

PARCEL NO. 140000593
CHARLES F. REED

PARCEL NO. 140000490
JAMES R. BLACK

PARCEL NO. 140000491
JAMES H. MCMASTER

PARCEL NO. 140900005
COLORADO INVESTMENT CO

PARCEL NO. 140900006
JAMES P. SONNLEITNER

PARCEL NO. 140900007
NICOLE BALDOCK

PARCEL NO. 140000592
TRI-STATE GENERATION & TRANSMISSION INC.

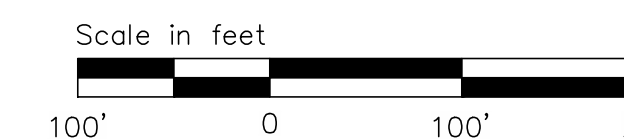
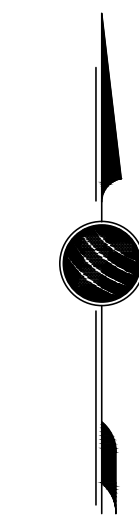
PARCEL NO. 140000593
CHARLES F. REED

LEGEND

- 5800 - EXISTING INDEX CONTOUR
- 5796 - EXISTING INTERMEDIATE CONTOUR
- oh - EXISTING OVERHEAD POWER LINE
- x - EXISTING FENCE

NOTE:

1. COORDINATE SYSTEM: Colorado State Plane Central Zone
SCALE FACTOR = 1.0003476302



CROSSPOINT SUBSTATION
230 KV
EXISTING CONDITIONS

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED
1100 W. 116th Ave.
P.O. Box 33890
Denver, Colorado 80233
303-452-6111

TRI-STATE
Generation and Transmission Association, Inc.
A Touchstone Energy Cooperative
1100 W. 116th Ave.
P.O. Box 33890
Denver, Colorado 80233
303-452-6111

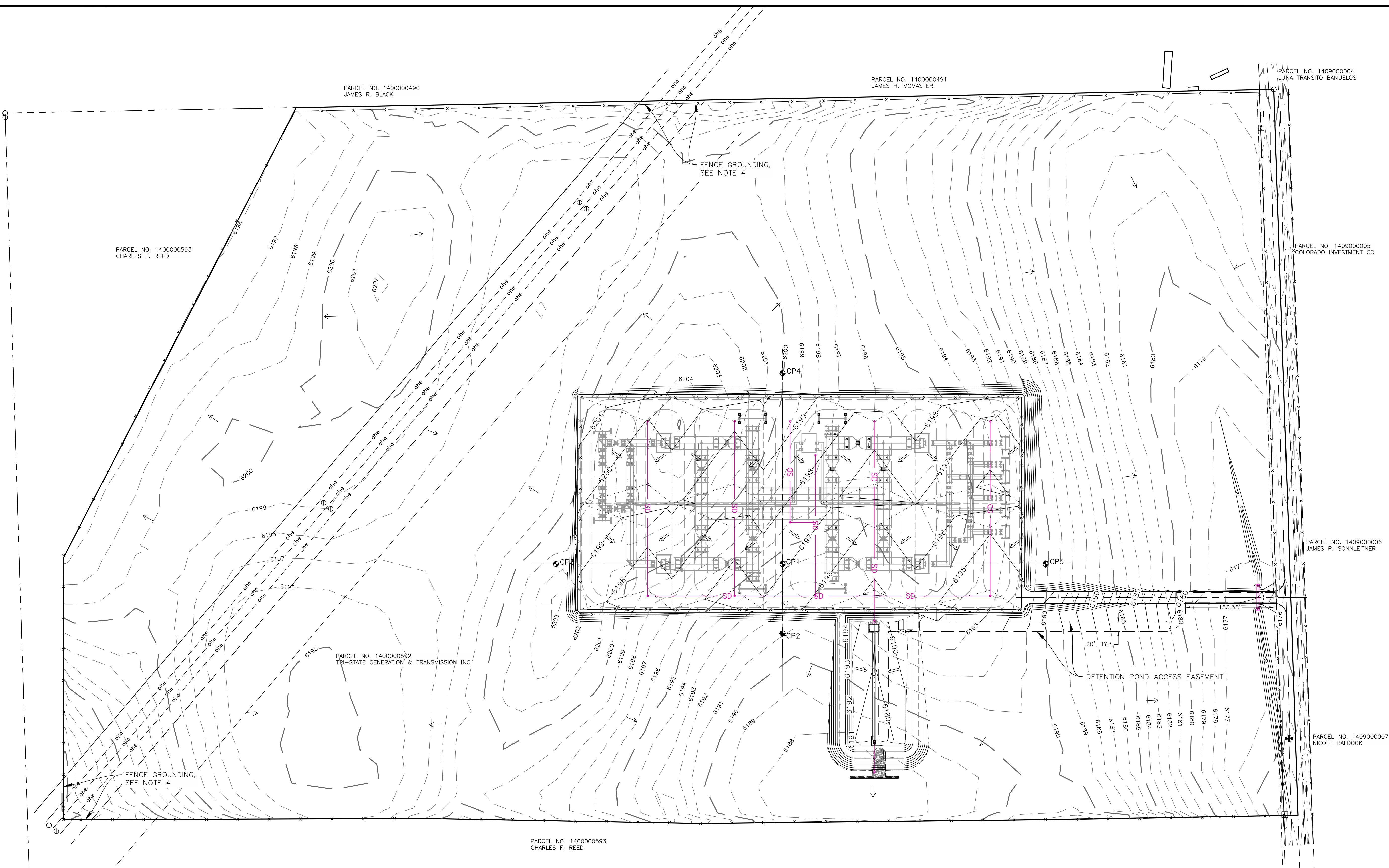
Dwn: TMC Date: 11/17/25
Appd: Date:

S1174-A-01-003

No.	Date	Dwn.	Appd.	Revision	M.F.
7					
6					
5					
4					
3	04/27/26	WL	DWS	REVISED PER EPC COMMENTS	
2	04/22/26	WL	DWS	ISSUED-FOR-BID SET	
1	03/10/26	DWS	DWS	REVISED PER EPC COMMENTS	

Dwg. No.	Mfr.	Reference Drawings

PATH: \\DMS1\Projects\Active\Projects\2023\23148-TSG Crosspoint Substation\Facility\Drawings\Sheet S1174-A-01-SHEETS.dwg



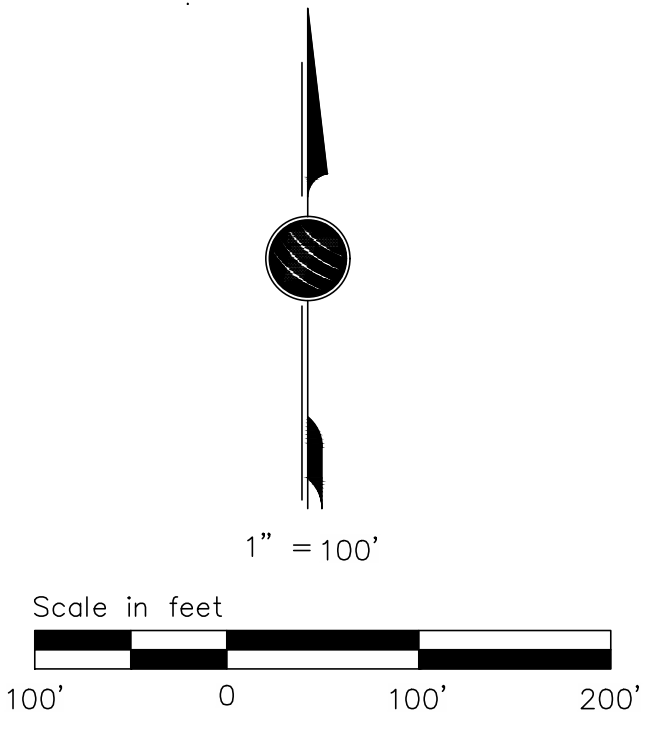
LEGEND

- 5800- EXISTING INDEX CONTOUR
- 5796- EXISTING INTERMEDIATE CONTOUR
- ohe EXISTING OVERHEAD POWER LINE
- x x x EXISTING FENCE
- BASELINE
- 5800- PROPOSED INDEX CONTOUR
- 5796- PROPOSED INTERMEDIATE CONTOUR
- SD PROPOSED SUBDRAIN
- - - - PROPOSED GRADE BRAKE LINE
- x x x PROPOSED SUBSTATION FENCE
- - - - PROPOSED DRAINAGE FLOWLINE
- ▒▒▒▒▒ PROPOSED RIPRAP
- PROPOSED SUBDRAIN CLEANOUT

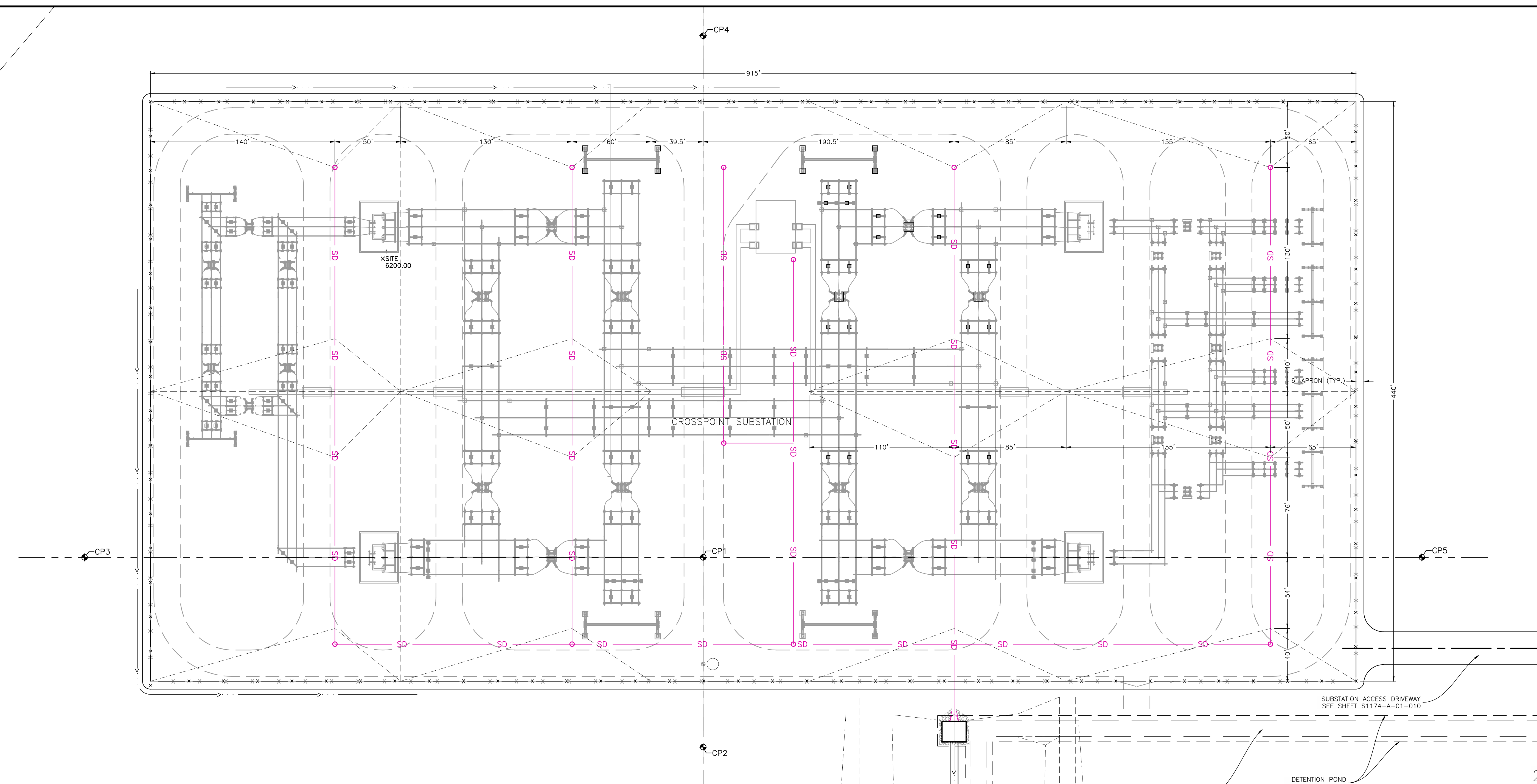
NOTE:

1. THE HORIZONTAL LOCATION FOR THE CONTROL POINT AT THE INTERSECTION OF THE TWO BASELINES IS FIXED. LOCATIONS FOR OTHER CONTROL POINTS MAY BE ADJUSTED ALONG THE BASELINE AS NECESSARY TO PROVIDE FOR CLEAR LINES OF SIGHT AROUND EXISTING VEGETATION TO REMAIN.
2. SURVEYOR SHALL SET THE CONTROL POINTS OUTSIDE THE SUBSTATION SECURITY FENCE IN-THE-FIELD, AND REPORT THE COORDINATES AND ELEVATIONS TO THE OWNER'S AUTHORIZED TECHNICAL REPRESENTATIVE (OATR).
3. COORDINATE SYSTEM: COLORADO STATE PLANE CENTRAL ZONE SCALE FACTOR = 1.0003476302
4. GROUND PROPERTY FENCE 20' FROM OUTER OVERHEAD TRANSMISSION LINES, (2) LOCATIONS.

