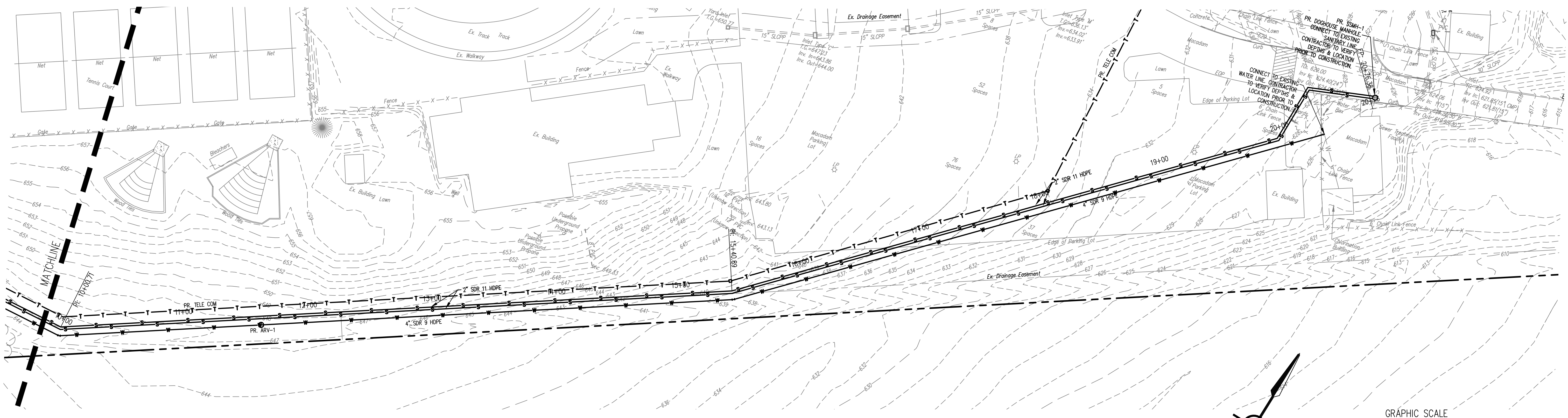




SOILS LEGEND

Soil cover on the site consists of:
CtA - Chester Silt Loom, 0%-3% Slopes
GtB - Glenelg Silt Loom, 3%-8% Slopes
GtC - Glenelg Silt Loom, 8%-15% Slopes
GtD - Glenelg Silt Loom, 15%-25% Slopes
Mst - Manor Silt Loom, 25%-15% Slopes

SURVEY FEATURES LEGEND

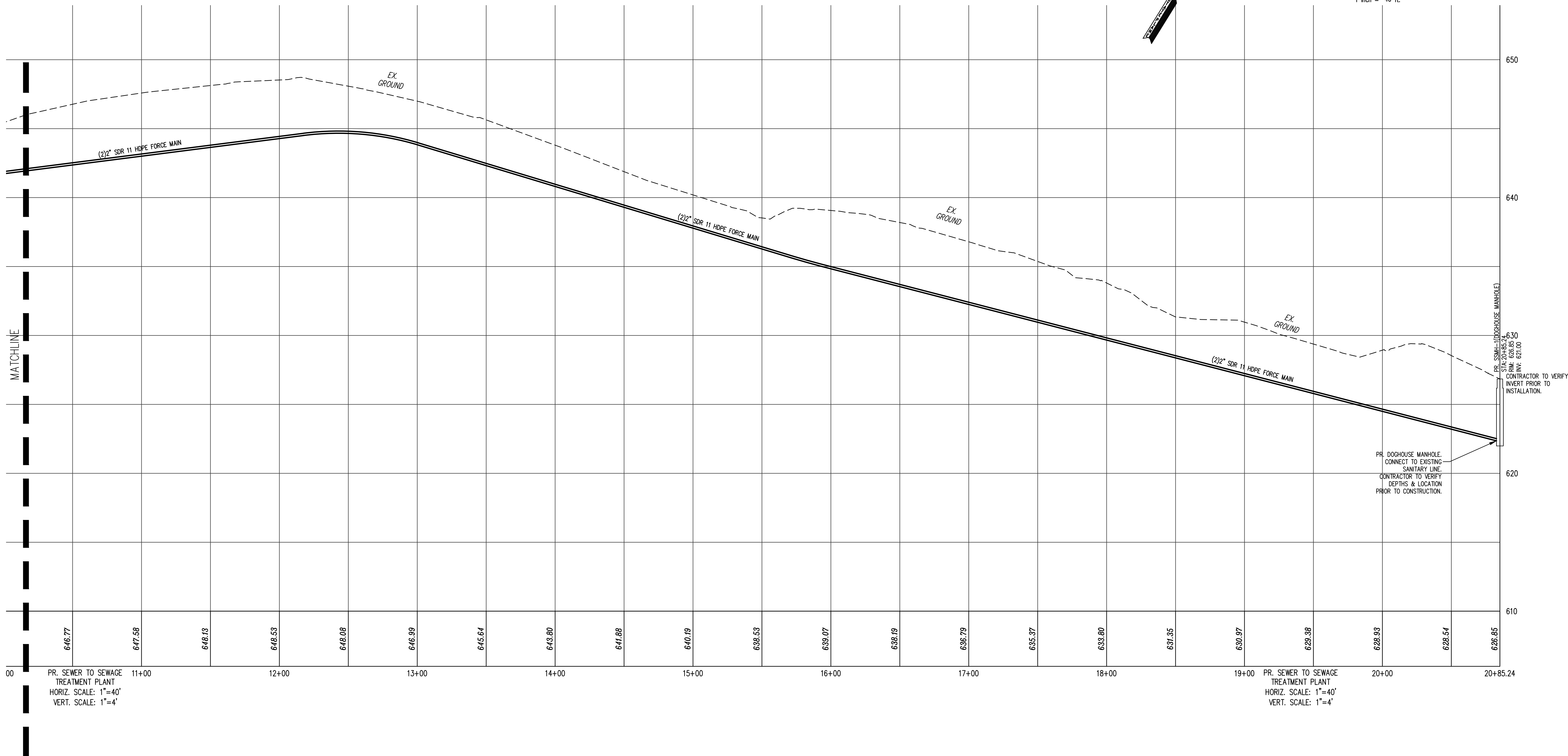
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line

