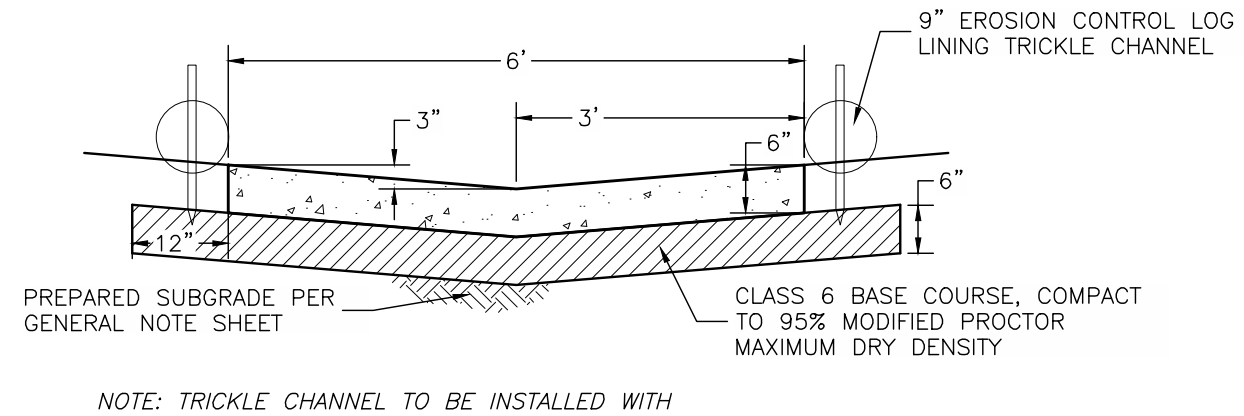
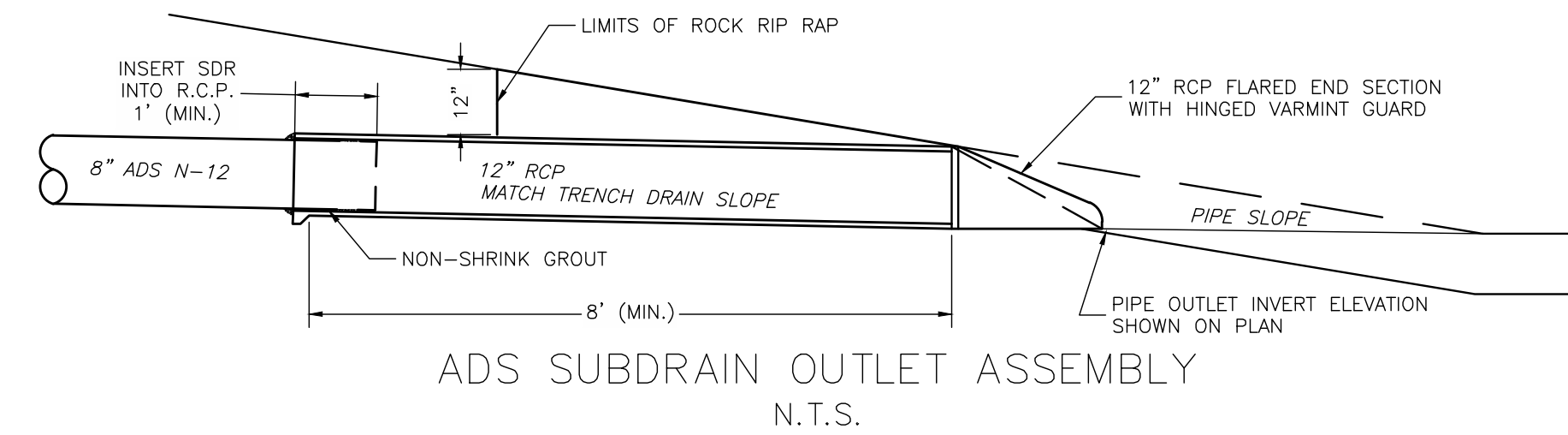


