

VICINITY MAP  
N.T.S.

Site Coordinates (Lat/Long): 39.0808, -104.7858  
 Address: 17090 Shalara Road, Monument, CO  
 Parcel No. 6121003005

# TRI-STATE

Generation and Transmission  
 Association, Inc.



## Fox Run Substation Construction of a New Substation including Grading, Drainage, and Surface Improvements El Paso County, Colorado

Construction Plans prepared in cooperation with:

**DMC** **DEL-MONT CONSULTANTS, INC.**  
 ENGINEERING ▾ SURVEYING ▾ PLANNING  
 125 Colorado Ave. ▼ Montrose, CO 81401 ▼ (970) 249-2251 ▼ (970) 249-2342 FAX  
 www.del-mont.com ▼ service@del-mont.com

**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.

*Kent Utley* 3/30/21  
 Engineer of Record Signature Date

**OWNER'S STATEMENT:**

I, the owner/developer have read and will comply with the requirements of the grading and erosion control plan and all of the requirements specified in these detailed plans and specifications.

Tri-State Generation and Transmission Association, Inc.  
 By: Mar 31, 2023  
 Owner Signature Date  
 Barry W. Ingold  
 Chief Operating Officer

**EL PASO COUNTY:**

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 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.

Joshua Palmer, P.E.  
 County Engineer Signature/ECM Administrator



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S1172-A-01-004	OVERALL SITE
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S1172-A-01-007	DETENTION POND GRADING
S1172-A-01-008	SUBDRAIN PLAN
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S1172-A-01-013	CIVIL DETAILS
S1172-A-01-014	DRAINAGE DETAILS
S1172-A-01-015	OUTLET STRUCTURE DETAILS
S1172-A-01-016	FOREBAY DETAILS
S1172-A-01-017	RETAINING WALL DETAILS
S1172-A-01-018	EROSION CONTROL PLAN
S1172-A-01-019	EROSION CONTROL DETAILS

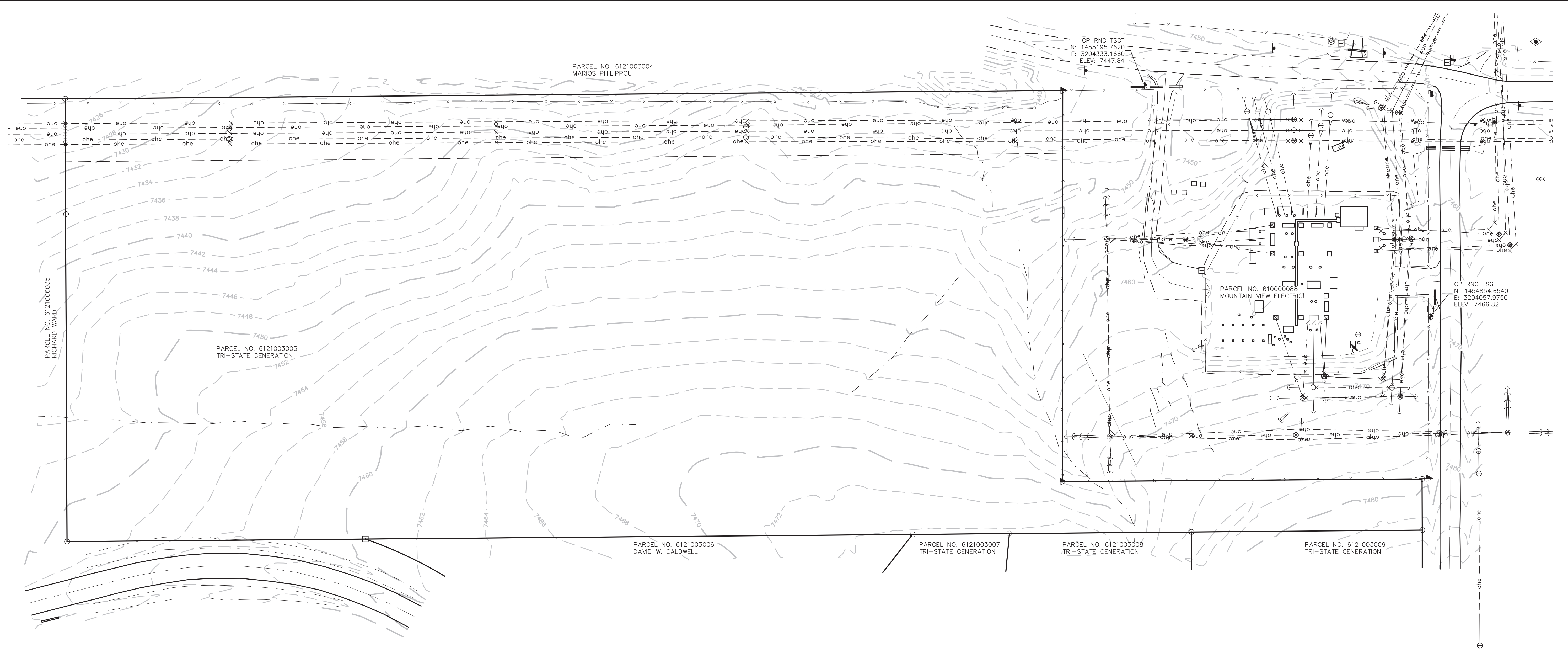
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Revision	
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<b>FOX RUN SUBSTATION</b> COVER SHEET TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED UPDATED BY: TCLEMENT 3/30/2023 9:59 AM Contract:	
<b>TRI-STATE</b> Generation and Transmission Association, Inc. A Touchstone Energy/Cooperative 1100 W. 116th Ave. P.O. Box 33695 Denver, Colorado 80233 303-452-6111	
Dwn:	Date:
TMC	3/30/23
Appd:	Date:
S1172-A-01-001	
PCD File No. PPR2244	



**BID SET**

PATH: \\082514\Projects\Active Projects\2023\171036-1507 Monument Sub Station & GIS\Facility\GIS\Sheets\1172-A-01-SHEETS.dwg





PARCEL NO. 6121006035  
RICHARD WARD

PARCEL NO. 6121003005  
TRI-STATE GENERATION

PARCEL NO. 6121003004  
MARIOS PHILIPPOU

PARCEL NO. 6121003006  
DAVID W. CALDWELL

PARCEL NO. 6121003007  
TRI-STATE GENERATION

PARCEL NO. 6121003008  
TRI-STATE GENERATION

PARCEL NO. 6121003009  
TRI-STATE GENERATION

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PARCEL NO. 61000008  
MOUNTAIN VIEW ELECTRIC

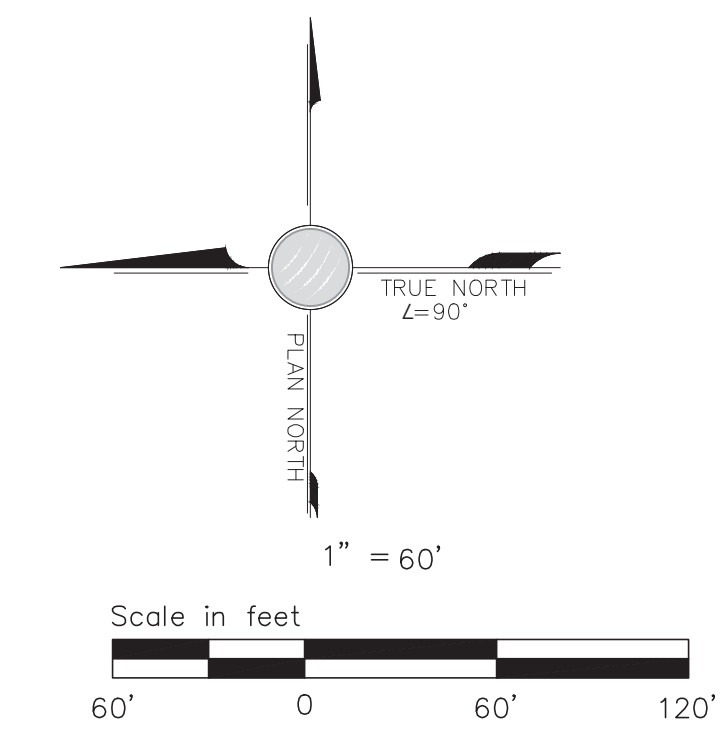
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ELEV: 7502.25

**LEGEND**

	EXISTING PROPERTY FENCE
	EXISTING UNDERGROUND POWER
	EXISTING COUNTY ROAD R.O.W.
	EXISTING CULVERT
	PROPOSED SUBDRAIN
	PROPOSED CULVERT
	PROPOSED GRADE BRAKE LINE
	PROPOSED SUBSTATION FENCE
	PROPOSED DRAINAGE FLOWLINE
	PROPOSED RIPRAP

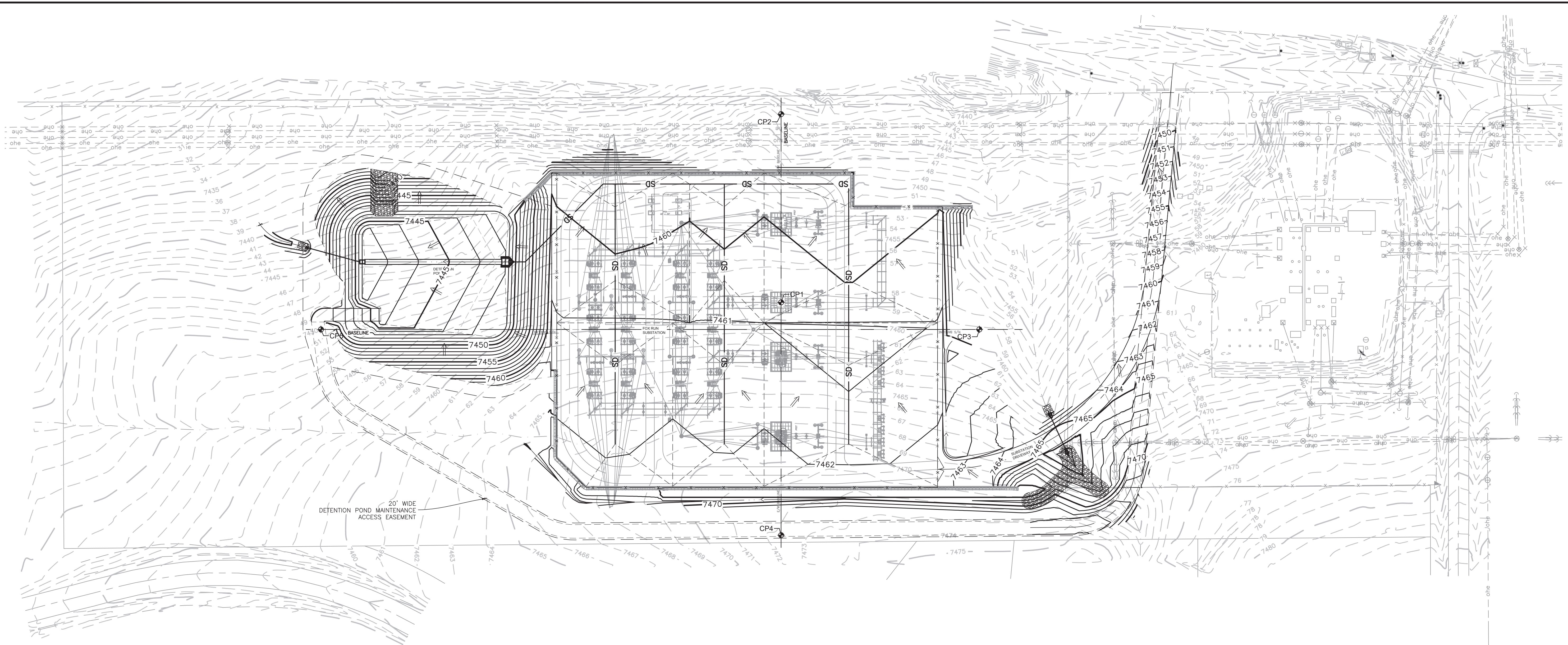
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- COORDINATE SYSTEM NAD83 COLORADO CENTRAL ZONE
  - SCALE FACTOR 1.0003608453



<b>FOX RUN SUBSTATION</b>	
<b>EXISTING CONDITIONS</b>	
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED	
1100 W. 116th Ave. P.O. Box 336905 Denver, Colorado 80233 303-452-6111	
UPDATED BY: TCLEMENT    3/30/2023 9:58 AM    Contract: S1172-A-01-SHEETS.dwg	
 A Touchstone Energy Cooperative 1100 W. 116th Ave. P.O. Box 336905 Denver, Colorado 80233 303-452-6111	COLORADO LICENSED 47786 Kent Utley PROFESSIONAL ENGINEER
Dwn: TMC	Date: 3/30/23
Appd: _____	Date: _____
S1172-A-01-003	
PCD File No. PPR2244	

EPC 4/13/23

**BID SET**



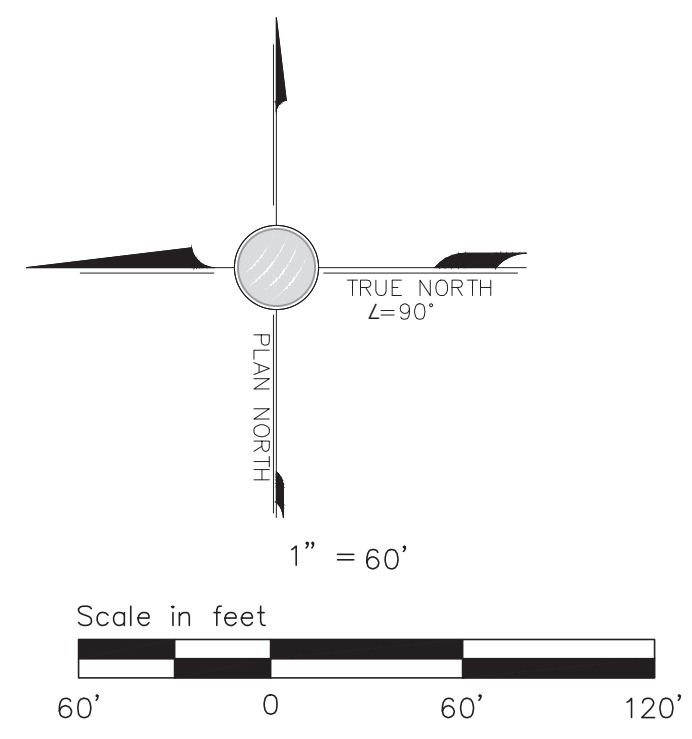
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	EXISTING UNDERGROUND POWER
	EXISTING COUNTY ROAD R.O.W.
	EXISTING CULVERT
	PROPOSED SUBDRAIN
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	PROPOSED SUBSTATION FENCE
	PROPOSED DRAINAGE FLOWLINE
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- 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 SWITCHYARD SECURITY FENCE IN-THE-FIELD, AND REPORT THE COORDINATES AND ELEVATIONS TO THE OWNER'S AUTHORIZED TECHNICAL REPRESENTATIVE (OATR).

**Construction Control Point Table**

Point #	Control Point	Northing	Eastng
5001	CP1	1455632.15	3204080.98
5002	CP2	1455632.15	3204303.24
5003	CP3	1455397.89	3204048.98
5004	CP4	1455632.15	3203805.94
5005	CP5	1456175.92	3204048.98



**FOX RUN SUBSTATION  
OVERALL SITE**

TRI-STATE GENERATION & TRANSMISSION  
ASSOCIATION, INCORPORATED  
1100 W. 116th Ave.  
P.O. Box 338905  
Denver, Colorado 80233  
303-452-6111

**TRI-STATE**  
Generation and Transmission  
Association, Inc.  
A Touchstone Energy Cooperative

Dwn: TMC Date: 3/30/23  
Appd: Date:

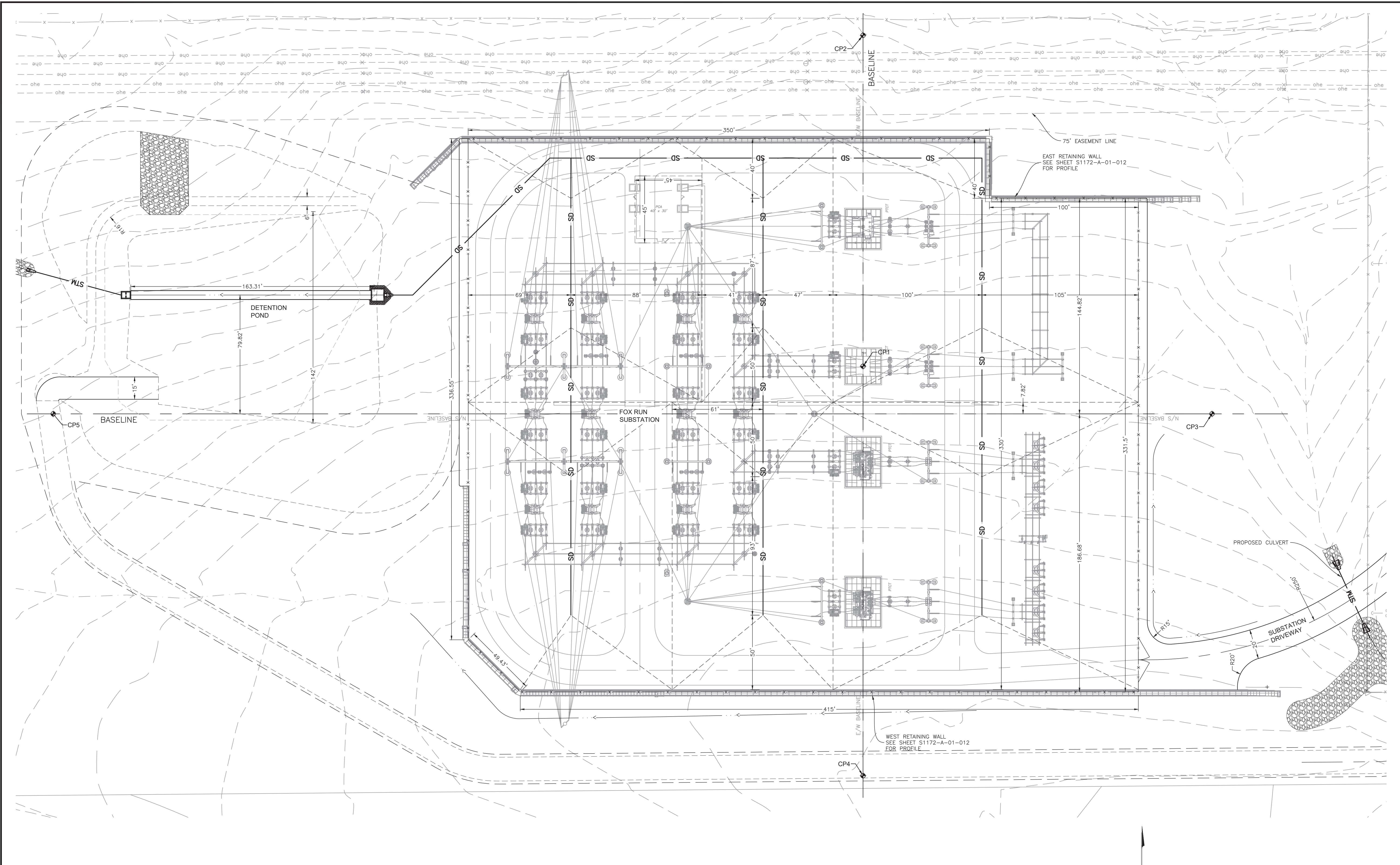
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No.	Date	Dwn.	Appd.	Revision	M.F.
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Reference Drawings

Dwg. No.	Mfr.	Drawing Title

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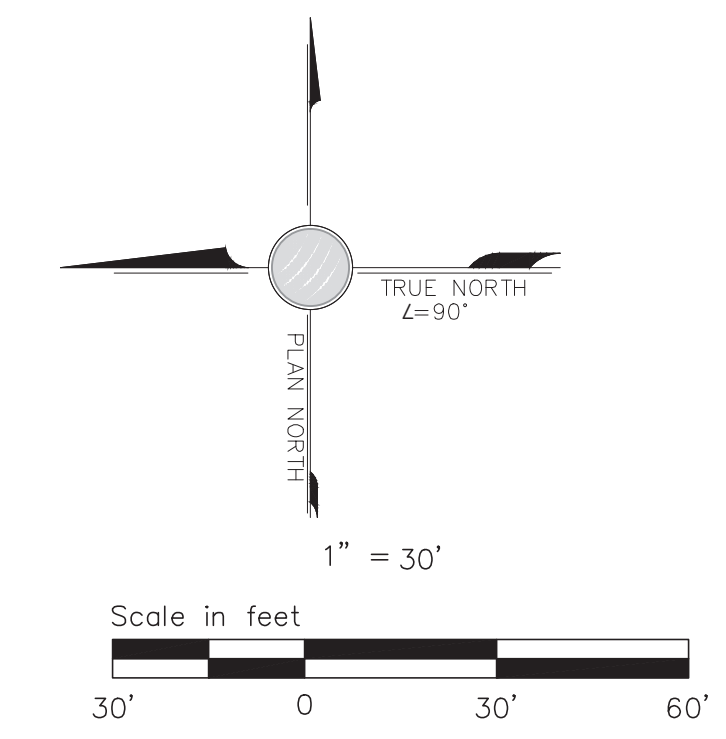
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- EXISTING UNDERGROUND POWER
- EXISTING COUNTY ROAD R.O.W.
- EXISTING CULVERT
- PROPOSED SUBDRAIN
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5005	CP5	1456175.92	3204048.98



**FOX RUN SUBSTATION**  
SITE LAYOUT

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

1100 W. 116th Ave.  
P.O. Box 33895  
Denver, Colorado 80233  
303-452-6111

UPDATED BY: TCOLEMAN 3/30/2023 9:58 AM Contract: S1172-A-01-SHEETS.dwg

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No. Date Dwn. Appr. Revision

M.F.