EXISTING FEATURES LEGEND

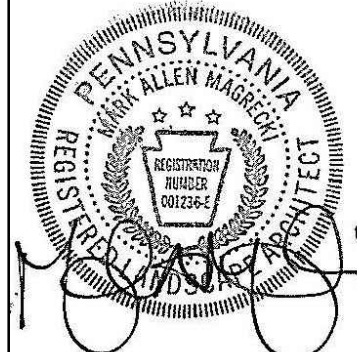
Existing Building
Existing Curbing
Existing Contours(1's)
Existing Contours(5's)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

PROPOSED FEATURES LEGEND

PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY
PROPOSED BITUMINOUS PAVE
PROPOSED HEAVY DUTY BITUMINOUS PAVE



CONFORMED SET



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REVISIONS

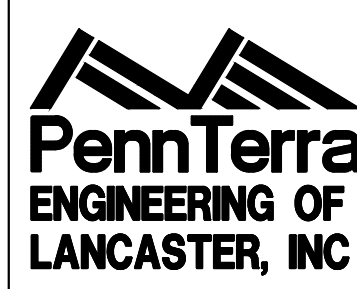
NO.	DATE	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTESVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

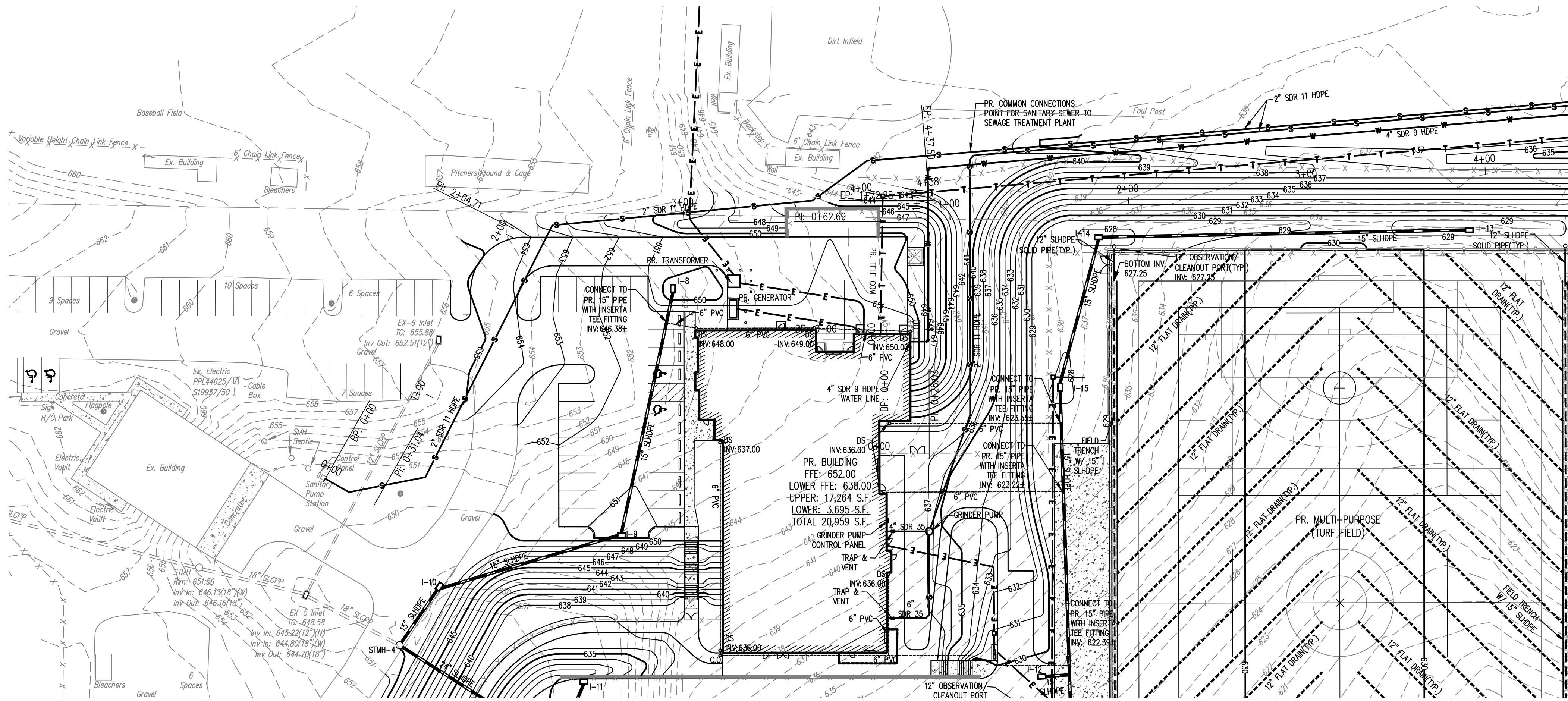
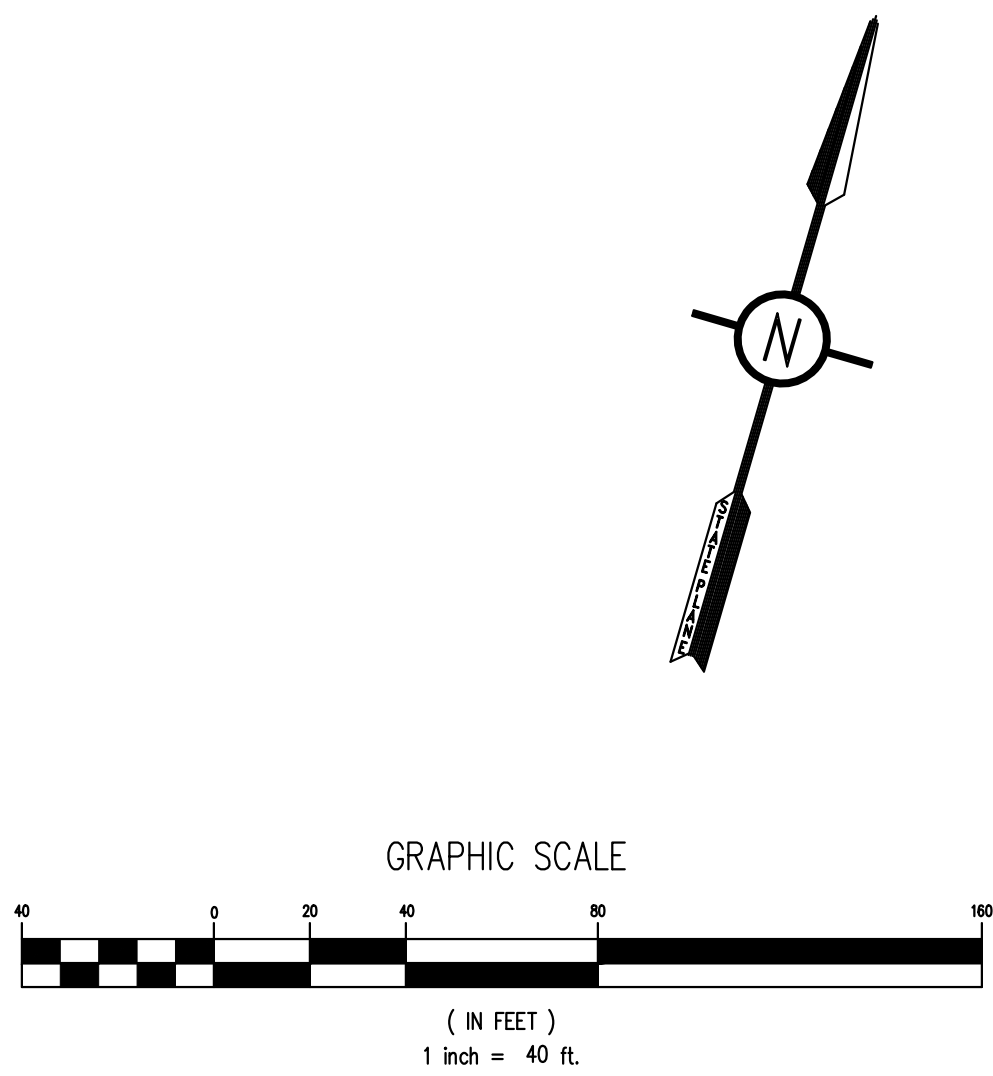


