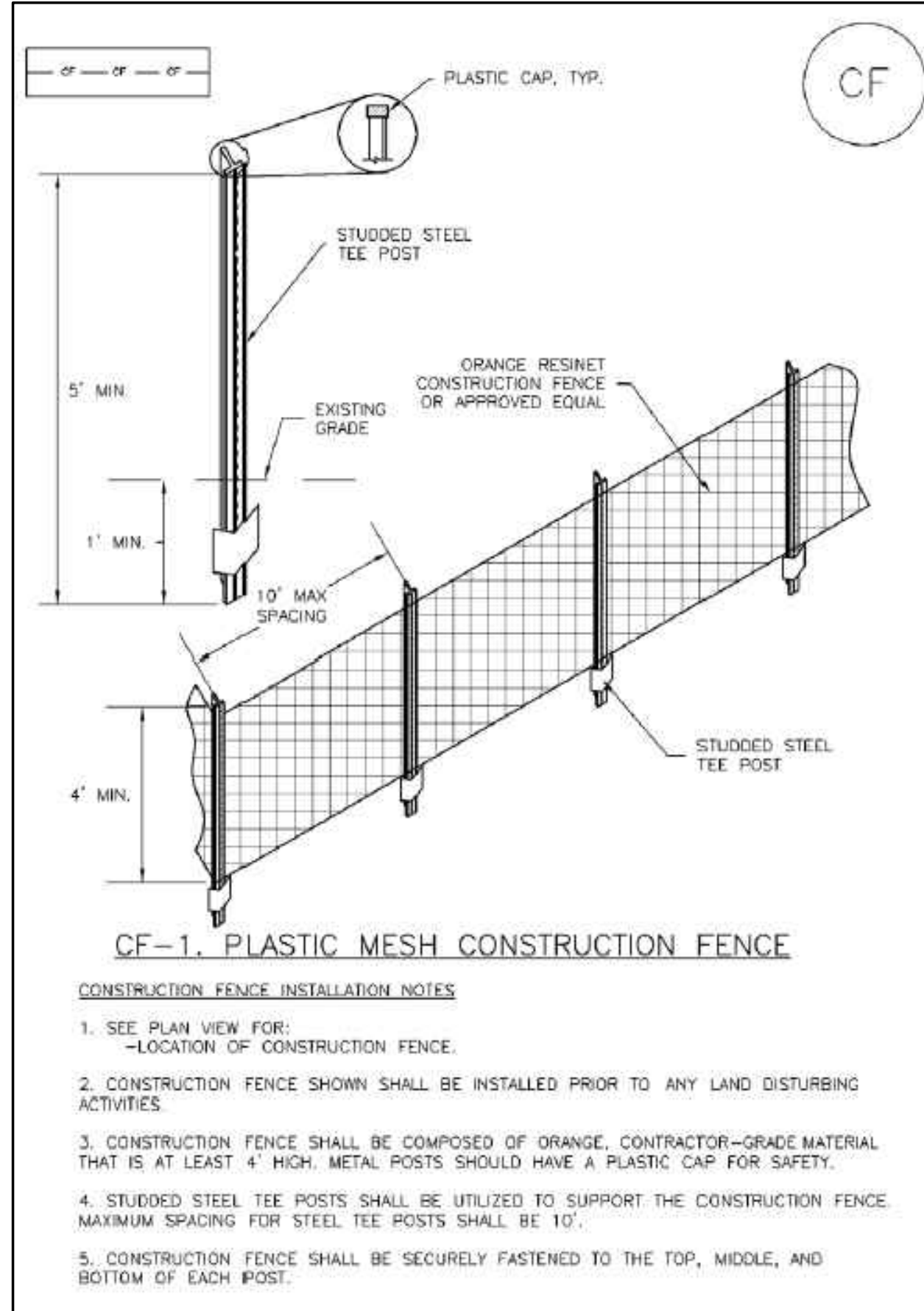
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SHEET 12 OF 15  
EC 1

**Vehicle Tracking Control (VTC) SM-4**



**VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)**

**1**  
D1|D1  
VEHICLE TRACKING CONTROL



**CF-1. PLASTIC MESH CONSTRUCTION FENCE**

**CONSTRUCTION FENCE INSTALLATION NOTES**

1. SEE PLAN VIEW FOR LOCATION OF CONSTRUCTION FENCE.
2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR-GRADE MATERIAL THAT IS AT LEAST 4" HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.
4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.
5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