Control Point Table			
Point #	Northing	Easting	Raw Description
5001	1370951.62	3358778.72	CP1
5002	1370807.62	3358778.72	CP2
5003	1370951.62	3358309.22	CP3
5004	1371347.62	3358778.72	CP4
5005	1370951.62	3359324.22	CP5



CROSSPOINT SUBSTATION 230 KV OVERALL SITE																																													
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED																																													
1100 W. 116th Ave. P.O. Box 33890 Denver, Colorado 80233 303-452-6111																																													
UPDATED BY: WLDGATE 4/23/2028 3:33 PM Contract: . PATH: \\DMS1\Projects\Active\Projects\2023\23148-1557_Crosspoint_Substation\Facility\Civil\Sheets\1174-A-01-SHEETS.dwg																																													
Dwn: TMC	Date: 11/17/25																																												
Appd: _____	Date: _____																																												
S1174-A-01-004																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Date</th> <th>Dwn.</th> <th>Appd.</th> <th>Revision</th> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>04/21/26</td> <td>WL</td> <td>DWS</td> <td>REVISED PER EPC COMMENTS</td> </tr> <tr> <td>3</td> <td>04/22/26</td> <td>WL</td> <td>DWS</td> <td>ISSUED-FOR-BID SET</td> </tr> <tr> <td>2</td> <td>03/19/26</td> <td>WL</td> <td>DWS</td> <td>REVISED PER EPC COMMENTS</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	No.	Date	Dwn.	Appd.	Revision	7					6					5					4	04/21/26	WL	DWS	REVISED PER EPC COMMENTS	3	04/22/26	WL	DWS	ISSUED-FOR-BID SET	2	03/19/26	WL	DWS	REVISED PER EPC COMMENTS	1					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Mfr.</td> <td style="width: 50%;">Drawing Title</td> </tr> <tr> <td style="width: 50%;">Dwg. No.</td> <td style="width: 50%;">Reference Drawings</td> </tr> </table>	Mfr.	Drawing Title	Dwg. No.	Reference Drawings
No.	Date	Dwn.	Appd.	Revision																																									
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6																																													
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1																																													
Mfr.	Drawing Title																																												
Dwg. No.	Reference Drawings																																												



*SEE S1174-A-01-019 FOR SCHEMATIC DRAINAGE MODEL PLAN

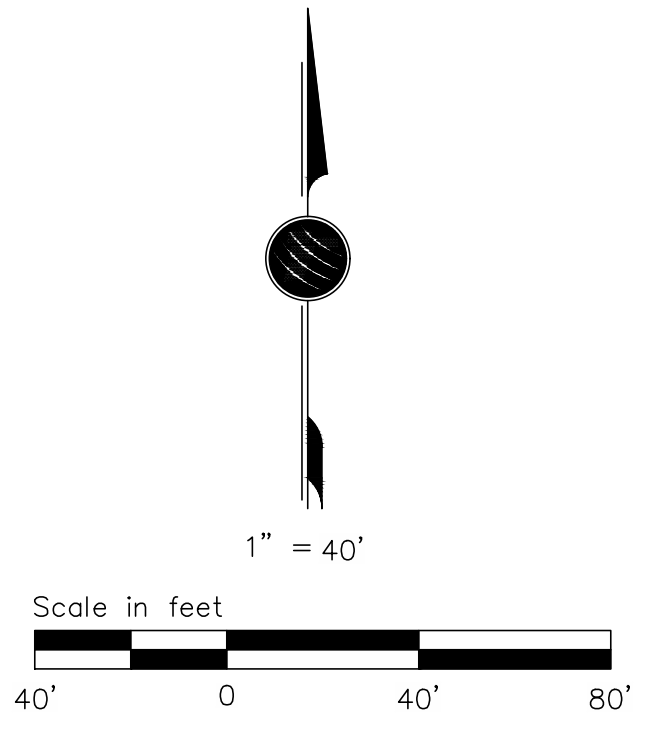
LEGEND

	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING OVERHEAD POWER LINE
	EXISTING FENCE
	BASELINE
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED SUBDRAIN
	PROPOSED GRADE BRAKE LINE
	PROPOSED SUBSTATION FENCE
	PROPOSED DRAINAGE FLOWLINE
	PROPOSED RIPRAP
	PROPOSED SUBDRAIN CLEANOUT

- NOTE:**
1. THE HORIZONTAL LOCATION FOR THE CONTROL POINT AT THE INTERSECTION OF THE TWO BASELINES IS FIXED. LOCATIONS FOR OTHER CONTROL POINTS MAY BE ADJUSTED ALONG THE BASELINE AS NECESSARY TO PROVIDE FOR CLEAR LINES OF SIGHT AROUND EXISTING VEGETATION TO REMAIN.
 2. SURVEYOR SHALL SET THE CONTROL POINTS OUTSIDE THE SUBSTATION SECURITY FENCE IN-THE-FIELD, AND REPORT THE COORDINATES AND ELEVATIONS TO THE OWNER'S AUTHORIZED TECHNICAL REPRESENTATIVE (OATR).
 3. COORDINATE SYSTEM: COLORADO STATE PLANE CENTRAL ZONE
SCALE FACTOR = 1.0003476302
 4. SEE S1174-A-01-019 FOR SCHEMATIC DRAINAGE MODEL PLAN

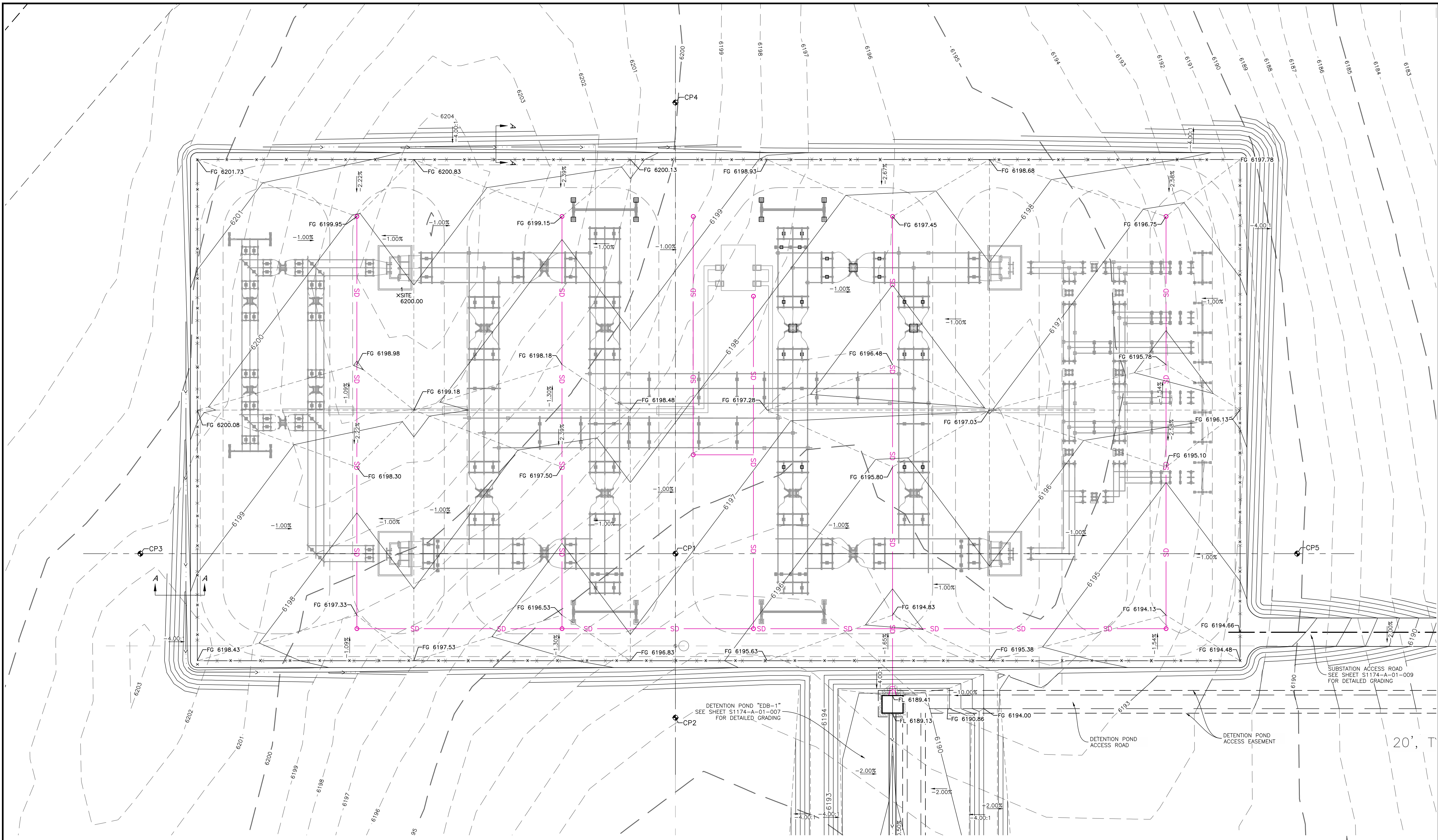
Control Point Table

Point #	Northing	Easting	Raw Description
5001	1370951.62	3358778.72	CP1
5002	1370807.62	3358778.72	CP2
5003	1370951.62	3358309.22	CP3
5004	1371347.62	3358778.72	CP4
5005	1370951.62	3359324.22	CP5



CROSSPOINT SUBSTATION 230 KV SITE LAYOUT		TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED 1100 W. 116th Ave. P.O. Box 33895 Denver, Colorado 80233 303-452-6111			
		UPDATED BY: WJUDGE 4/23/2028 3:33 PM Contract: _____ PATH: \\DMS1\Projects\Active\Projects\2023\23148-1527_Crosspoint_Substation\Facility\Civil\Sheets\S1174-A-01-SHEETS.dwg			
No.	Date	Dwn.	Appd.	Revision	M.F.
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6					
5					
4	04/21/26	WL	DWS	REVISED PER EPC COMMENTS	
3	04/21/26	WL	DWS	ISSUED-FOR-BID SET	
2	04/22/26	WL	DWS	REVISED PER EPC COMMENTS	
1	03/19/26	DWS			
				Mgr.	Drawing Title
				Dwg. No.	Reference Drawings

S1174-A-01-005



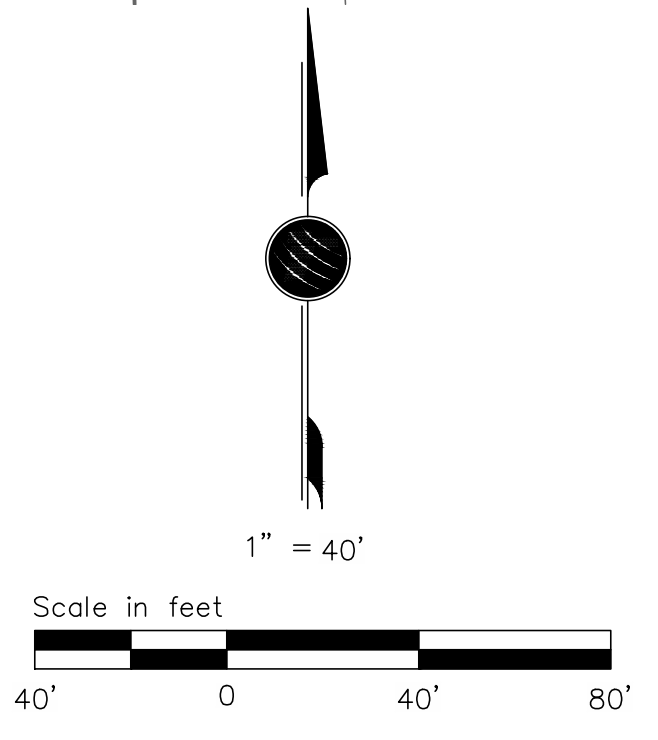
LEGEND

- 5800 - EXISTING INDEX CONTOUR
- 5796 - EXISTING INTERMEDIATE CONTOUR
- ohc - EXISTING OVERHEAD POWER LINE
- x x x - EXISTING FENCE
- BASELINE
- 5800 - PROPOSED INDEX CONTOUR
- 5796 - PROPOSED INTERMEDIATE CONTOUR
- SD - PROPOSED SUBDRAIN
- - - - PROPOSED GRADE BRAKE LINE
- x x x - PROPOSED SUBSTATION FENCE
- > PROPOSED DRAINAGE FLOWLINE
- [Pattern] PROPOSED RIPRAP
- PROPOSED SUBDRAIN CLEANOUT

NOTE:

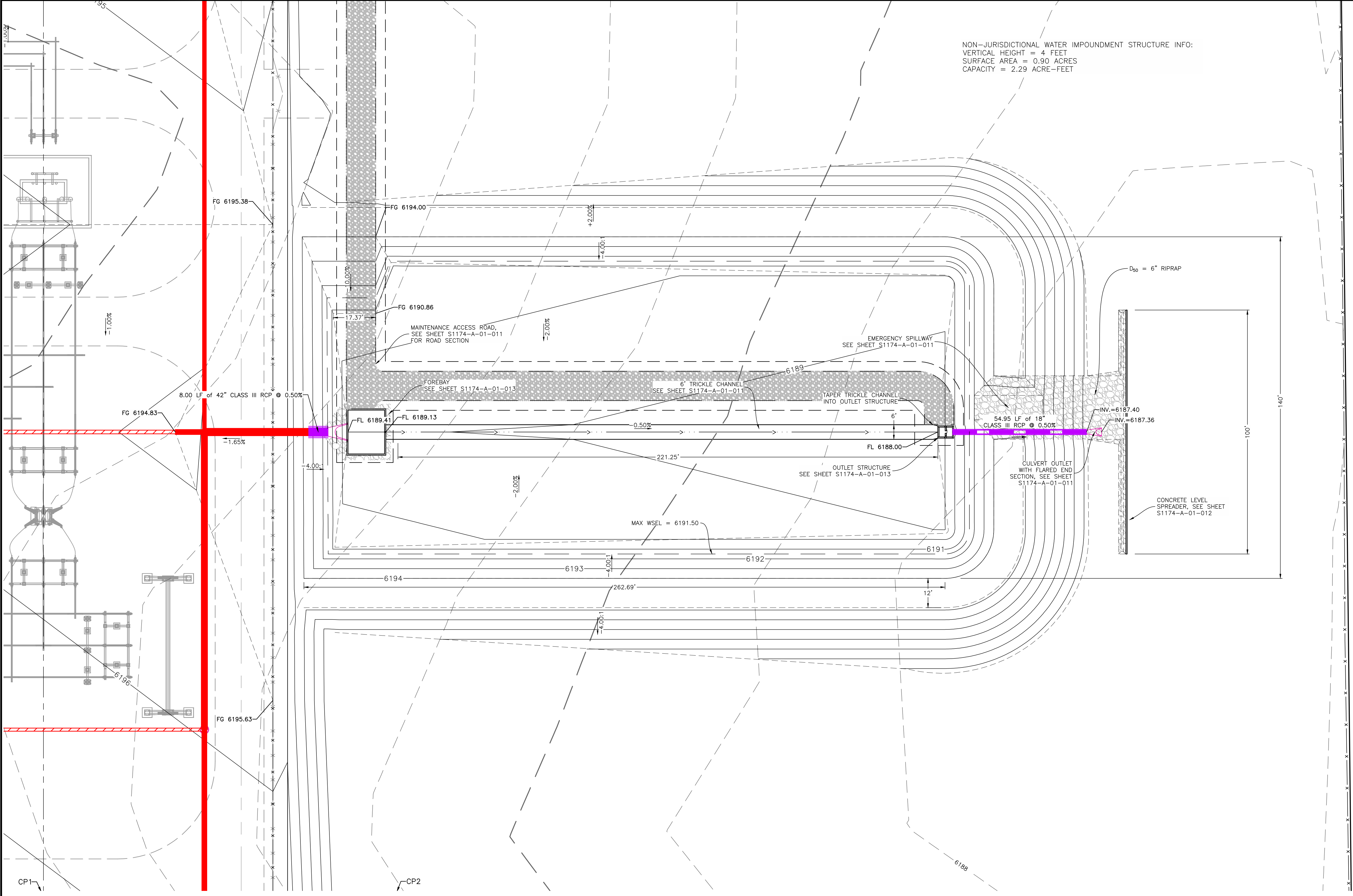
1. THE HORIZONTAL LOCATION FOR THE CONTROL POINT AT THE INTERSECTION OF THE TWO BASELINES IS FIXED. LOCATIONS FOR OTHER CONTROL POINTS MAY BE ADJUSTED ALONG THE BASELINE AS NECESSARY TO PROVIDE FOR CLEAR LINES OF SIGHT AROUND EXISTING VEGETATION TO REMAIN.
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3. COORDINATE SYSTEM: COLORADO STATE PLANE CENTRAL ZONE
SCALE FACTOR = 1.0003476302

Control Point Table			
Point #	Northing	Easting	Raw Description
5001	1370951.62	3358778.72	CP1
5002	1370807.62	3358778.72	CP2
5003	1370951.62	3358309.22	CP3
5004	1371347.62	3358778.72	CP4
5005	1370951.62	3359324.22	CP5



CROSSPOINT SUBSTATION 230 KV GRADING PLAN	
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED	
1100 W. 116th Ave. P.O. Box 33890 Denver, Colorado 80233 303-452-6111	
Dwn: TMC Date: 11/17/25 Appd: Date:	
7 6 5 4 3 2 1	No. Date Dwn. Appd. Date 7 6 5 4 3 2 1
REVISIONS 3 04/21/26 WL DWS REVISED PER EPC COMMENTS 2 04/22/26 WL DWS ISSUED-FOR-BID SET 1 03/19/26 DWS REVISED PER EPC COMMENTS	Revision M.F. M.F. M.F. M.F. M.F. M.F. M.F.
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NON-JURISDICTIONAL WATER IMPOUNDMENT STRUCTURE INFO:
 VERTICAL HEIGHT = 4 FEET
 SURFACE AREA = 0.90 ACRES
 CAPACITY = 2.29 ACRE-Feet