CIVIL
PROFILES

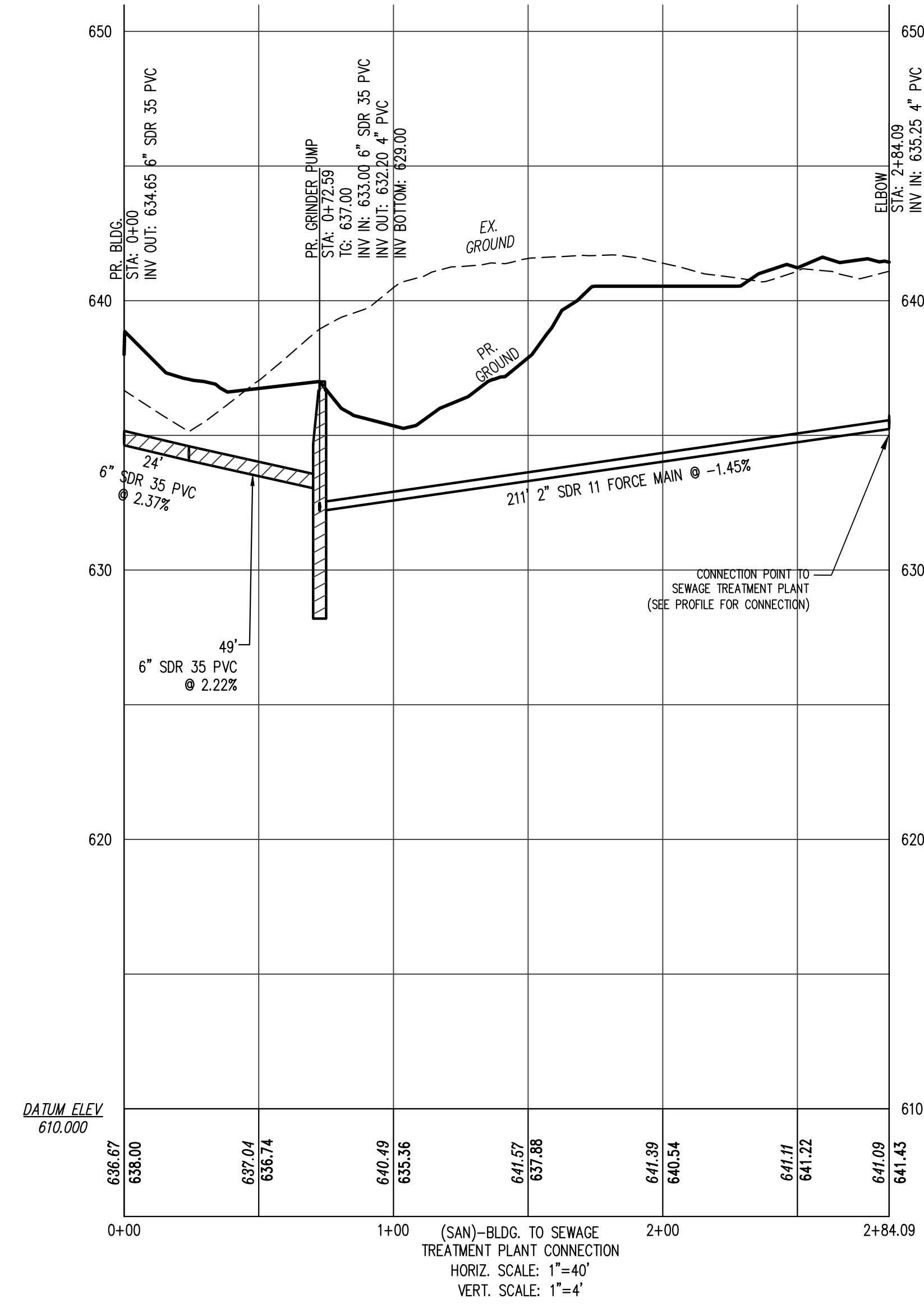
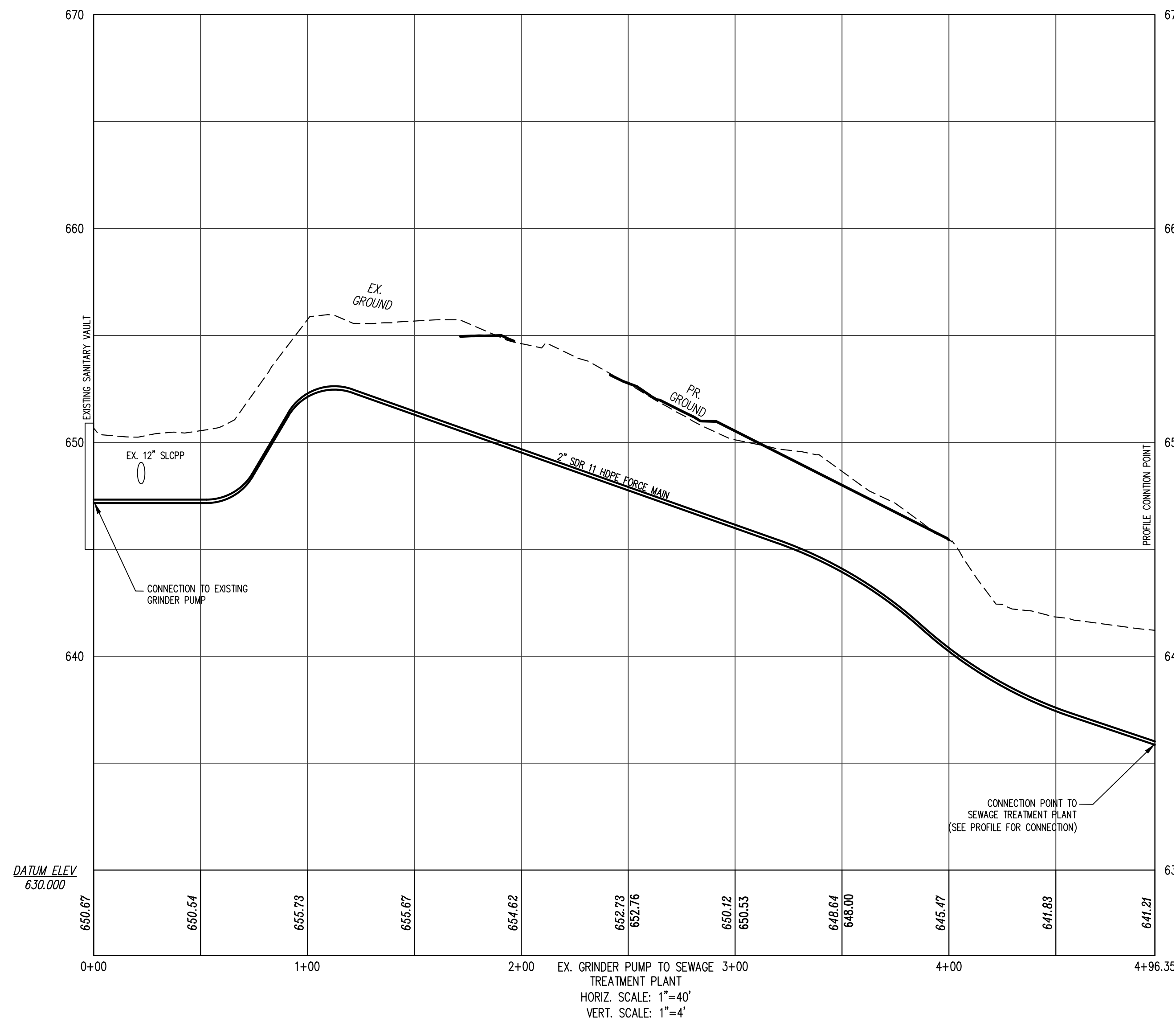
PLOT SCALE:
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FILENAME:
24031
DATE:
JULY 8, 2026