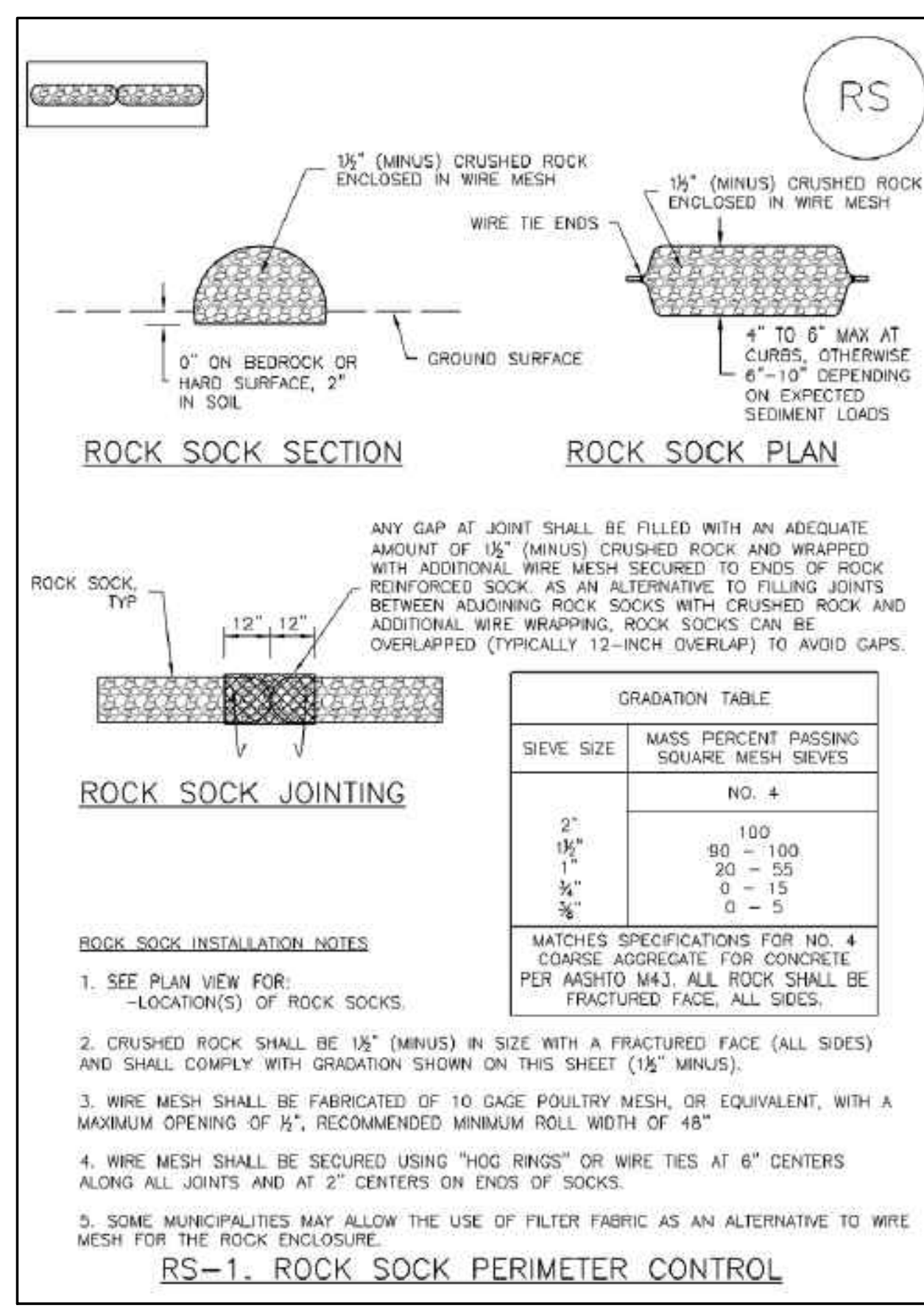
**CONSTRUCTION FENCE MAINTENANCE NOTES**

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

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

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

**2**  
D1|D1  
CONSTRUCTION FENCE



**ROCK SOCK SECTION**

**ROCK SOCK PLAN**

**ROCK SOCK JOINTING**

GRADATION TABLE	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
2"	100
1 1/2"	90 - 100
1"	20 - 55
3/4"	0 - 15
3/8"	0 - 5

**ROCK SOCK INSTALLATION NOTES**

1. SEE PLAN VIEW FOR LOCATION(S) OF ROCK SOCKS.
2. CRUSHED ROCK SHALL BE 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1/2" MINUS).
3. WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF 1/2", RECOMMENDED MINIMUM ROLL WIDTH OF 48"
4. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
5. SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLOSURE.

**RS-1. ROCK SOCK PERIMETER CONTROL**

**ROCK SOCK MAINTENANCE NOTES**

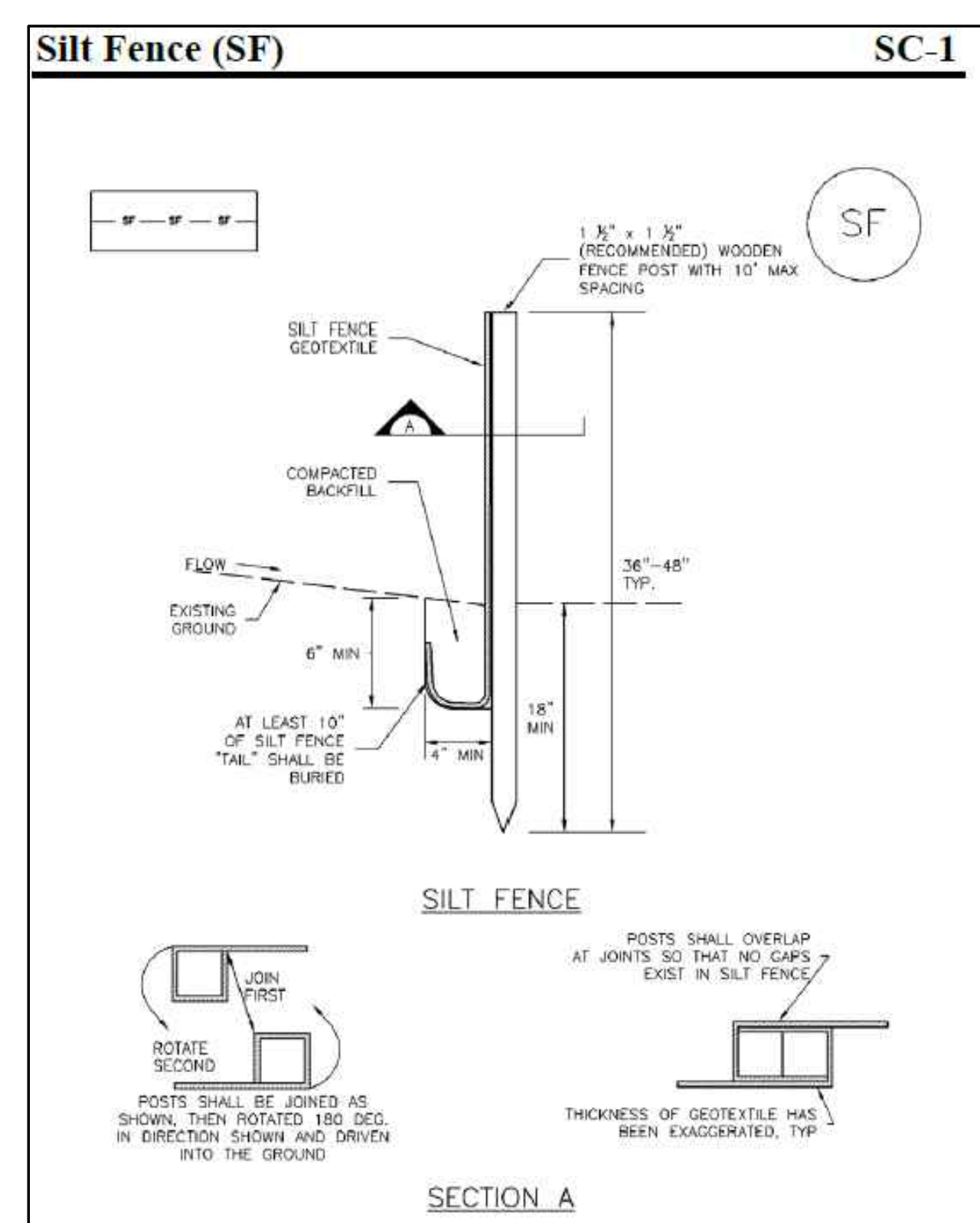
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
5. SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE ROCK SOCK.
6. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
7. WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF ROCK SOCK INSTALLATION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY OTHER SIMILAR PROPRIETARY PRODUCTS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY PROTECTION PRODUCTS; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

**3**  
D1|D1  
ROCK SOCK



**SILT FENCE**

**SECTION A**

**SILT FENCE INSTALLATION NOTES**

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE, NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

**SILT FENCE MAINTENANCE NOTES**

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

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

**4**  
D1|D1  
SILT FENCE

DESIGNED BY	DATE	PREPARED BY	DATE	REVISION DESCRIPTION
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LAR	02/03/23	MNU	02/03/23	95% CONSTRUCTION DOCUMENTS