Dwg. No. Mgr. Reference Drawings

**TRI-STATE**  
Generation and Transmission Association, Inc.  
A Touchstone Energy Cooperative

Dwn: TMC Date: 3/30/23

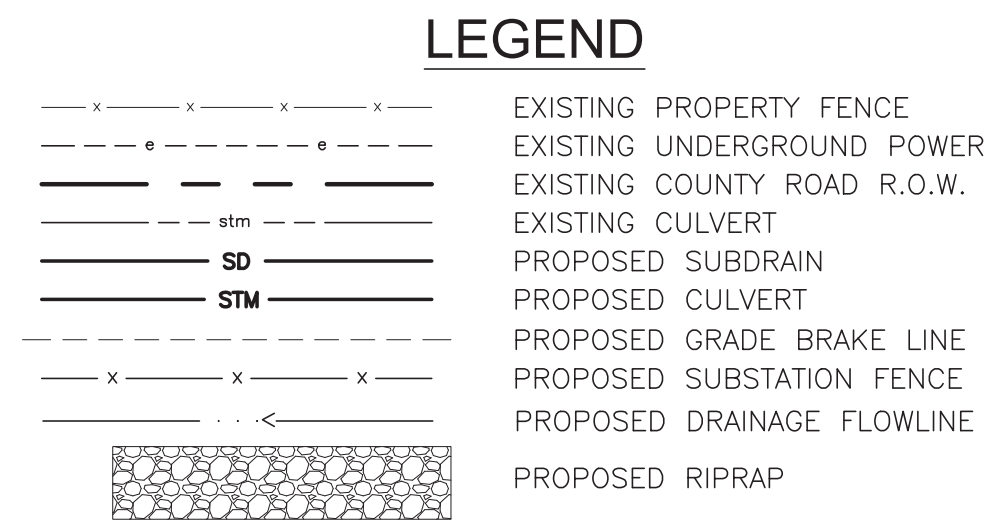
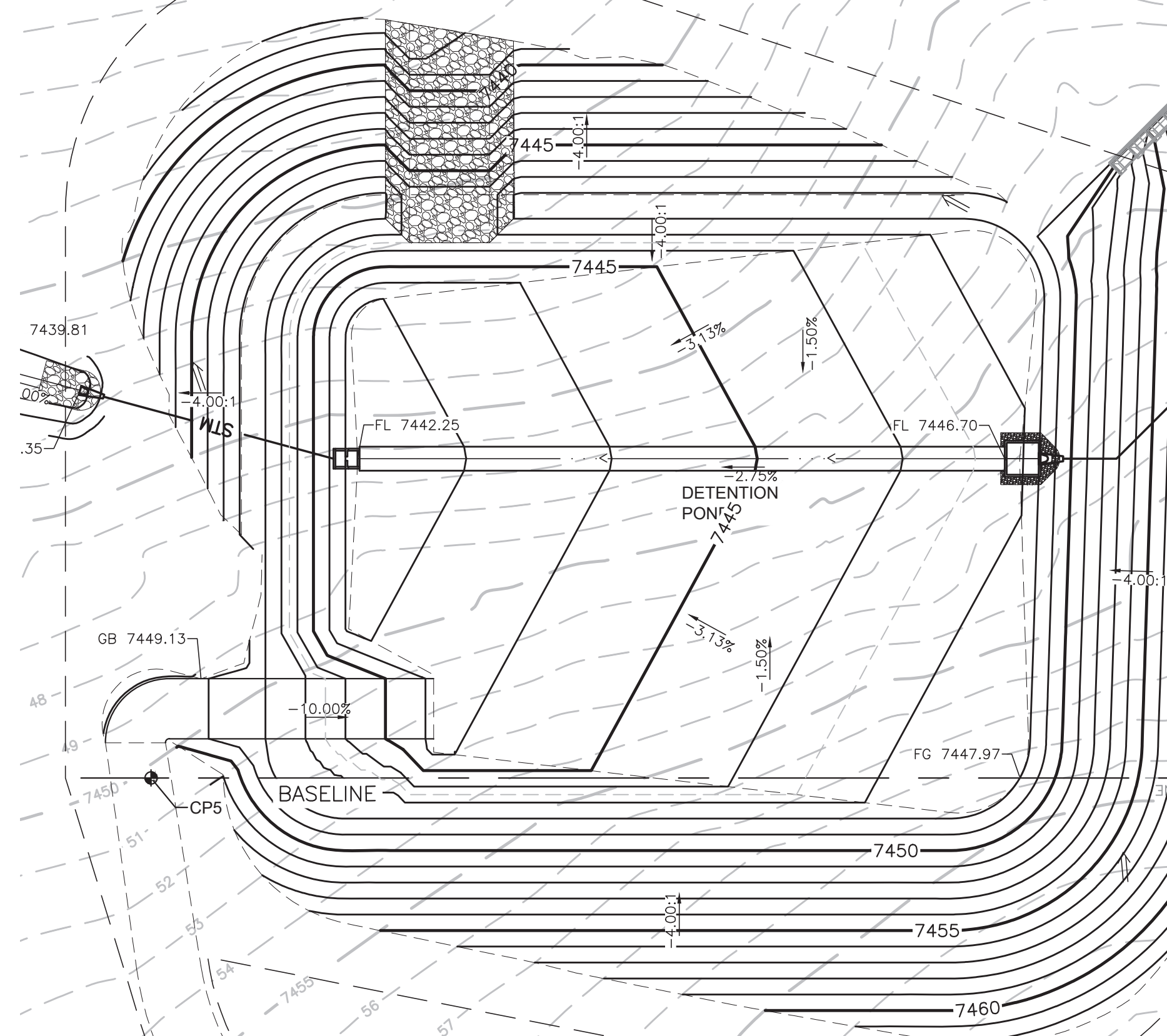
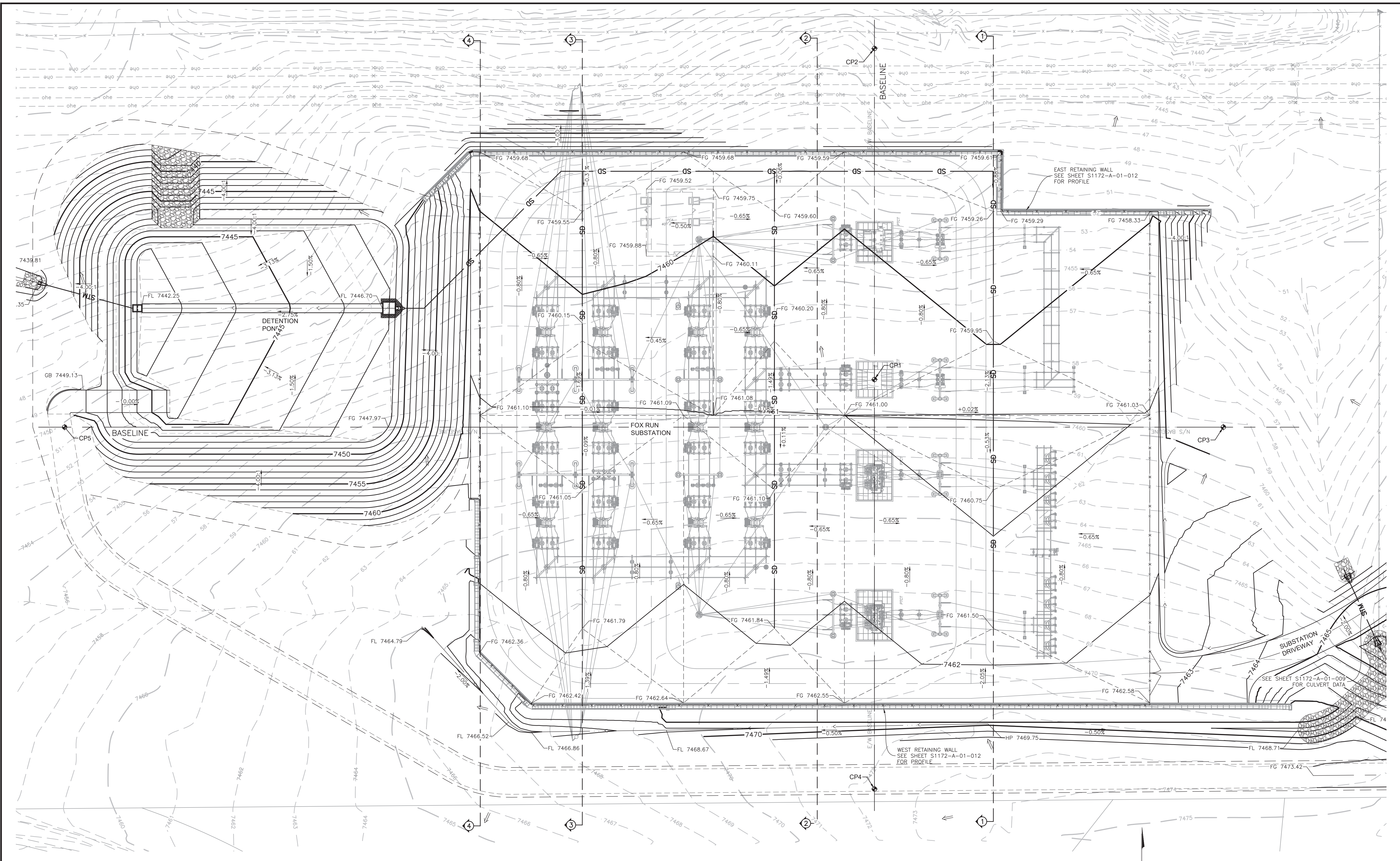
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EPC 4/13/23

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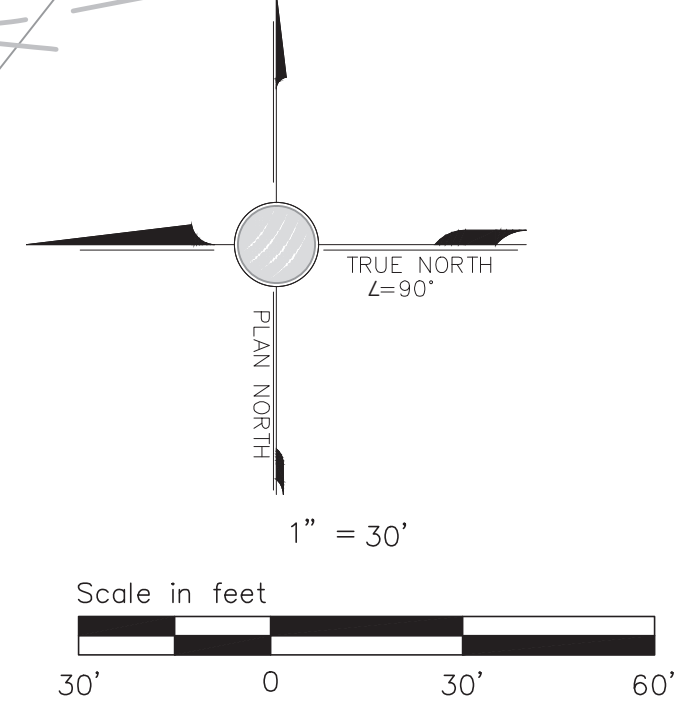
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5005	CP5	1456175.92	3204048.98

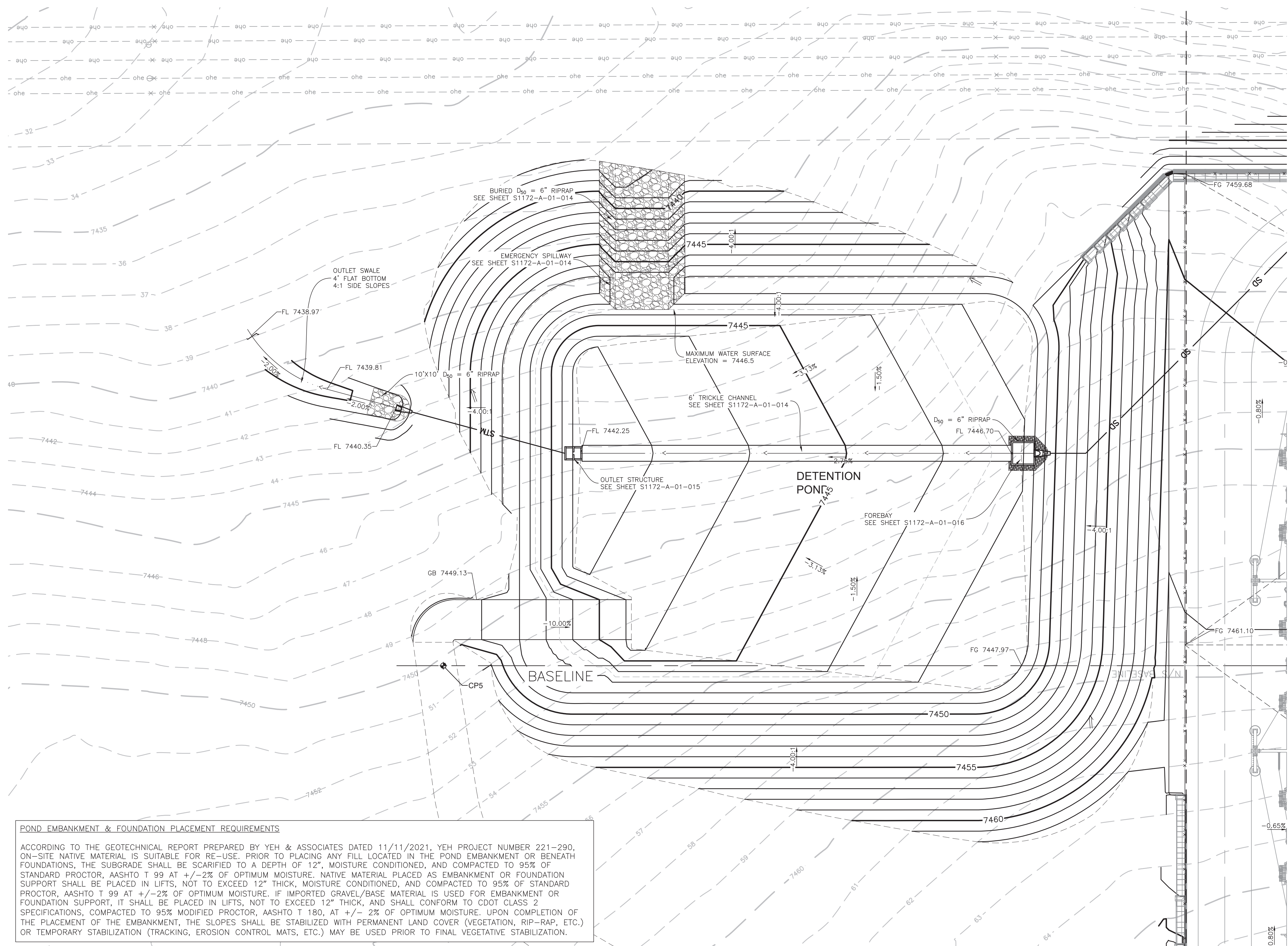


<b>FOX RUN SUBSTATION</b>		<b>GRADING PLAN</b>	
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED			
1100 W. 116th Ave. P.O. Box 338905 Denver, Colorado 80233		Contract: 3/20/2023 9:58 AM	
Dwg. No. 51172-A-01-006		M.F.	
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Dwg. Title		Revision	
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Dwn.		Appd.	
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6		Date	
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3		Date	
2		Date	
1		Date	

**TRI-STATE**  
Generation and Transmission Association, Inc.  
A Touchstone Energy Cooperative  
1100 W. 116th Ave.  
P.O. Box 338905  
Denver, Colorado 80233  
303-452-6111

Dwn: TMC Date: 3/30/23  
Appd: Date:

**BID SET**  
EPC 4/13/23  
PCD File No. PPR2244



**POND EMBANKMENT & FOUNDATION PLACEMENT REQUIREMENTS**

ACCORDING TO THE GEOTECHNICAL REPORT PREPARED BY YEH & ASSOCIATES DATED 11/11/2021, YEH PROJECT NUMBER 221-290, ON-SITE NATIVE MATERIAL IS SUITABLE FOR RE-USE. PRIOR TO PLACING ANY FILL LOCATED IN THE POND EMBANKMENT OR BENEATH FOUNDATIONS, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF 12", MOISTURE CONDITIONED, AND COMPACTED TO 95% OF STANDARD PROCTOR, AASHTO T 99 AT +/-2% OF OPTIMUM MOISTURE. NATIVE MATERIAL PLACED AS EMBANKMENT OR FOUNDATION SUPPORT SHALL BE PLACED IN LIFTS, NOT TO EXCEED 12" THICK, MOISTURE CONDITIONED, AND COMPACTED TO 95% OF STANDARD PROCTOR, AASHTO T 99 AT +/-2% OF OPTIMUM MOISTURE. IF IMPORTED GRAVEL/BASE MATERIAL IS USED FOR EMBANKMENT OR FOUNDATION SUPPORT, IT SHALL BE PLACED IN LIFTS, NOT TO EXCEED 12" THICK, AND SHALL CONFORM TO CDOT CLASS 2 SPECIFICATIONS, COMPACTED TO 95% MODIFIED PROCTOR, AASHTO T 180, AT +/- 2% OF OPTIMUM MOISTURE. UPON COMPLETION OF THE PLACEMENT OF THE EMBANKMENT, THE SLOPES SHALL BE STABILIZED WITH PERMANENT LAND COVER (VEGETATION, RIP-RAP, ETC.) OR TEMPORARY STABILIZATION (TRACKING, EROSION CONTROL MATS, ETC.) MAY BE USED PRIOR TO FINAL VEGETATIVE STABILIZATION.

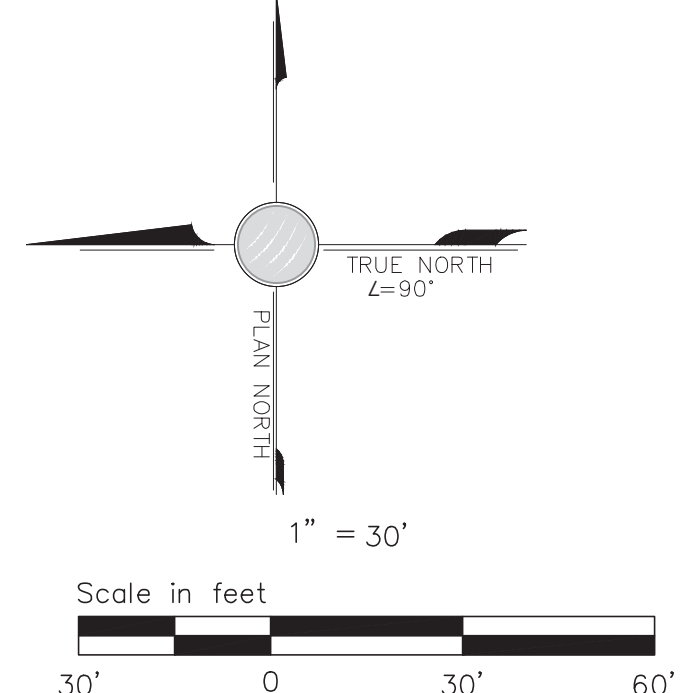
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	PROPOSED RIPRAP

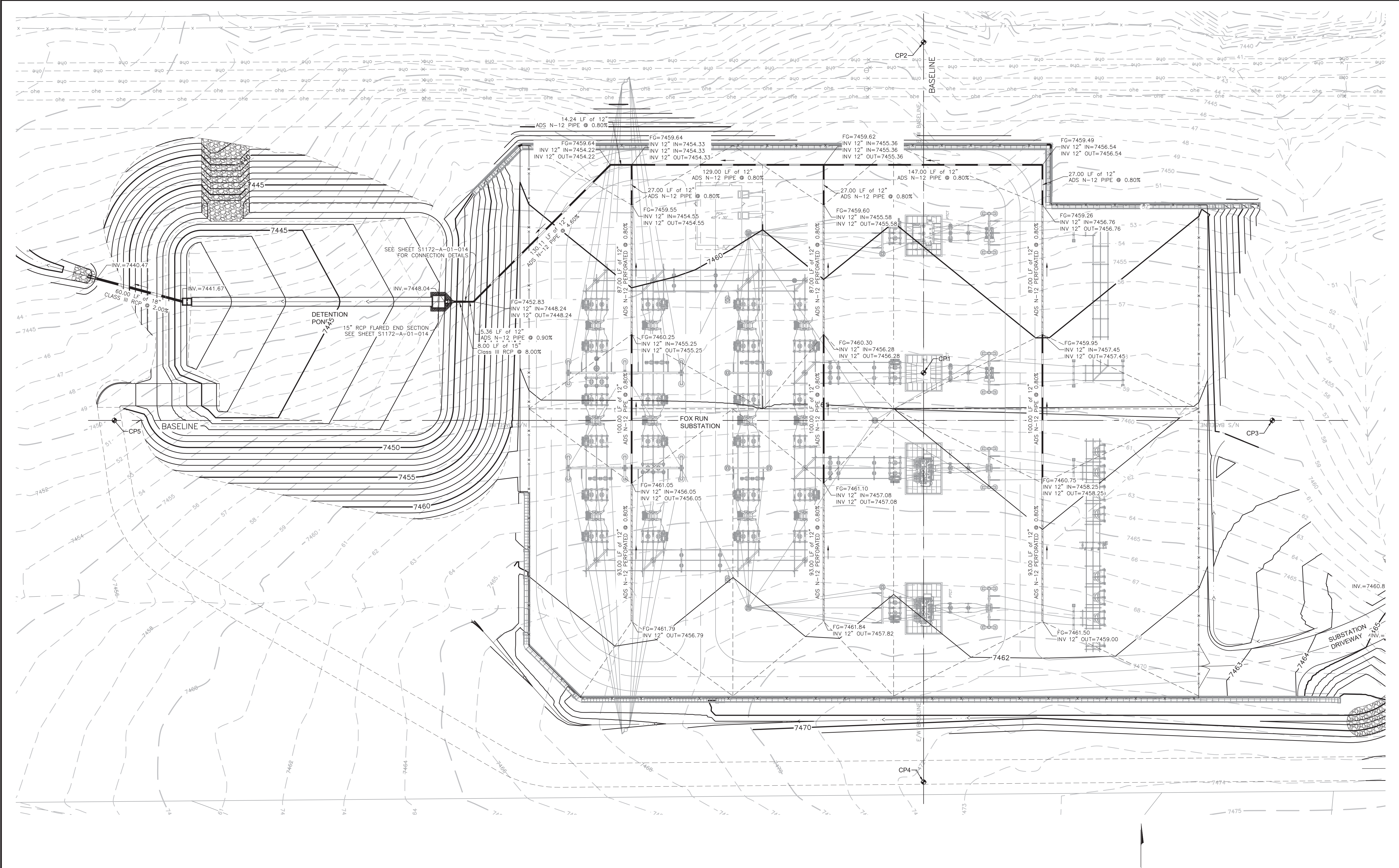
- NOTE:**
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<b>FOX RUN SUBSTATION</b>		<b>DETENTION POND GRADING</b>  TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED <small>UPDATED BY: TC/LEMIT 3/30/2023 9:58 AM Contract: 1100 W. 116th Ave. P.O. Box 33895 Denver, Colorado 80233 303-452-6111</small>	No.	Date	Dwn.	Appd.	Revision	M.F.		
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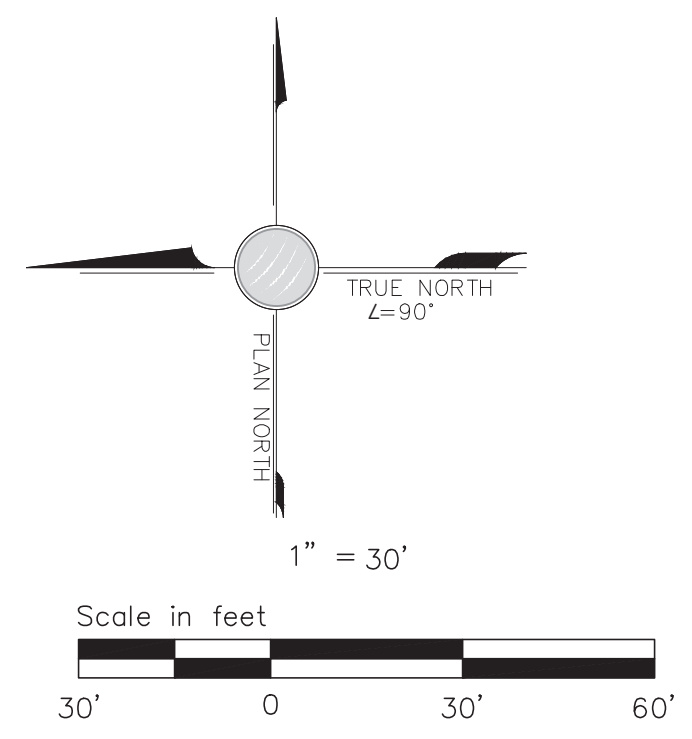
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- EXISTING PROPERTY FENCE
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- EXISTING CULVERT
- PROPOSED SUBDRAIN
- PROPOSED CULVERT
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- PROPOSED SWITCHYARD SECURITY FENCE
- PROPOSED DRAINAGE FLOWLINE
- PROPOSED RIPRAP