PROJECT
3706

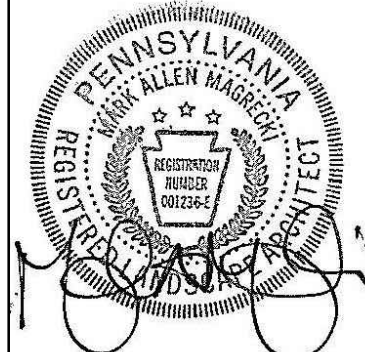
C506



- SOILS LEGEND**
- Soil cover on the site consists of:
- QdA - Chester Silt Loam, 0%-1% Slopes
 - QdP - Glenview Silt Loam, 3%-8% Slopes
 - QdC - Glenview Silt Loam, 8%-15% Slopes
 - GdB - Glenview Silt Loam, 3%-8% Slopes
 - MaC - Manor Silt Loam, 8%-15% Slopes
- SURVEY FEATURES LEGEND**
- Property Line, Lot Line
 - Right-of-Way Line
 - Adjoining Property Line
 - Building Setback Line
- EXISTING FEATURES LEGEND**
- Existing Building
 - Existing Curbing
 - Existing Contours(1's)
 - Existing Contours(5's)
 - Existing Soil Limit Line
 - Existing Soil Type
 - Existing Tree Line
 - Existing Storm Sewer Line
 - Existing Concrete Sidewalk
 - Existing Fence
- PROPOSED FEATURES LEGEND**
- PROPOSED BUILDING
 - PROPOSED CURBING
 - PROPOSED MAJOR CONTOURS
 - PROPOSED MINOR CONTOURS
 - PROPOSED SANITARY SEWER
 - PROPOSED WATER LINE
 - PROPOSED STORM SEWER
 - PROPOSED CONCRETE AREAS
 - PROPOSED BITUMINOUS WALK
 - BITUMINOUS OVERLAY
 - PROPOSED BITUMINOUS PAVE
 - PROPOSED HEAVY DUTY BITUMINOUS PAVE



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REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	07/08/2024	RA	Robert A. Rohrbaugh	Initial Design
2	07/15/2024	RA	Robert A. Rohrbaugh	Revised Design
3	07/22/2024	RA	Robert A. Rohrbaugh	Final Design
4	07/29/2024	RA	Robert A. Rohrbaugh	Final Design
5	08/05/2024	RA	Robert A. Rohrbaugh	Final Design
6	08/12/2024	RA	Robert A. Rohrbaugh	Final Design
7	08/19/2024	RA	Robert A. Rohrbaugh	Final Design
8	08/26/2024	RA	Robert A. Rohrbaugh	Final Design
9	09/02/2024	RA	Robert A. Rohrbaugh	Final Design
10	09/09/2024	RA	Robert A. Rohrbaugh	Final Design

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

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TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

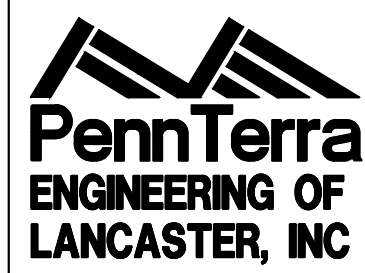
WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



CIVIL
PROFILES

PROJECT
3706

C507

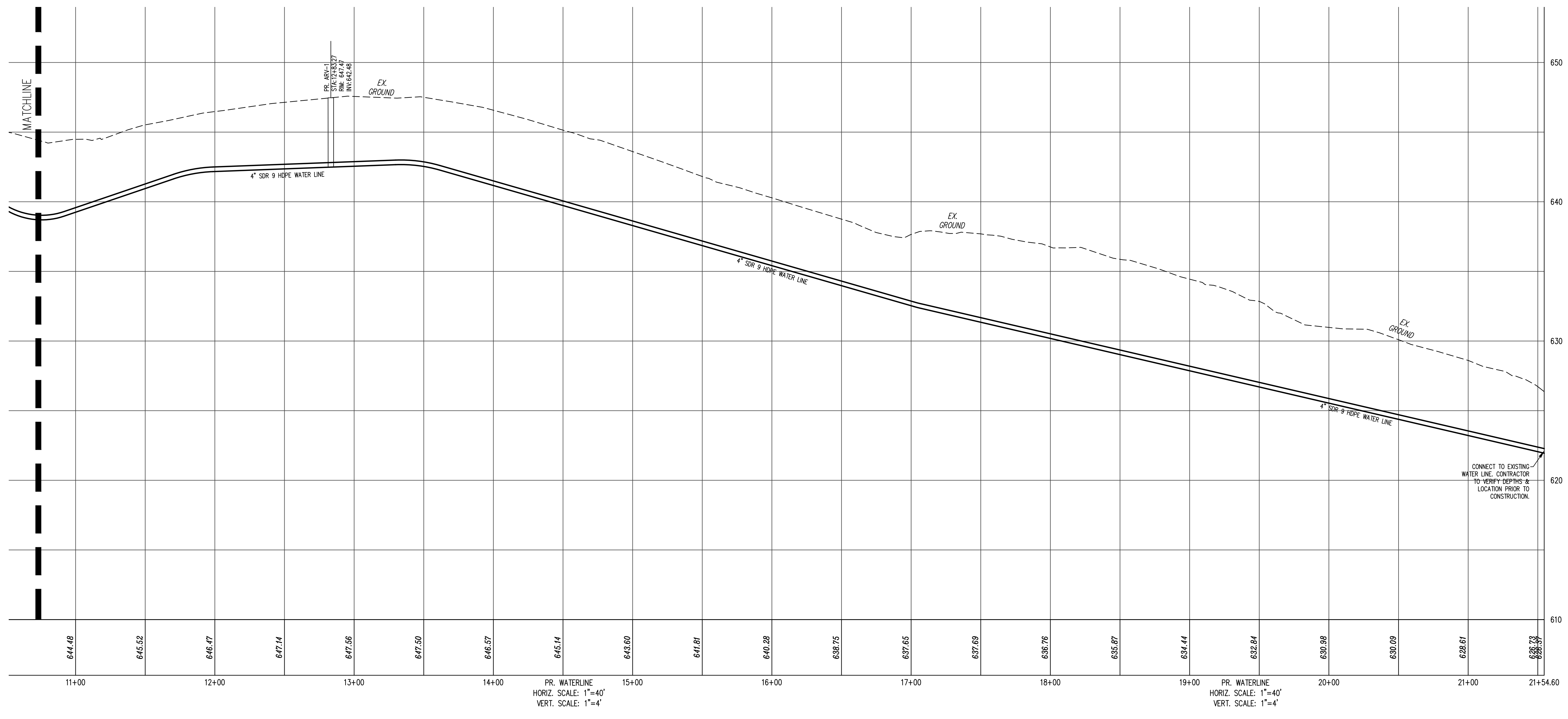
PLOT SCALE:
1"=40'