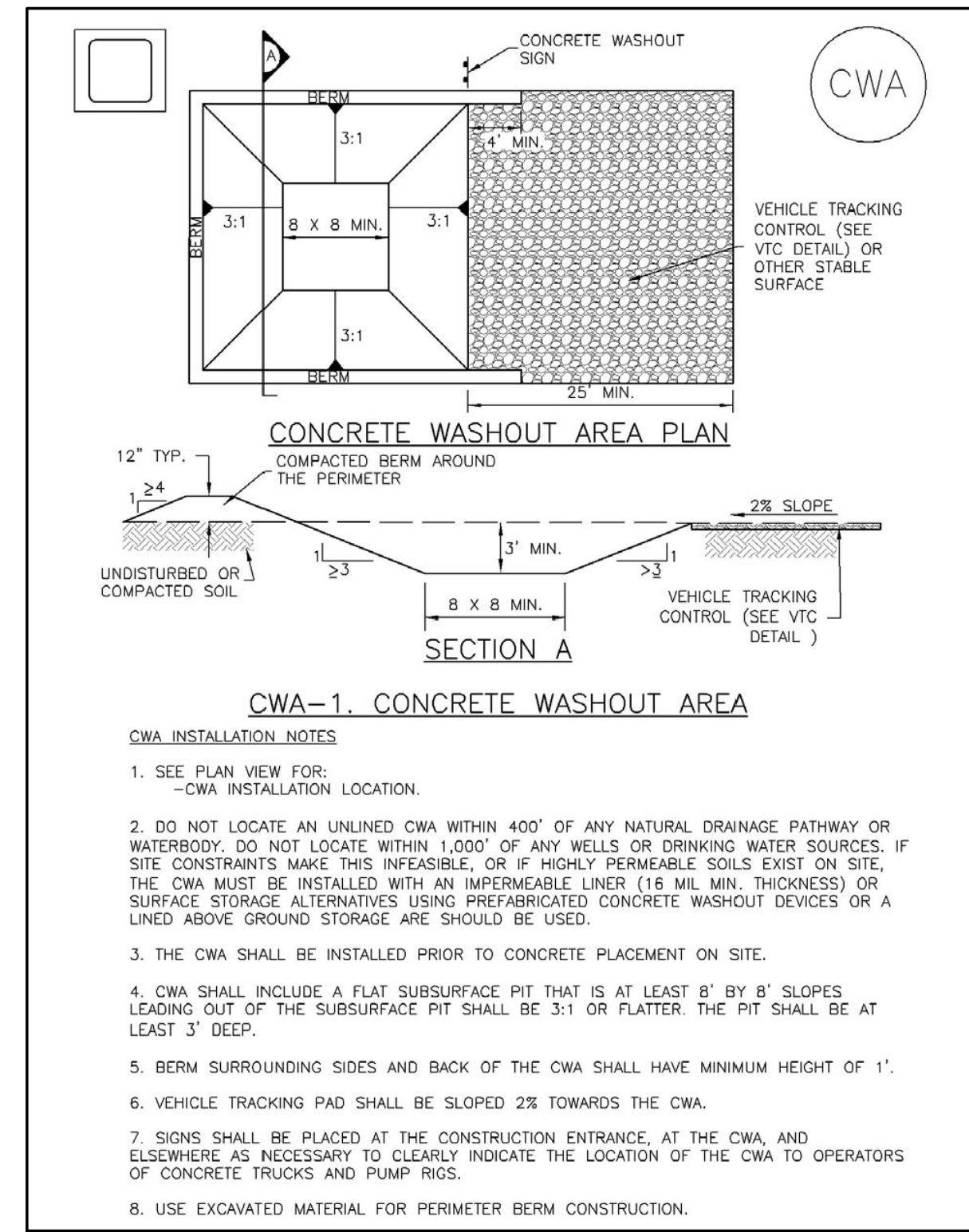
CITY OF THORNTON  
ADAMS COUNTY  
CHERRYWOOD PARK  
13807 MADISON STREET  
DETAILS 1  
THORNTON

PREPARED UNDER THE DIRECT SUPERVISION OF

**PRELIMINARY NOT FOR CONSTRUCTION**

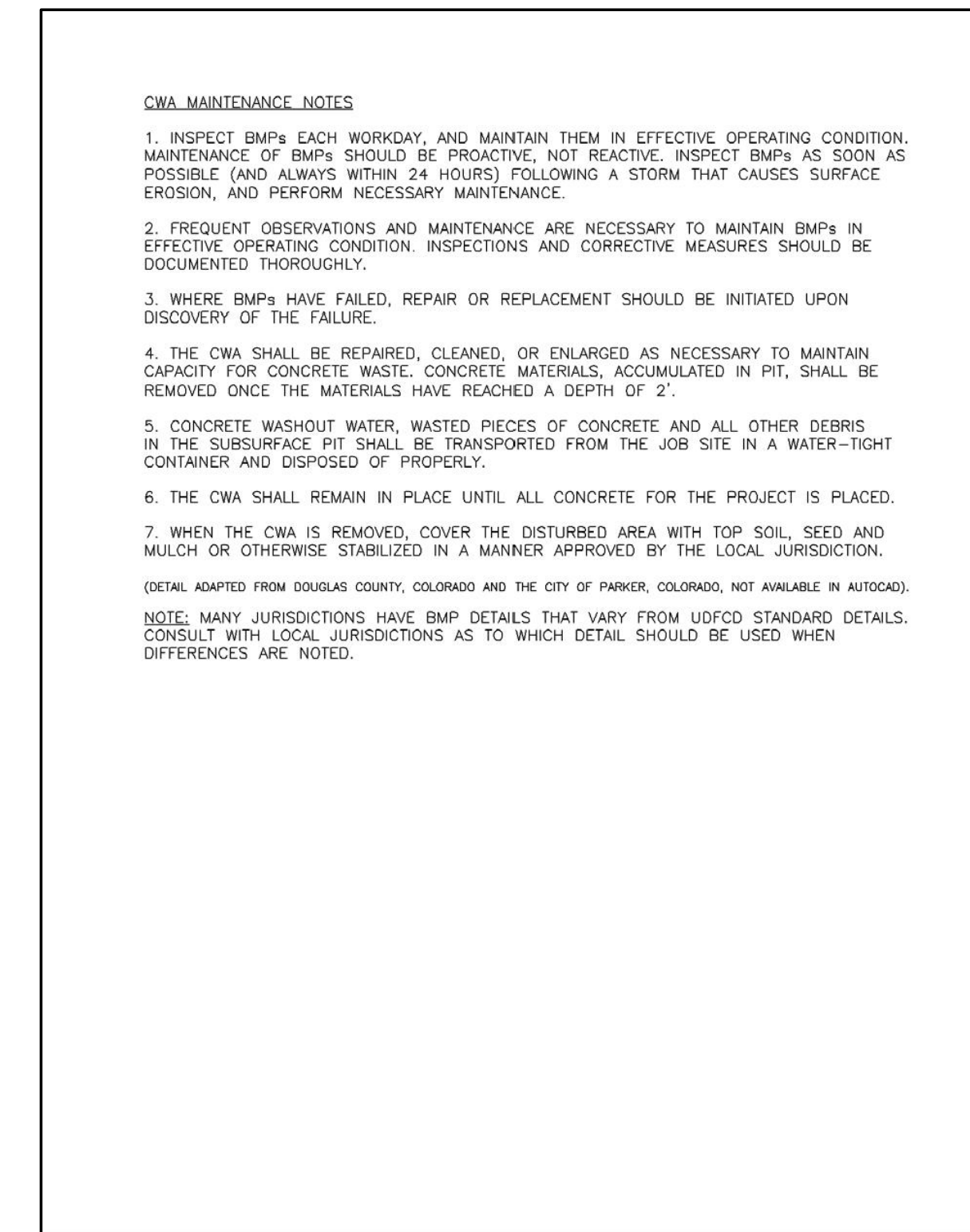
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	SURVEY DATE	09/21/22
	JOB NO.	C03590
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**Concrete Washout Area (CWA) MM-1**