**NOTE:**

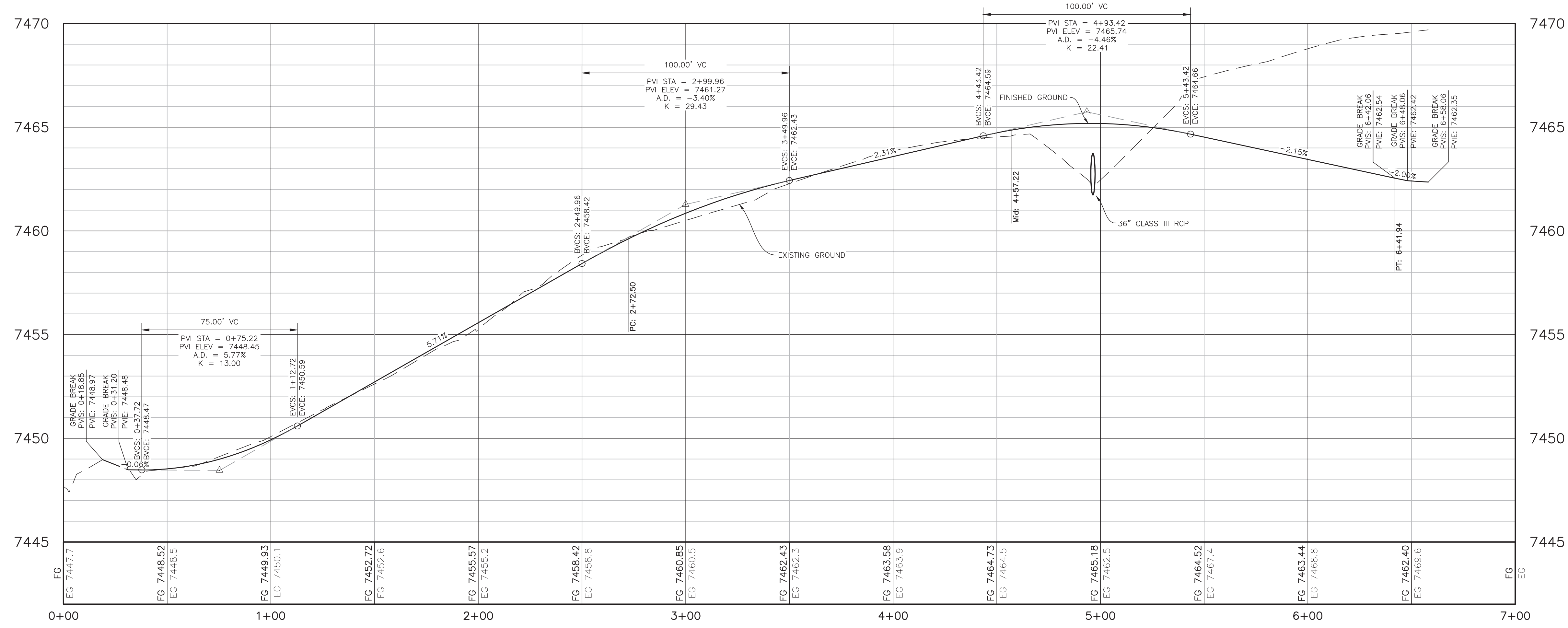
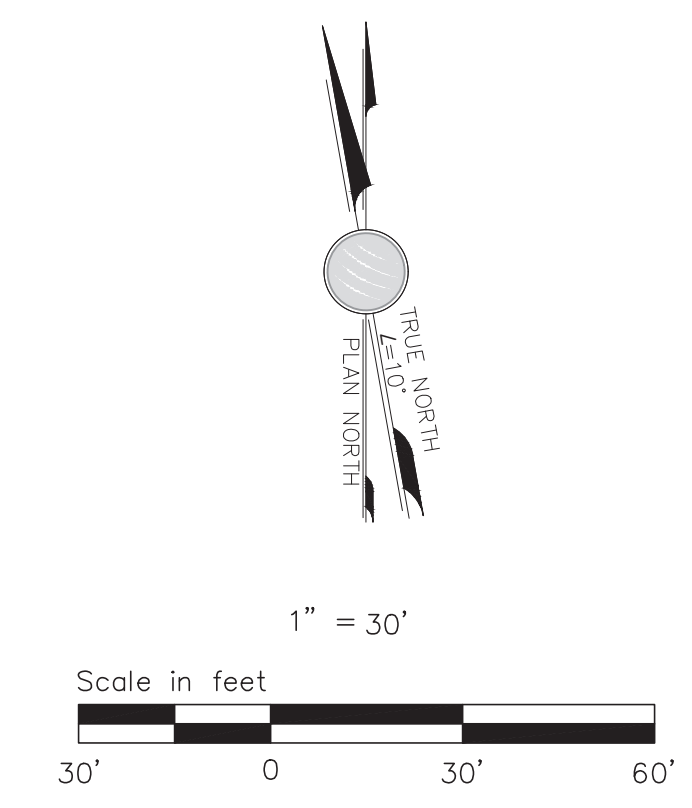
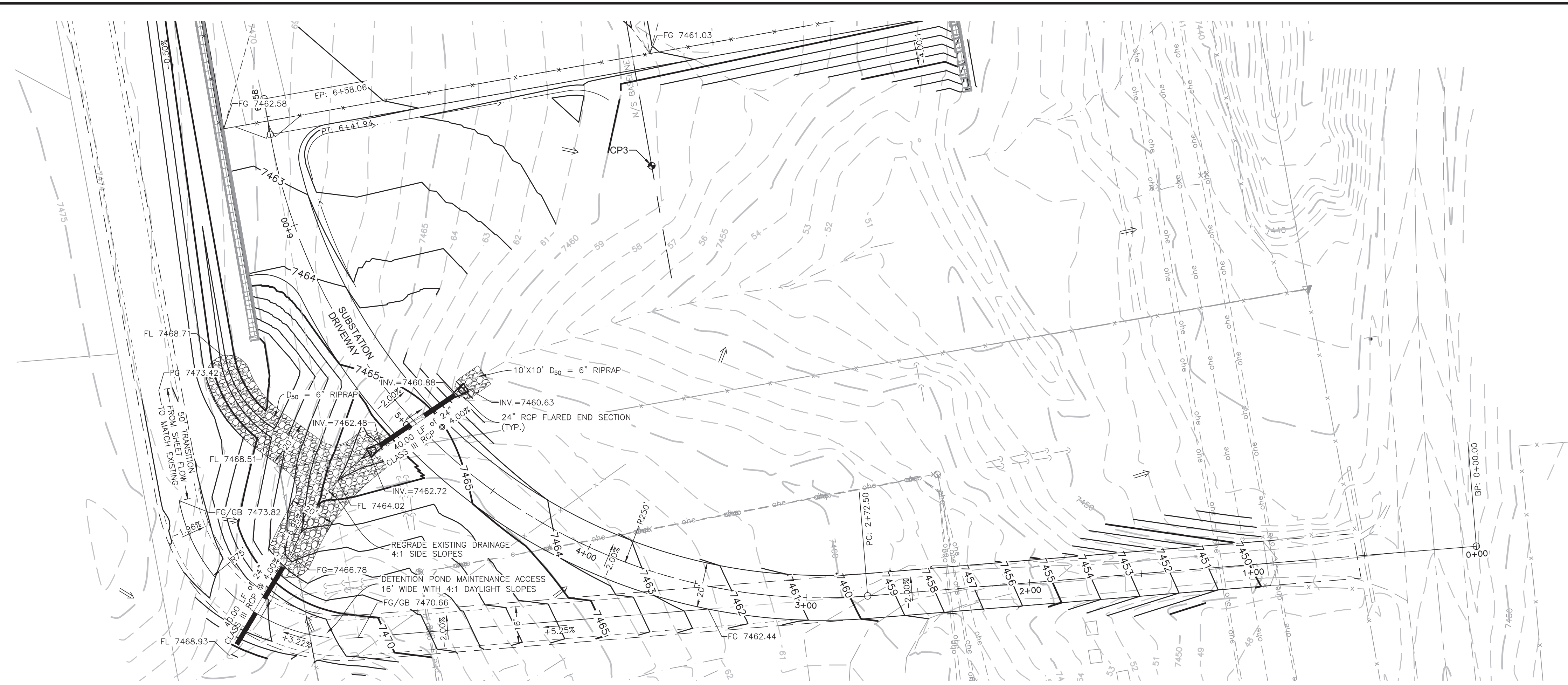
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<b>FOX RUN SUBSTATION</b>		SUBDRAIN PLAN
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED 1100 W. 116th Ave. P.O. Box 338905 Denver, Colorado 80233 303-452-6111		
Dwn: TMC Appd: _____		Date: 3/30/23 Date: _____
EPC 4/13/23		<b>BID SET</b> PCD File No. PPR2244





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

**FOX RUN SUBSTATION**  
**SUBSTATION DRIVEWAY**  
**PLAN & PROFILE**

TRI-STATE GENERATION & TRANSMISSION  
 ASSOCIATION, INCORPORATED

Contract: 3/20/2023 9:58 AM  
 Updated by: TC/EMT  
 Path: \\DMS14\Projects\Active Projects\2021\21036-1857-Monument Sub Survey & Civil\Facility\Civil\Sheets\1172-A-01-SHEETS.dwg

**TRI-STATE**  
 Generation and Transmission  
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 A Touchstone Energy Cooperative  
 1100 W. 116th Ave.  
 P.O. Box 338935  
 Denver, Colorado 80233  
 303-452-6111

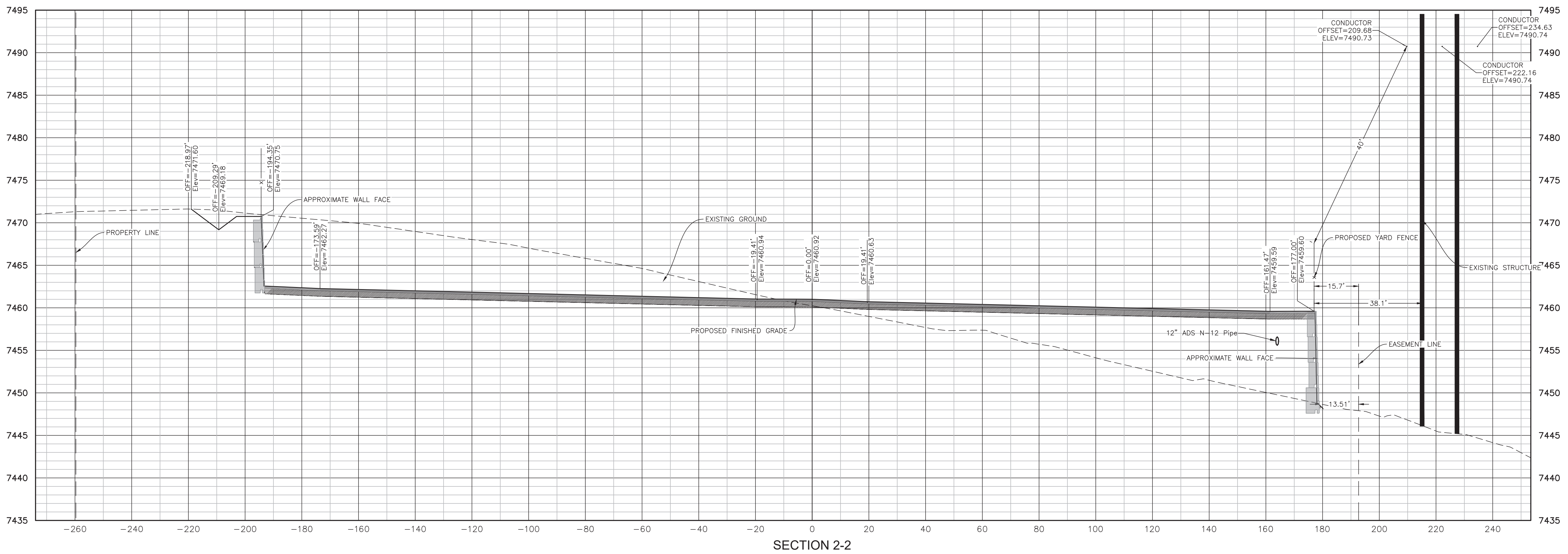
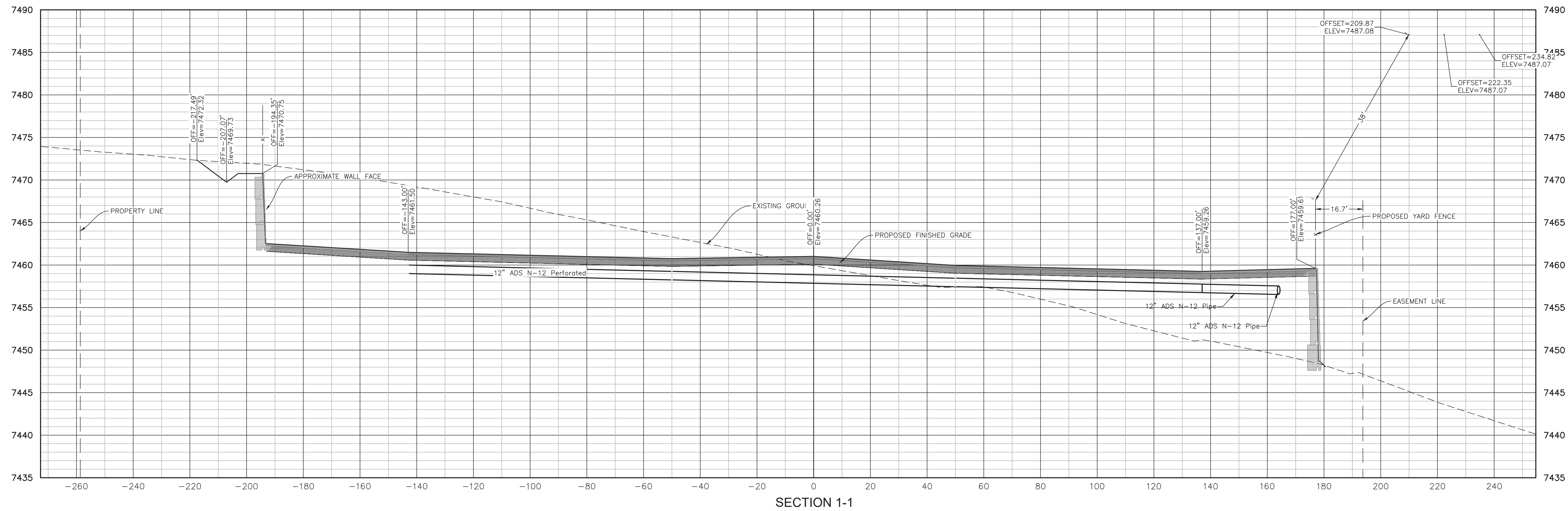
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 47786  
**Kent Alley**  
 PROFESSIONAL ENGINEER

Dwn: TMC Date: 3/30/23  
 Appd: Date:

EPC 4/13/23

**BID SET**

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 PCD File No. PPR2244

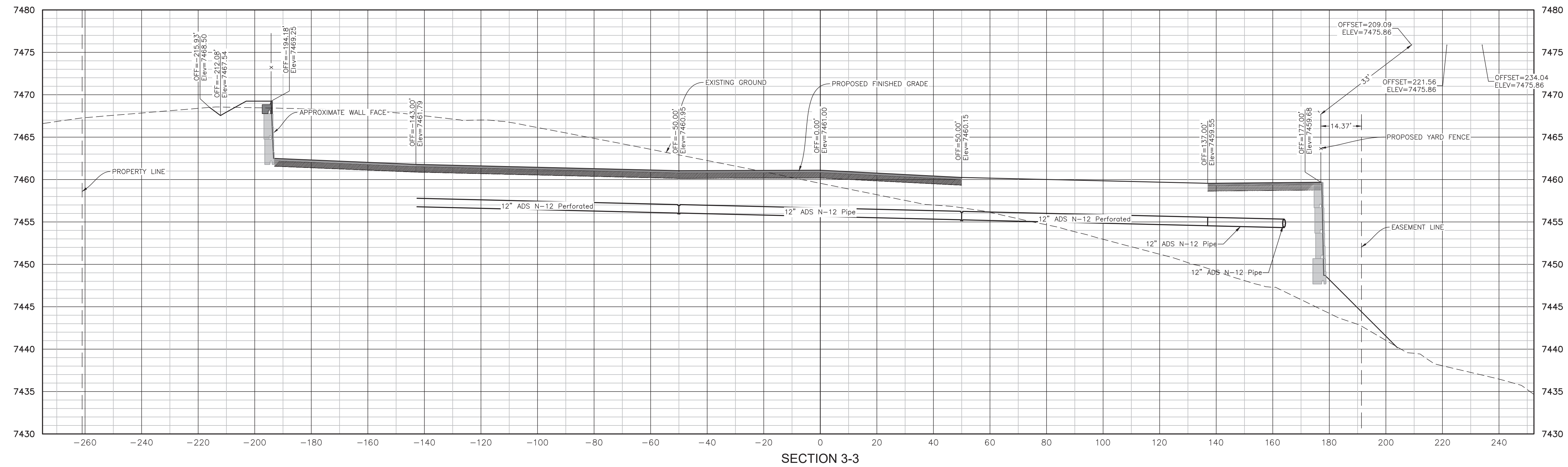


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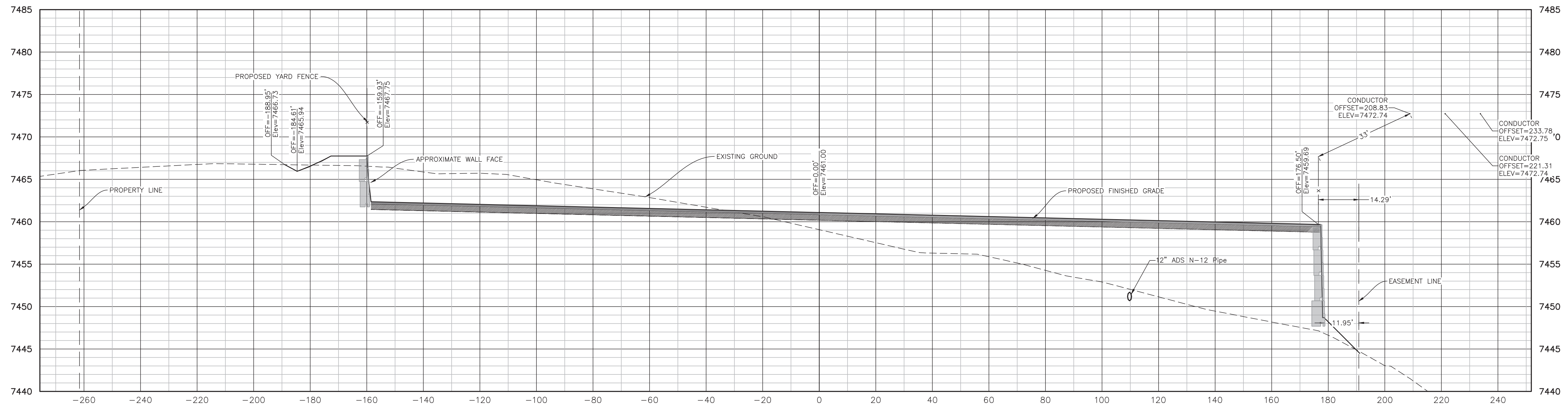


<p>1100 W. 116th Ave. P.O. Box 338935 Denver, Colorado 80233 303-452-6111</p>		<p>FOX RUN SUBSTATION YARD SECTIONS</p> <p>TRI-STATE GENERATION &amp; TRANSMISSION ASSOCIATION, INCORPORATED</p> <p>UPDATED BY: TCLEMENT 3/30/2023 9:58 AM Contract: . . .</p> <p>PATH: \\DMS14\Projects\Active Projects\2021\21036-1857-Monument Sub Survey &amp; Civil\Facility\Civil\Sheets\S1172-A-01-SHEETS.dwg</p>	
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SECTION 3-3



SECTION 4-4

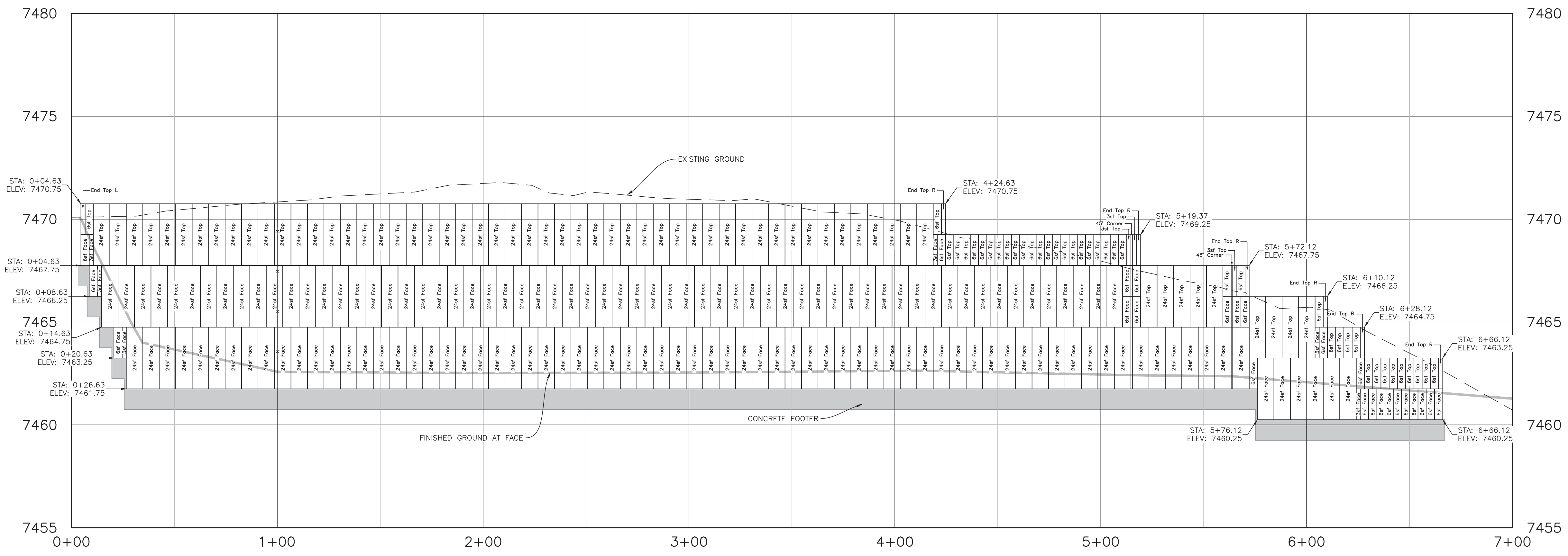
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**FOX RUN SUBSTATION**  
**YARD SECTIONS**  
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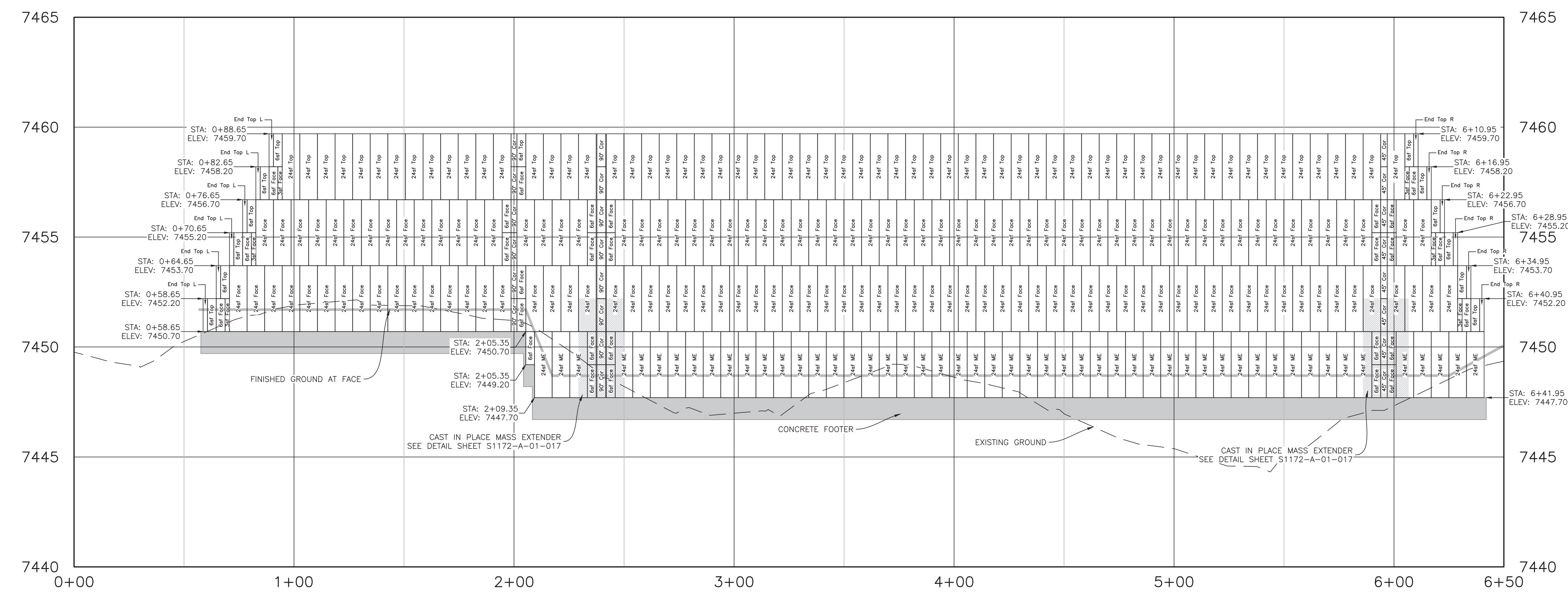
**TRI-STATE**  
 Generation and Transmission Association, Inc.  
 A Touchstone Energy Cooperative  
 1100 W. 116th Ave.  
 P.O. Box 338905  
 Denver, Colorado 80233  
 303-452-6111

Colorado Licensed Professional Engineer  
 47788  
 Kent Albright

Dwn: TMC Date: 3/30/23  
 Appd: Date: . . .