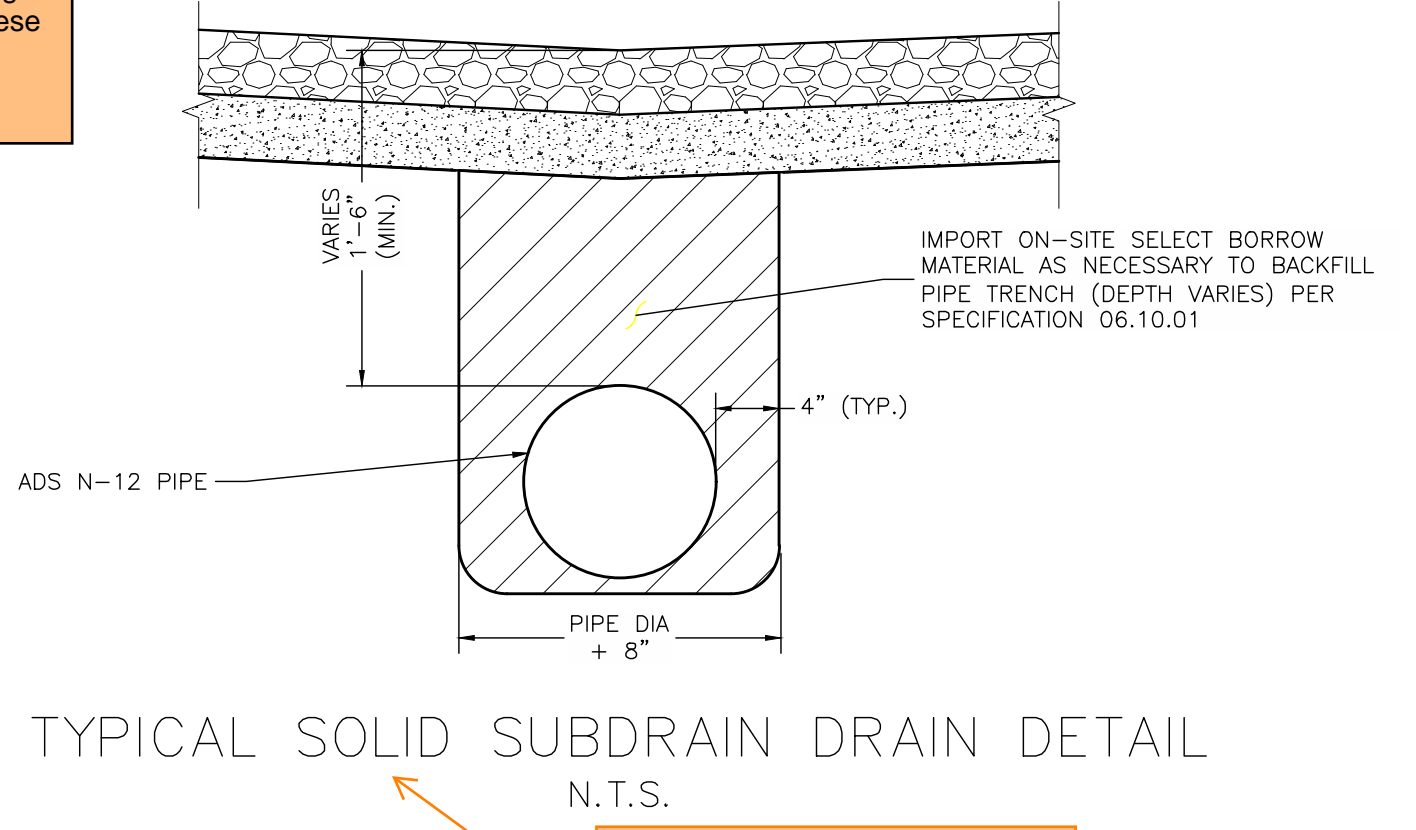
A spillway is necessary to direct overflows. If this is where you'd like the spillway (to direct flows to where the pond outlet pipe outfalls to ditch), then you could do an armored Texas crossing here to lower the road enough to get the desired spillway elevation. But obviously make sure that you maintain sufficient cover on the existing pipe.

Pond bottom should have a minimum slope of 3% to the trickle channel and micropool (USDCM Vol 3, detail T-5). Please adjust to minimize future maintenance needs.

Do you mind assign a name/number to this EDB? If you do, just make sure to update all submitted text and drawings accordingly with consistent labeling throughout (example: "Pond A" or "Pond 1"). These labels just help us out with post-construction inspections and tracking in our database/GIS.