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

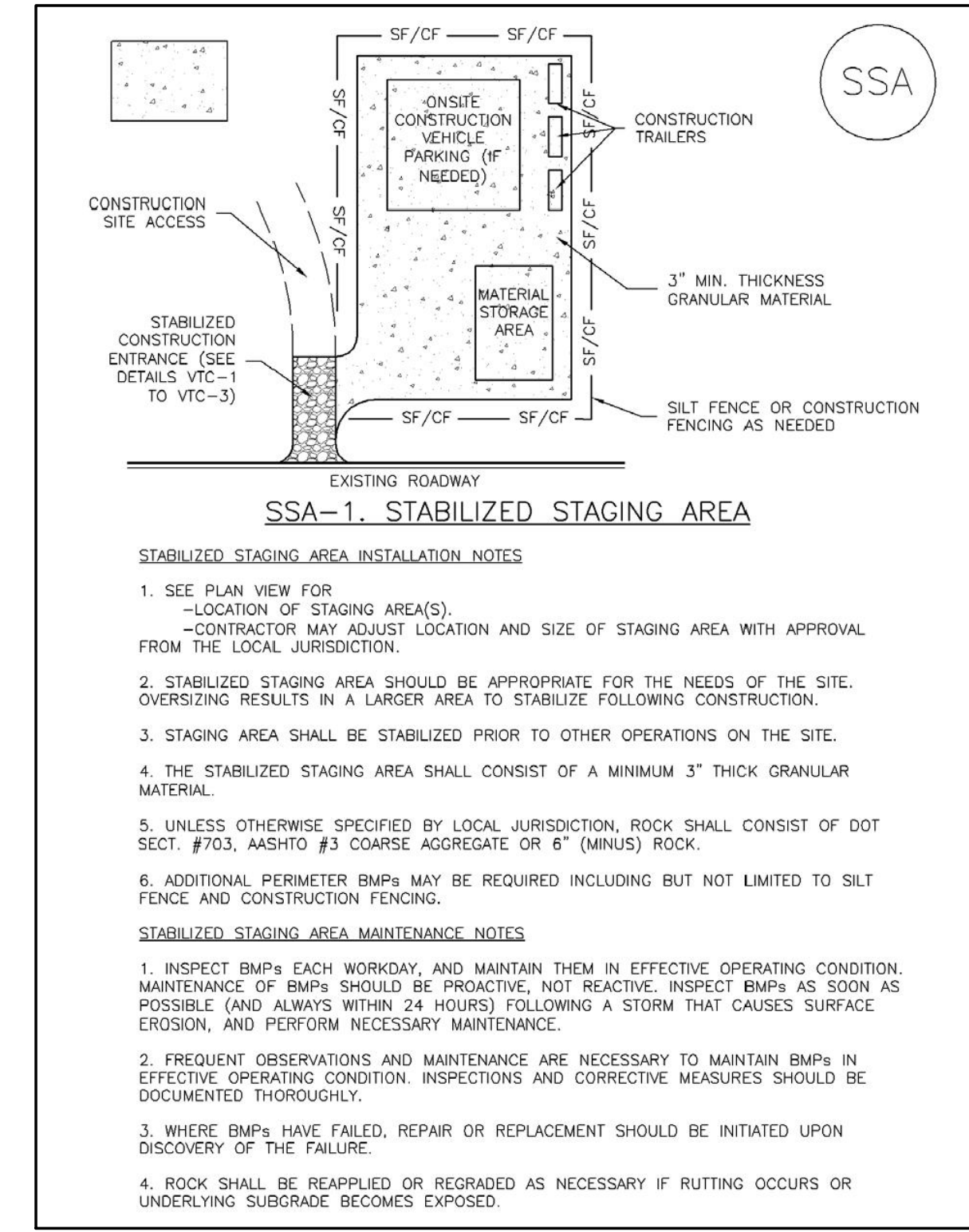
**MM-1 Concrete Washout Area (CWA)**



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

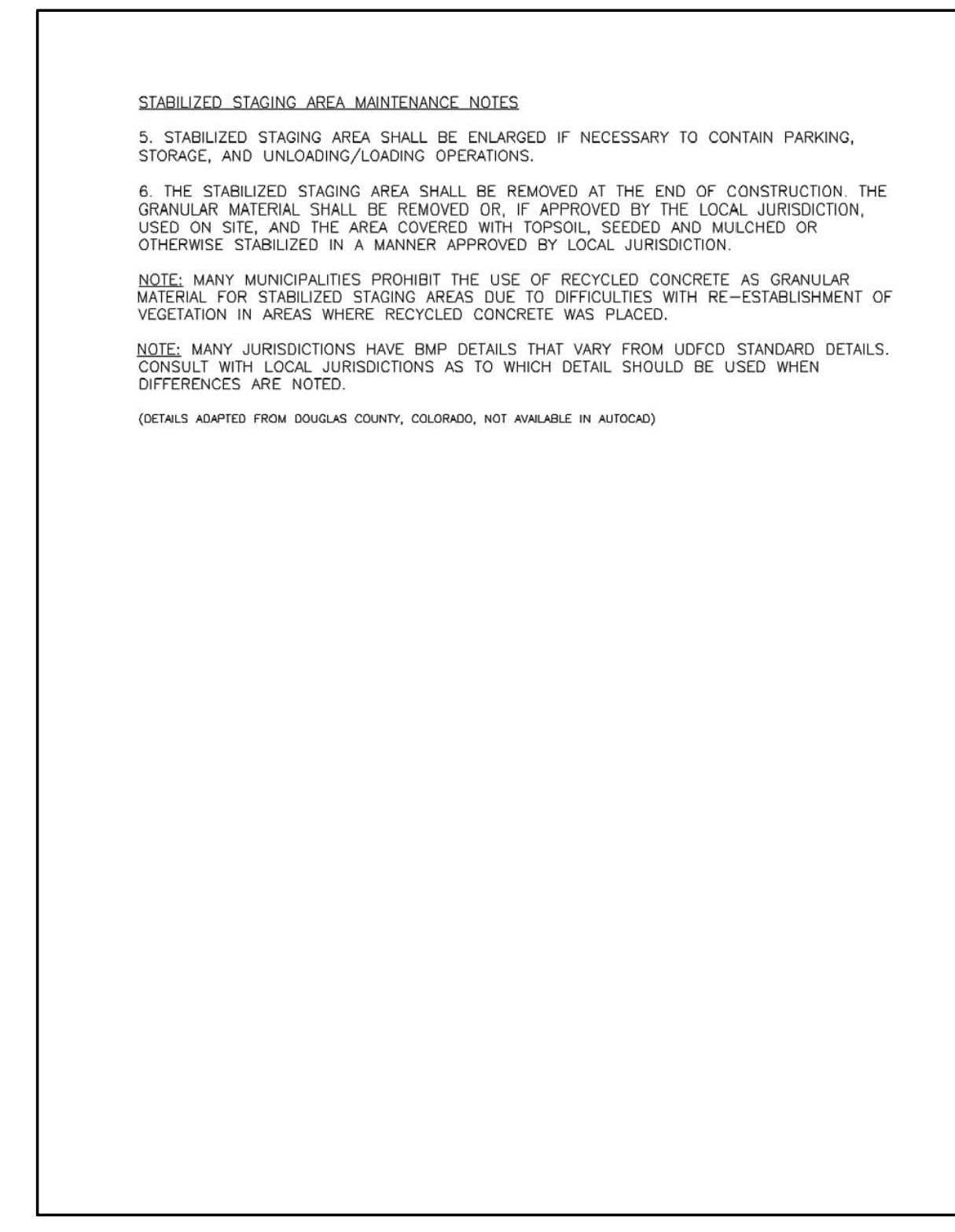
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D2 | D2 CONCRETE WASHOUT AREA