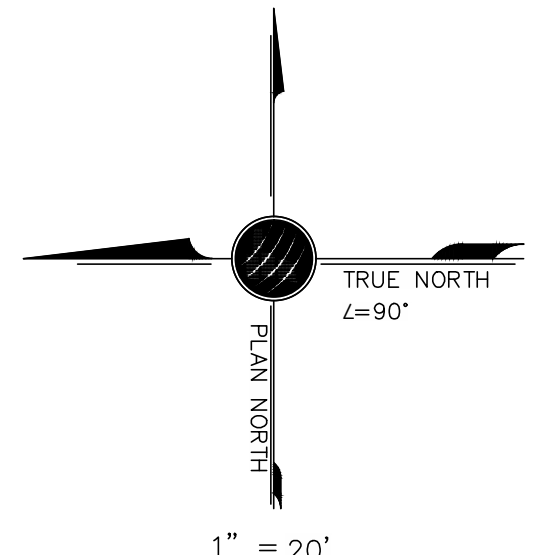


LEGEND

- 5800- - EXISTING INDEX CONTOUR
- 5796- - EXISTING INTERMEDIATE CONTOUR
- ohe - - EXISTING OVERHEAD POWER LINE
- x x x - - EXISTING FENCE
- BASELINE
- 5800- - PROPOSED INDEX CONTOUR
- 5796- - PROPOSED INTERMEDIATE CONTOUR
- PROPOSED ADS N-12 PERF SUB-DRAIN PIPE
- PROPOSED ADS N-12 SUB-DRAIN PIPE
- PROPOSED RCP CULVERT
- PROPOSED GRADE BRAKE LINE
- x x x - - PROPOSED SUBSTATION FENCE
- PROPOSED DRAINAGE FLOWLINE
- PROPOSED RIPRAP
- o - - PROPOSED SUBDRAIN CLEANOUT

NOTE:

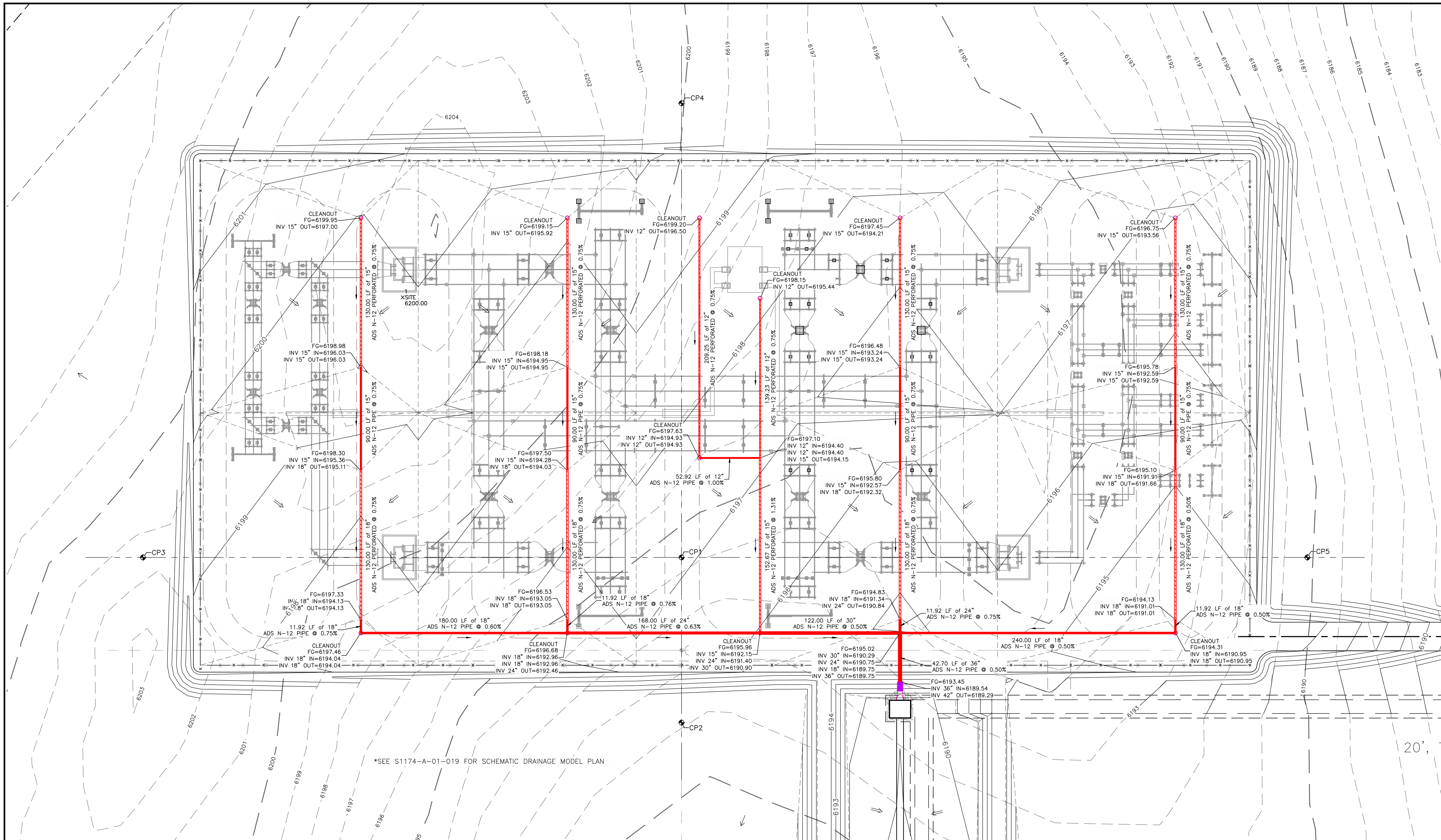
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3. COORDINATE SYSTEM: COLORADO STATE PLANE CENTRAL ZONE
SCALE FACTOR = 1.0003476302



CROSSPOINT SUBSTATION	
230 KV DETENTION POND (EDB-1) GRADING	
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED	
1100 W. 116th AVE. P.O. Box 33890 Denver, Colorado 80233 303-452-6111	
UPDATED BY: WJUDGE 4/23/2028 3:33 PM Contract: . . .	
Dwn: TMC	Date: 11/17/25
Appd: .	Date: .
S1174-A-01-007	

No.	Date	Dwn.	Appd.	Revision
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6				
5				
4				
3	04/21/26	WL	DWS	REVISED PER EPC COMMENTS
2	04/22/26	WL	DWS	ISSUED-FOR-BID SET
1	03/10/26	WL	DWS	REVISED PER EPC COMMENTS

	M.F.
Dwg. No.	Mfr.
Reference Drawings	Drawing Title



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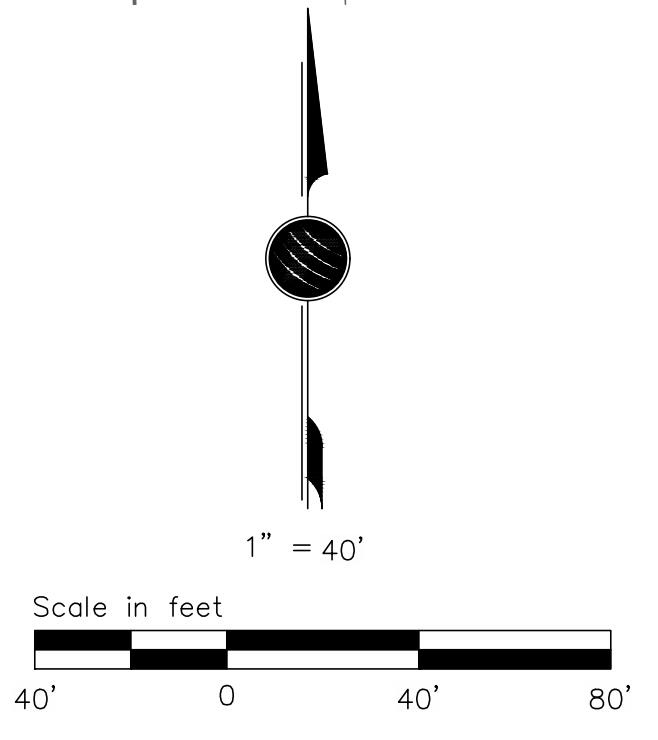
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- 5796- EXISTING INTERMEDIATE CONTOUR
- oho EXISTING OVERHEAD POWER LINE
- x x x EXISTING FENCE
- BASELINE
- 5800- PROPOSED INDEX CONTOUR
- 5796- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED ADS N-12 PERF SUB-DRAIN PIPE
- PROPOSED ADS N-12 SUB-DRAIN PIPE
- PROPOSED GRADE BRAKE LINE
- x x x PROPOSED SUBSTATION FENCE
- PROPOSED DRAINAGE FLOWLINE
- o PROPOSED SUBDRAIN CLEANOUT

*SEE S1174-A-01-019 FOR SCHEMATIC DRAINAGE MODEL PLAN

NOTE:

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SCALE FACTOR = 1.0003476302

Control Point Table			
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5002	1370807.62	3358778.72	CP2
5003	1370951.62	3358309.22	CP3
5004	1371347.62	3358778.72	CP4
5005	1370951.62	3359324.22	CP5



CROSSPOINT SUBSTATION
SUBDRAIN PLAN

230 KV
SUBDRAIN PLAN

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

100 W. 116th Ave.
P.O. Box 33890
Denver, Colorado 80233
303-452-6111

DATE: 11/17/25

APPD: _____

DATE: 11/17/25

APPD: _____

NO. 7

DATE 04/21/26

DESCRIPTION ISSUED-FOR-BID SET

NO. 6

DATE 04/22/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 5

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 4

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 3

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 2

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 1

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 0

DATE 03/19/26

DESCRIPTION REVISED PER EPC COMMENTS

NO. 0

DATE 03/19/26

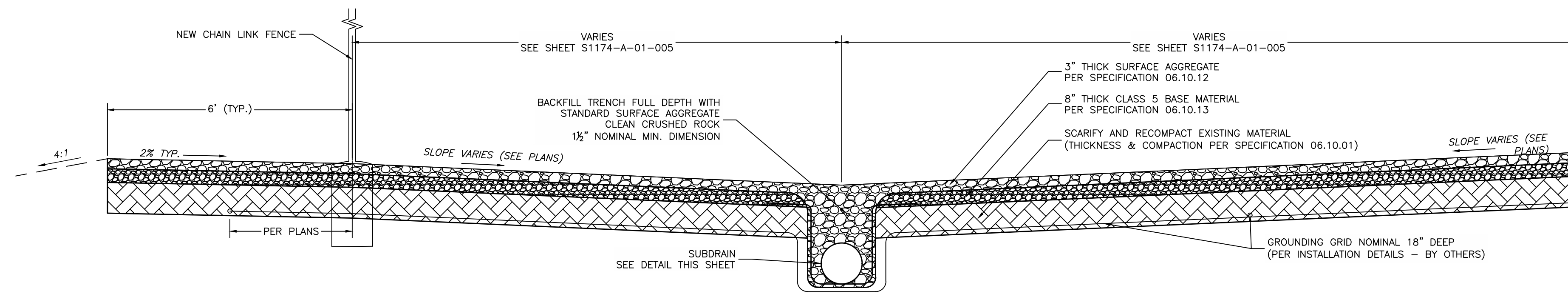
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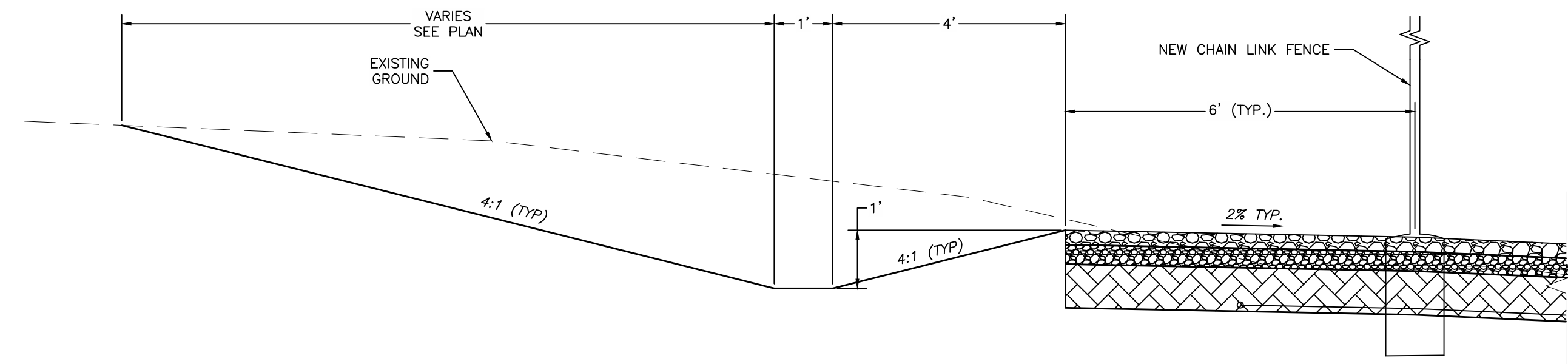
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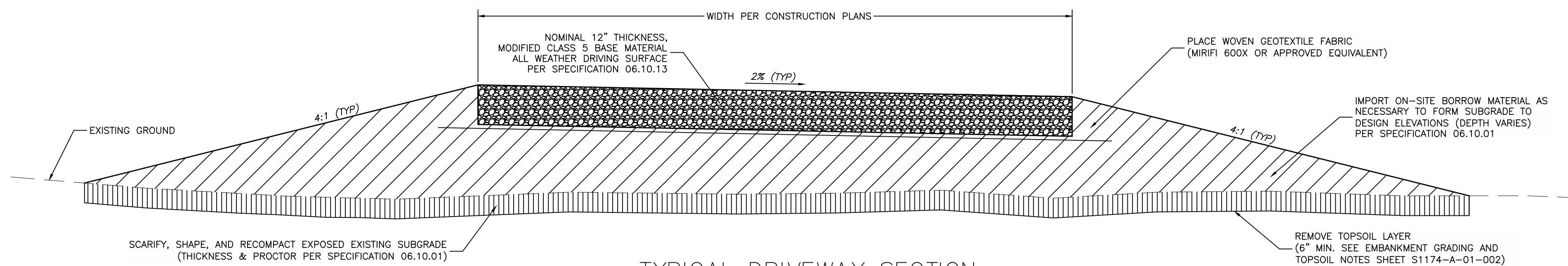
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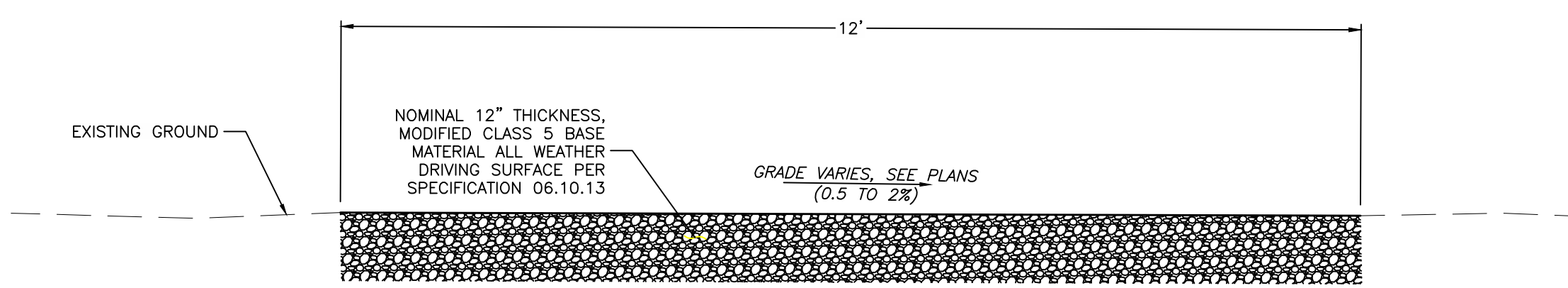
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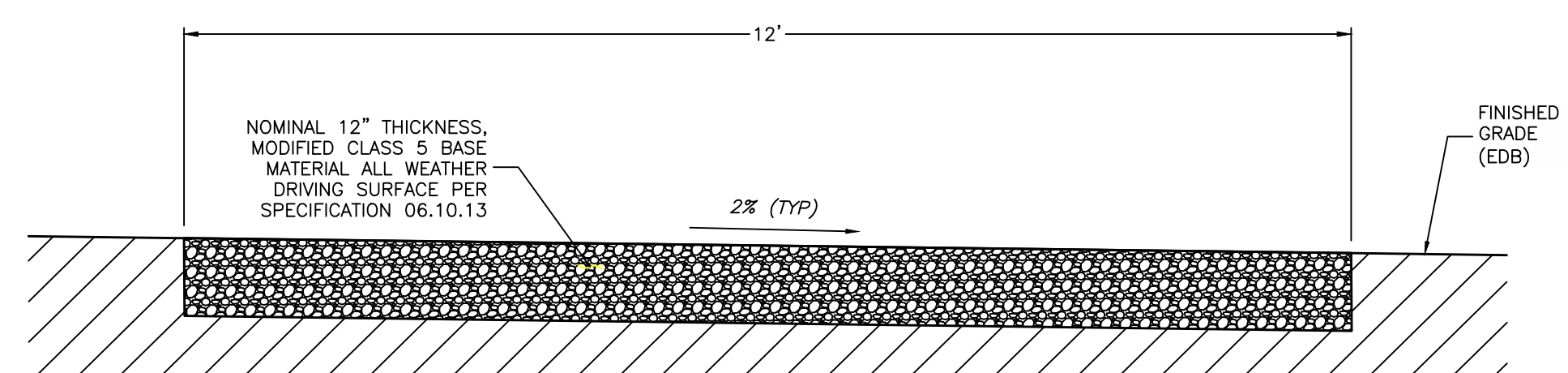
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TYPICAL DRIVEWAY SECTION
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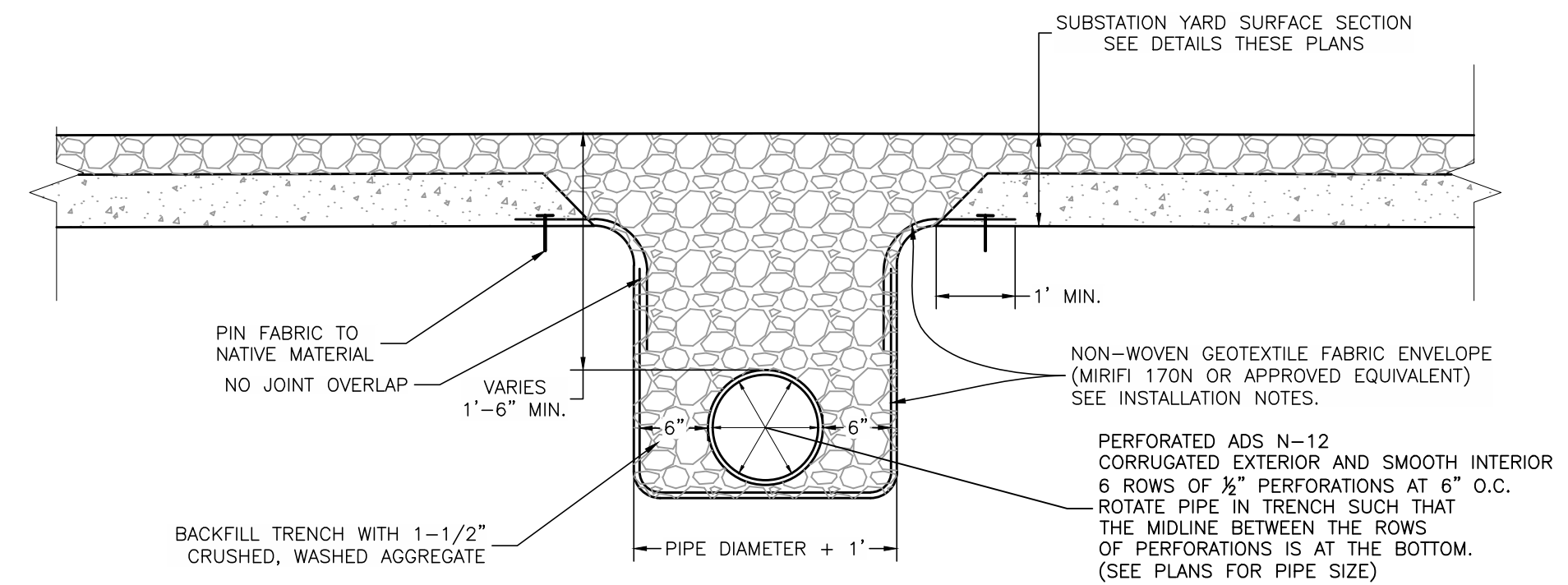