FILENAME:
24031

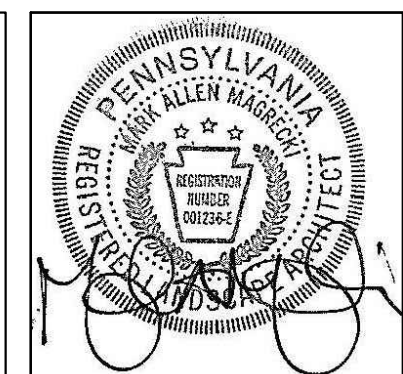
DATE:
JULY 8, 2026



- SOILS LEGEND**
Soil cover on the site consists of:
QvA - Chester Silt Loam, 0%–3% Slopes
QvB - Glenelg Silt Loam, 3%–8% Slopes
QvC - Glenelg Silt Loam, 8%–15% Slopes
QvD - Glenelg Silt Loam, 15%–20% Slopes
QvE - Glenelg Silt Loam, 20%–25% Slopes
QvF - Glenelg Silt Loam, 25%–30% Slopes
QvG - Glenelg Silt Loam, 30%–35% Slopes
QvH - Glenelg Silt Loam, 35%–40% Slopes
QvI - Glenelg Silt Loam, 40%–45% Slopes
QvJ - Glenelg Silt Loam, 45%–50% Slopes
QvK - Glenelg Silt Loam, 50%–55% Slopes
QvL - Glenelg Silt Loam, 55%–60% Slopes
QvM - Glenelg Silt Loam, 60%–65% Slopes
QvN - Glenelg Silt Loam, 65%–70% Slopes
QvO - Glenelg Silt Loam, 70%–75% Slopes
QvP - Glenelg Silt Loam, 75%–80% Slopes
QvQ - Glenelg Silt Loam, 80%–85% Slopes
QvR - Glenelg Silt Loam, 85%–90% Slopes
QvS - Glenelg Silt Loam, 90%–95% Slopes
QvT - Glenelg Silt Loam, 95%–100% Slopes
- SURVEY FEATURES LEGEND**
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
- EXISTING FEATURES LEGEND**
Existing Building
Existing Curbing
Existing Contours(1%)
Existing Contours(5%)
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Existing Tree Line
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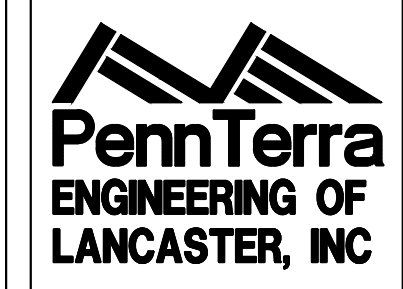
NO.	DATE	BY	DESCRIPTION OF CHANGES

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717-458-0272

TOWSON, MARYLAND
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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

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CIVIL PROFILES	PROJECT 3706
PLOT SCALE: 1"=40'	C509
FILENAME: 240031	
DATE: JULY 8, 2026	

[illegible]