**Stabilized Staging Area (SSA) SM-6**



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

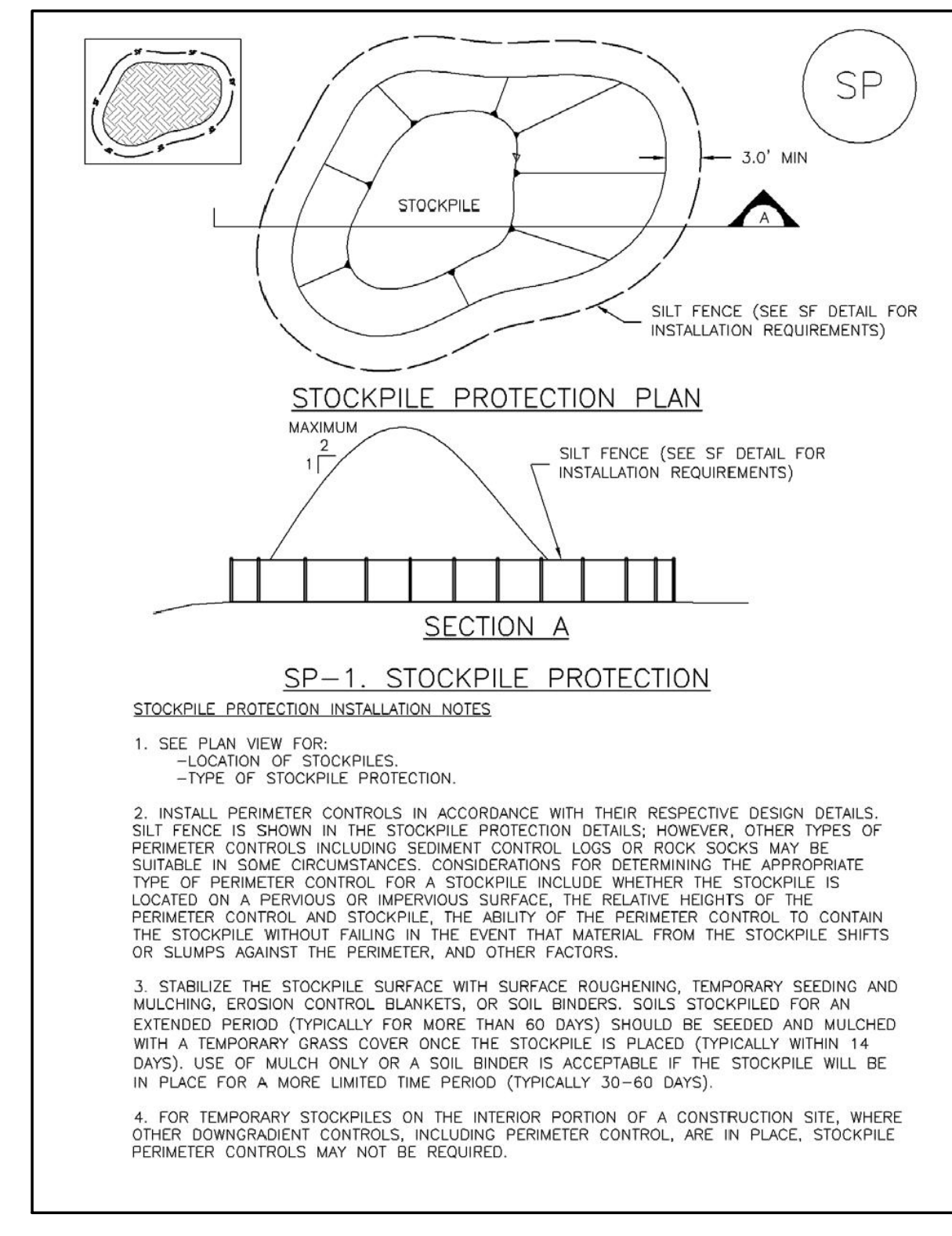
**SM-6 Stabilized Staging Area (SSA)**



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

2  
D2 | D2 STABILIZED STAGING AREA

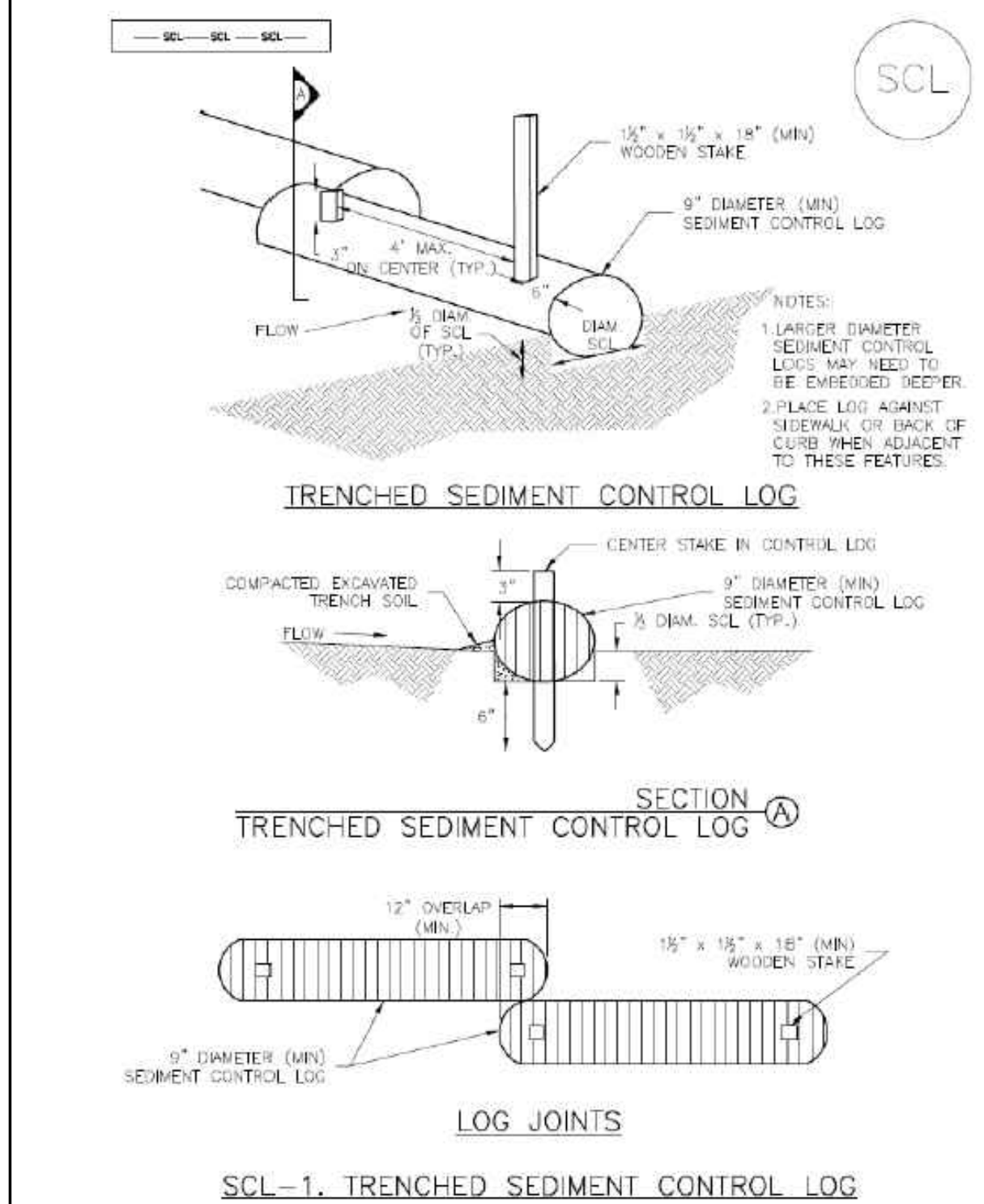
**Stockpile Management (SP) MM-2**



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

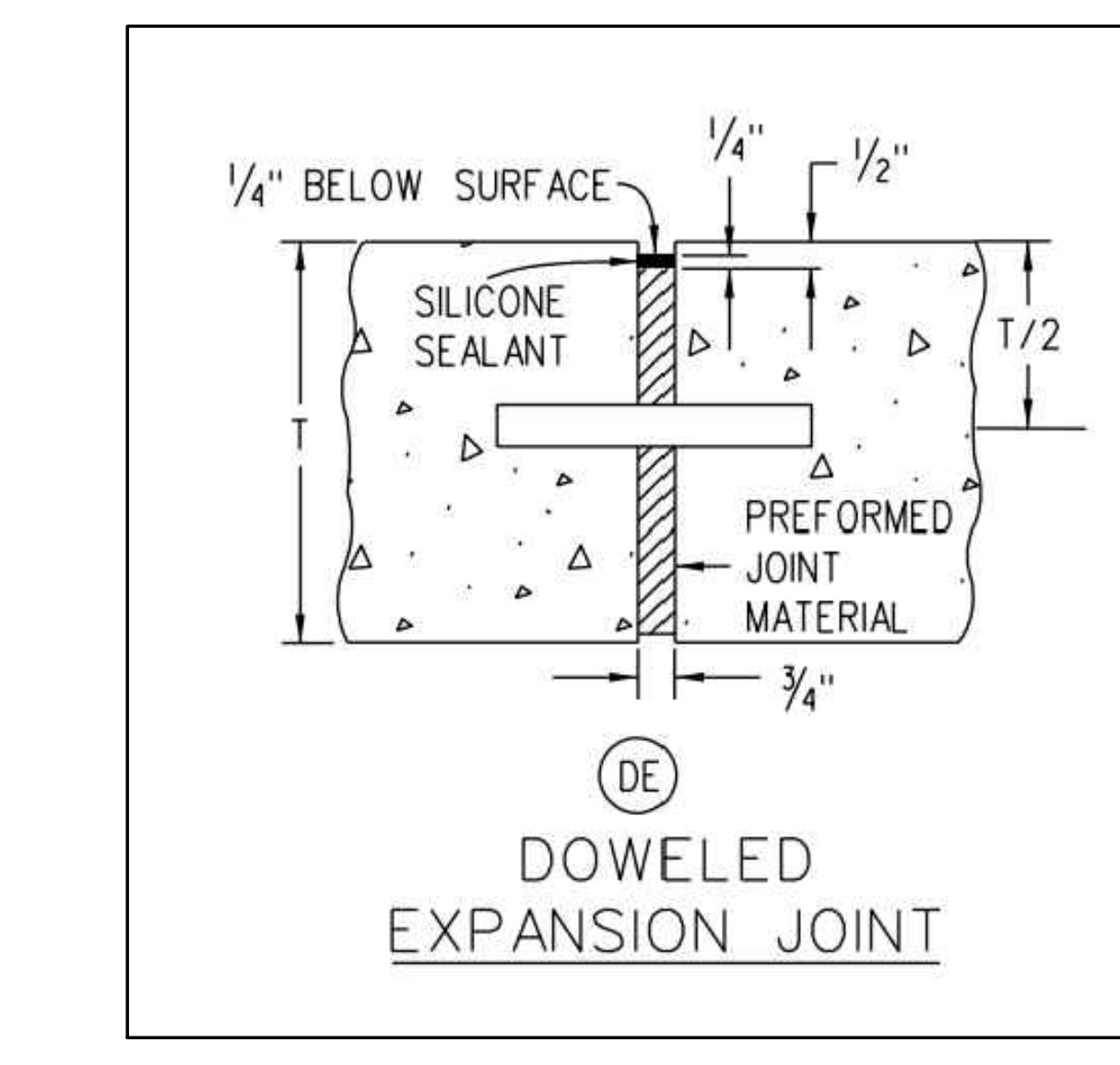