EDB ACCESS ROAD SECTION - OUTSIDE OF EDB
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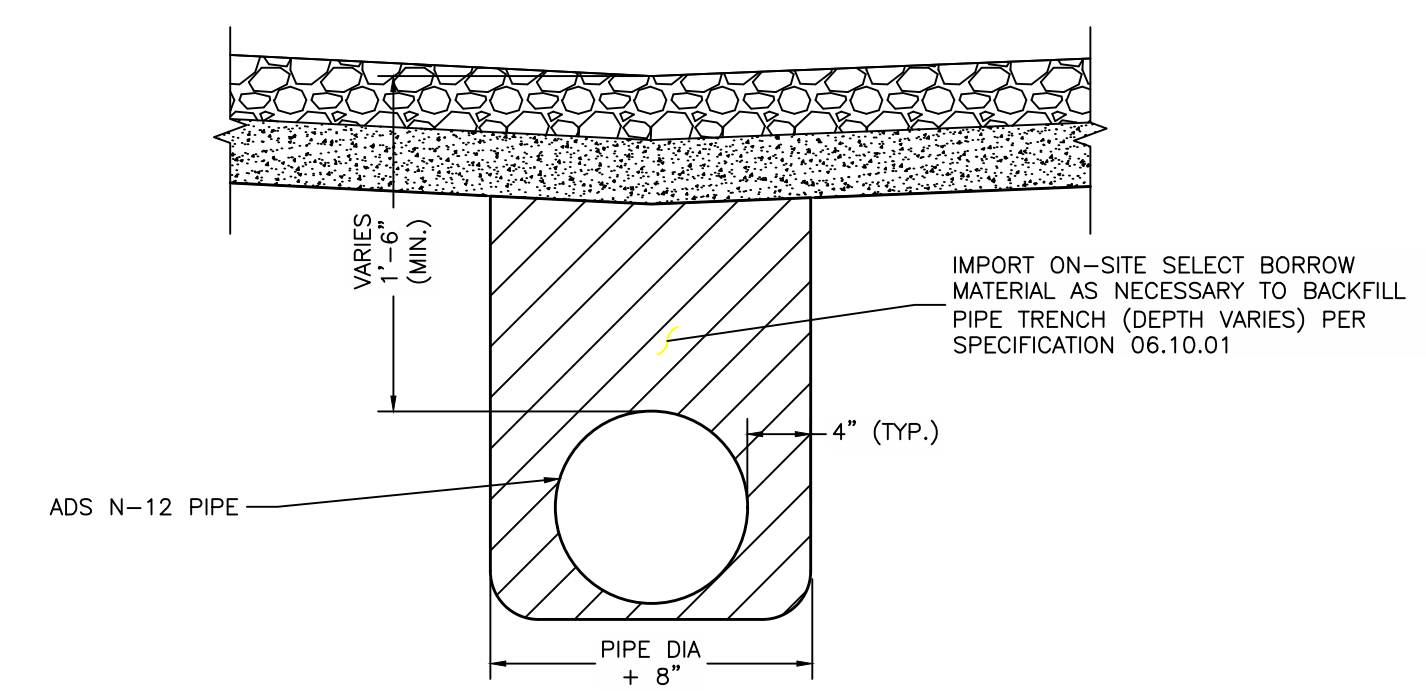


EDB ACCESS ROAD SECTION - INSIDE OF EDB
N.T.S.

PIPE, AGGREGATE, & FABRIC INSTALLATION NOTES:
 1. LAY FABRIC IN TRENCH PRIOR TO PLACEMENT OF AGGREGATE.
 2. INSTALL PERFORATED PIPE TO DESIGN GRADES WITH PERFORATIONS PER DETAIL.
 3. BACKFILL TO DESIGN SURFACE GRADES AND ELEVATIONS WITH 1/2" CRUSHED AGGREGATE PER SPECIFICATIONS.

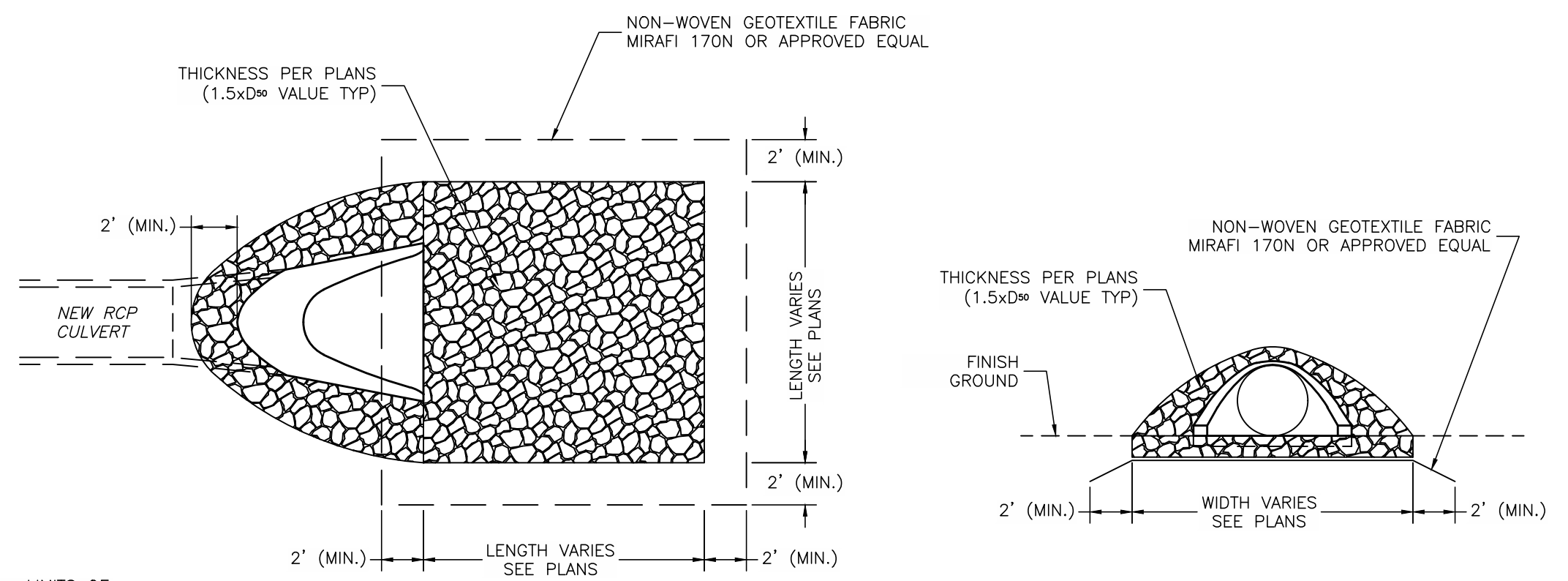


TYPICAL PERFORATED SUBDRAIN DETAIL
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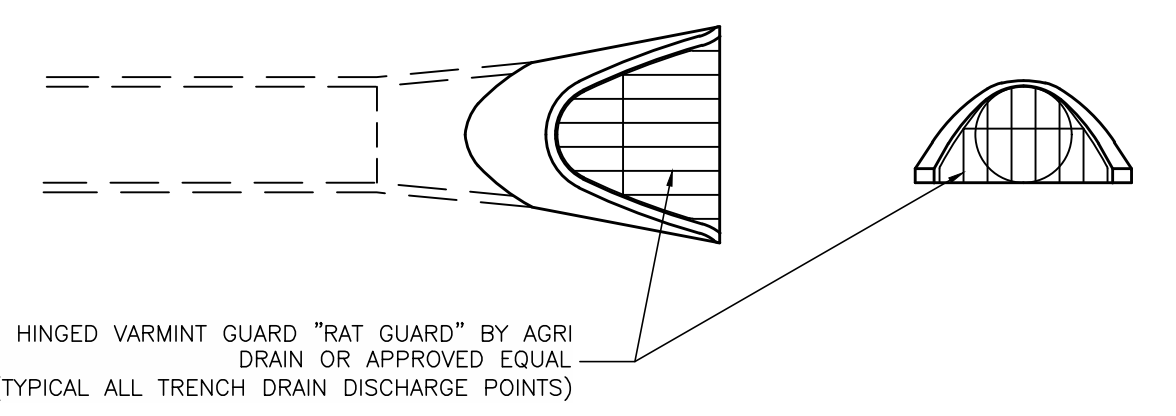


TYPICAL SOLID SUBDRAIN DRAIN DETAIL
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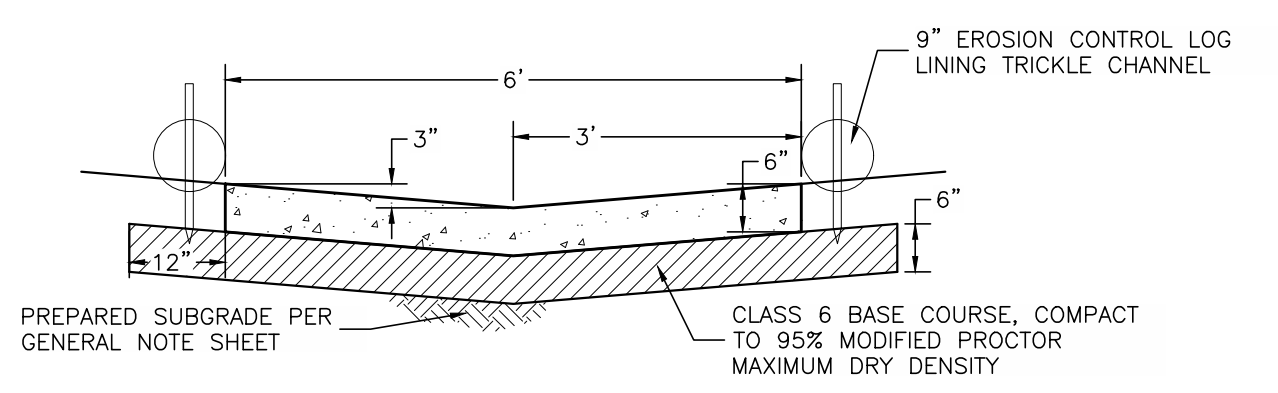
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Revision		M.F.		Reference Drawings	
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6					
5					
4					
3	04/21/26	WL	DWS	REVISED PER EPC COMMENTS	
2	04/22/26	WL	DWS	ISSUED-FOR-BID SET	
1	03/10/26	WL	DWS	REVISED PER EPC COMMENTS	
No.	Date	Dwn.	Appd.	Revision	
<p>CROSSPOINT SUBSTATION 230 KV CIVIL DETAILS</p> <p>TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p> <p>1100 W. 116th Ave. P.O. Box 33895 Denver, Colorado 80233 303-452-6111</p> <p>WLDGATE 4/23/2026 3:33 PM Contract: . . . PATH: \\DMS1\Projects\Active\Projects\2023\23148-TSST Crosspoint Substation\Civil\Sheets\S1174-A-01-SHEETS.dwg</p>					
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S1174-A-01-010					