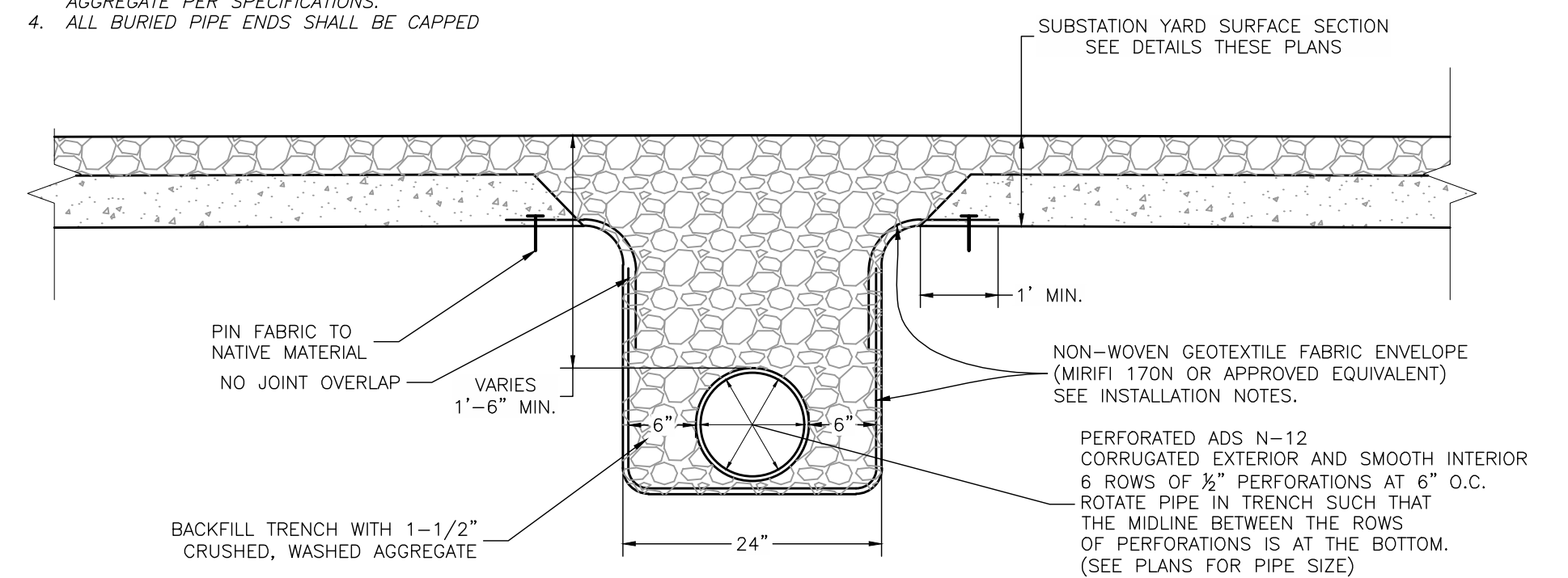
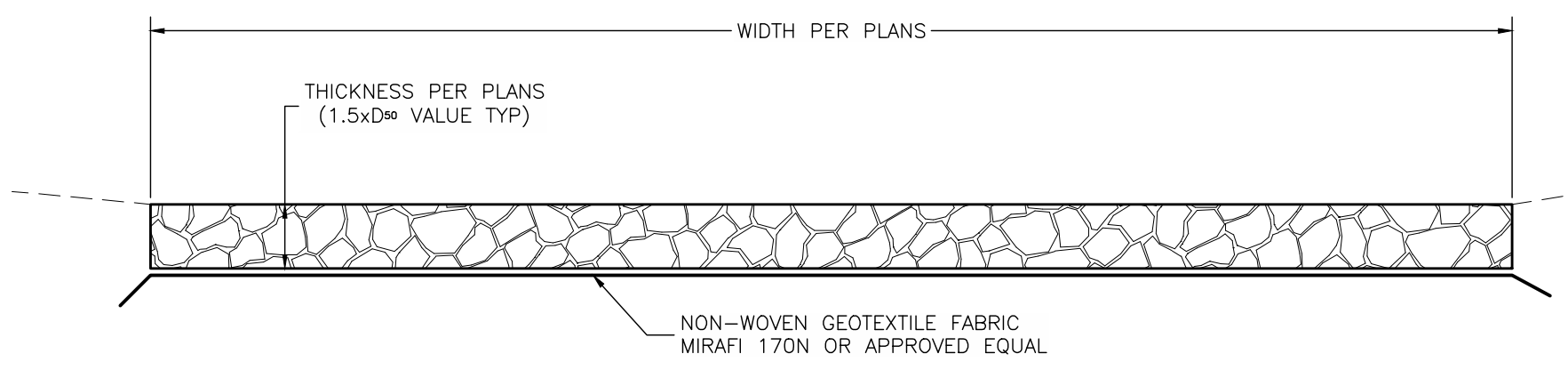


Note that we encourage instead using a flat bottomed trickle channel for ease of maintenance, unless you have a means of easily removing sediment from a V-shaped channel.



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

All perforated subdrains on plans appear to be labeled as perforated. If this is accurate, please delete this solid pipe detail to avoid confusion.



TYPICAL RIP RAP INSTALLATION
N.T.S.

TYPICAL PERFORATED SUBDRAIN DETAIL
N.T.S.

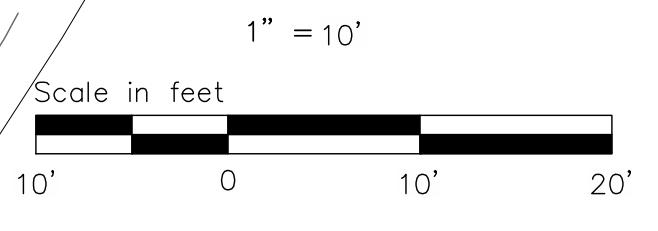
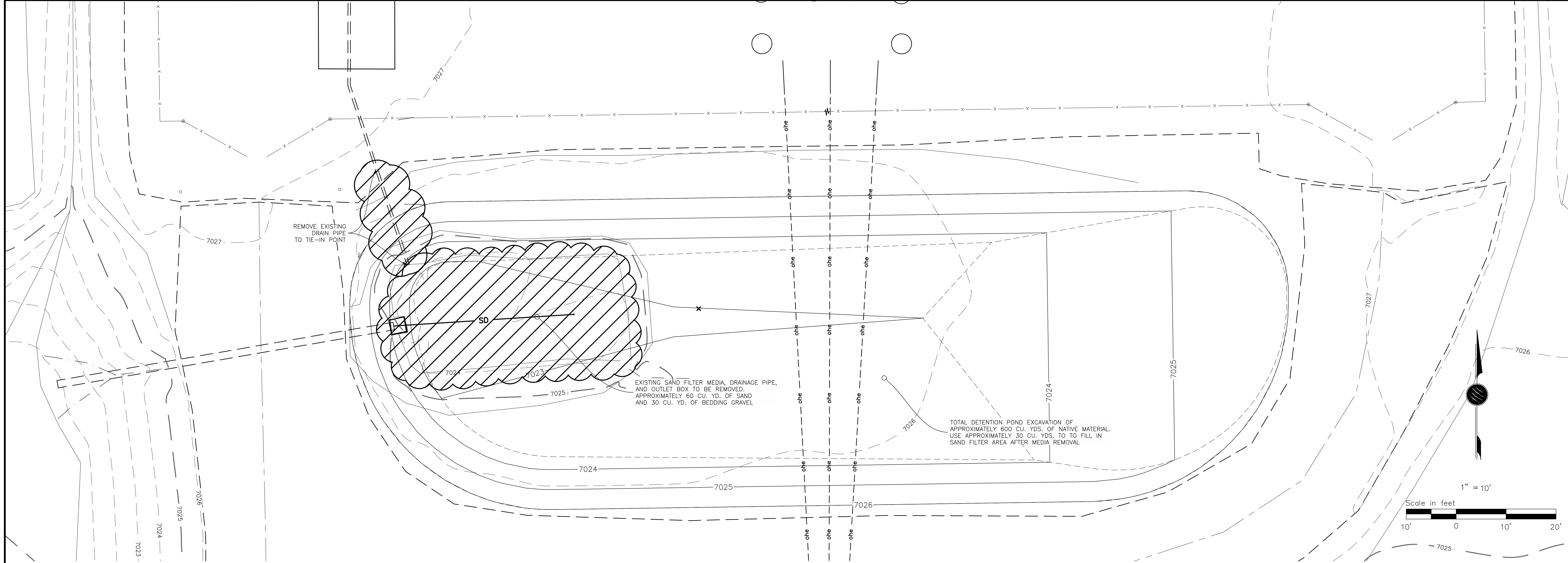
<p>VOLLMER DRAINAGE IMPROVEMENTS 115 KV LAYOUT, GRADING, & DRAINAGE DETAILS TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p>	7	NO.	DATE	APPD.	REV.	M.F.
	6					
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TRI-STATE
Generation and Transmission Association, Inc.
A Touchstone Energy/Cooperative
1100 W. 116th Ave.
P.O. Box 33895
Denver, Colorado 80233
303-452-6111