WEST WALL



EAST WALL

STONE STRONG RETAINING WALL SYSTEMS		
LABEL	DESCRIPTION	QTY.
24SF Face	24SF Block	267
24SF Top	24SF Top Block	122
24SF ME	24SF Mass Extender	51
6SF Face	6SF Block	52
6SF Top	6SF Top Block	53
3SF Face	3SF Block	12
3SF Top	3SF Top Block	3
End Top L	End Top Block Left	7
End Top R	End Top Block Right	12
Half DF	Half Dual Face	0
Full DF	Full Dual Face	0
45° COR	45° Corner Block	17
90° COR	90° Corner Block	14

FOX RUN SUBSTATION  
RETAINING WALL PROFILES

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

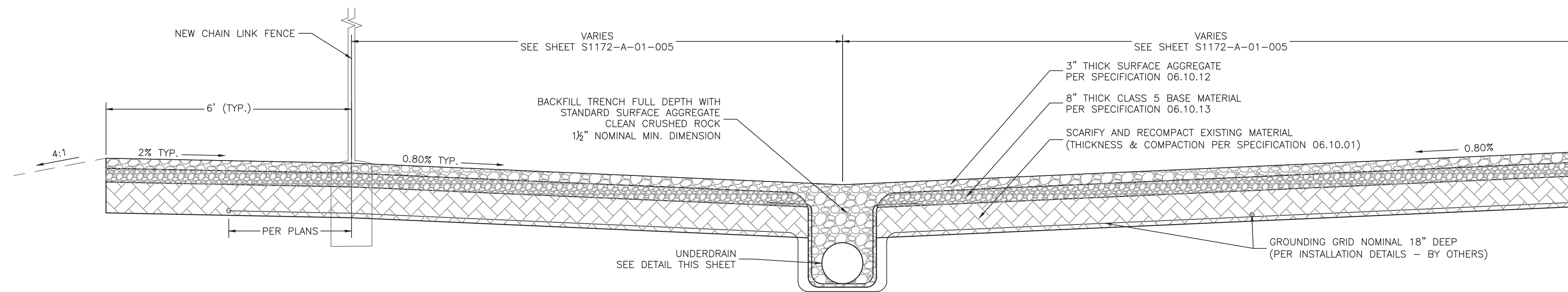
1100 W. 116th Ave.  
P.O. Box 33695  
Denver, Colorado 80233  
303-452-6111



Dwn: TMC Date: 3/30/23  
Appd: Kent Utley Date:

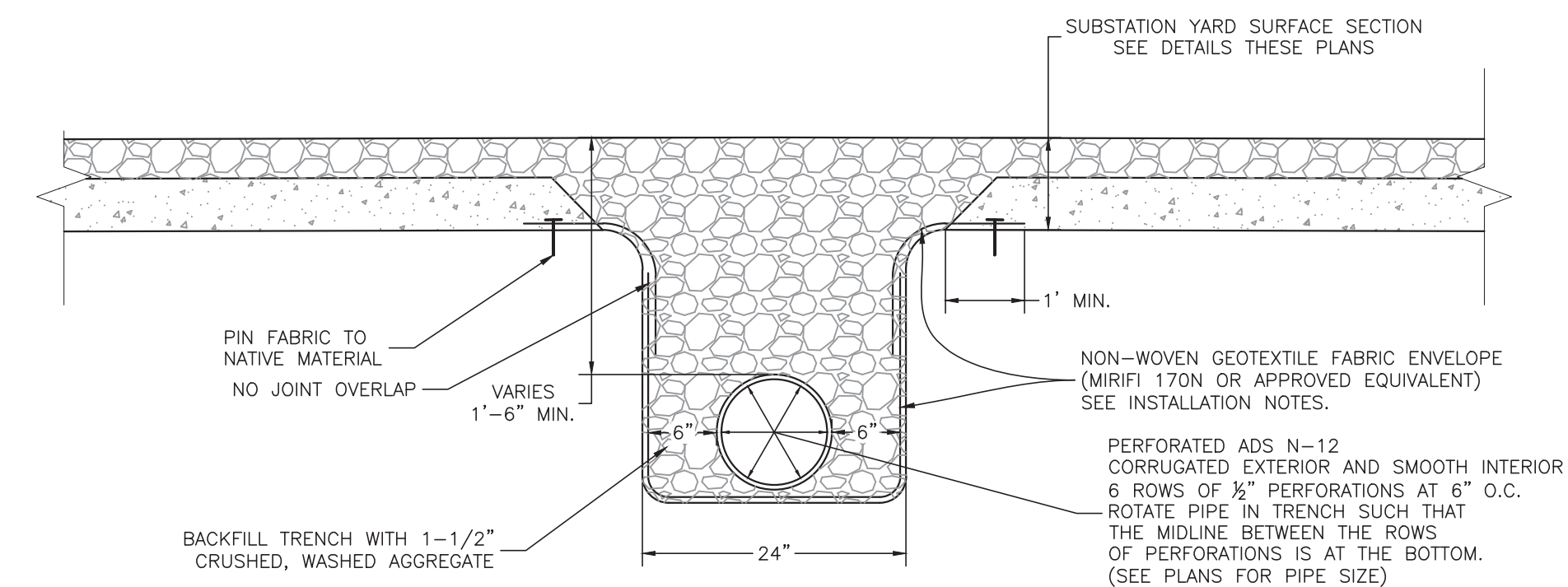
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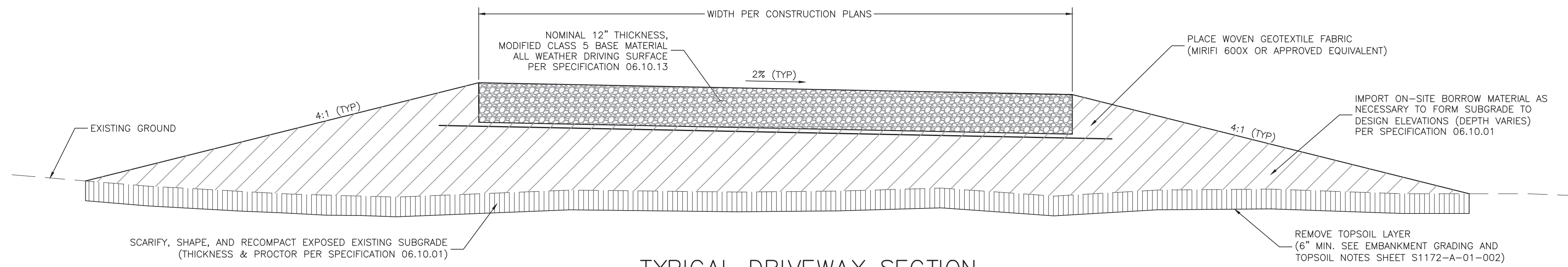


TYPICAL INTERIOR UNDERDRAIN & YARD SECTION  
N.T.S.

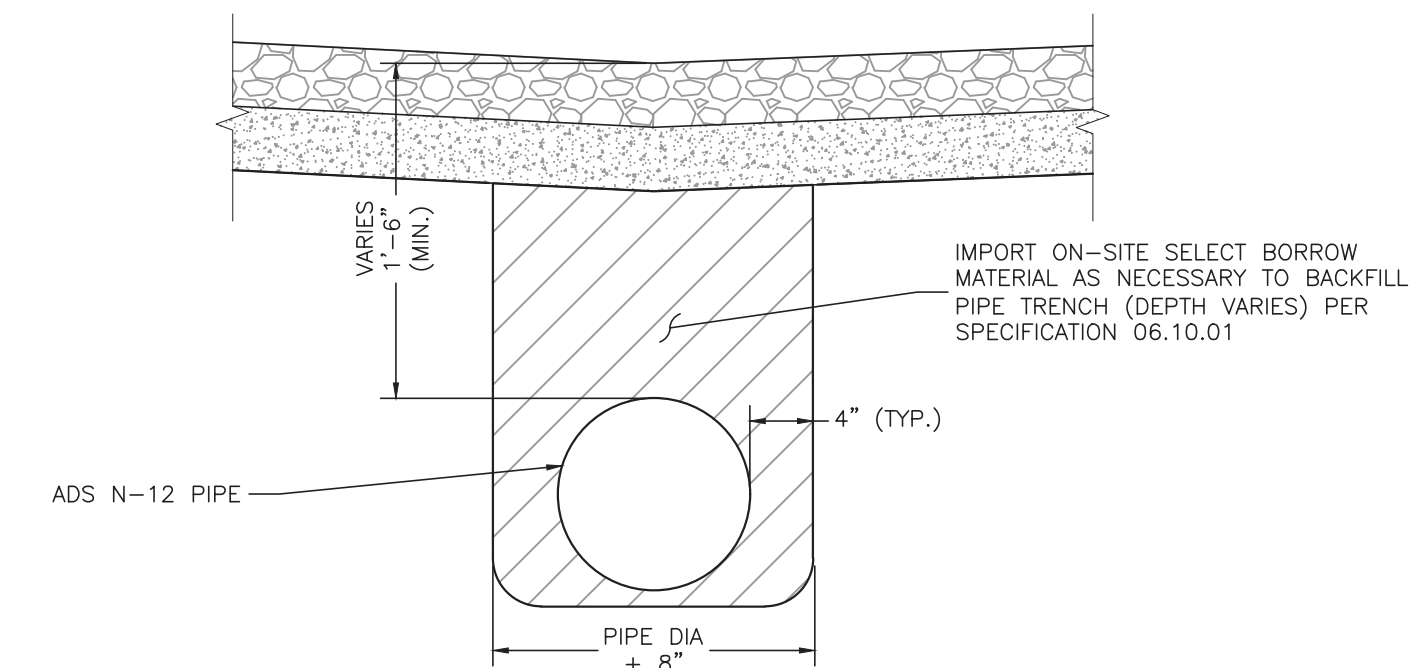
- PIPE, AGGREGATE, & FABRIC INSTALLATION NOTES:
1. LAY FABRIC IN TRENCH PRIOR TO PLACEMENT OF AGGREGATE.
  2. INSTALL PERFORATED PIPE TO DESIGN GRADES WITH PERFORATIONS PER DETAIL.
  3. BACKFILL TO DESIGN SURFACE GRADES AND ELEVATIONS WITH 1/2" CRUSHED AGGREGATE PER SPECIFICATIONS.
  4. ALL BURIED PIPE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



TYPICAL PERFORATED SUBDRAIN DETAIL  
N.T.S.



TYPICAL DRIVEWAY SECTION  
N.T.S.



TYPICAL SOLID SUBDRAIN DRAIN DETAIL  
N.T.S.

Mgr.	Reference Drawings
Dwg. No.	

No.	Date	Dwn.	Appd.	Revision	M.F.
7					
6					
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**FOX RUN SUBSTATION**  
CIVIL DETAILS

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

UPDATED BY: TCLEMENT 3/30/2023 9:58 AM Contract: . . .  
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1100 W. 116th Ave.  
P.O. Box 338905  
Denver, Colorado 80233  
303-452-6111

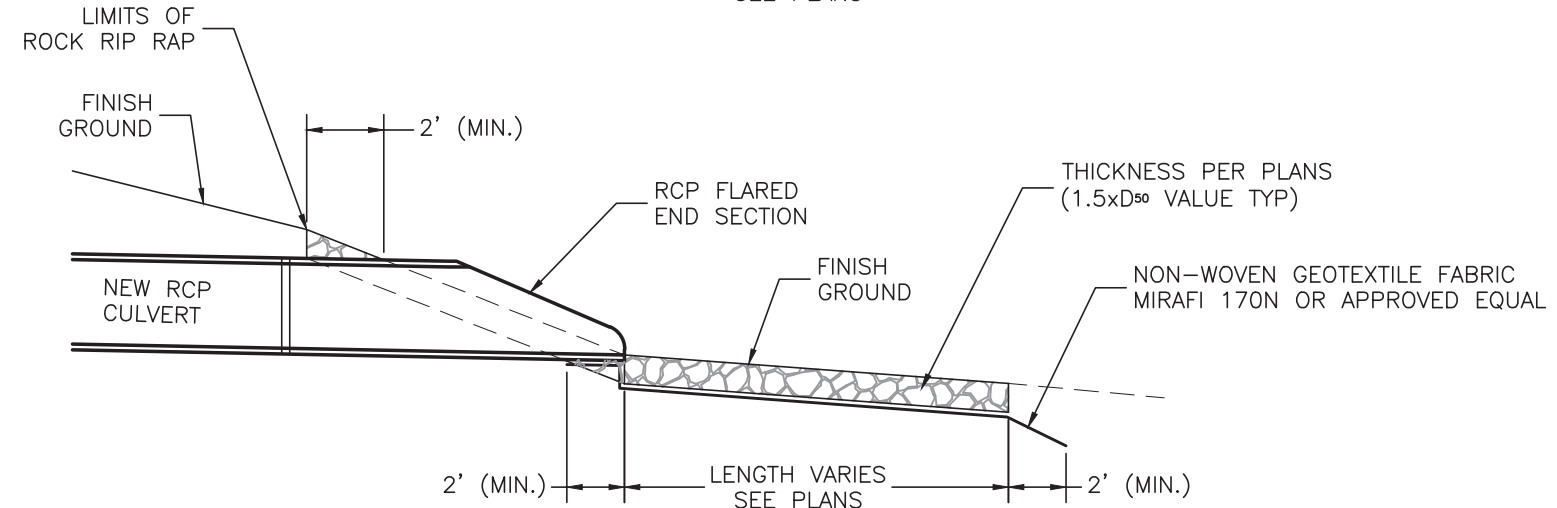
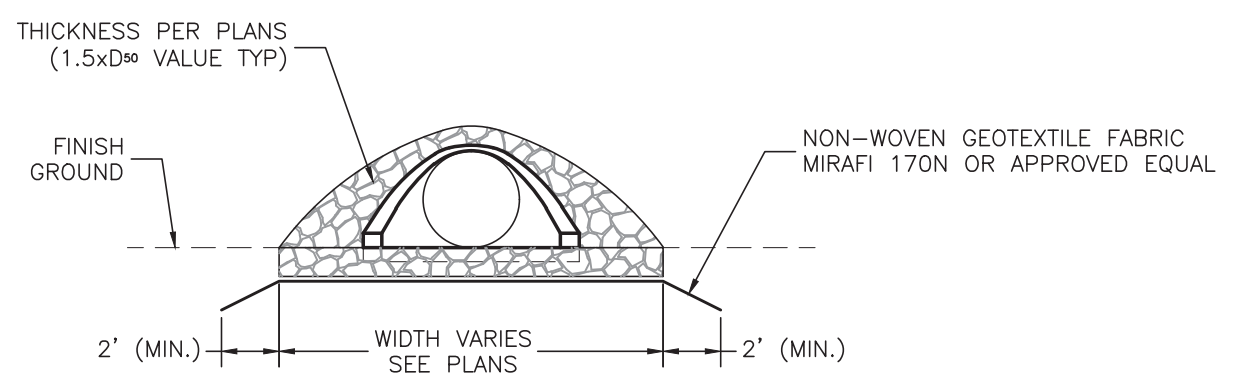
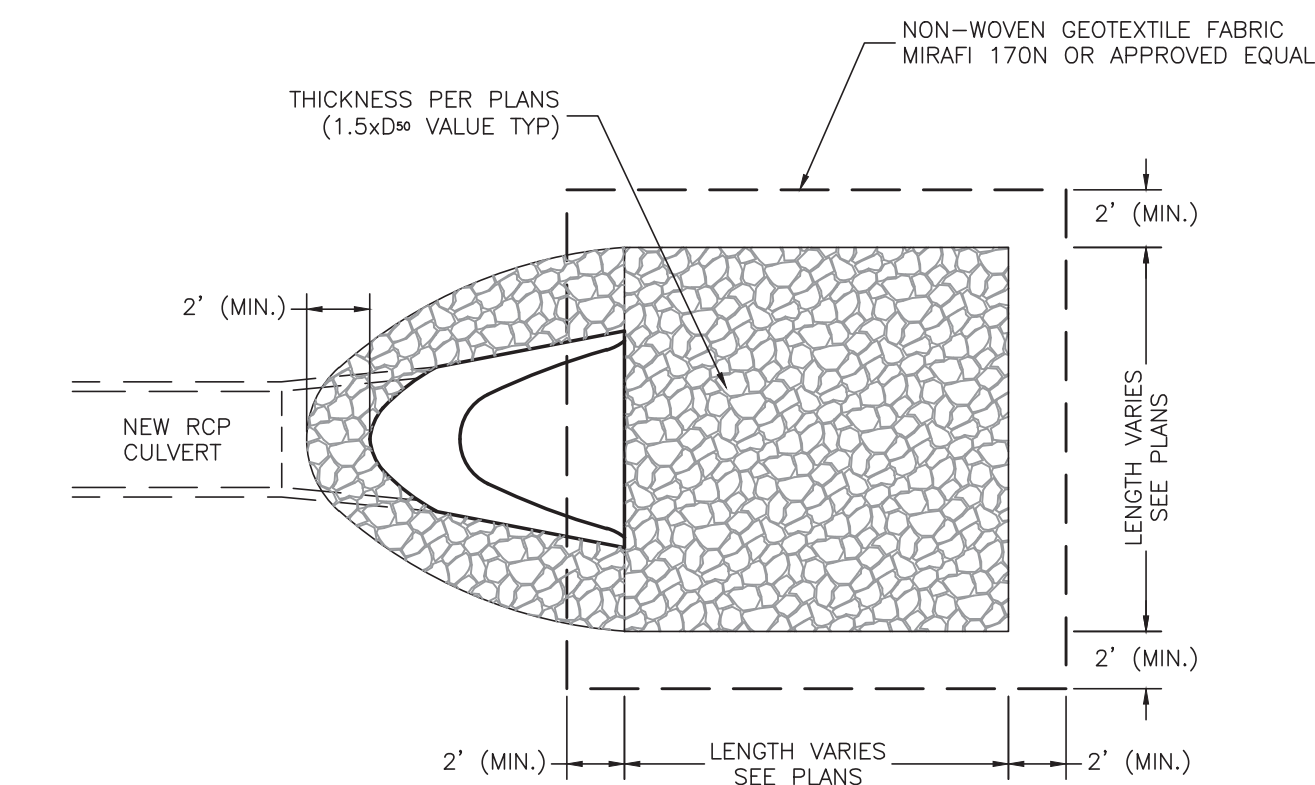


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Appd: Date:

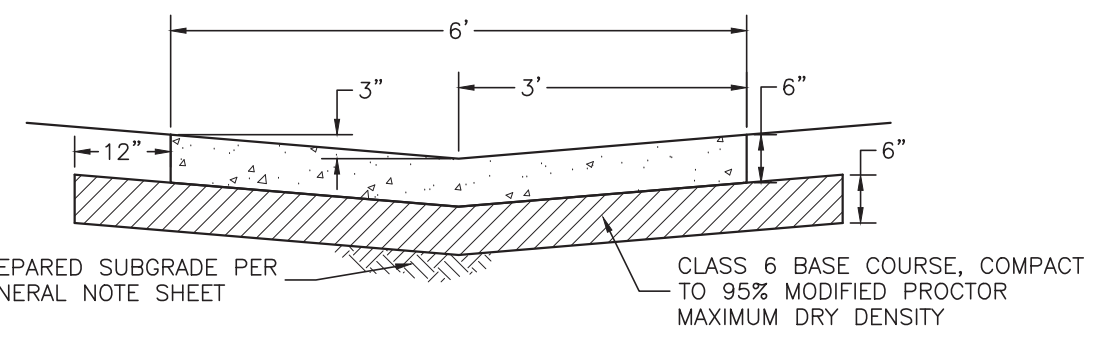
EPC 4/13/23

**BID SET**

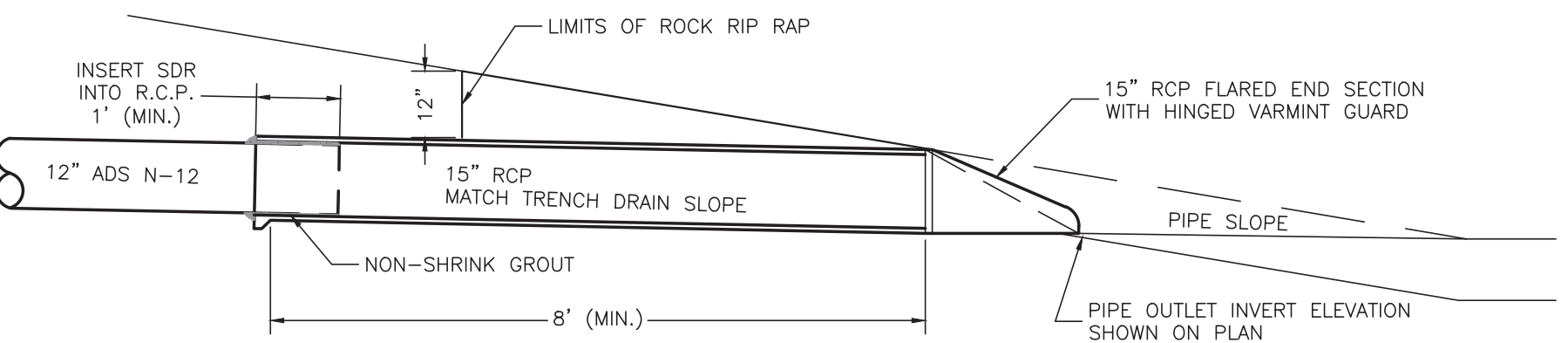
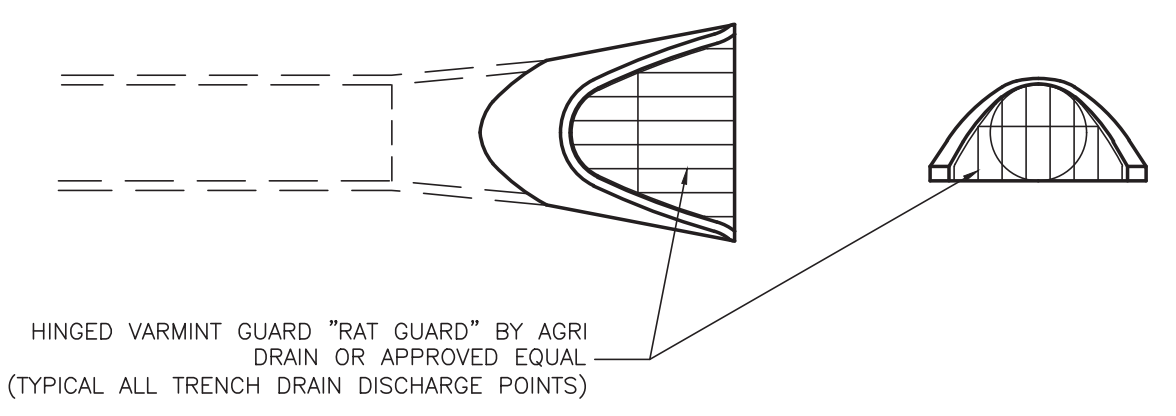
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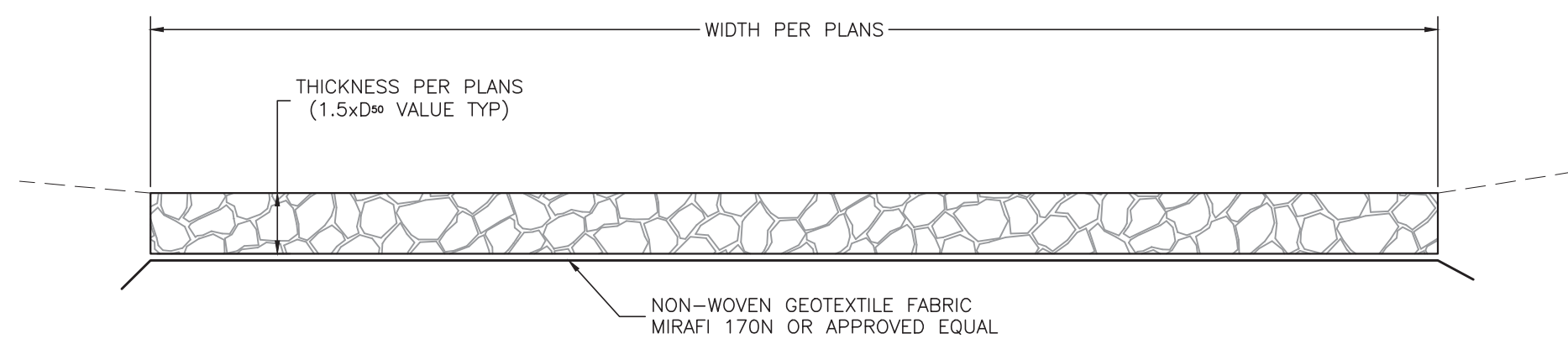
RCP CULVERT OUTLET DETAIL  
N.T.S.



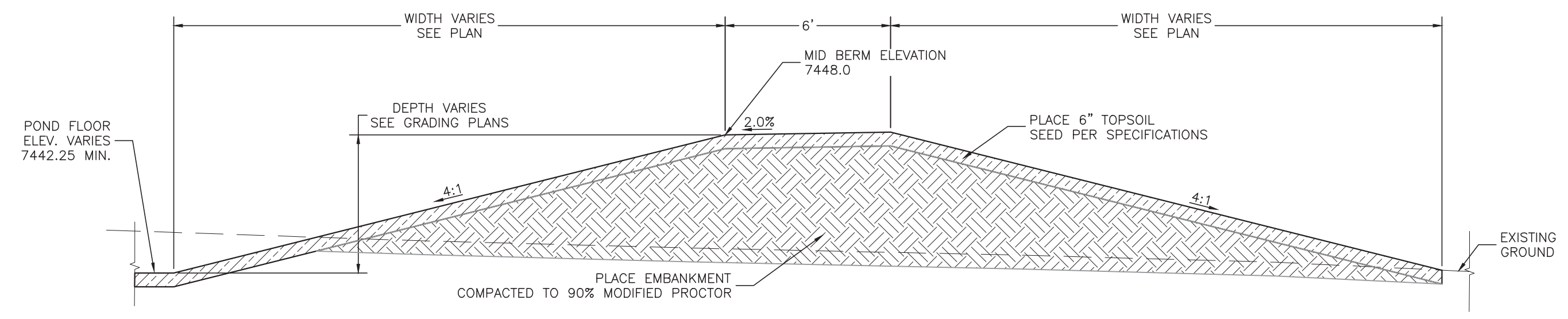
NOTE: TRICKLE CHANNEL TO BE INSTALLED WITH CONTROL JOINTS AT 10 FOOT INCREMENTS  
6' TRICKLE CHANNEL  
N.T.S.



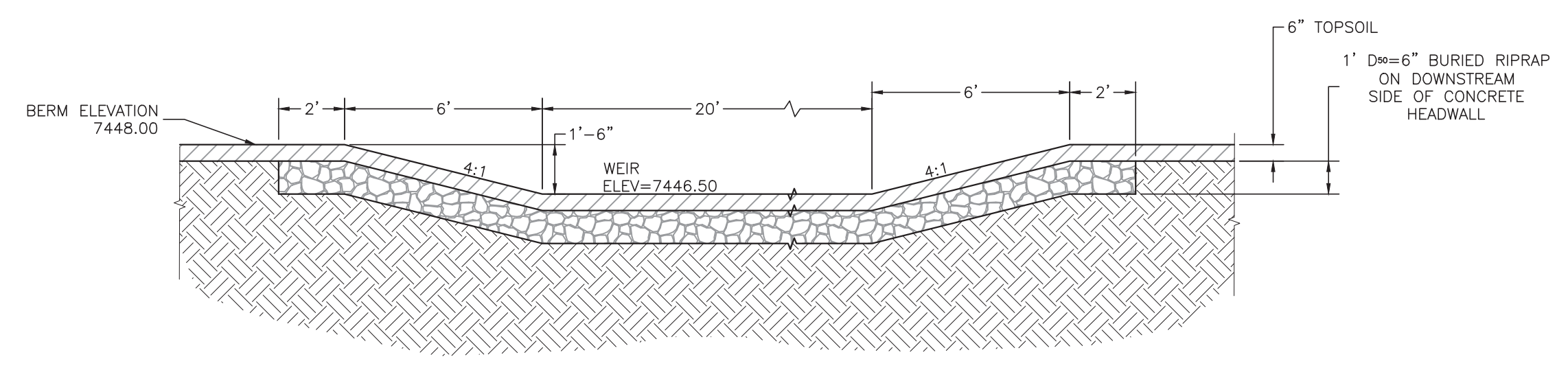
ADS SUBDRAIN OUTLET ASSEMBLY  
N.T.S.



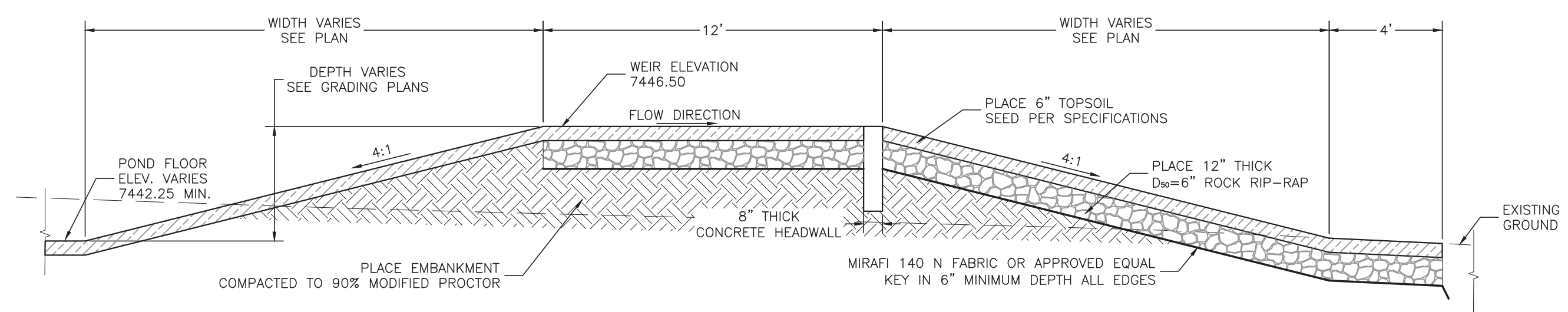
TYPICAL RIP RAP INSTALLATION  
N.T.S.



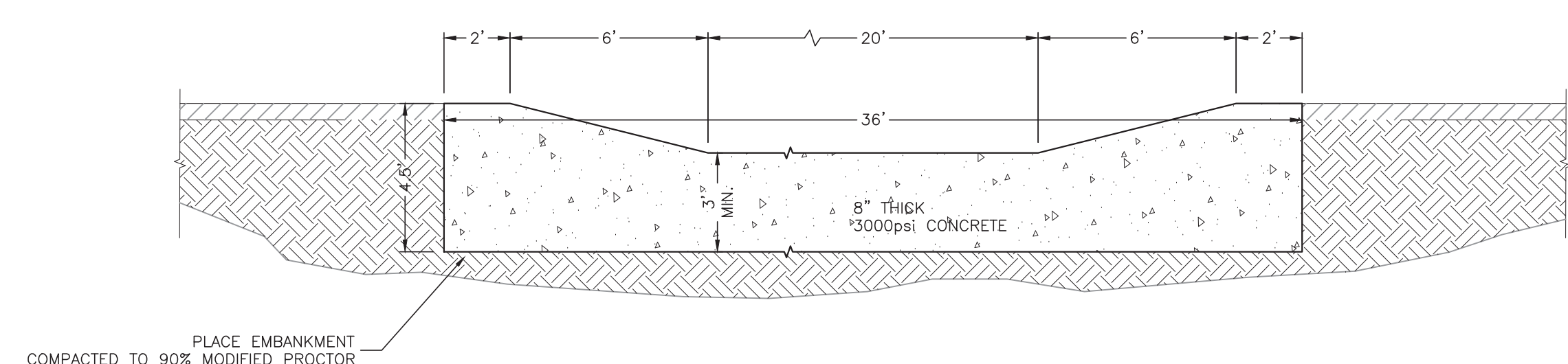
TYPICAL POND BERM SECTION  
N.T.S.



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.

No.	Date	Appd.	Revision	M.F.
7				
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FOX RUN SUBSTATION  
DRAINAGE DETAILS  
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED  
1100 W. 116th Ave.  
P.O. Box 33890  
Denver, Colorado 80233  
303-452-6111  
UPDATED BY: TCLEMENT 3/30/2023 9:58 AM  
Contract: S1172-A-01-SHEETS.dwg

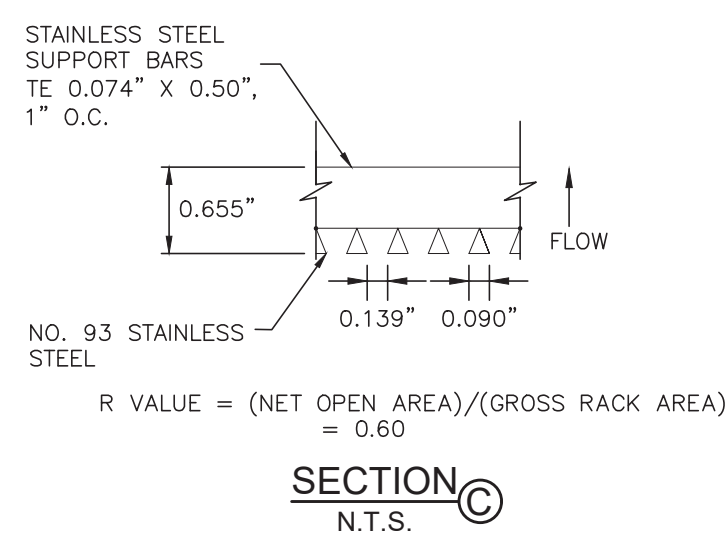
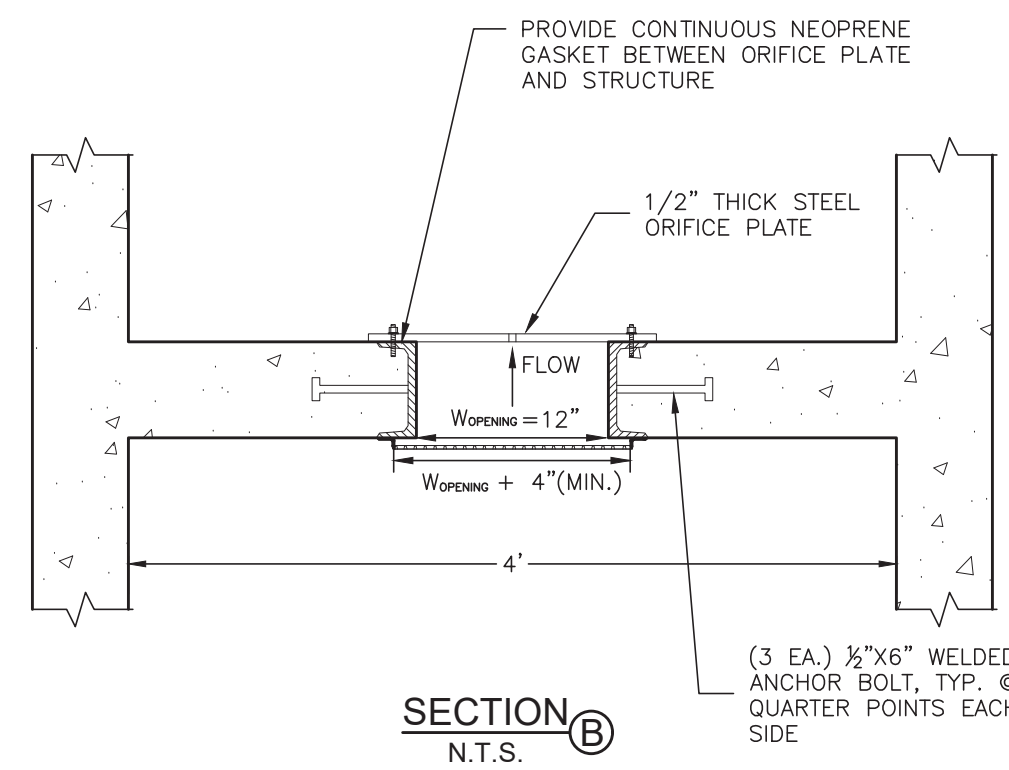
TRI-STATE Generation and Transmission Association, Inc.  
A Touchstone Energy Cooperative  
1100 W. 116th Ave.  
P.O. Box 33890  
Denver, Colorado 80233  
303-452-6111  
Dwn: TMC Date: 3/30/23  
Appd: 47786 Date:



EPC 4/13/23

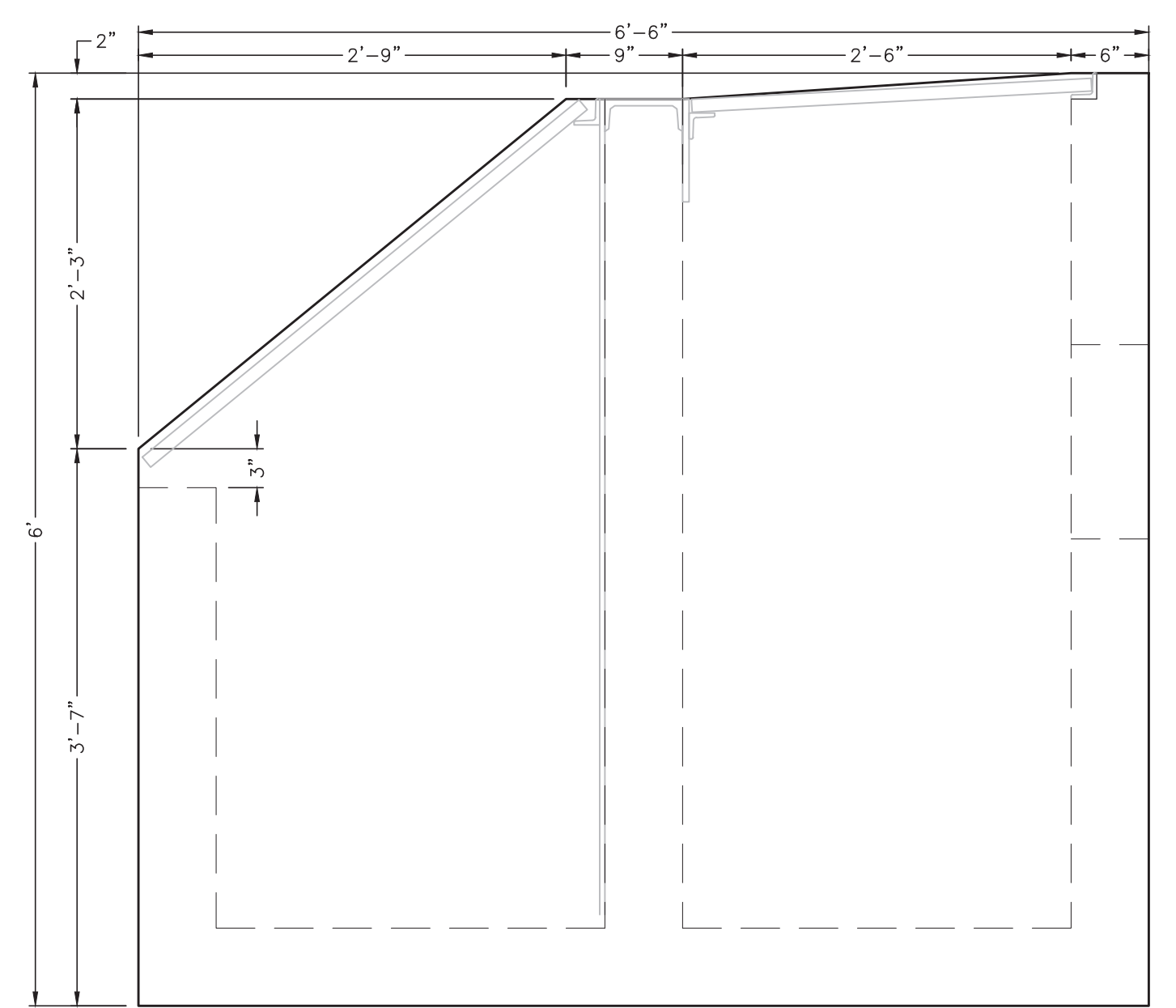
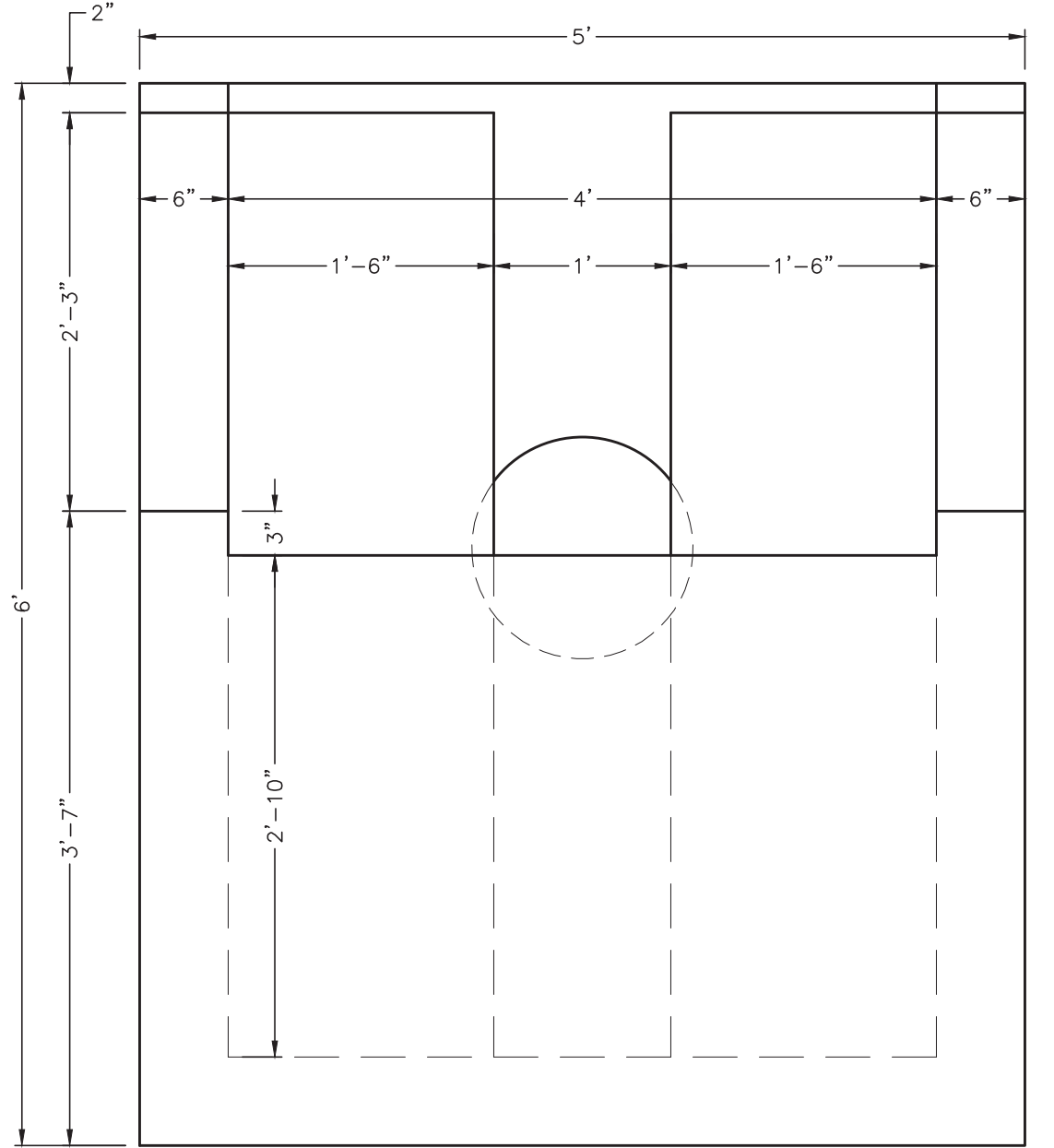
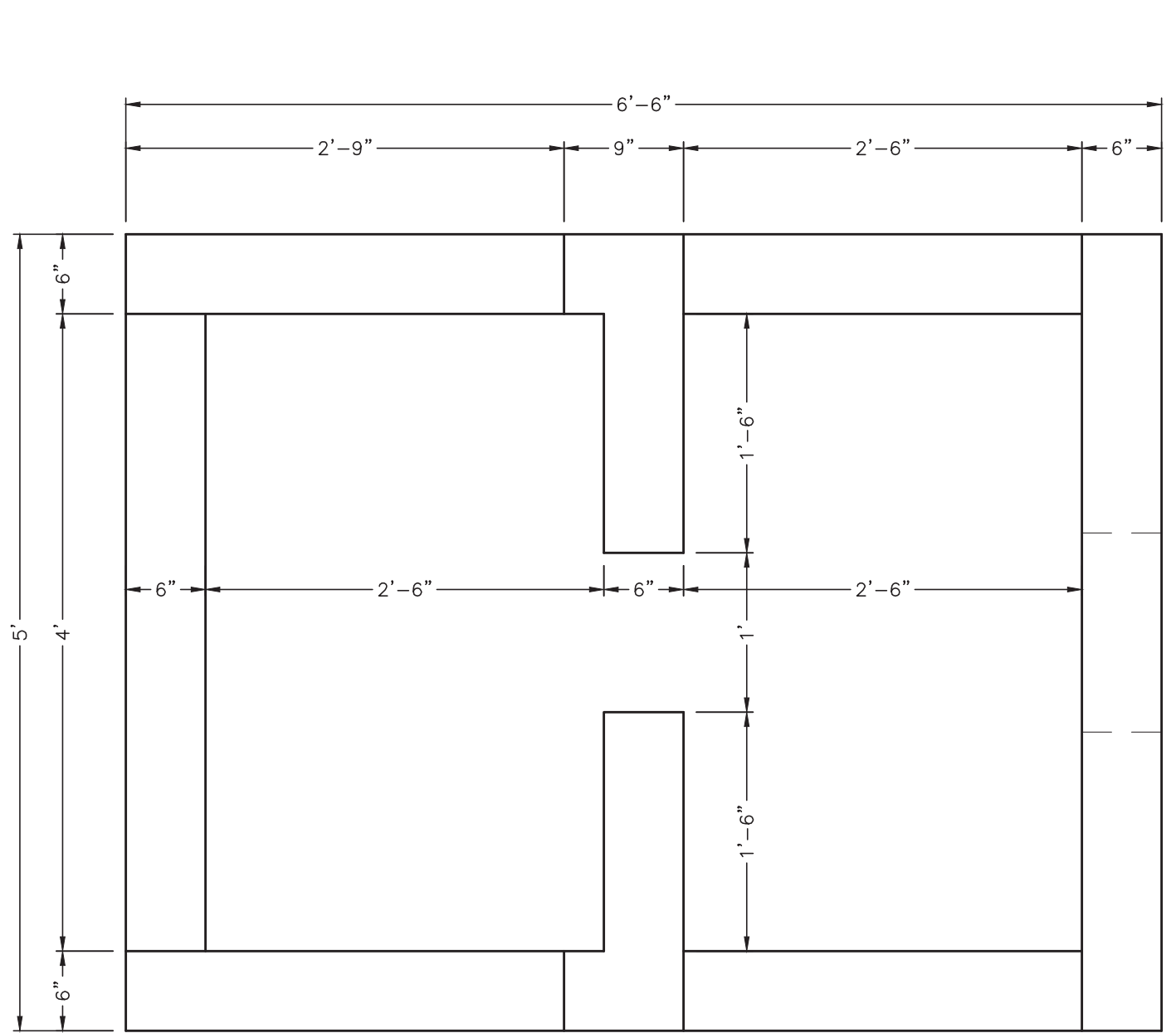
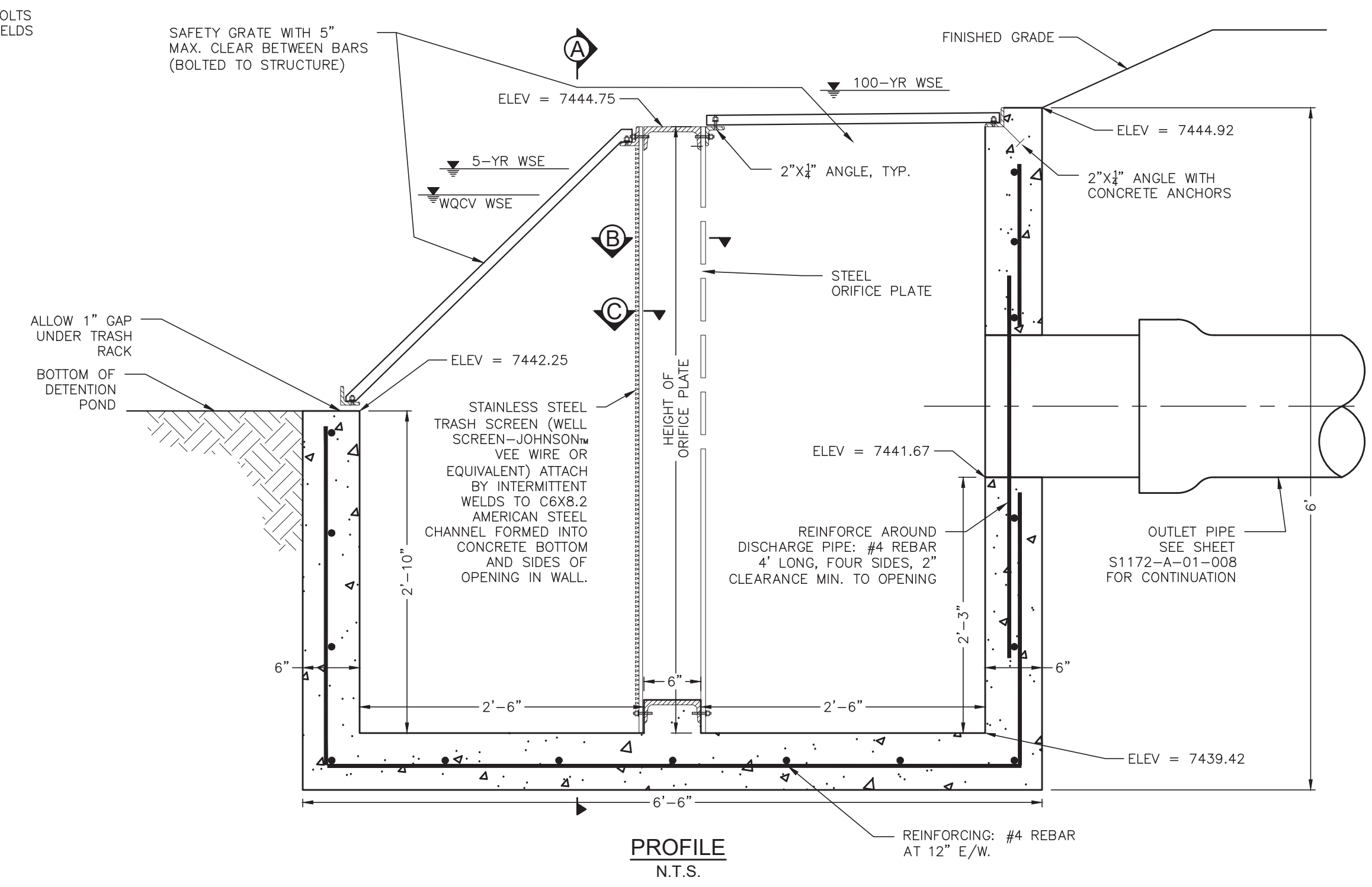
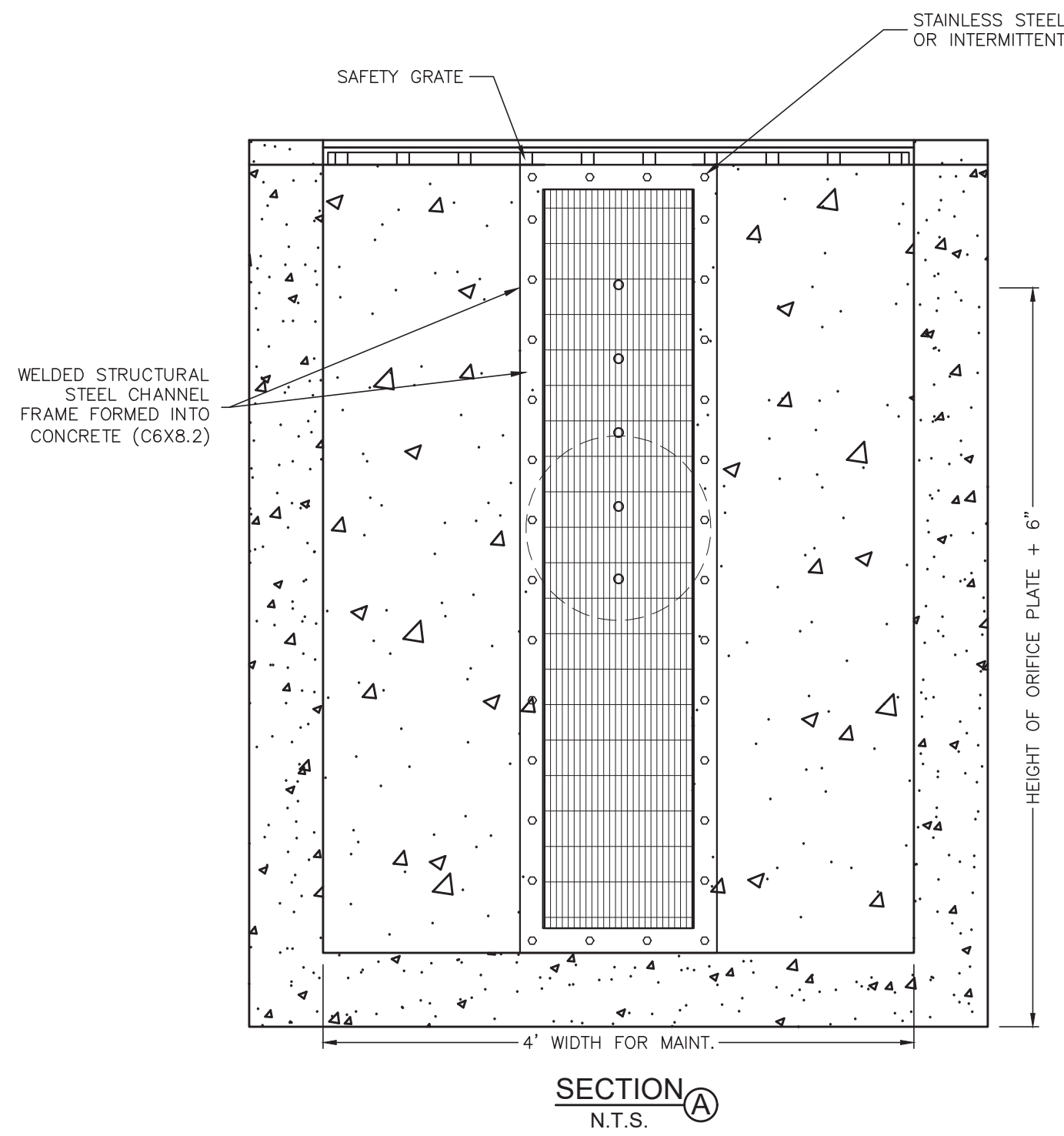
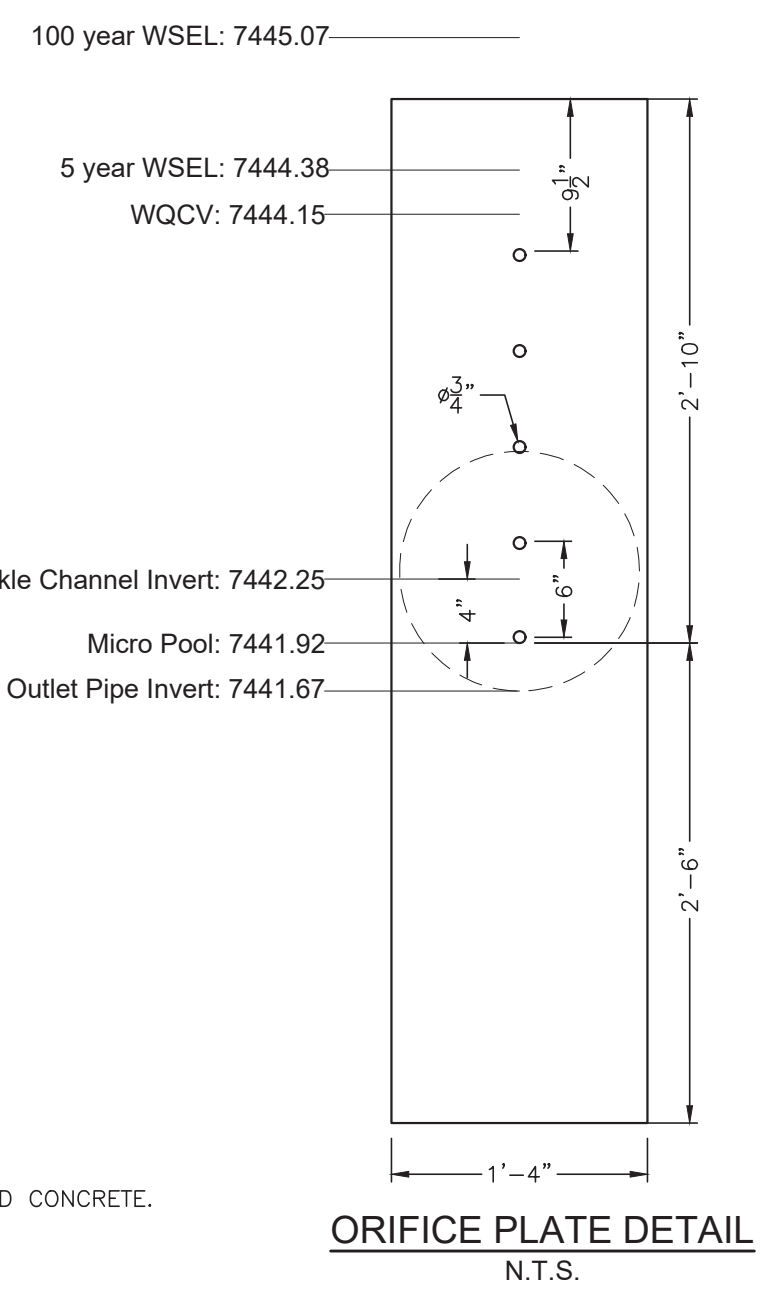
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S1172-A-01-014  
PCD File No. PPR2244



- ORIFICE PLATE NOTES:**
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
  2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER.
- WQCV TRASH RACKS:**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
- OVERFLOW SAFETY GRATES:**
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
  2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.

**ORIFICE PLATE AND TRASH RACK  
DETAILS AND NOTES**



**CONCRETE OUTLET STRUCTURE  
TOP VIEW**  
N.T.S.

**CONCRETE OUTLET STRUCTURE  
FRONT VIEW**  
N.T.S.

**CONCRETE OUTLET STRUCTURE  
SIDE VIEW**  
N.T.S.

Reference Drawings	Mgr.	Dwg. No.	M.F.

Revision	Date	Dwn.	Appd.
7			
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**FOX RUN SUBSTATION  
OUTLET STRUCTURE DETAILS**

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

UPDATED BY: TC/LEMENT 3/30/2023 9:58 AM Contract: .

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**TRI-STATE**  
Generation and Transmission Association, Inc.

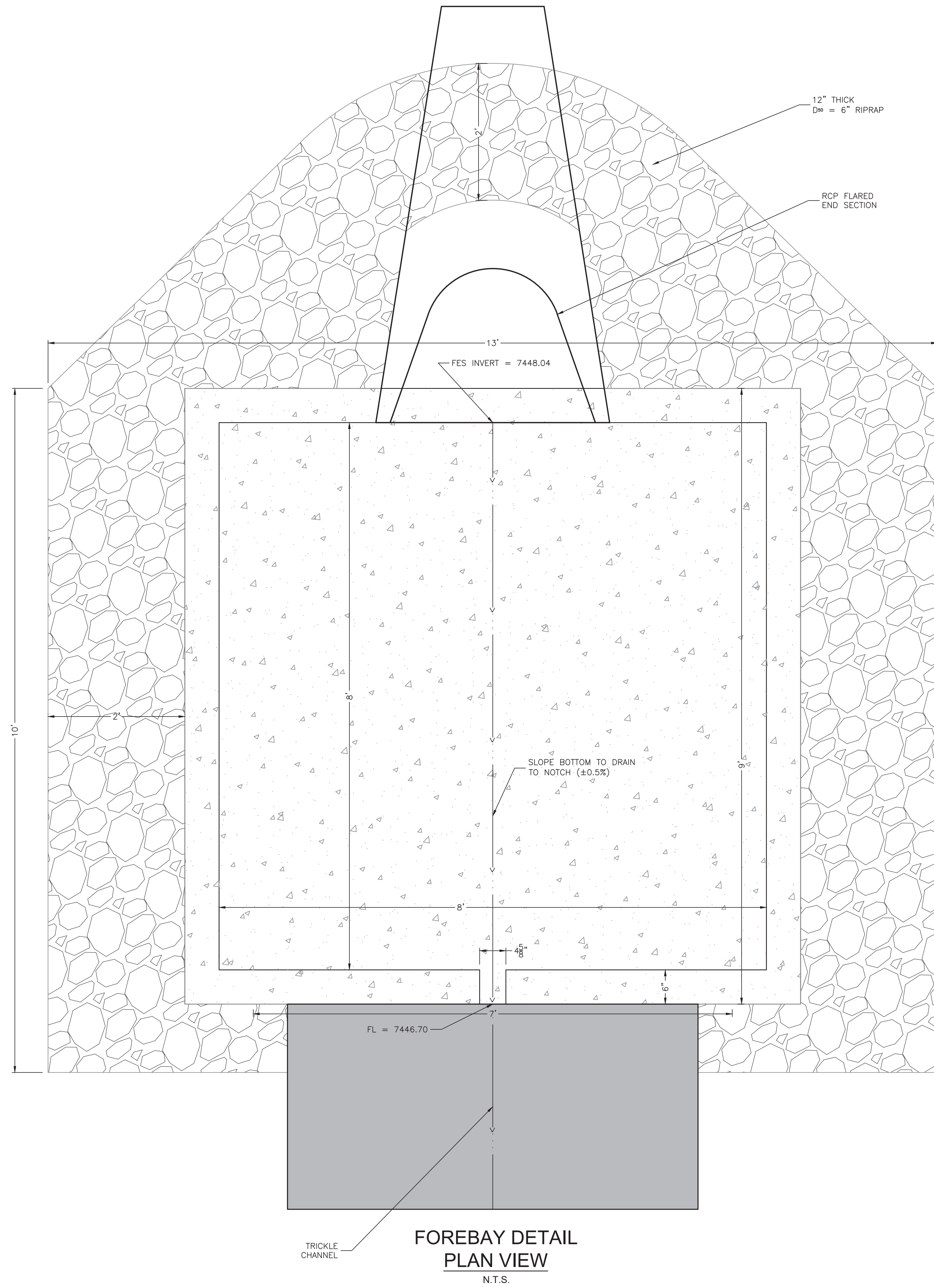
A Touchstone Energy Cooperative

1100 W. 116th Ave.  
P.O. Box 336905  
Denver, Colorado 80233  
303-452-6111

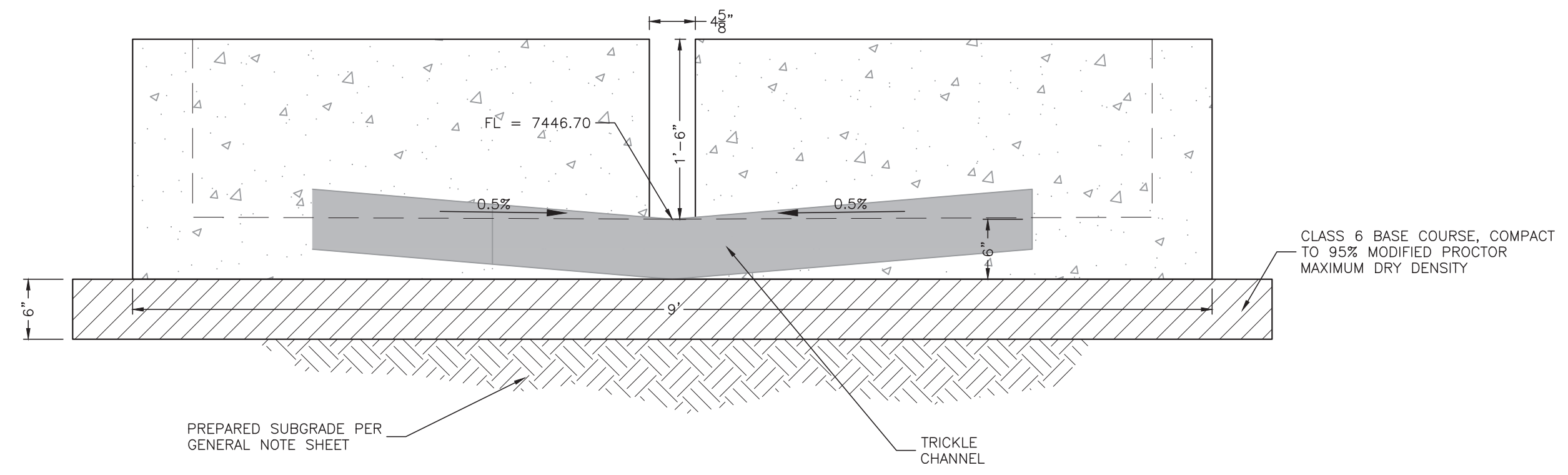
3/30/23  
47786  
Kent Utley  
PROFESSIONAL ENGINEER

Dwn: TMC Date: 3/30/23  
Appd: Date: .