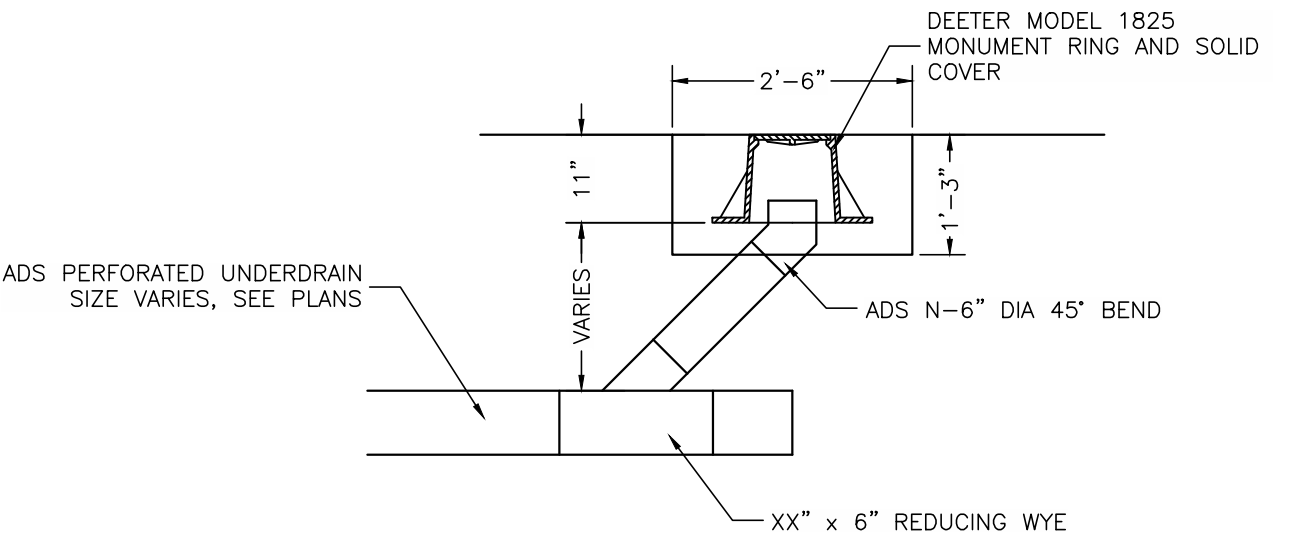
RCP CULVERT OUTLET DETAIL
N.T.S.



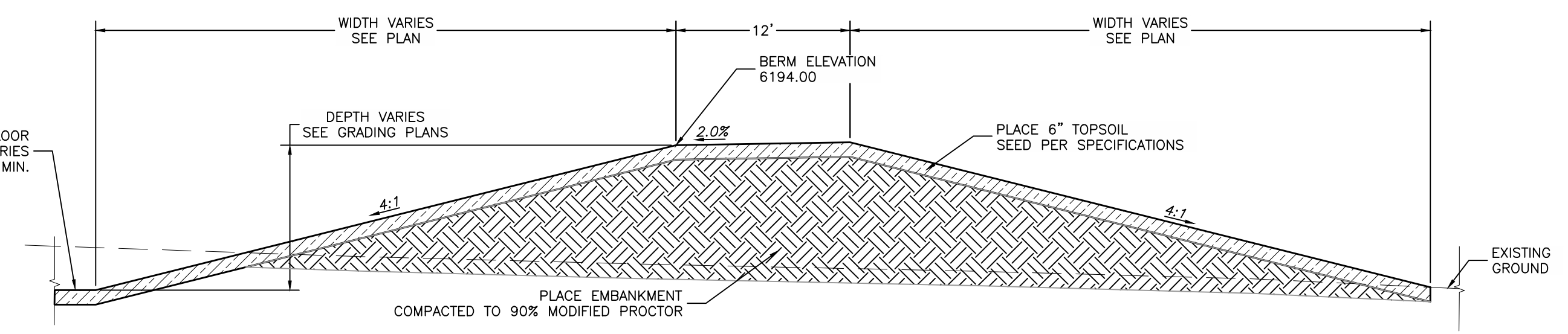
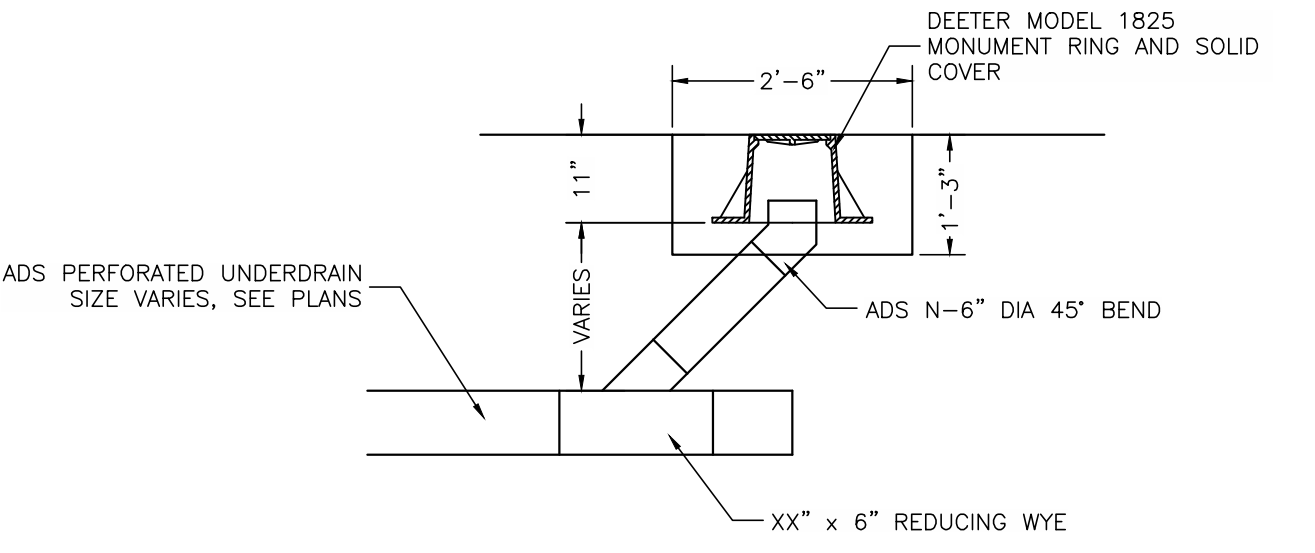
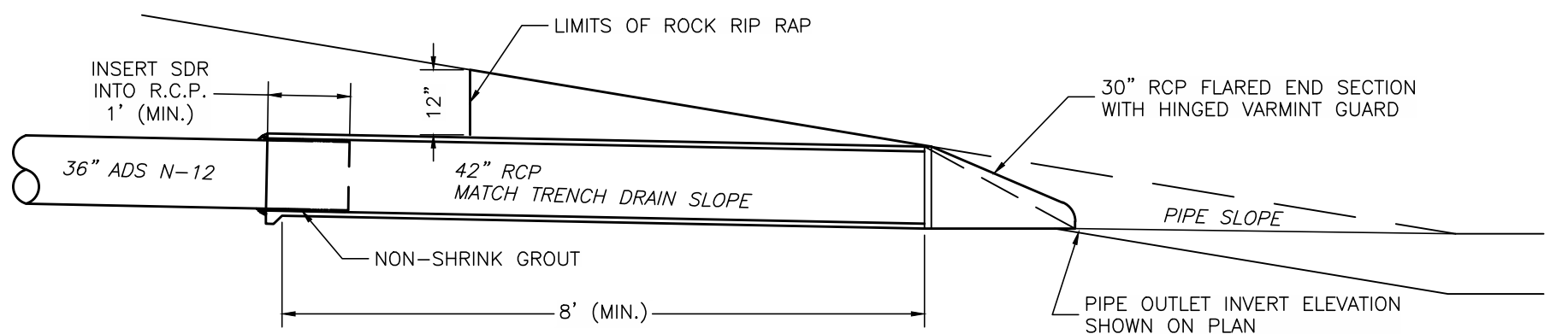
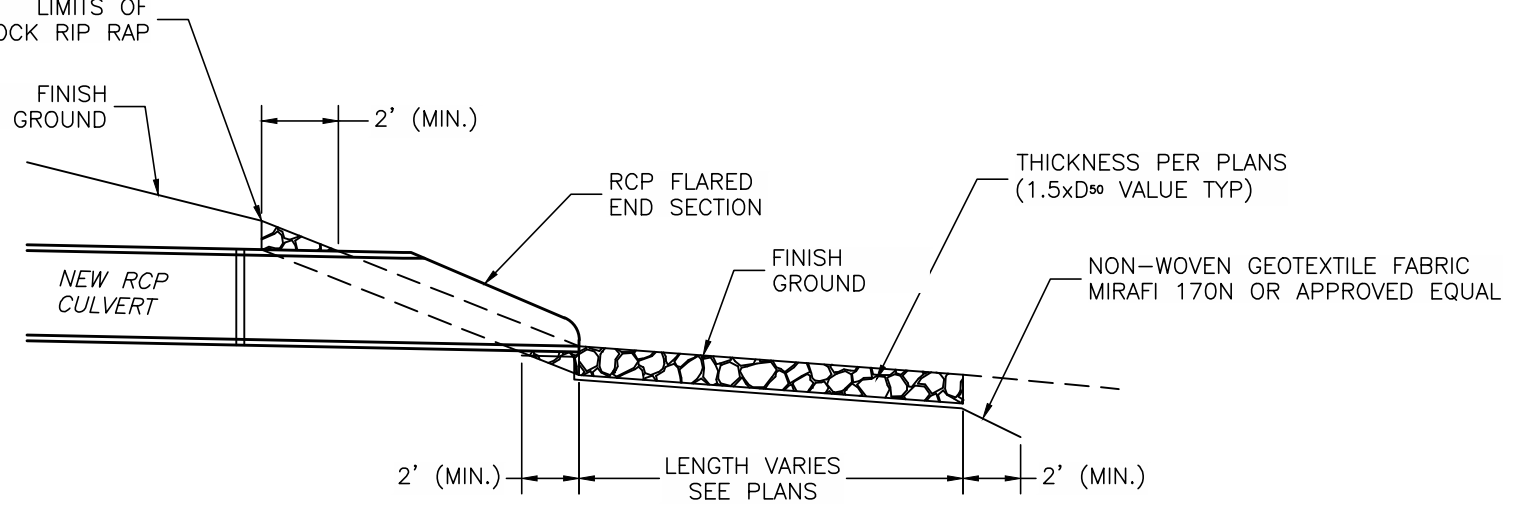
ADS SUBDRAIN OUTLET ASSEMBLY
N.T.S.



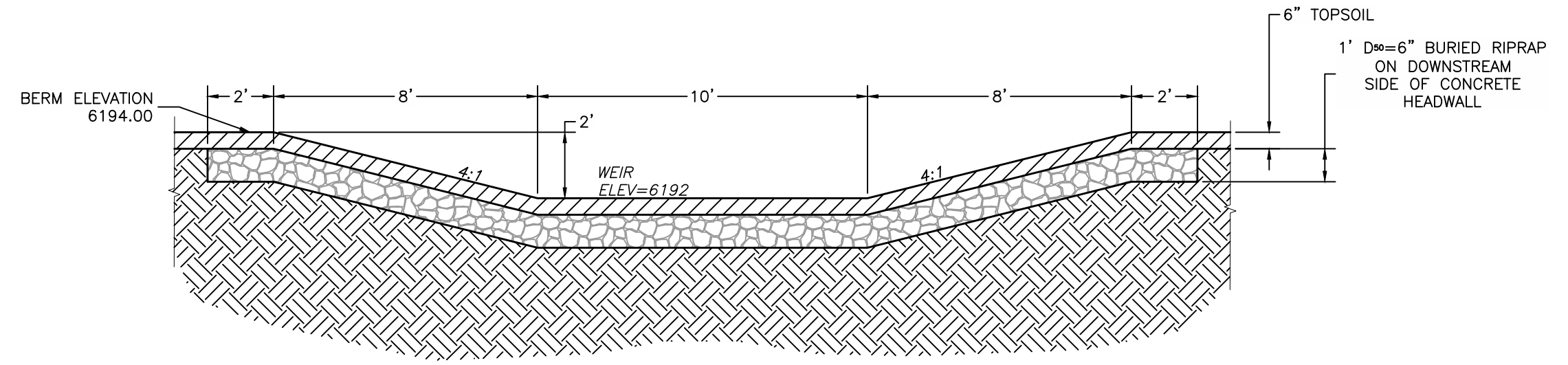
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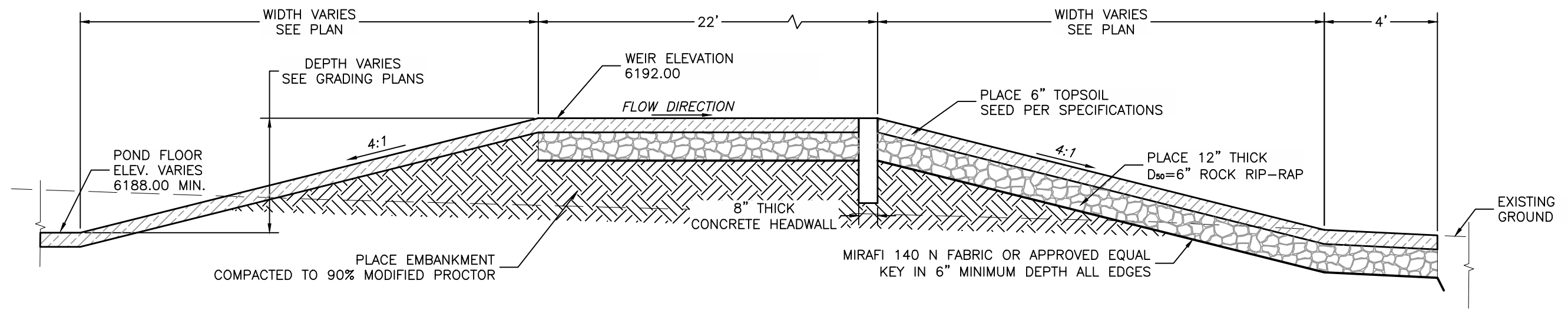
TYPICAL CLEANOUT DETAIL
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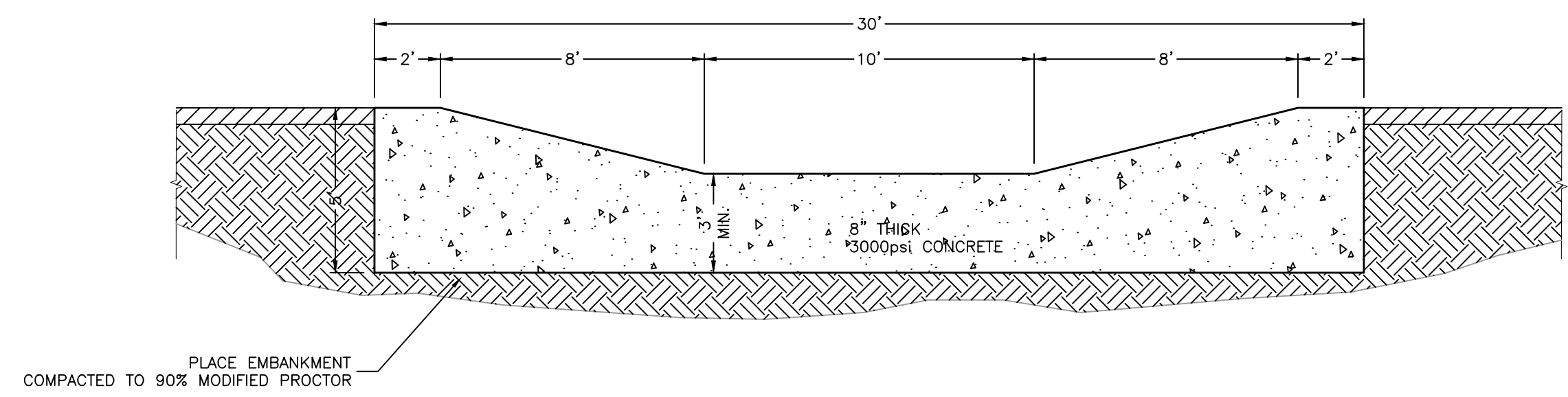
TYPICAL POND BERM SECTION
N.T.S.