UPDATED BY: TOLEMET
6/19/2024 6:57 AM
Contract: 22303C-BASE-09
Path: \\DMS1\Projects\Active Projects\2023\2303-Vollmer Sub Drainage 615\01-Mesa\2303C-BASE.dwg

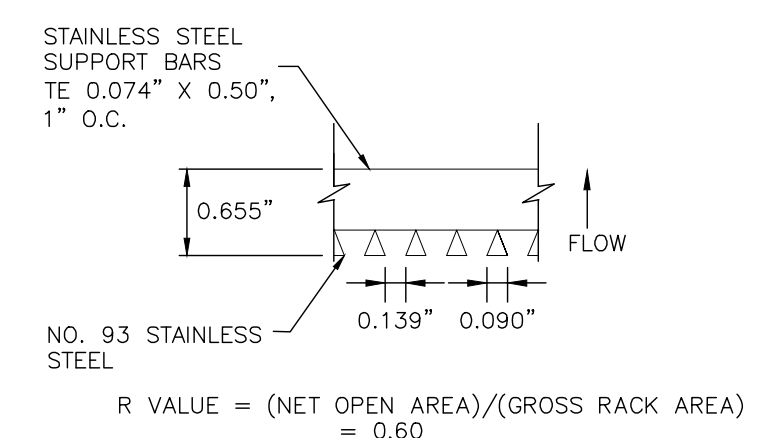
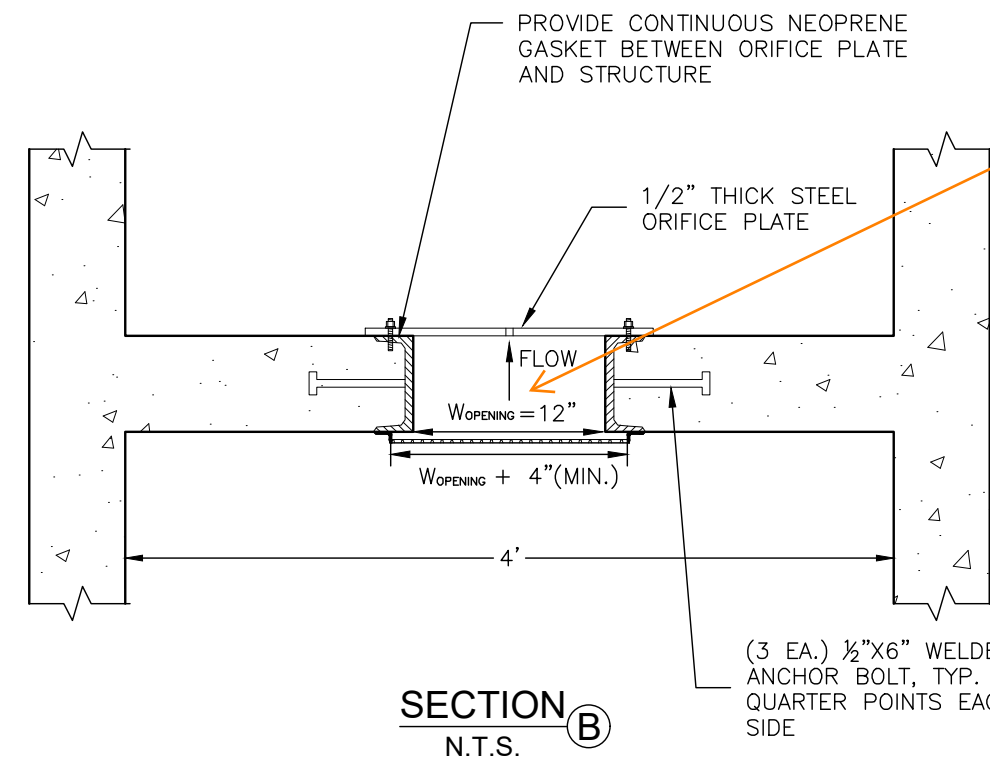
Dwn: TMC
Appd: _____
Date: 06/19/24
Date: _____