3  
D2 | D2 STOCKPILE

**Sediment Control Log (SCL) SC-2**



5  
D2 | D2 SEDIMENT CONTROL LOG

**DOWEL SPECIFICATIONS**  
1.25 INCH DIAMETER  
12" SPACING BETWEEN BARS

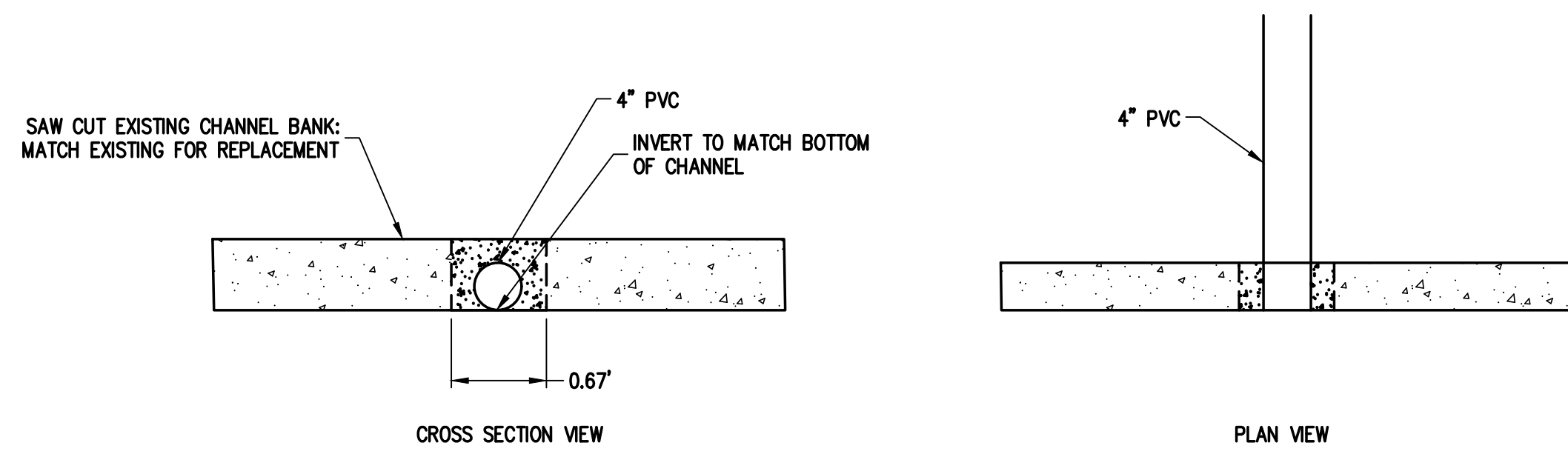


4  
D2 | D2 DOWEL JOINT

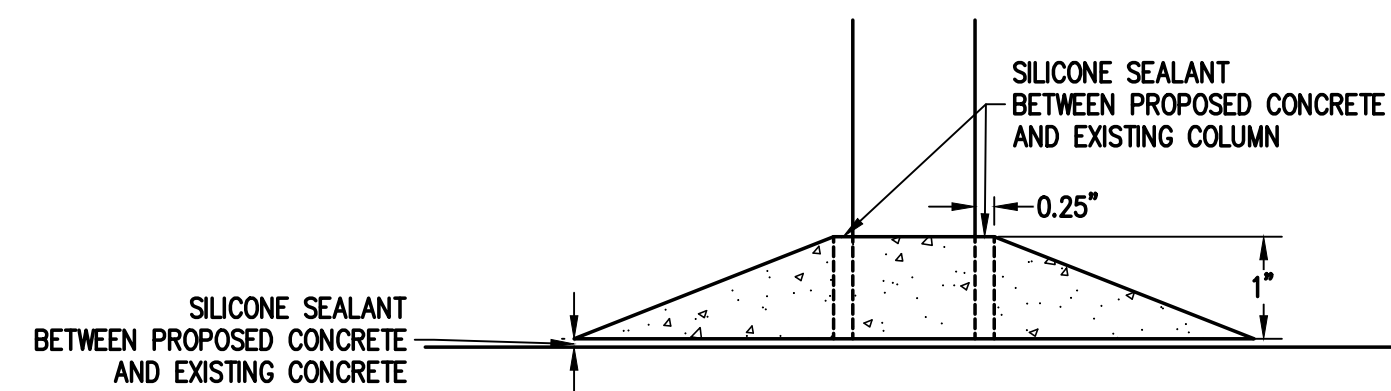
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95%	CONSTRUCTION DOCUMENTS	02/03/23	MNU		LAR
					LRM

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ADAMS COUNTY  