DETENTION BERM EMERGENCY WEIR DETAIL
N.T.S.



TYPICAL POND BERM & OVERFLOW WEIR SECTION
N.T.S.



DETENTION BERM EMERGENCY WEIR
CONCRETE HEADWALL DETAIL
N.T.S.

Reference Drawings	Mfr.	Dwg. No.	Drawing Title
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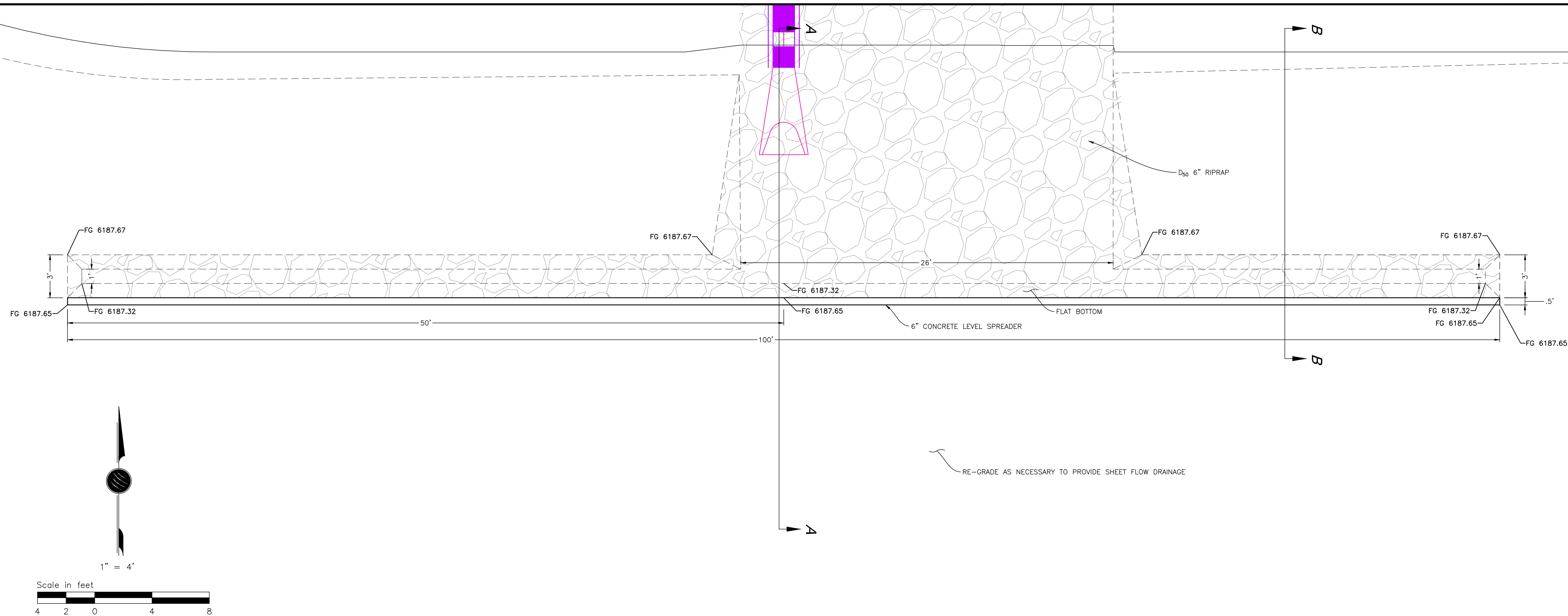
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2	03/19/26	WL	DWS	REVISED PER EPC COMMENTS
1				

CROSSPOINT SUBSTATION
230 KV
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED
1100 W. 116th Ave.
P.O. Box 33895
Denver, Colorado 80233
303-452-6111
UPDATE BY: WJLDGATE 4/23/2026 3:33 PM Contract: S1174-A-01-SHEETS.dwg

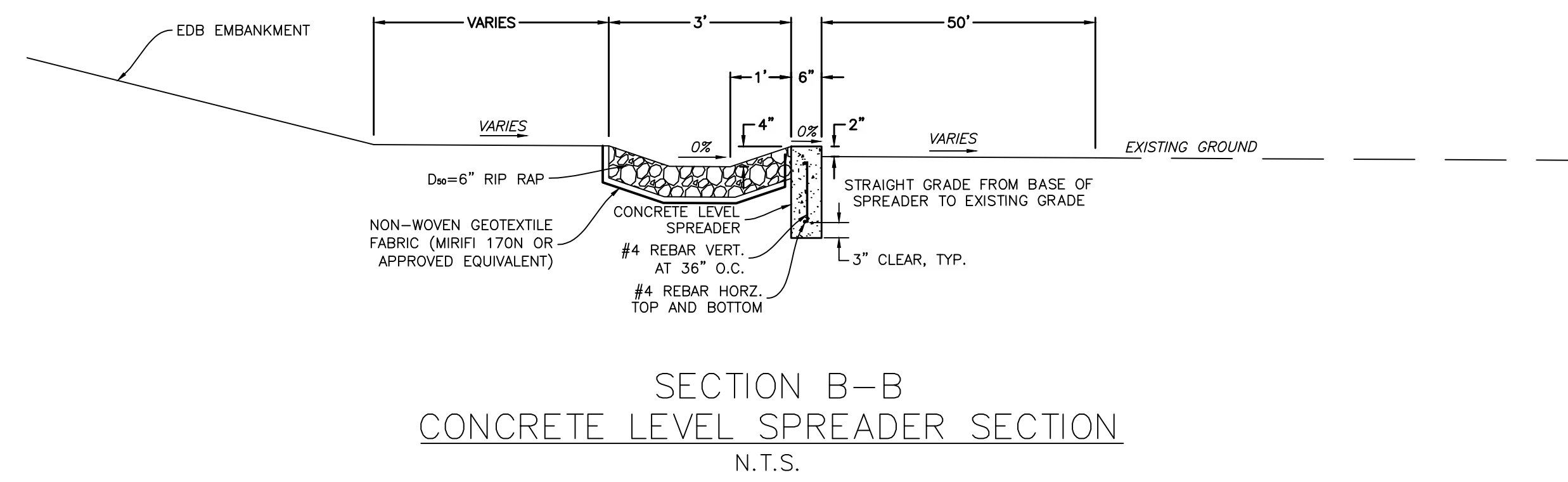
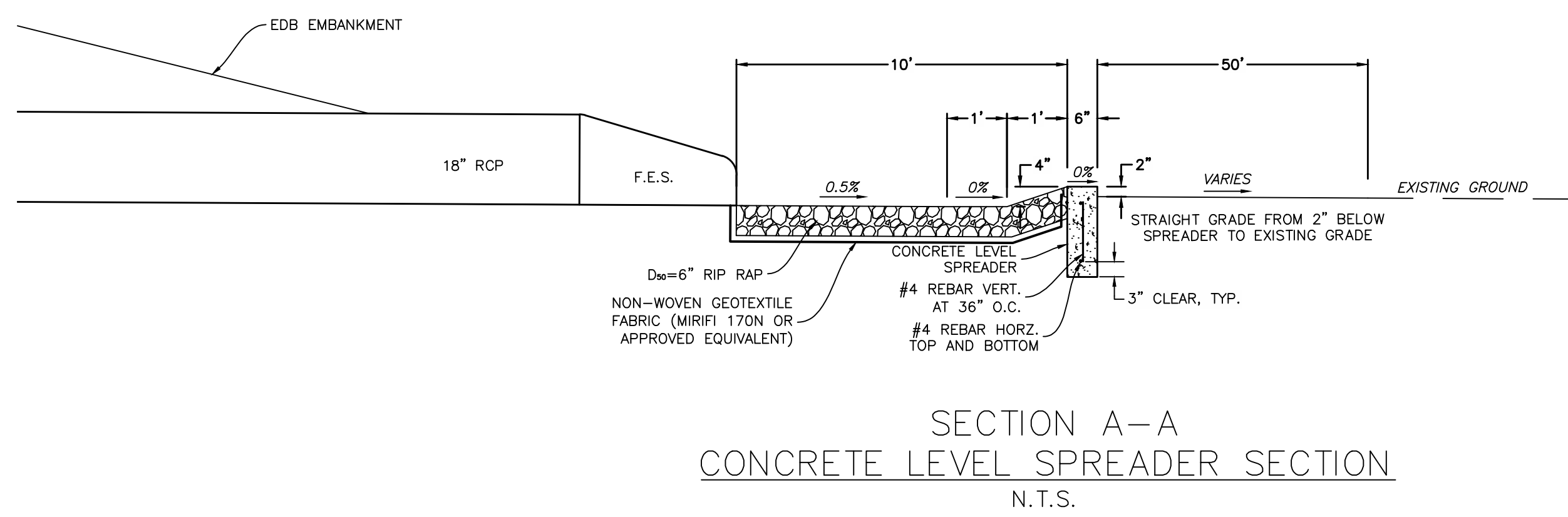
TRI-STATE
Generation and Transmission Association, Inc.
A Touchstone Energy Cooperative
1100 W. 116th Ave.
P.O. Box 33895
Denver, Colorado 80233
303-452-6111

Dwn: TMC	Date: 11/17/25
Appd:	Date:

S1174-A-01-011



CONCRETE LEVEL SPREADER DETAIL

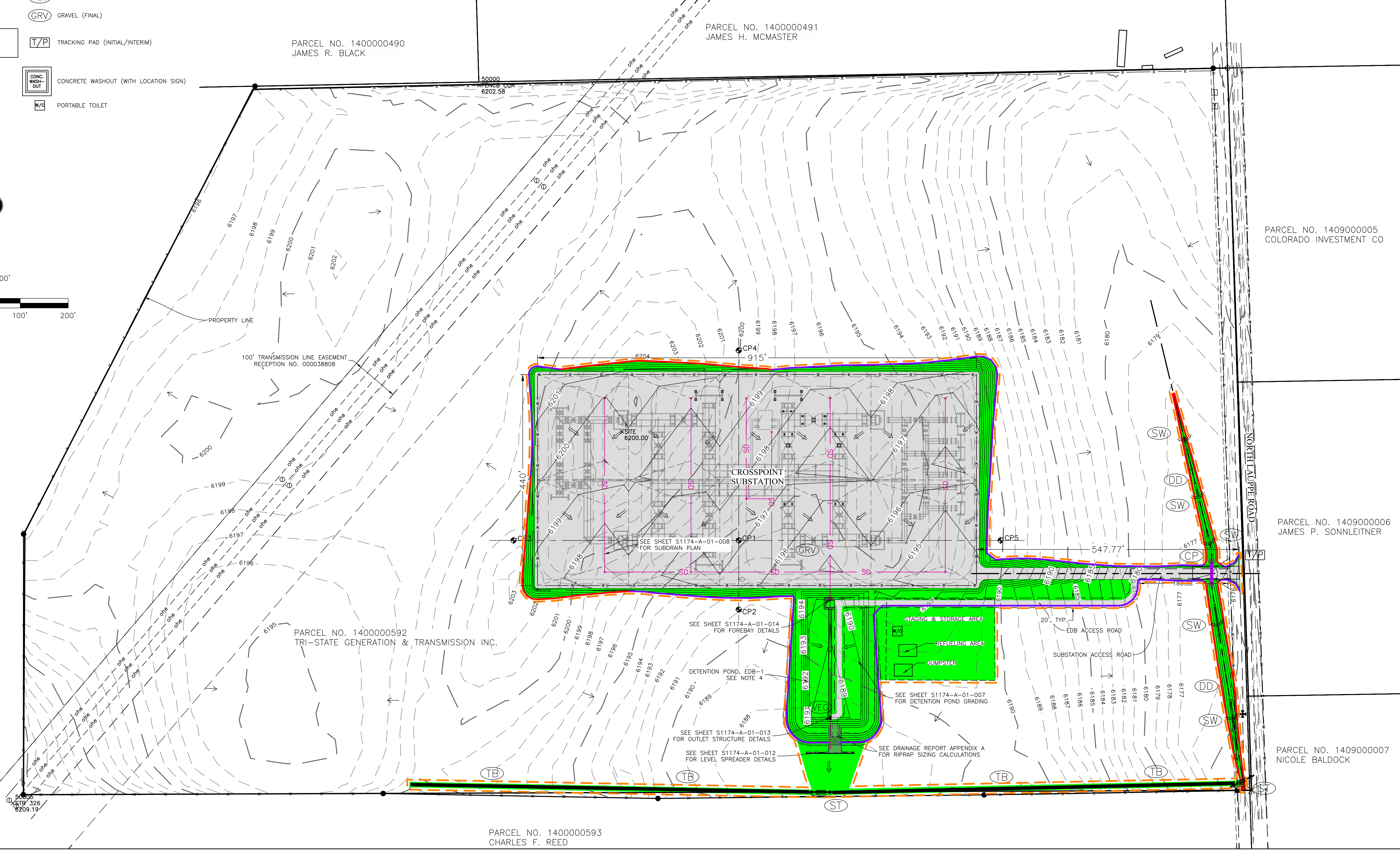
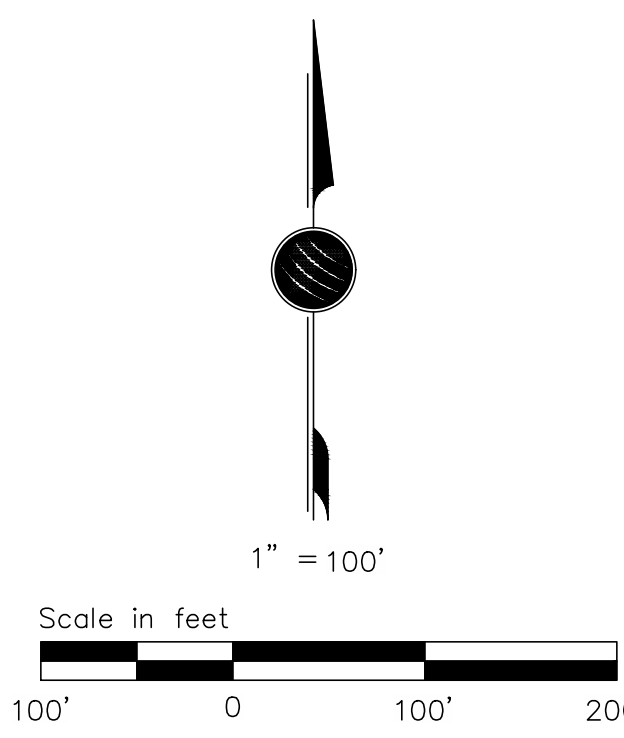