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TOWSON, MARYLAND

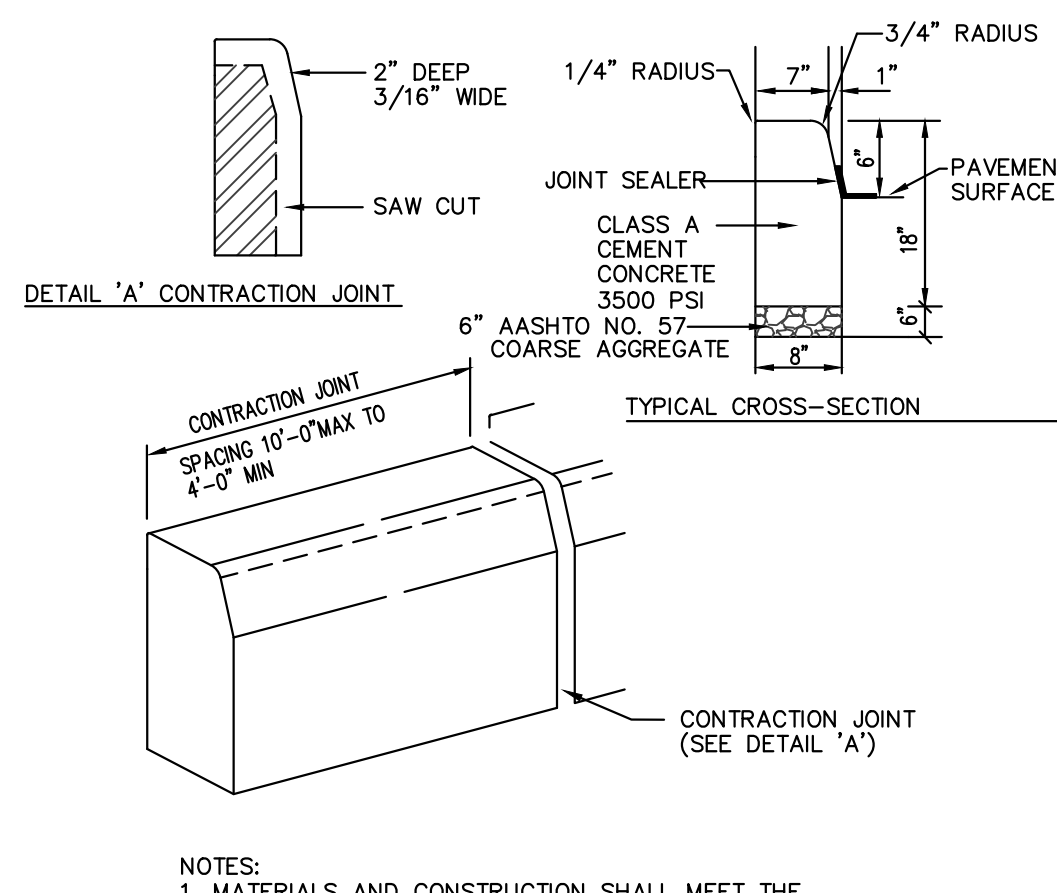