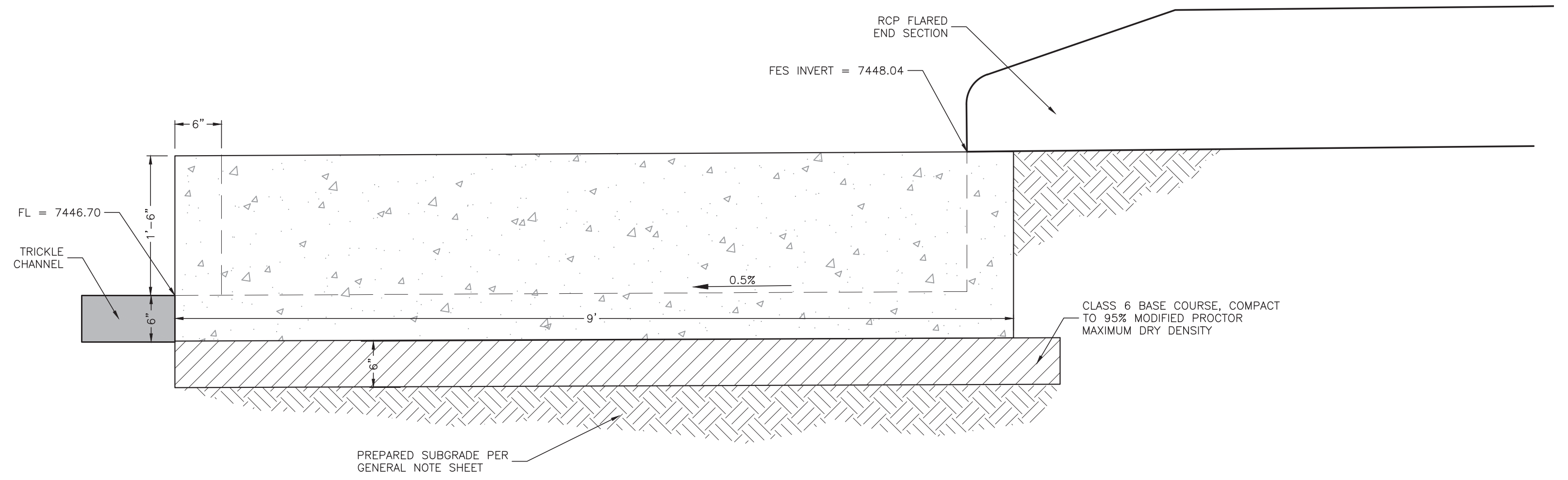
S1172-A-01-015  
PCD File No. PPR2244



**FOREBAY DETAIL  
PLAN VIEW**  
N.T.S.



**FOREBAY DETAIL  
SECTION VIEW**  
N.T.S.



**FOREBAY DETAIL  
PROFILE VIEW**  
N.T.S.

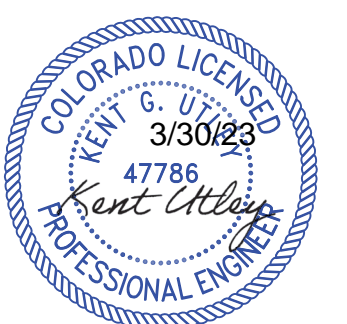
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No.	Date	Dwn.	Appd.	Revision	M.F.
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**FOX RUN SUBSTATION  
FOREBAY DETAILS**

TRI-STATE GENERATION & TRANSMISSION  
ASSOCIATION, INCORPORATED  
1100 W. 116th Ave.  
P.O. Box 33895  
Denver, Colorado 80233  
303-452-6111

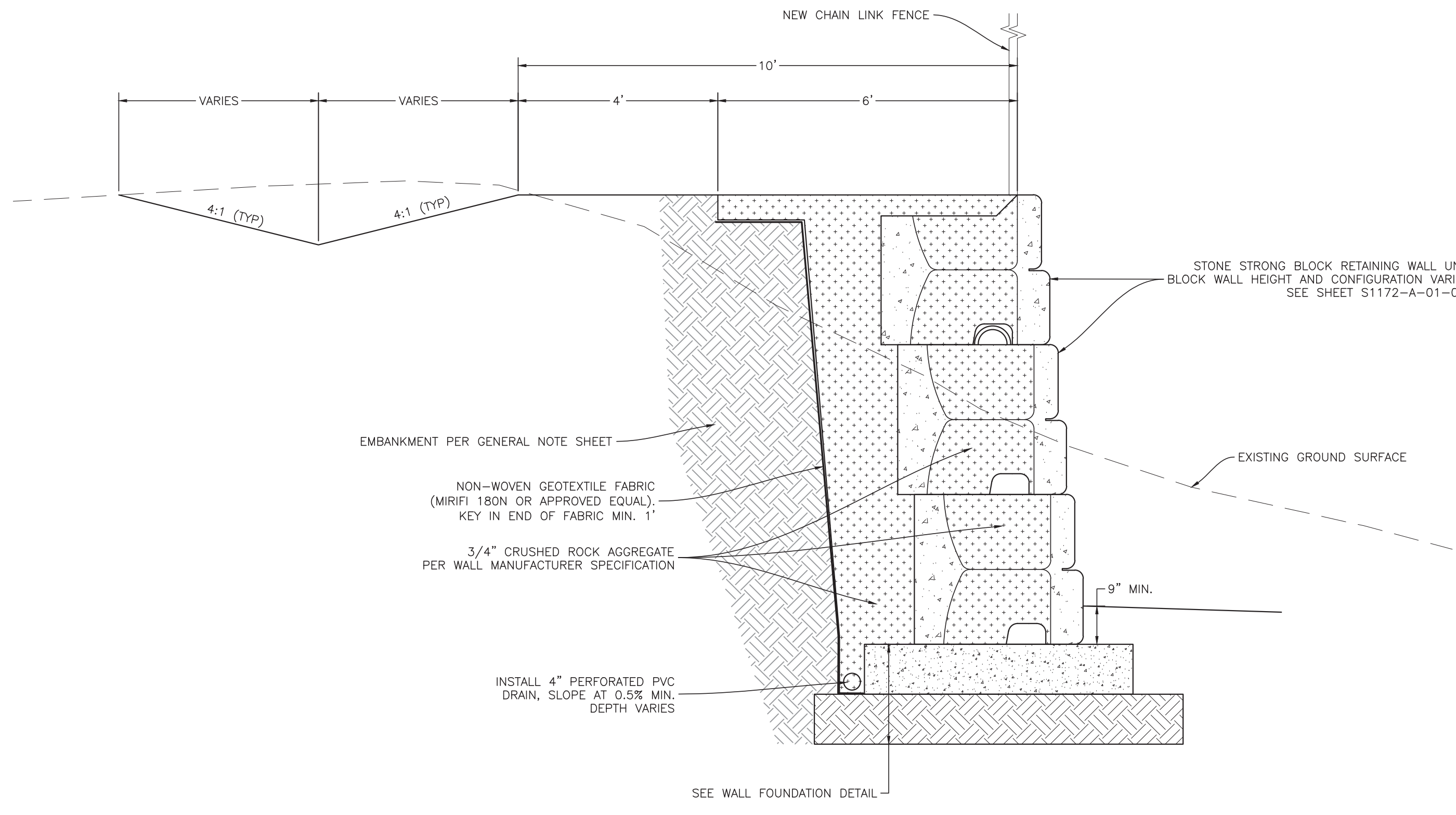
**TRI-STATE**  
Generation and Transmission  
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A Touchstone Energy/Cooperative  
1100 W. 116th Ave.  
P.O. Box 33895  
Denver, Colorado 80233  
303-452-6111



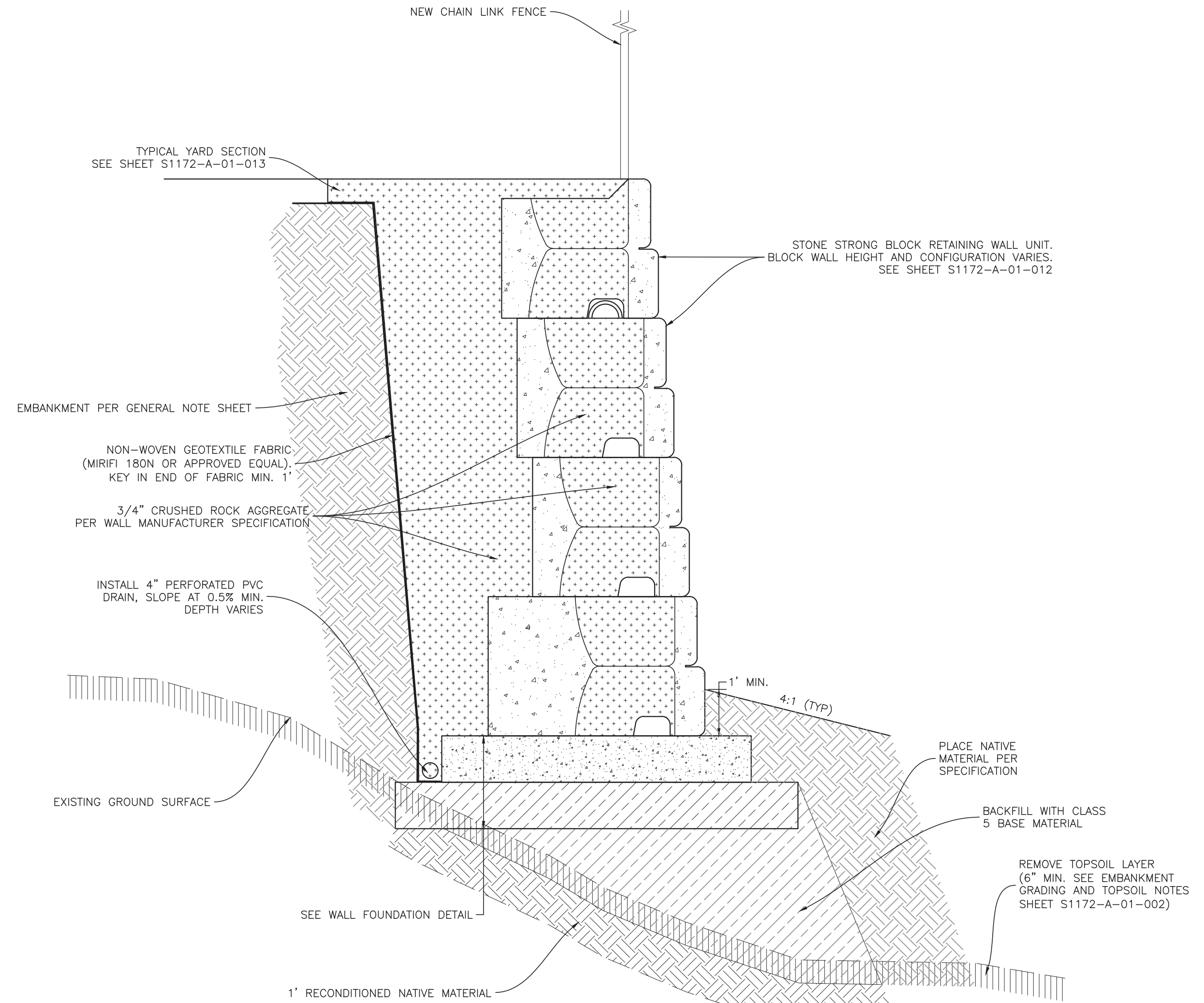
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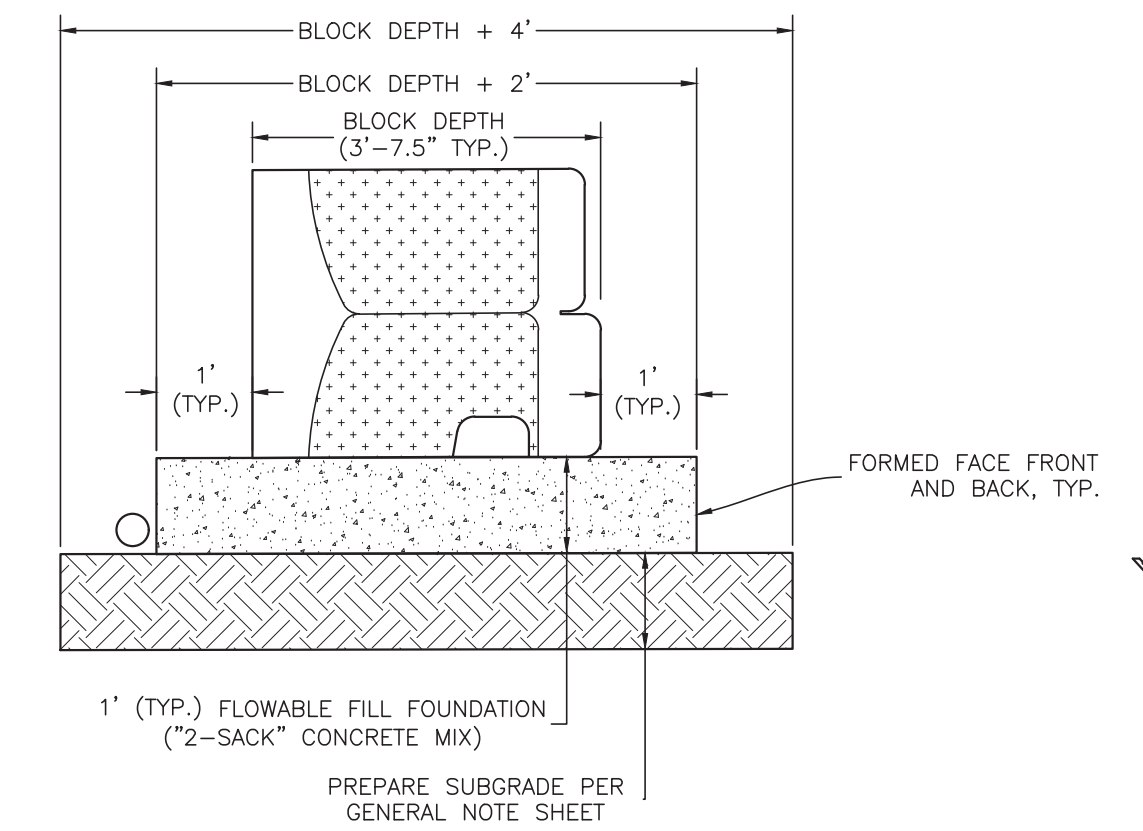




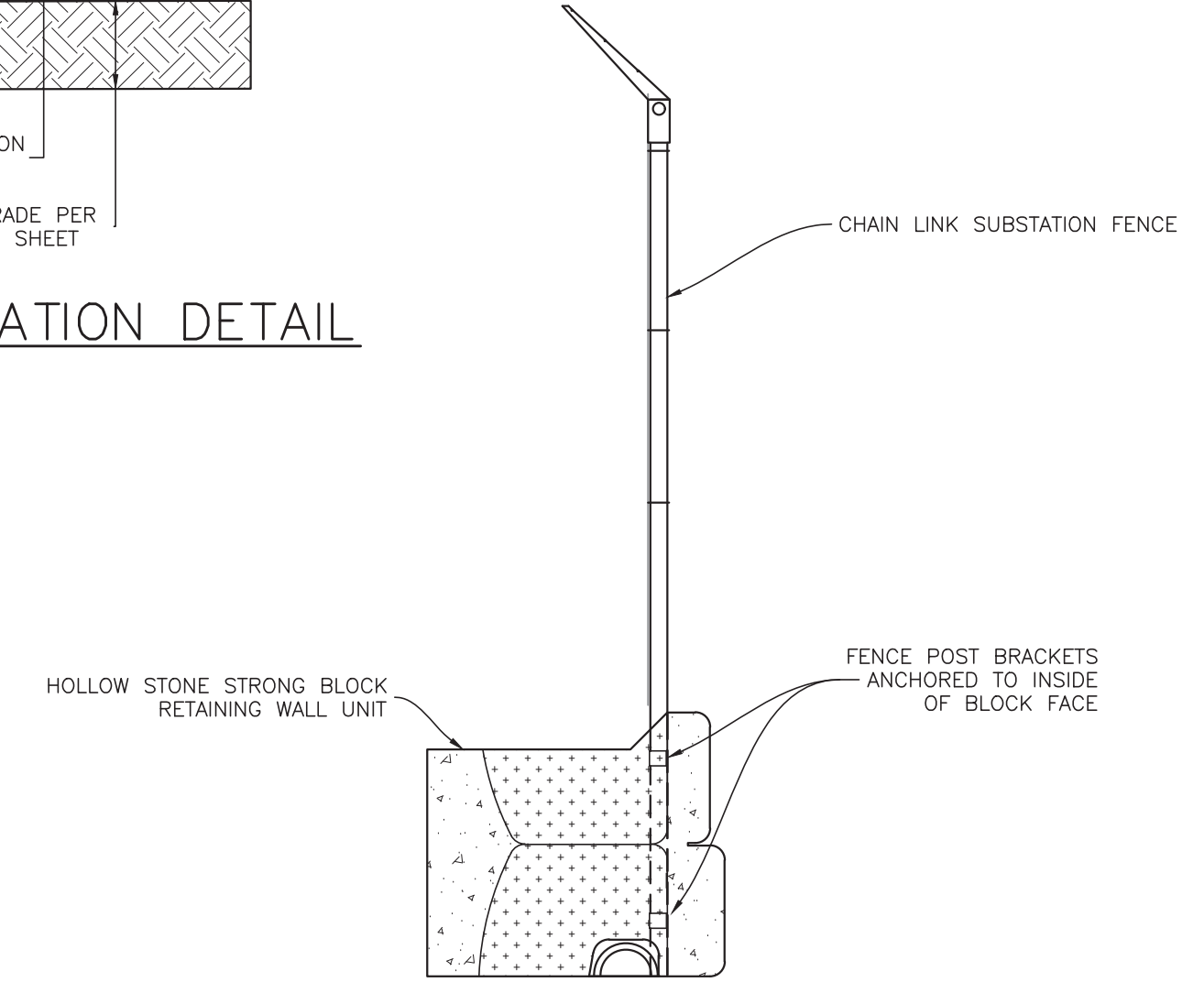
TYPICAL SECTION WEST RETAINING WALL  
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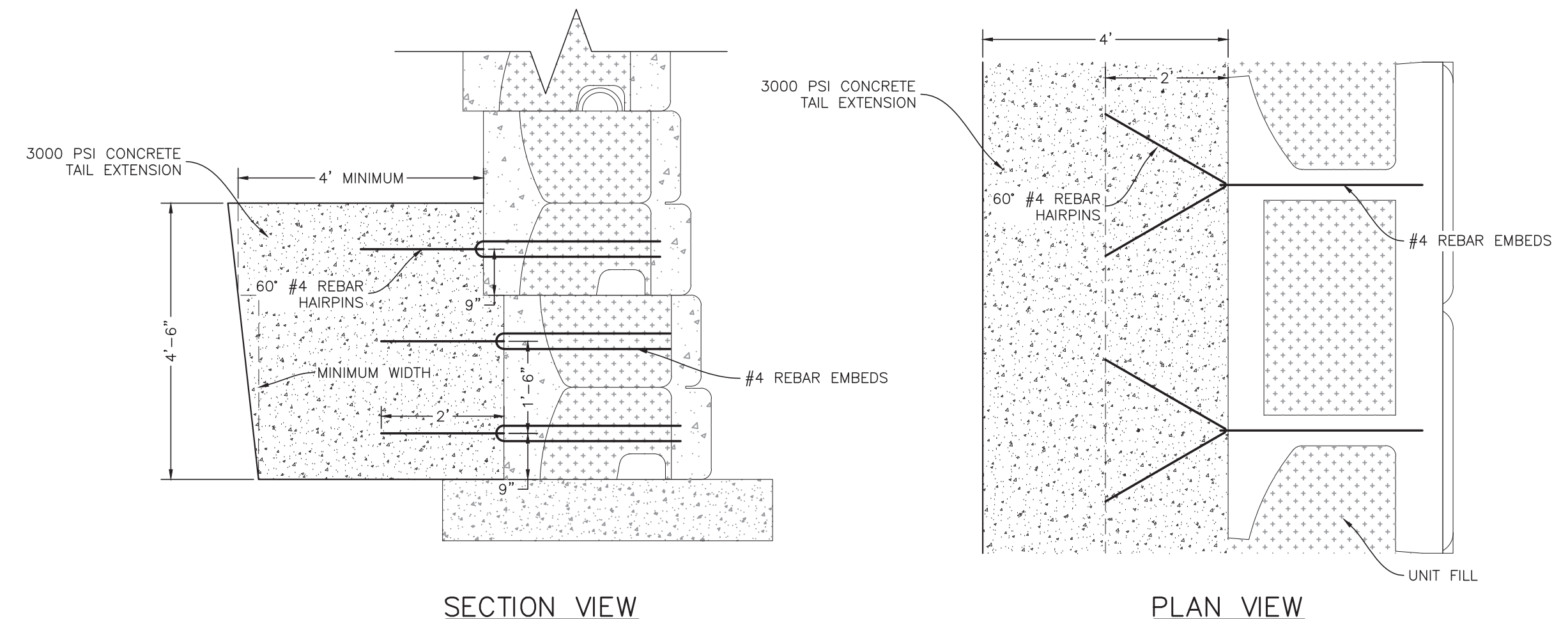
TYPICAL SECTION EAST RETAINING WALL  
N.T.S.



TYPICAL WALL FOUNDATION DETAIL  
N.T.S.



TYPICAL STONE STRONG FENCE MOUNTING  
N.T.S.



SECTION VIEW  
PLAN VIEW  
CAST IN PLACE MASS EXTENDER DETAIL  
N.T.S.

Reference Drawings	
Dwg. No.	Mfr.

Revision		
No.	Date	Appd.
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**FOX RUN SUBSTATION**  
RETAINING WALL DETAILS

TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED

UPDATED BY: TCELEVENT 3/30/2023 9:58 AM Contract: ...  
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P.O. Box 33890  
Denver, Colorado 80233  
303-452-6111

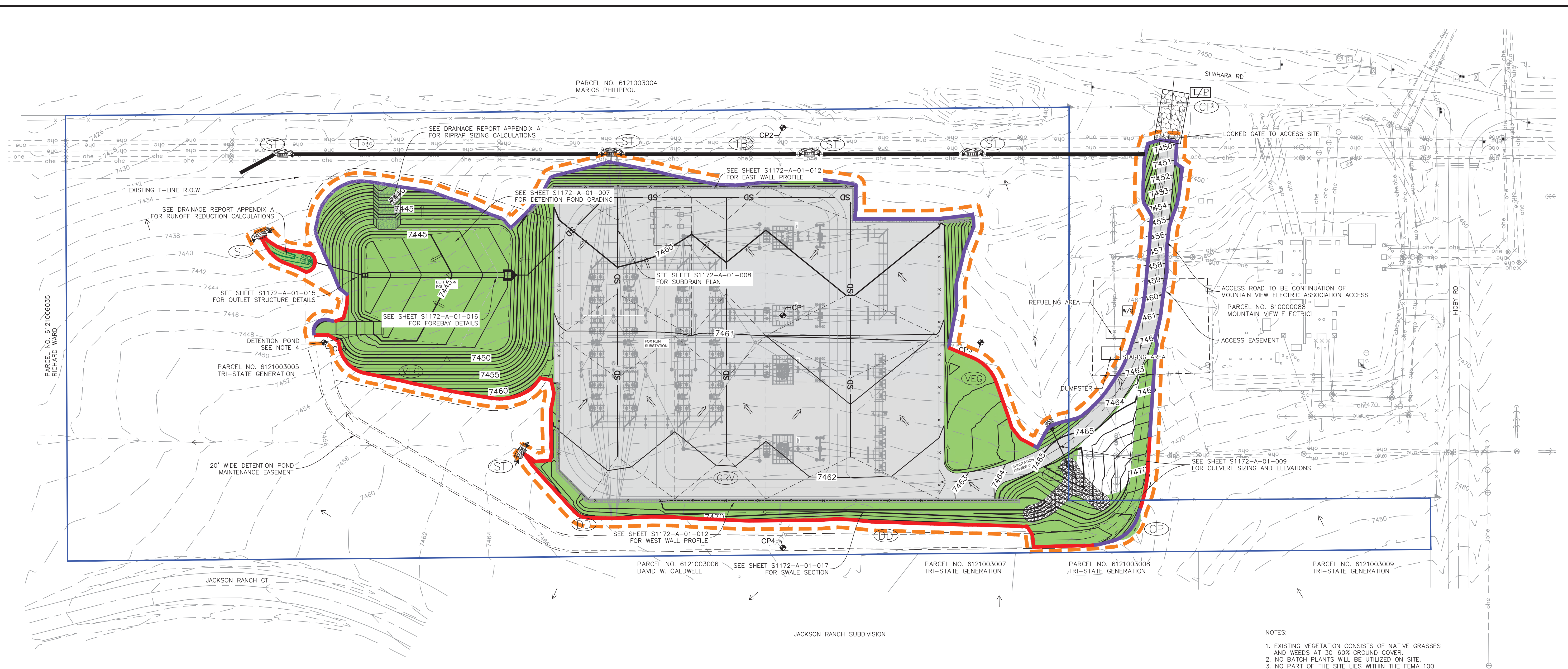


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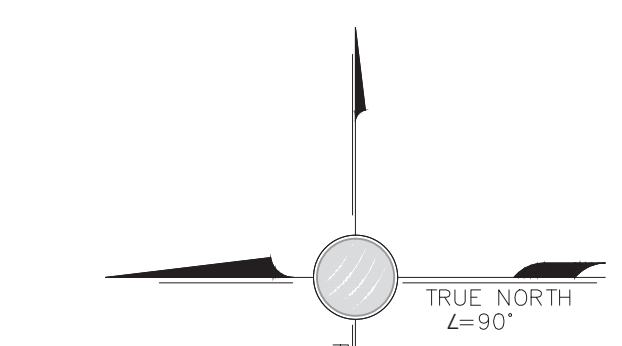
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- NOTES:
1. EXISTING VEGETATION CONSISTS OF NATIVE GRASSES AND WEEDS AT 30-60% GROUND COVER.
  2. NO BATCH PLANTS WILL BE UTILIZED ON SITE.
  3. NO PART OF THE SITE LIES WITHIN THE FEMA 100 YEAR FLOODPLAIN.
  4. OUTLET STRUCTURE MUST BE INSTALLED IN ORDER TO USE DETENTION POND AS A TEMPORARY SEDIMENT POND DURING CONSTRUCTION.