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Appd: .		Date: .	
<p>TRI-STATE Generation and Transmission Association, Inc. A Touchstone Energy Cooperative 1100 W. 116th Ave. P.O. Box 33890 Denver, Colorado 80233 303-452-6111</p>			
<p>CROSSPOINT SUBSTATION 230 KV LEVEL SPREADER DETAILS</p>			
<p>TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p>			
<p>UPDATED BY: WLDGATE 4/23/2028 3:33 PM Contract: . PATH: \\DMS1\A\Projects\Active Projects\2023\23148-152 Crosspoint Substation\Civil\Sheets\S1174-A-01-SHEETS.dwg</p>			
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1	03/19/26	WL	DWS
<p>REVISIONS</p>			
		Revision	
		M.F.	
		Dwg. No.	
		Mfr.	
		Reference Drawings	
		Drawing Title	
<p>S1174-A-01-012</p>			

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF CONSTRUCTION
- TOE OF FILL SLOPE
- TOP OF CUT SLOPE
- STAGING AREA
- DIVERSION DITCH (INITIAL)
- TOPSOIL BERM (INITIAL)
- SEDIMENT TRAP (INITIAL/INTERIM)
- STRAW WATTLE (INITIAL/INTERIM)
- CULVERT PROTECTION (INITIAL/INTERIM)
- SEEDING (FINAL) - SEE NOTES
- GRAVEL (FINAL)
- TRACKING PAD (INITIAL/INTERIM)
- CONCRETE WASHOUT (WITH LOCATION SIGN)
- PORTABLE TOILET
- EXISTING OVERHEAD POWER LINE
- EXISTING FENCE
- EXISTING CULVERT
- EXISTING UTILITY POLE
- EXISTING GUY ANCHOR
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING DRAINAGE FLOWLINE
- PROPOSED SUBDRAIN LINE
- PROPOSED FENCE
- PROPOSED CULVERT
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED DRAINAGE FLOWLINE
- PROPOSED DRAINAGE FLOW ARROW
- EXISTING DRAINAGE FLOW ARROW

- NOTES:**
- EXISTING VEGETATION CONSISTS OF NATIVE GRASSES AND WEEDS AT 30-60% GROUND COVER.
 - NO BATCH PLANTS WILL BE UTILIZED ON SITE.
 - NO PART OF THE SITE LIES WITHIN THE FEMA 100 YEAR FLOODPLAIN.
 - CONCRETE OUTLET STRUCTURE MUST BE INSTALLED IN ORDER TO USE DETENTION POND AS A TEMPORARY SEDIMENT POND DURING CONSTRUCTION.
 - SEEDING SHALL BE WEED-FREE HAY MULCH AT 5,000 LBS PER ACRE WHEN DISTRIBUTED UNIFORMLY. CONTRACTOR SHALL UTILIZE EL PASO COUNTY CONSERVATION DISTRICT'S NATIVE SHOTGUN MIX.



<p>CROSSPOINT SUBSTATION 230 KV EROSION CONTROL PLAN</p> <p>TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED 1100 W. 116th Ave. P.O. Box 338905 Denver, Colorado 80233 303-452-6111</p> <p>DATE: 11/17/25 DWN: TMC APPD: []</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Date</th> <th>Dwn.</th> <th>Appd.</th> <th>Revision</th> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>04/21/26</td> <td>WL</td> <td>DWS</td> <td>REVISED PER EPC COMMENTS</td> </tr> <tr> <td>3</td> <td>04/21/26</td> <td>WL</td> <td>DWS</td> <td>ISSUED-FOR-BID SET</td> </tr> <tr> <td>2</td> <td>04/22/26</td> <td>WL</td> <td>DWS</td> <td>REVISED PER EPC COMMENTS</td> </tr> <tr> <td>1</td> <td>03/19/26</td> <td>DWS</td> <td></td> <td></td> </tr> </table> <p>UPDATED BY: WJUDGATE 4/23/2026 3:33 PM Contract: [] PATH: \\DMS1\Projects\Active\Projects\2023\23148-1557_Crosspoint_Substation\Facility\Civil\Sheets\1174-A-01-SHEETS.dwg</p>	No.	Date	Dwn.	Appd.	Revision	7					6					5					4	04/21/26	WL	DWS	REVISED PER EPC COMMENTS	3	04/21/26	WL	DWS	ISSUED-FOR-BID SET	2	04/22/26	WL	DWS	REVISED PER EPC COMMENTS	1	03/19/26	DWS		
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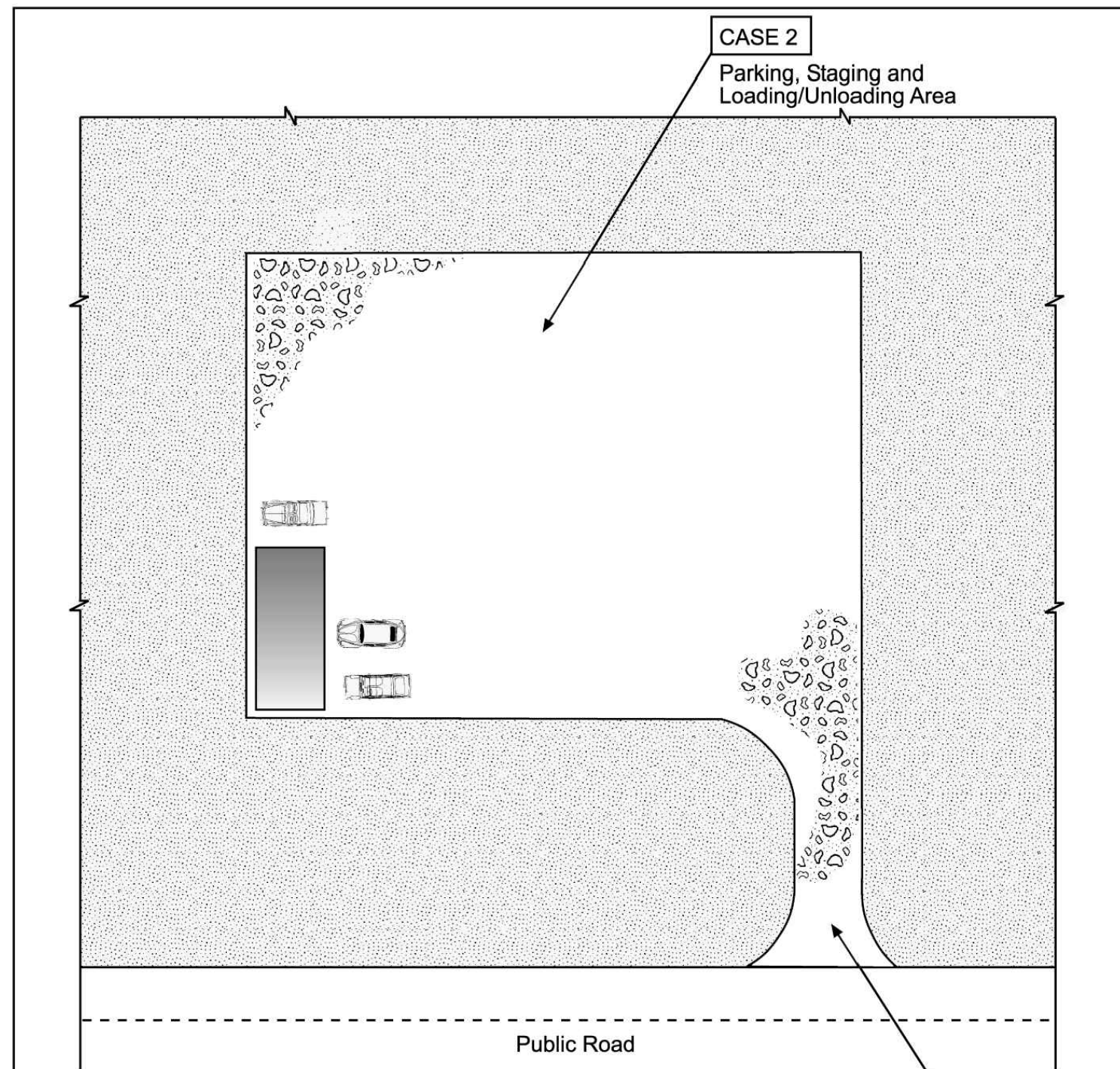


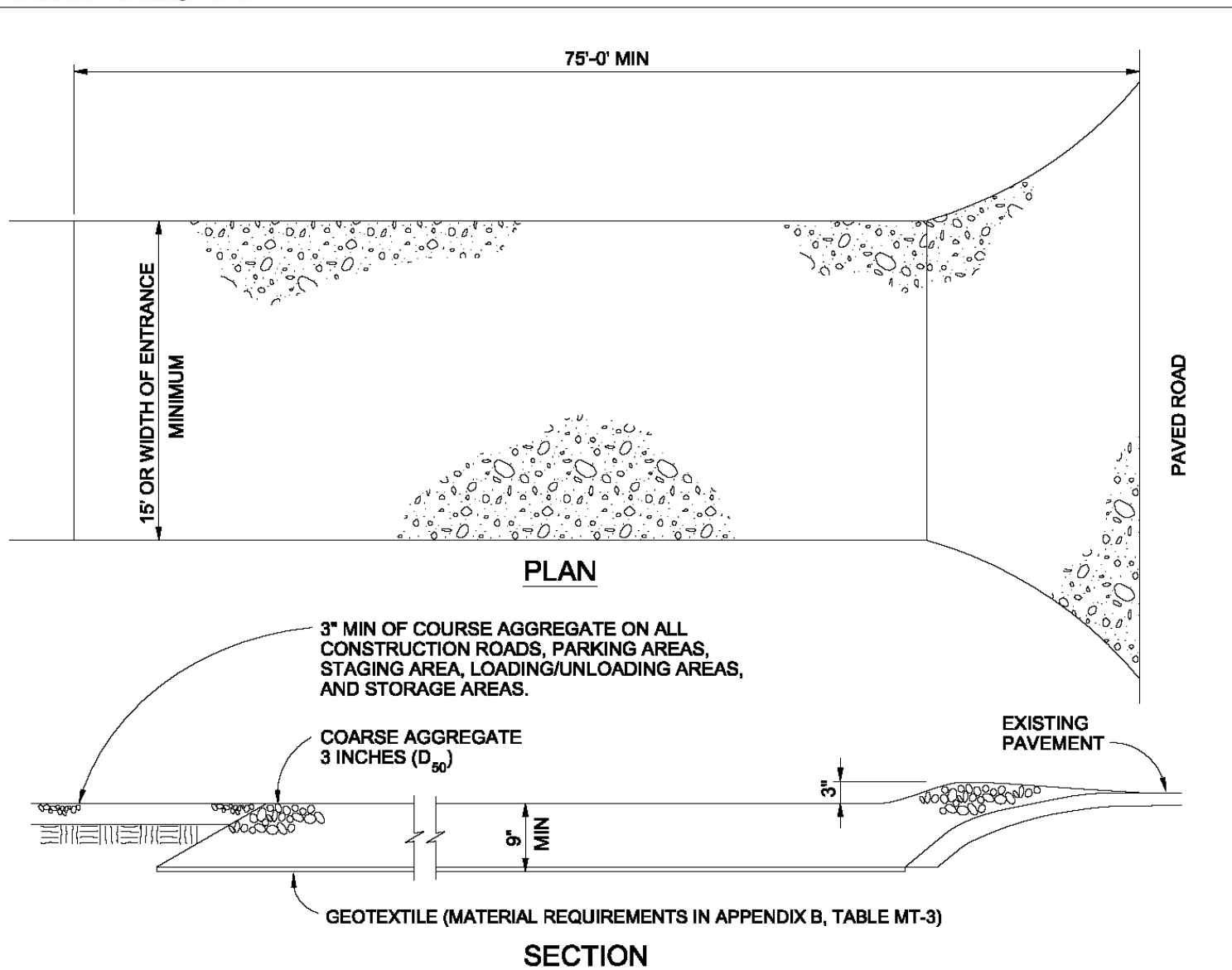
Table VT-1

	Case 1	Case 2
Gravel Thickness	9"	3"
Filter Fabric	YES	NO

City of Colorado Springs
Storm Water Quality

Figure VT-1
Vehicle Tracking
Application Examples

DEN\M15722.CS.CB\FigVT-19-99



VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

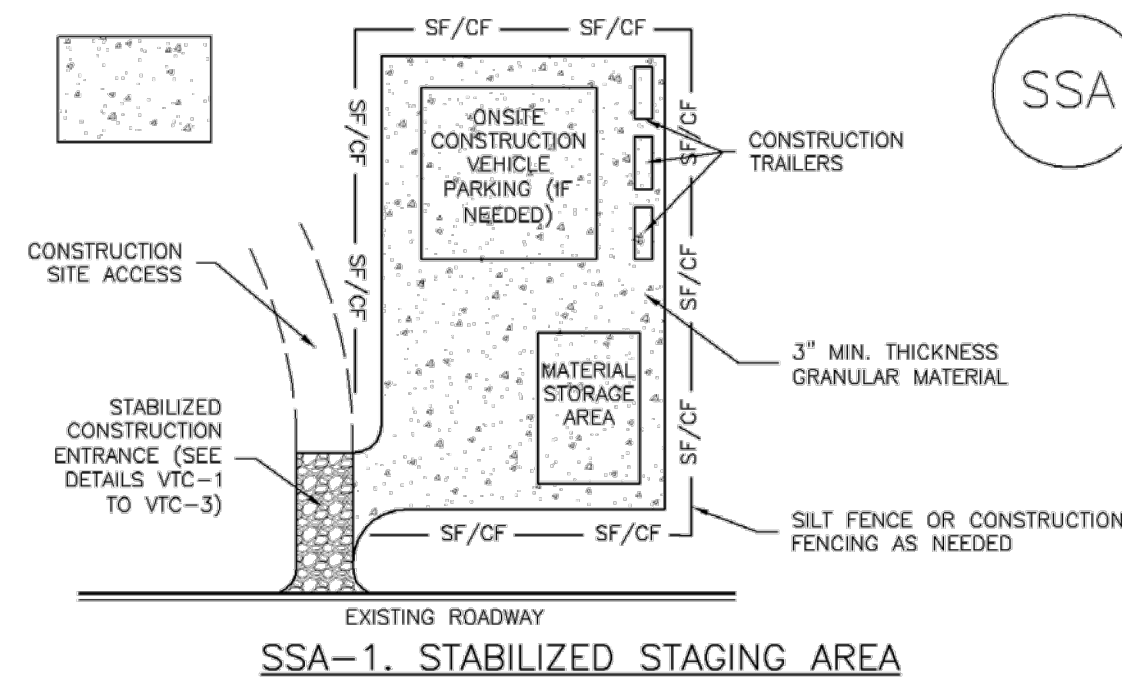
MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs
Stormwater Quality

Figure VT-2
Vehicle Tracking
Application Examples

Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

- STABILIZED STAGING AREA INSTALLATION NOTES**
1. SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S). CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. 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 SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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

SM-6 Stabilized Staging Area (SSA)

- STABILIZED STAGING AREA MAINTENANCE NOTES**
5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDS AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

NOTE: FOR RE-SEEDING, CONTRACTOR SHALL UTILIZE EL PASO COUNTY CONSERVATION DISTRICT'S NATIVE SHOTGUN MIX. CONTRACTOR SHALL UTILIZE BELOW TABLE FOR APPLICATION RATES. DISTURBED AREAS SHALL BE MULCHED AFTER SEEDING WITH WEED-FREE HAY MULCH AT 5,000 LBS PER ACRE WHEN DISTRIBUTED UNIFORMLY.