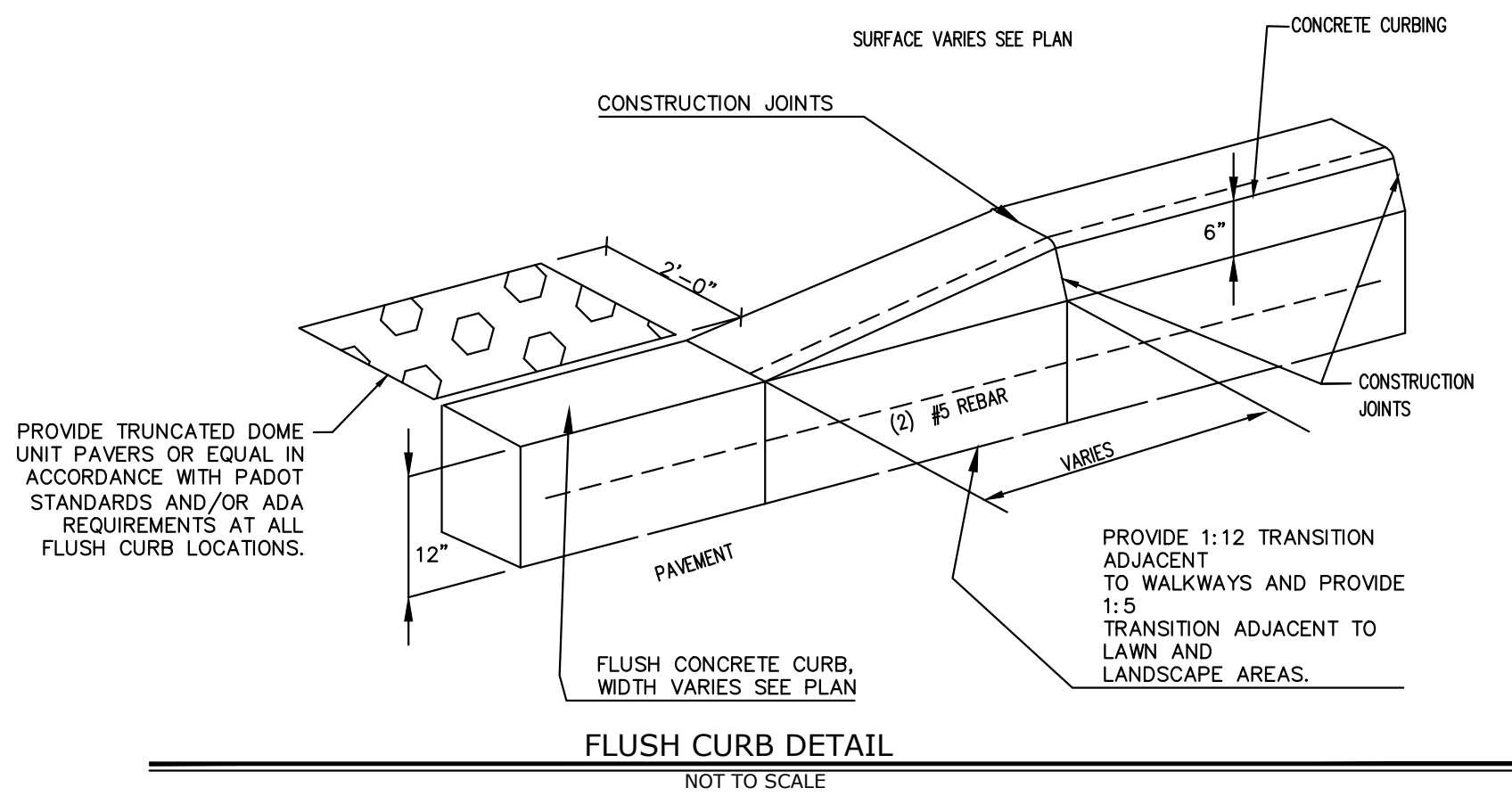
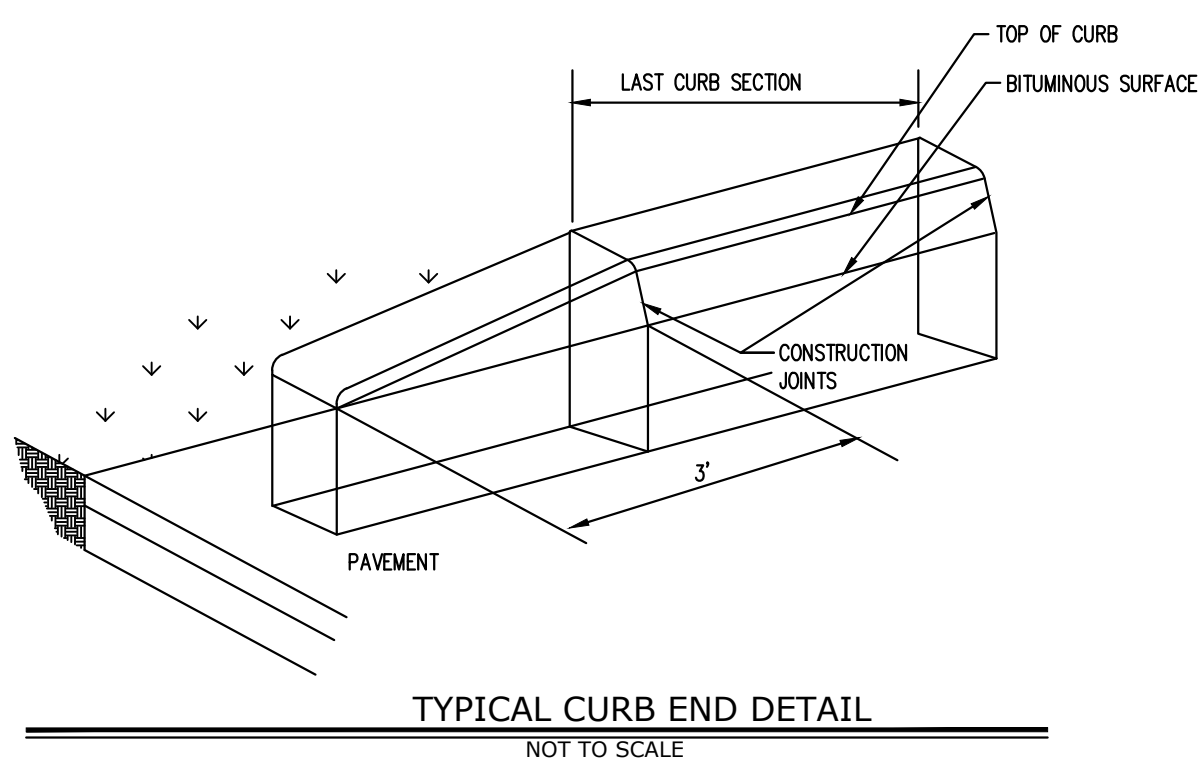
401 EAST WINDING HILL ROAD