THORNTON  
CHERRYWOOD PARK  
13807 MADISON STREET  
DETAILS 2

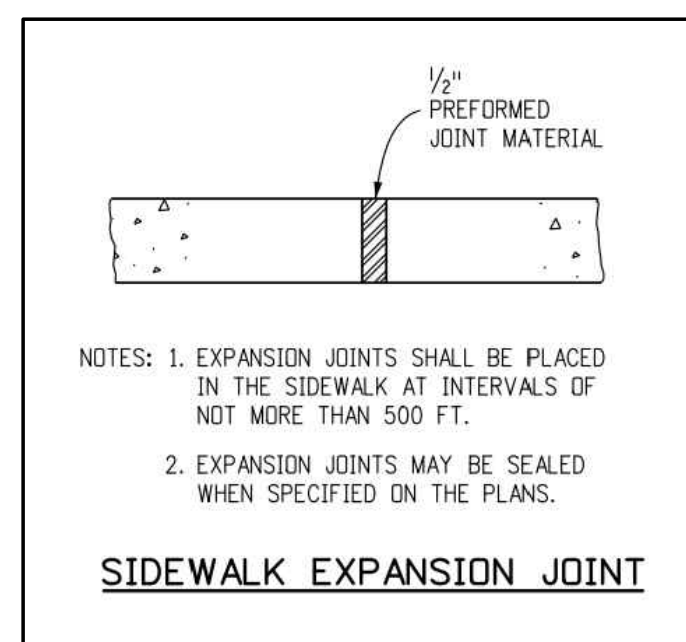
FOR AND ON BEHALF OF  
BASELINE CORPORATION  
PREPARED UNDER THE DIRECT SUPERVISION OF  
**PRELIMINARY NOT FOR CONSTRUCTION**  
JOB NO. C03590  
DRAWING NAME: 3590-14-15-DETAILS.dwg  
SHEET 14 OF 15  
D2



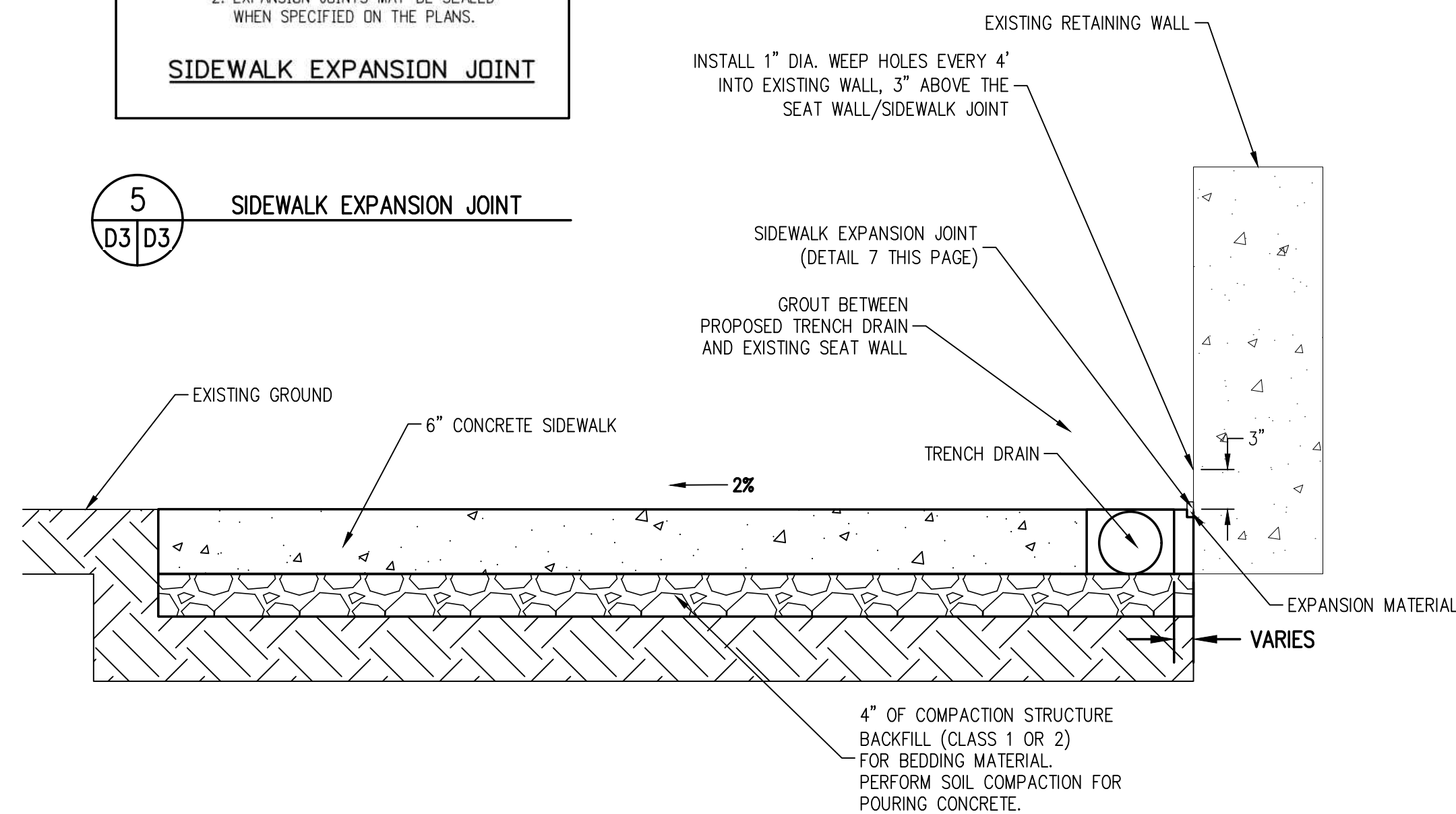
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D3 | D3