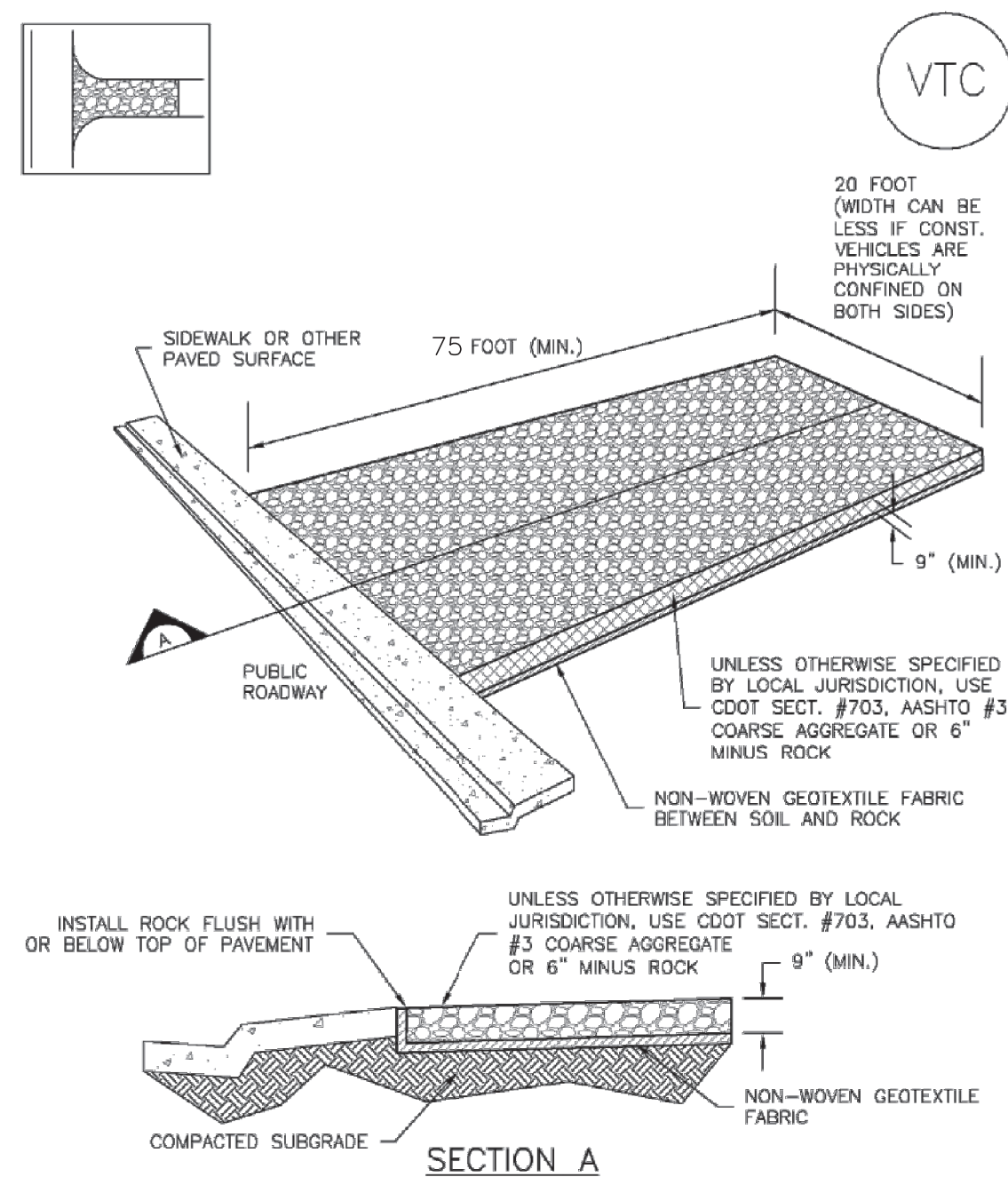
**LEGEND**

	PROPERTY BOUNDARY		EXISTING OVERHEAD POWER LINE
	LIMITS OF CONSTRUCTION / DISTURBANCE		EXISTING FENCE
	TOE OF FILL SLOPE		EXISTING UTILITY POLE
	TOP OF CUT SLOPE		EXISTING GUY ANCHOR
	DD DIVERSION DITCH (INITIAL)		EXISTING INDEX CONTOUR
	TB TOPSOIL BERM (INITIAL)		EXISTING INTERMEDIATE CONTOUR
	ST SEDIMENT TRAP (INITIAL/INTERIM)		PROPOSED SUBDRAIN LINE
	SW STRAW WATTLE (INITIAL/INTERIM)		PROPOSED FENCE
	CP CULVERT PROTECTION (INITIAL/INTERIM)		PROPOSED CULVERT
	VEG SEEDING (FINAL)		PROPOSED INDEX CONTOUR
	GRV GRAVEL (FINAL)		PROPOSED INTERMEDIATE CONTOUR
	TP TRACKING PAD (INITIAL/INTERIM)		PROPOSED DRAINAGE FLOWLINE
	CONC. WASH-OUT (WITH LOCATION SIGN)		PROPOSED DRAINAGE FLOW ARROW
	M/T PORTABLE TOILET		EXISTING DRAINAGE FLOW ARROW



<b>FOX RUN SUBSTATION</b>	
<b>EROSION CONTROL PLAN</b>	
TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED	
1100 W. 116th Ave. P.O. Box 33895 Denver, Colorado 80233 303-452-6111	
UPDATED BY: TCE/MENT 3/30/2023 9:58 AM Contract: \\\\DMS1A\Projects\Active Projects\2021\21038-1857-Monument Sub Survey & Civil\Facility\Civil\Sheets\S1172-4-01-SHEETS.dwg	
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Appd:	Date:
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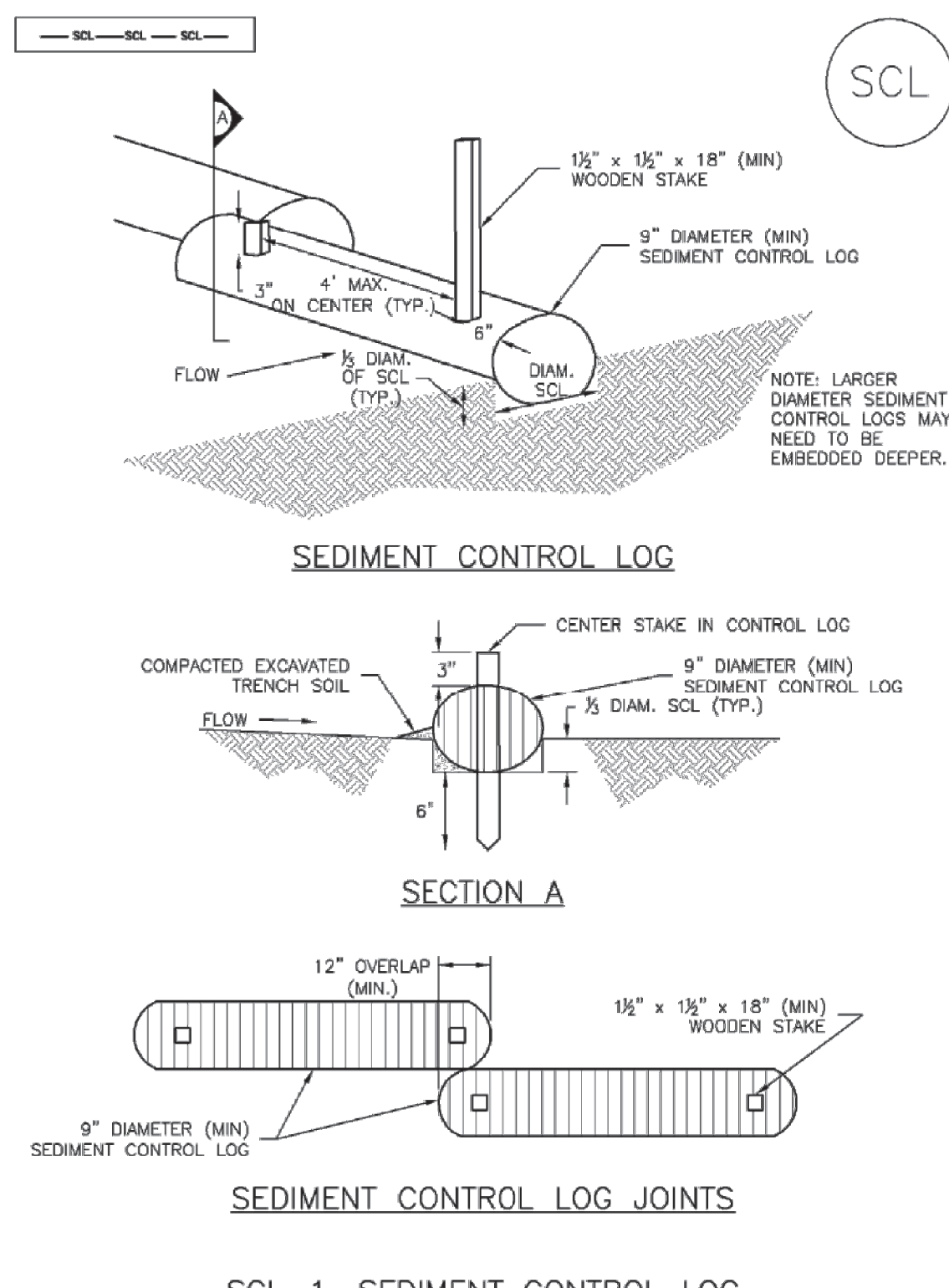
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

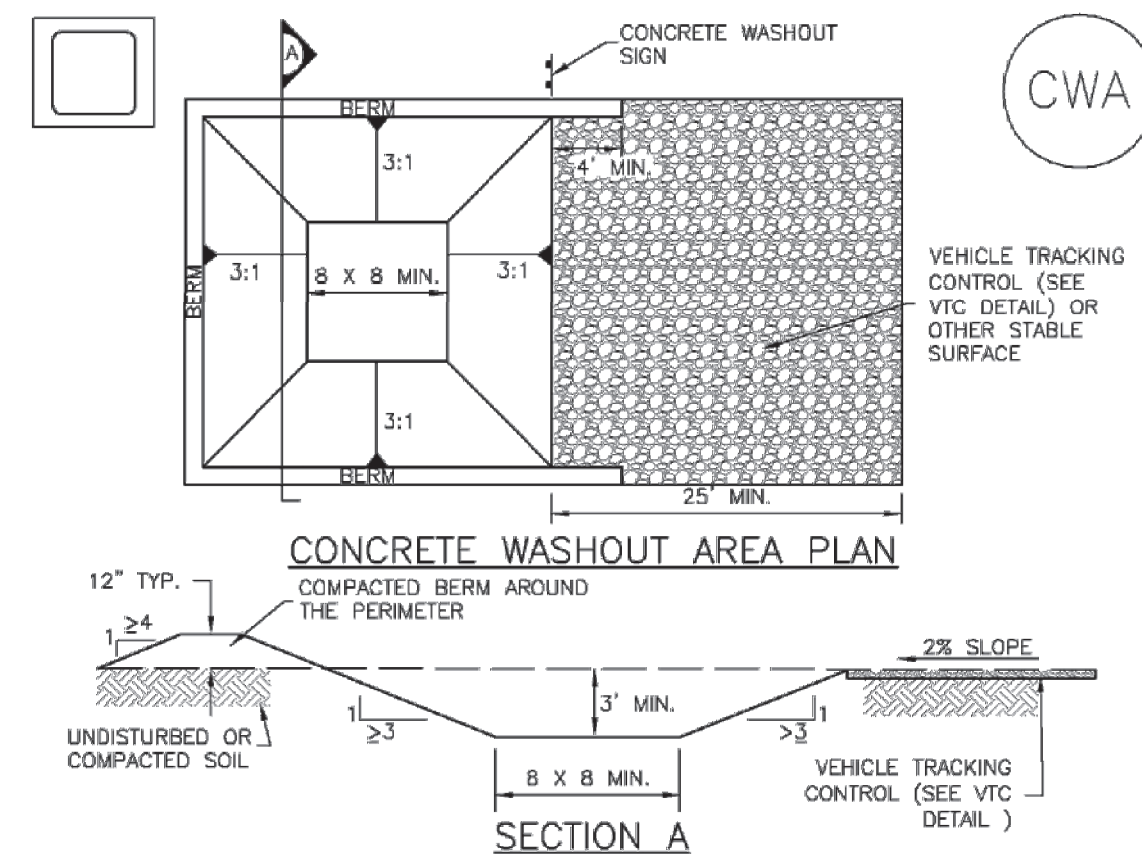
Sediment Control Log (SCL) SC-2



SCL-1. SEDIMENT CONTROL LOG

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

Concrete Washout Area (CWA) MM-1

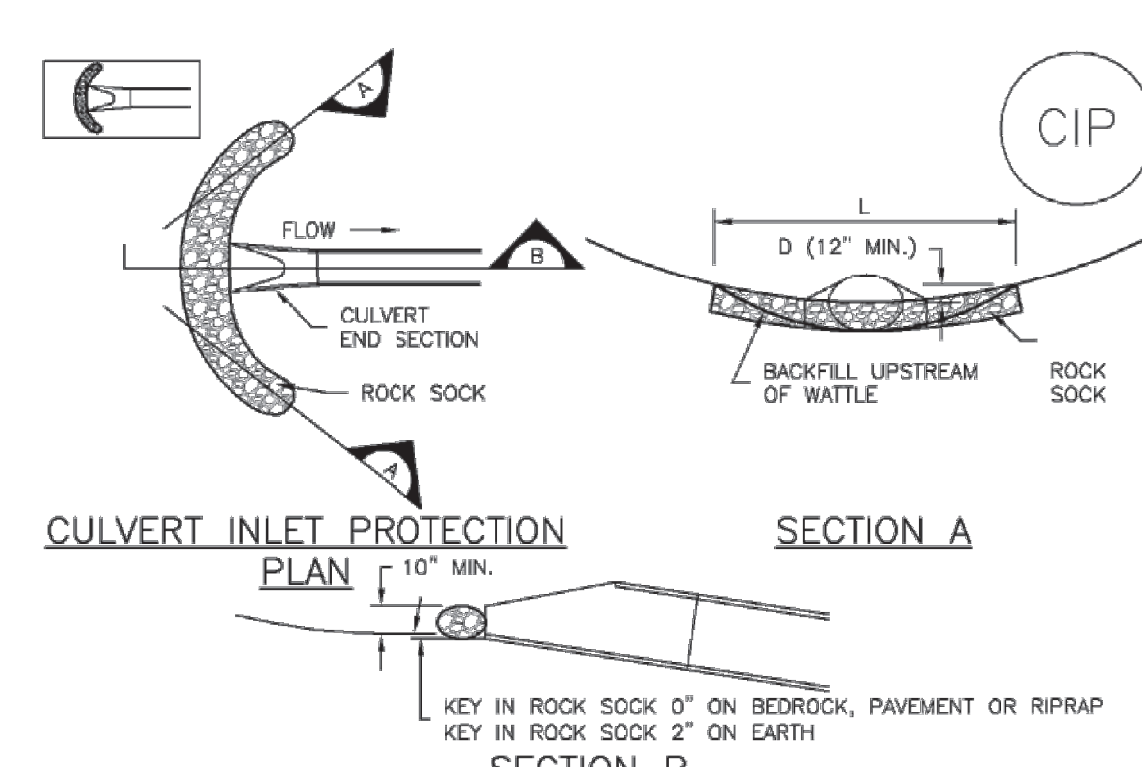


CWA-1. CONCRETE WASHOUT AREA

- CWA INSTALLATION NOTES
1. SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES...
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT 'SUBSURFACE PIT' THAT IS AT LEAST 'B' BY 'B' SLOPES...
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE...
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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

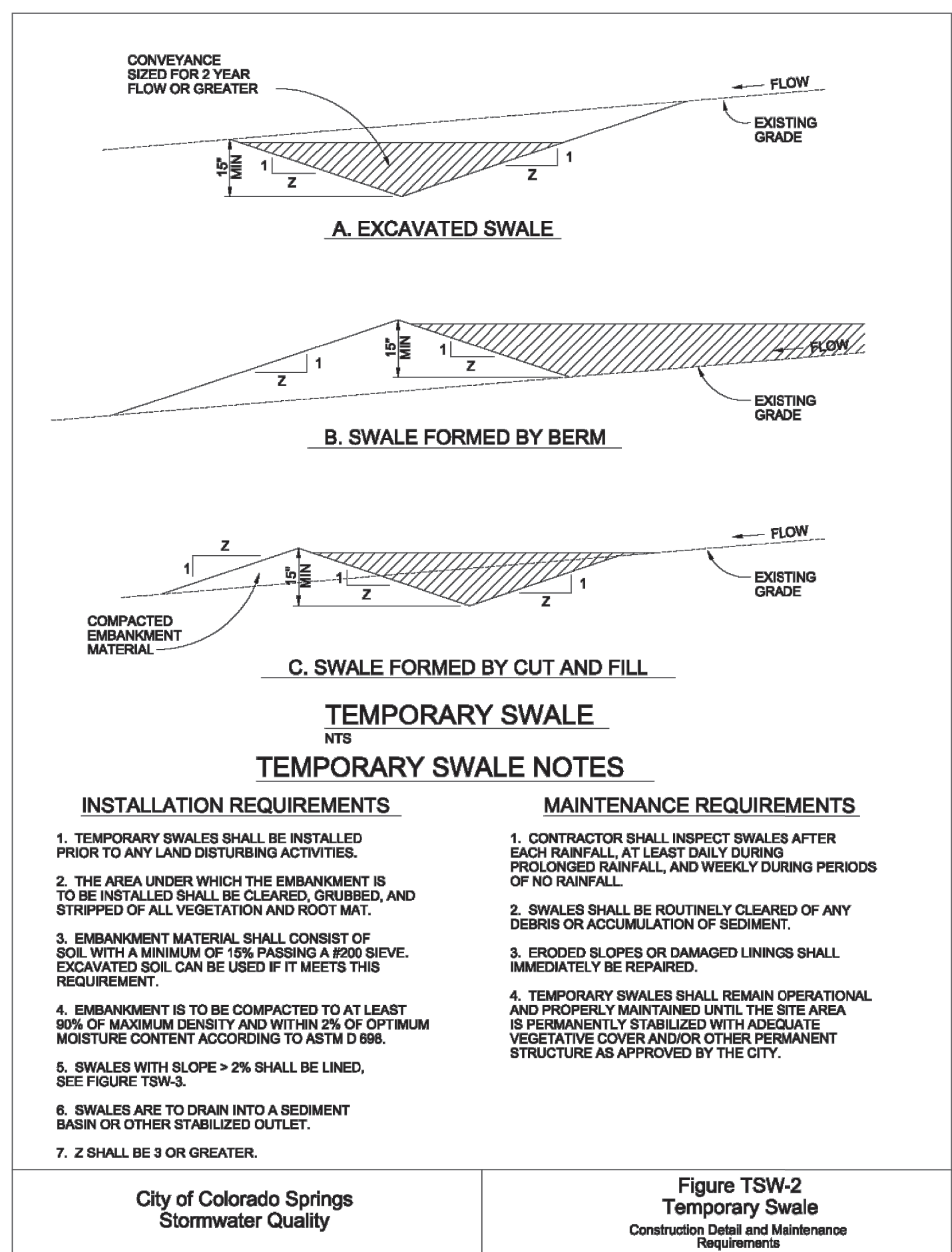
Inlet Protection (IP) SC-6



IP-1. CULVERT INLET PROTECTION

- CULVERT INLET PROTECTION INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF CULVERT INLET PROTECTION.
2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.
CULVERT INLET PROTECTION MAINTENANCE NOTES
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION...
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs...
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY...
4. SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED...
5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED...
6. (DETAILS ADAPTED FROM AUSTRIA, COLORADO, NOT AVAILABLE IN AUTOCAD)

August 2013 Urban Drainage and Flood Control District IP-7  
Urban Storm Drainage Criteria Manual Volume 3

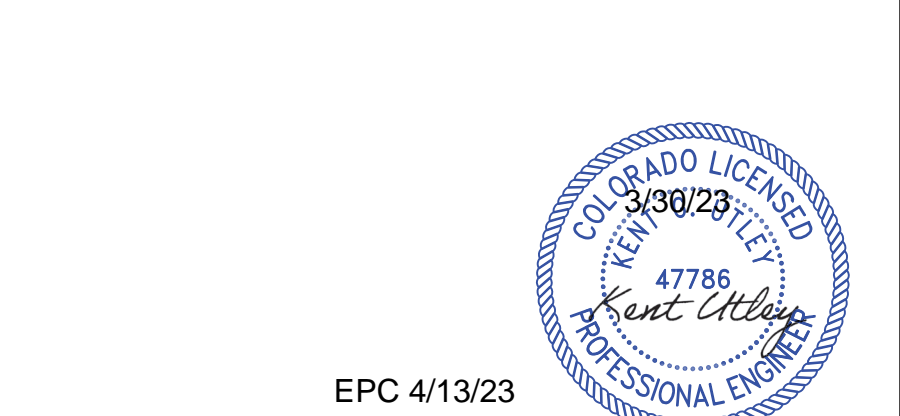


ST-1. SEDIMENT TRAP

November 2010 Urban Drainage and Flood Control District ST-2  
Urban Storm Drainage Criteria Manual Volume 3

Sediment Trap (ST) SC-8

Table with columns for No., Date, Dwn., Appd., Revision, Dwg. No., Mgr., and Drawing Title. Includes drawing information for 'FOX RUN SUBSTATION EROSION CONTROL DETAILS'.



EPC 4/13/23