Chapter 5
Native Vegetation Requirements and Guidelines

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

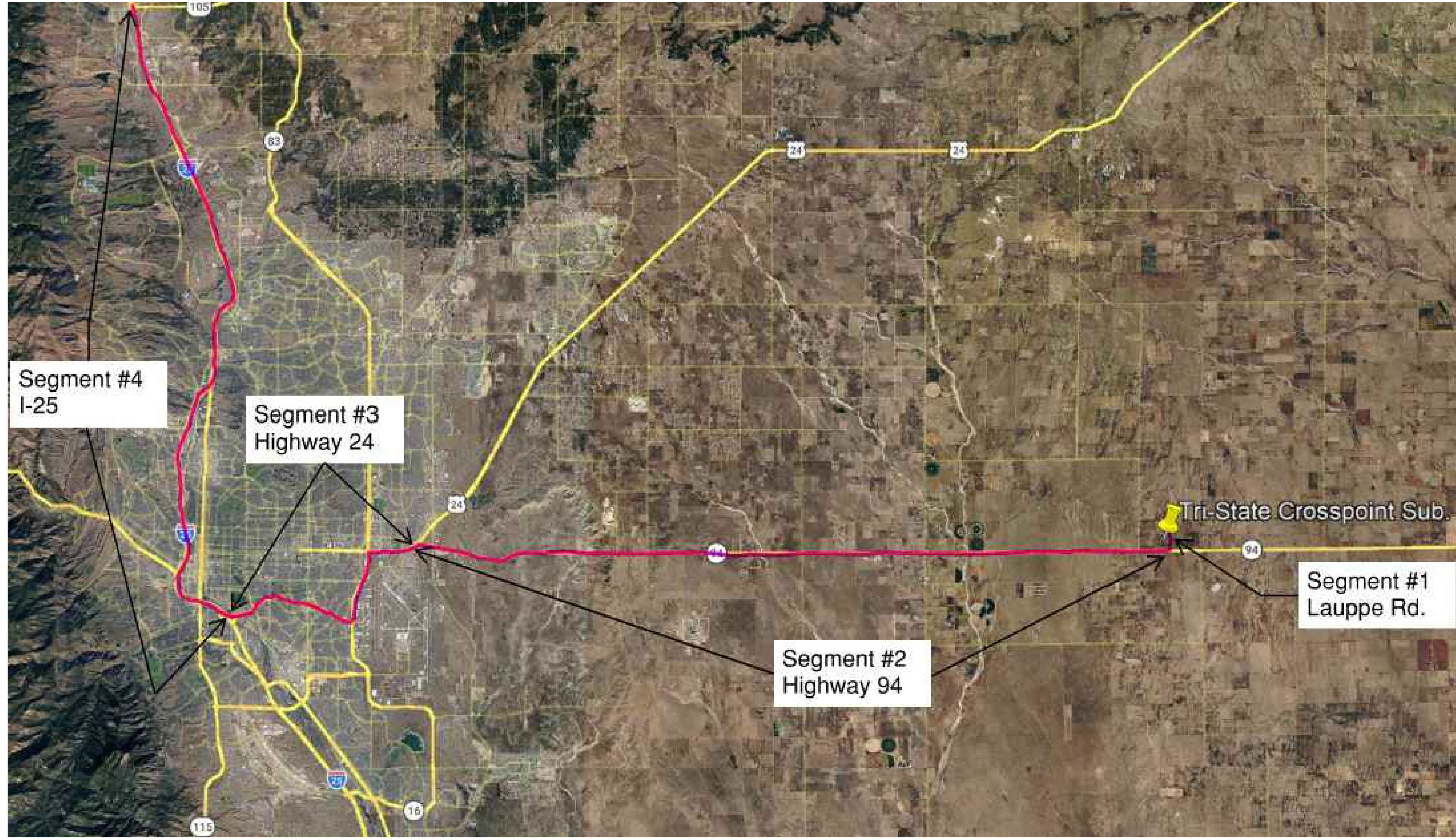
Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				Irrigated broadcast Irrigated hydroseeded	Non-irrigated broadcast Non-irrigated hydroseeded Irrigated drilled	Non-irrigated drilled
Bluestem, big	<i>Andropogon gerardii</i>	Warm, sod	20	4.4	2.2	1.1
Grama, blue	<i>Bouteloua gracilis</i>	Warm, bunch	10	0.5	0.25	0.13
Green needlegrass ²	<i>Nassella viridula</i>	Cool, bunch	10	2	1	0.5
Wheatgrass, western ²	<i>Pascopyrum smithii</i>	Cool, sod	20	6.4	3.2	1.6
Grama, sideoats	<i>Bouteloua curtipendula</i>	Warm, bunch	10	2	1	0.5
Switchgrass ²	<i>Panicum virgatum</i>	Warm, bunch/sod	10	0.8	0.4	0.2
Prairie sandreed	<i>Calamovilfa longifolia</i>	Warm, sod	10	1.2	0.6	0.3
Yellow Indiangrass ²	<i>Sorghastrum nutans</i>	Warm, sod	10	2	1	0.5
Seed rate (lbs PLS/acre)				19.3	9.7	4.8

¹For portions of facilities located near or on the bottom or where wet soil conditions occur. Planting of potted nursery stock wetland plants 2-foot on-center is recommended for sites with wetland hydrology.

²Species that will do well in the bottom of pond areas.

City of Colorado Springs Stormwater Enterprise 5-11 Stormwater Construction Manual December 2020

Dwn. TMC		Date: 11/17/25
Appd.		Date:
<p>TRI-STATE Generation and Transmission Association, Inc. A Touchstone Energy Cooperative 1100 W. 116th Ave. P.O. Box 33693 Denver, Colorado 80233 303-452-6111</p>		
<p>CROSSPOINT SUBSTATION 230 KV EROSION CONTROL DETAILS TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p>		
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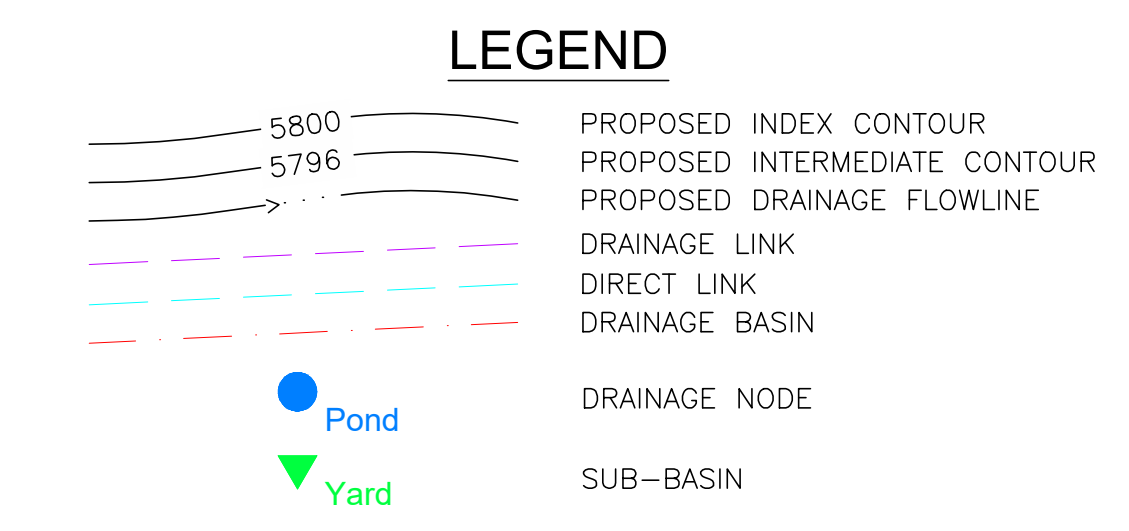
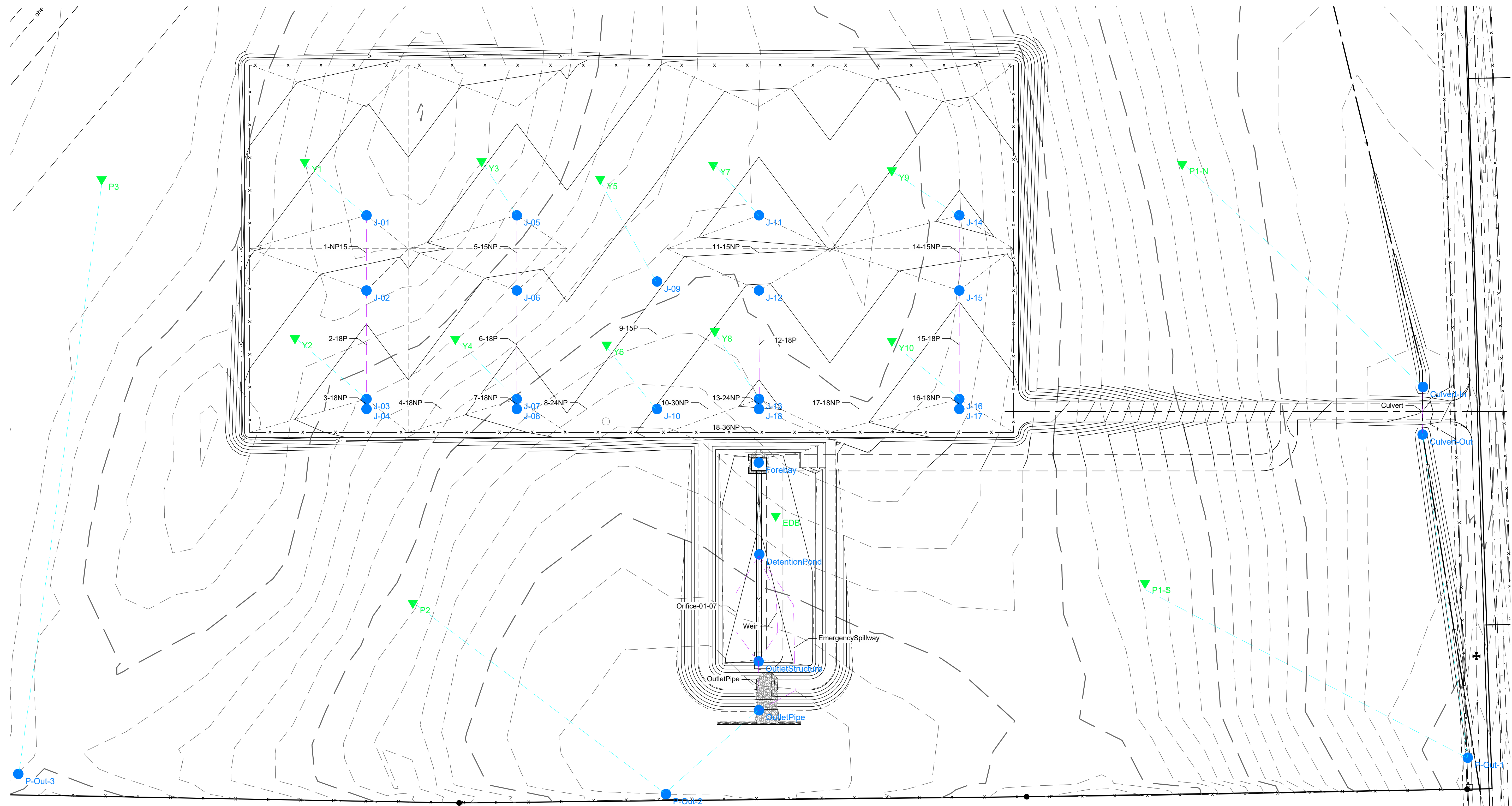
CROSSPOINT SUBSTATION HAUL ROUTES
NOT TO SCALE

NOTE:

1. The proposed haul routes for the construction of the Crosspoint project within El Paso County include I-25, US 24, and CO 94 (as shown on plan above). Where practical, existing public roads and private roads will be utilized during Crosspoint construction, maintenance, and operation.

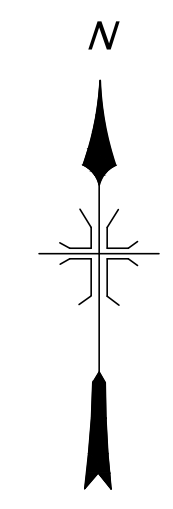
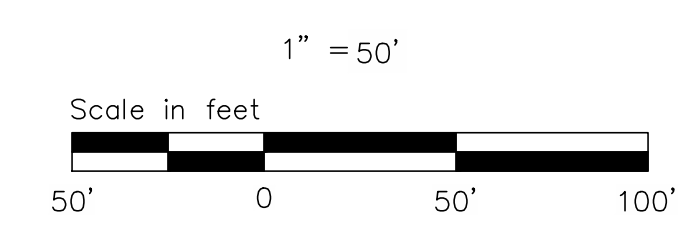
<p>TRI-STATE Generation and Transmission Association, Inc. 1100 W. 116th Ave. P.O. Box 33890 Denver, Colorado 80233 303-452-6111</p>		<p>CROSSPOINT SUBSTATION 230 KV HAUL ROUTE PLAN</p> <p>TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p> <p>UPDATED BY: WJUDGATE 4/23/2028 3:33 PM Contract: . . .</p>		<p>7</p>		<p>M.F.</p>	
<p>6</p>		<p>5</p>		<p>4</p>		<p>3</p>	
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<p>Dwn.</p>		<p>Date</p>		<p>Appr.</p>		<p>Revision</p>	
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NOTE: THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE AUTODESK STORM AND SANITARY ANALYSIS MODEL. FOR ALL DESIGN SPECIFIC INFORMATION SEE S1174-A-01-005

Subdrain (Link) ID	Pipe Diameter (in)	Total Capacity (cfs)	Required Flow Capacity (cfs)	Remaining Capacity (cfs)
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2-18P	18	9.86	4.73	5.12
3-18NP	18	9.92	9.37	0.52
4-18NP	18	8.81	9.54	Surcharged <1m
5-15NP	15	6.02	4.66	1.37
6-18P	18	9.86	4.63	5.23
7-18NP	18	9.92	9.18	0.71
8-24NP	24	19.45	18.07	1.4
9-15P	15	8.01	2.35	5.66
10-30NP	30	17.33	18.75	Surcharged 4m
11-15NP	15	5.98	5.75	0.25
12-18P	18	9.86	5.71	4.14
13-24NP	24	21.37	10.64	10.66
14-15NP	15	6.06	5.40	0.67
15-18P	18	8.05	5.36	2.69
16-18NP	18	8.05	8.73	Surcharged 4m
17-18NP	18	8.05	8.71	Surcharged <1m
18-36NP	36	69.31	37.12	32.1



CROSSPOINT SUBSTATION
230 KV
DRAINAGE MODEL SCHEMATIC

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED
1100 W. 116th Ave.
P.O. Box 33890
Denver, Colorado 80233
303-452-6111

WUDGATE
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Dwn: TMC Date: 11/17/25
Appd: Date:

S1174-A-01-019

No.	Date	Dwn.	Appd.	Revision	M.F.
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Dwg. No. Mgr. Drawing Title
Reference Drawings