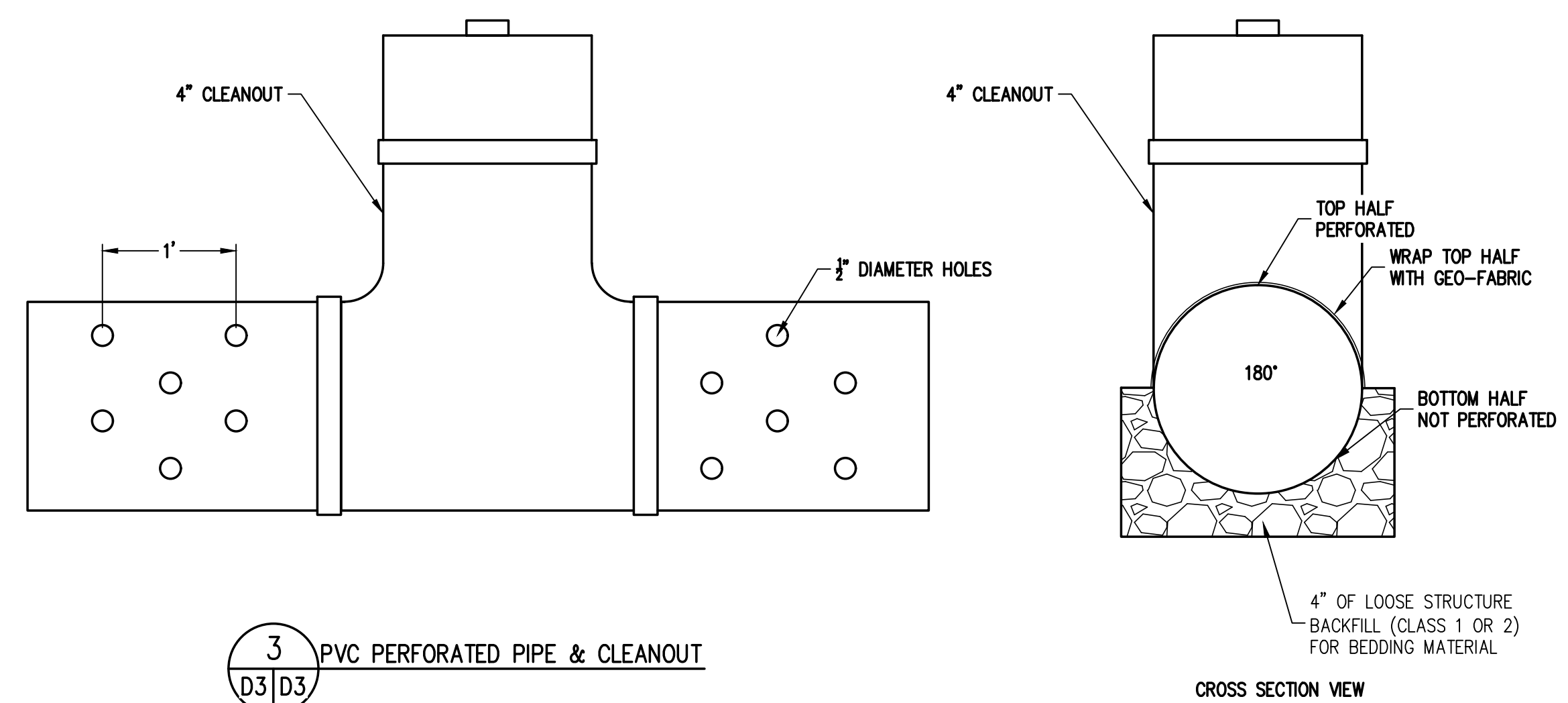
6 PAVILION COLUMN CONCRETE APRON  
D3 | D3



5 SIDEWALK EXPANSION JOINT  
D3 | D3



4 SIDEWALK TYPICAL SECTION  
D3 | D3



3 PVC PERFORATED PIPE & CLEANOUT  
D3 | D3

**DTPF6-MDC15ZJA 6" PRECAST TRENCH DRAIN R2**

**DETAILS - FRAME PROFILE**

2" FEMALE RECEIVING FLANGE ALLOWS FOR WATER TIGHT SEALING OF JOINTS

PLYWOOD TOP KEEPS TRENCH CLEAN DURING CONSTRUCTION

MEDIUM DUTY GALVANIZED STEEL FRAME

ULTRA SMOOTH PRECAST FIBER REINFORCED POLYMER CONCRETE TRENCH BODY

1 1/8" LONG X 1/4" Ø CONCRETE ANCHORS @ 18" O.C.

RIGID METAL INSTALLATION BRACKETS ACCEPT #4 REBAR

IDENTIFICATION LABEL WITH FLOW DIRECTION

NOTE: ALL TRENCHES ARE FACTORY ASSEMBLED AND READY FOR SITE INSTALLATION

**ISOMETRIC VIEW**

18" O.C.

13 1/16"

98"

96"

8 1/4"

INV. VARIES

SLOPE

**END VIEW**

TRENCH MATERIAL	FIBER REINFORCED POLYMER
FRAME MATERIAL	STEEL
FRAME COATING	GALVANIZED
ANCHOR STUDS	1 1/8" X 1/4" Ø
INSTALL DEVICE	RIGID STAMPED METAL FOR #4 BARS
LOAD RATING	MEDIUM DUTY
SLOPE	0.5% TYP (CUSTOM SLOPE AVAILABLE)

STANDARD TOLERANCES  
 0.000 = +0.025  
 0.000 = +0.025  
 0.000 = +0.13

**Dura Trench**  
 574c Industrial Way N.  
 Dallas, CA 30132  
 PH: 770-568-6375  
 www.trenchdrain.net

2 TRENCH DRAIN  
D3 | D3

DESIGNED BY	MINJ
DATE	12/16/22
PREPARED BY	MINJ
REVISION DESCRIPTION	60% CONSTRUCTION DOCUMENTS
DRAWN BY	LAR
DATE	02/03/23
CHECKED BY	LRM
REVISION DESCRIPTION	95% CONSTRUCTION DOCUMENTS

CITY OF THORNTON  
 THORNTON  
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 DETAILS 3

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 FOR AND ON BEHALF OF  
 BASELINE CORPORATION  
 INITIAL SUBMITTAL 12/16/22  
 DRAWING SIZE 22" X 34"  
 SURVEY FIRM SURVEY DATE  
 BASELINE 09/21/22  
 JOB NO. C03590  
 DRAWING NAME  
 3590 -14-15-DETAILS.dwg  
 SHEET 15 OF 15

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