S1150-A-01-011



TRI-STATE Generation and Transmission Association, Inc. 1100 W. 116th Ave. P.O. Box 338905 Denver, Colorado 80233 303-452-6111		VOLLMER DRAINAGE IMPROVEMENTS 115 KV LAYOUT & GRADING TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED UPDATED BY: TCLEMENT 6/19/2024 6:57 AM Contract:		Dwn: TMC Date: 06/19/24 Appd: Date:	
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115 KV LAYOUT & GRADING		TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED		Dwg. No. Mgr. Reference Drawings Drawing Title	

S1150-A-01-011R



ORIFICE PLATE NOTES:

1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT TRAP TO CONCRETE 12" MAX. ON CENTER.

WOCV 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.

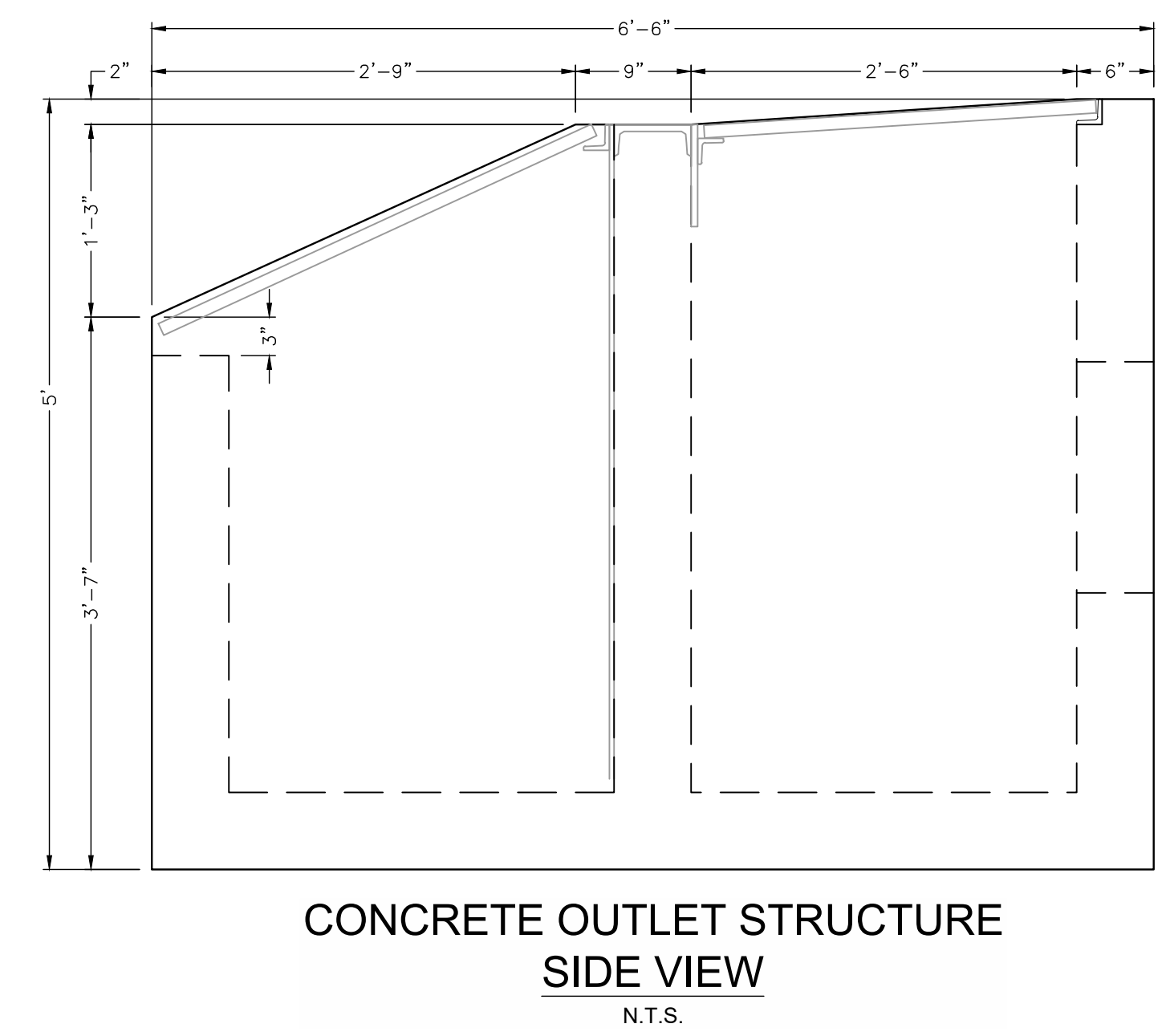
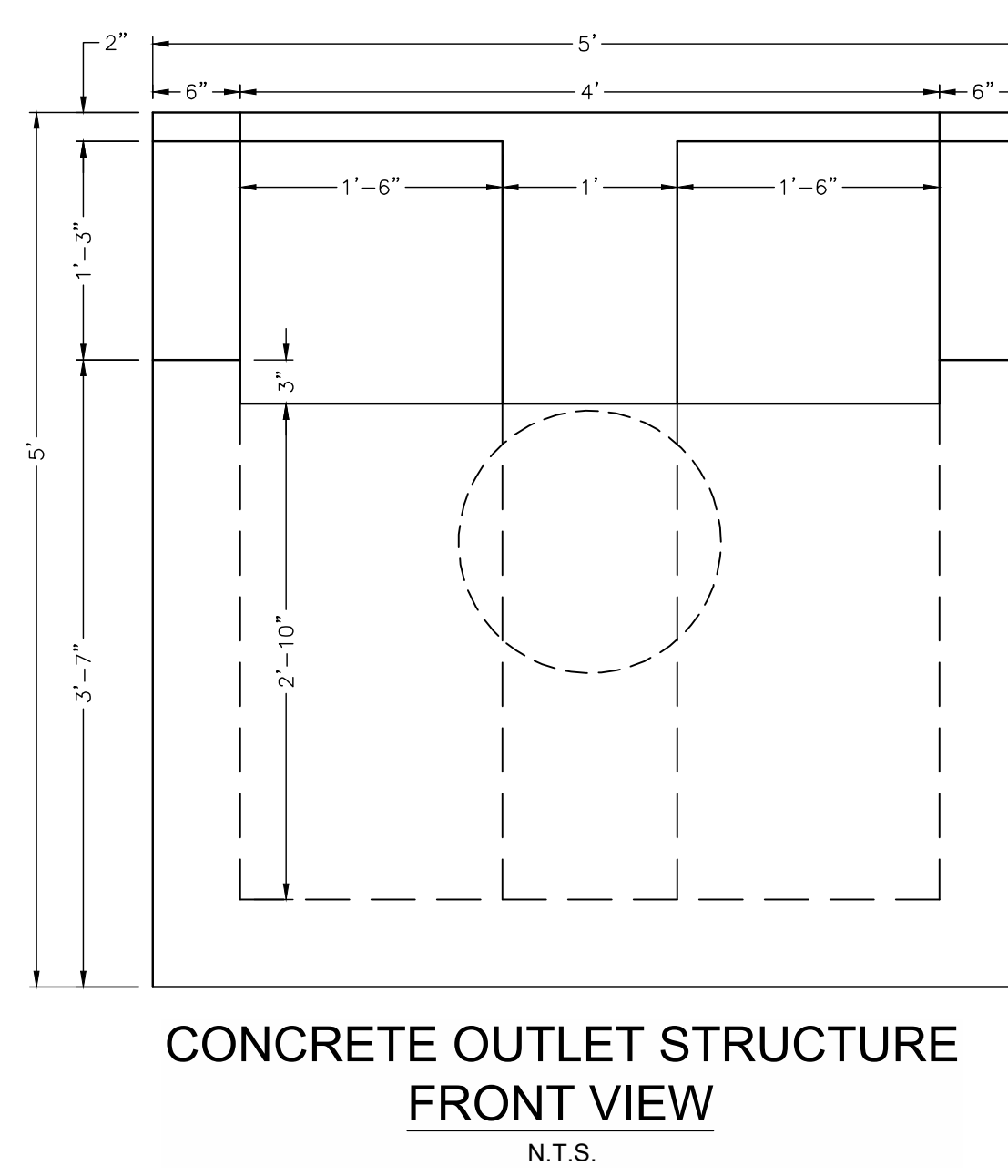
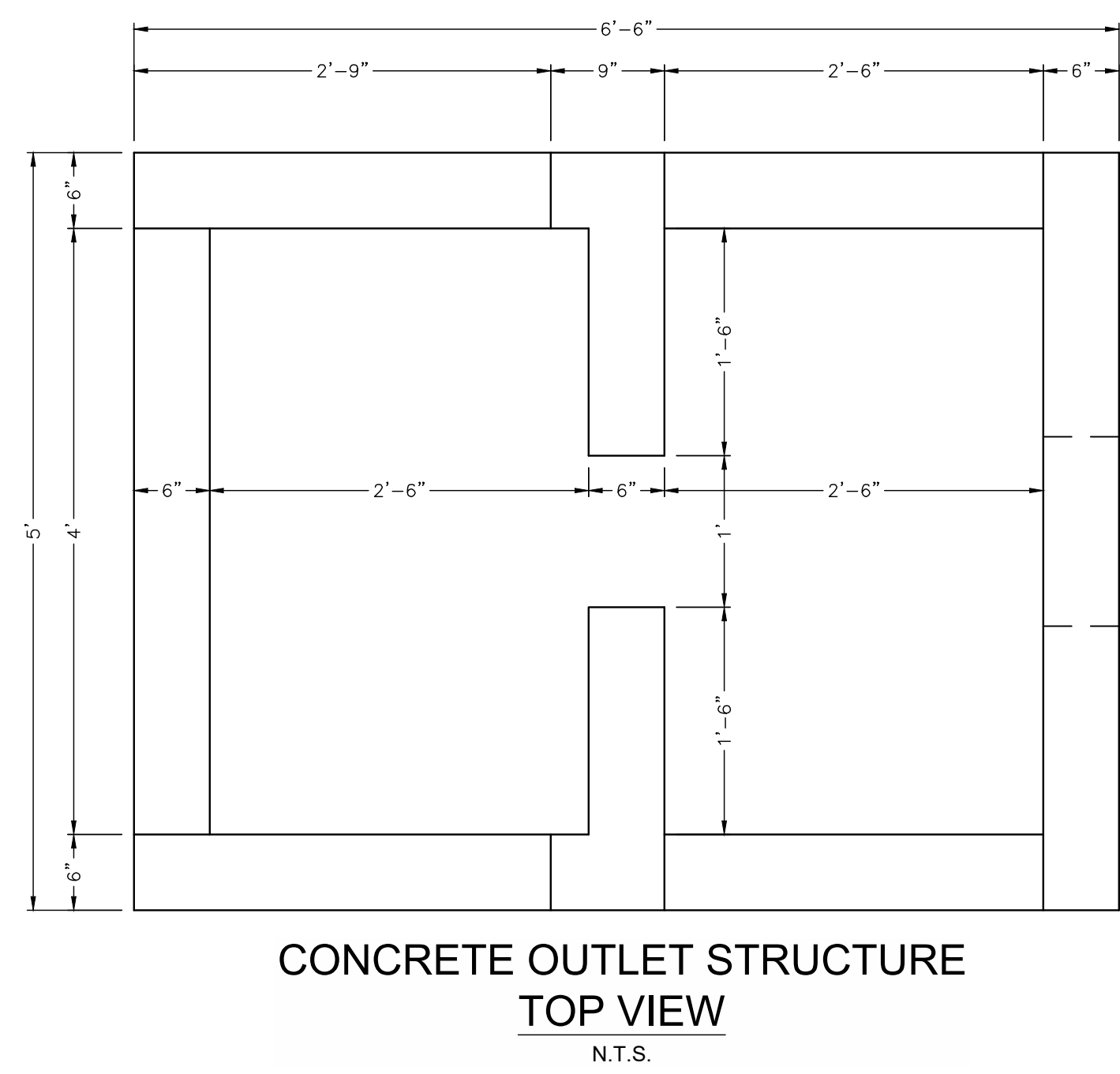
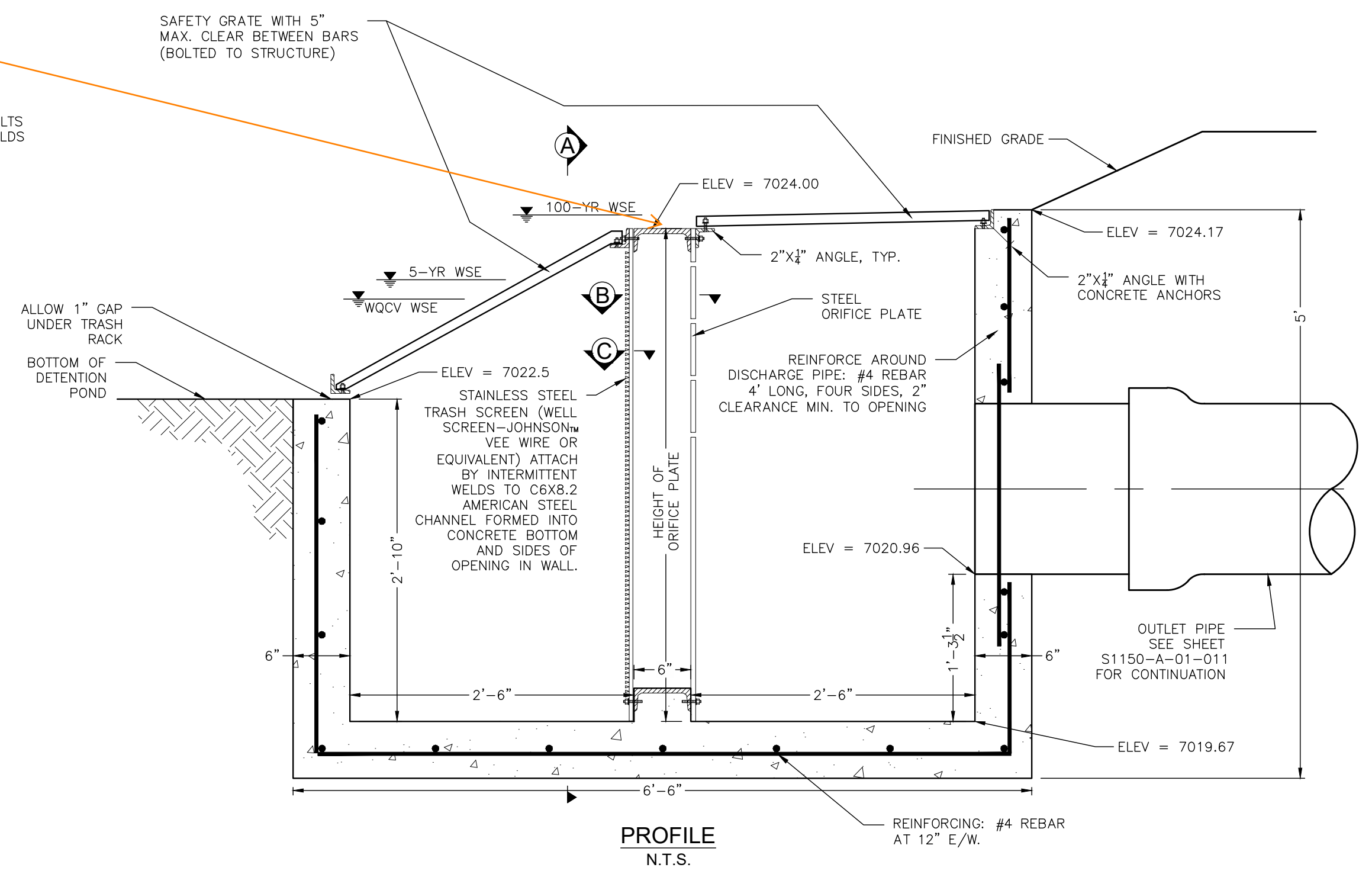
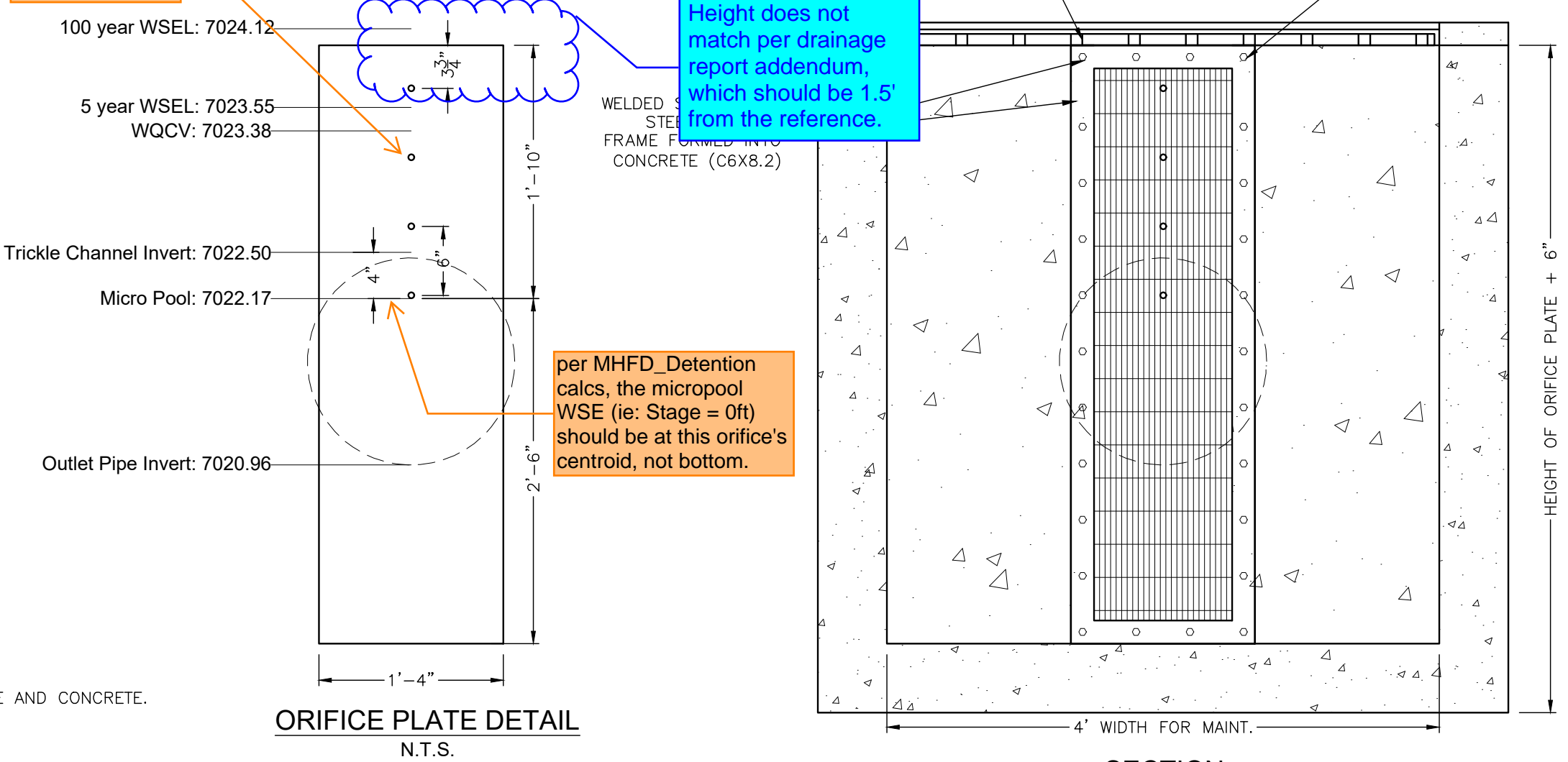
ORIFICE PLATE AND TRASH RACK DETAILS AND NOTES

label diameter of all orifice (0.5" per calcs)

Recommend capping the top of this opening to prevent debris from getting in between microscreen and orifice plate.

Height does not match per drainage report addendum, which should be 1.5' from the reference.

per MHFD Detention calcs, the micropool WSE (ie: Stage = 0ft) should be at this orifice's centroid, not bottom.



<p>TRI-STATE Generation and Transmission Association, Inc. 1100 W. 116th Ave. P.O. Box 338905 Denver, Colorado 80233 303-452-6111</p>		<p>VOLLMER DRAINAGE IMPROVEMENTS 115 KV OUTLET STRUCTURE DETAILS TRI-STATE GENERATION & TRANSMISSION ASSOCIATION, INCORPORATED</p>	
Dwn: TMC	Date: 06/19/24	Appd: Date:	Contract: 6/19/2024 6:57 AM
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<p>S1150-A-01-012</p>		<p>Revision</p>	
<p>M.F.</p>		<p>Dwg. No.</p>	
<p>Reference Drawings</p>		<p>Mgr.</p>	
<p>Drawing Title</p>		<p>Revision</p>	