WHITE SULPHUR SPRINGS, WEST VIRGINIA

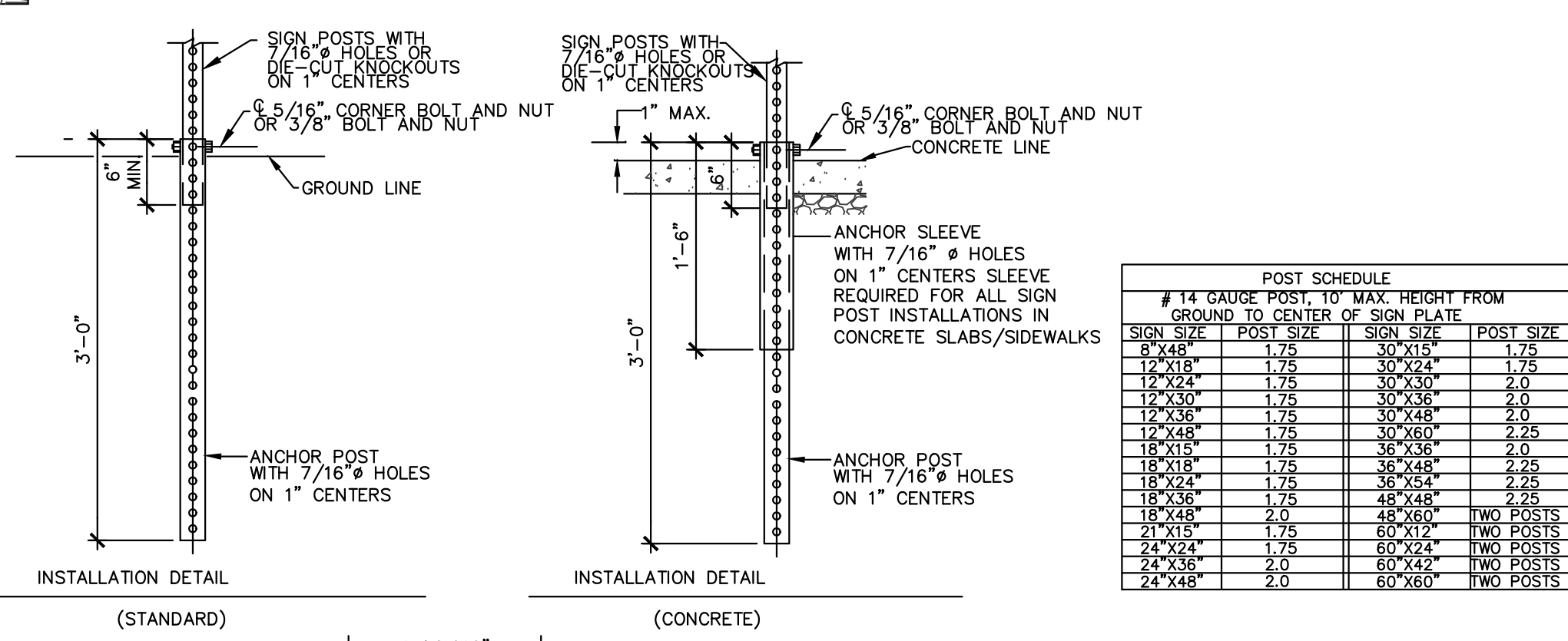
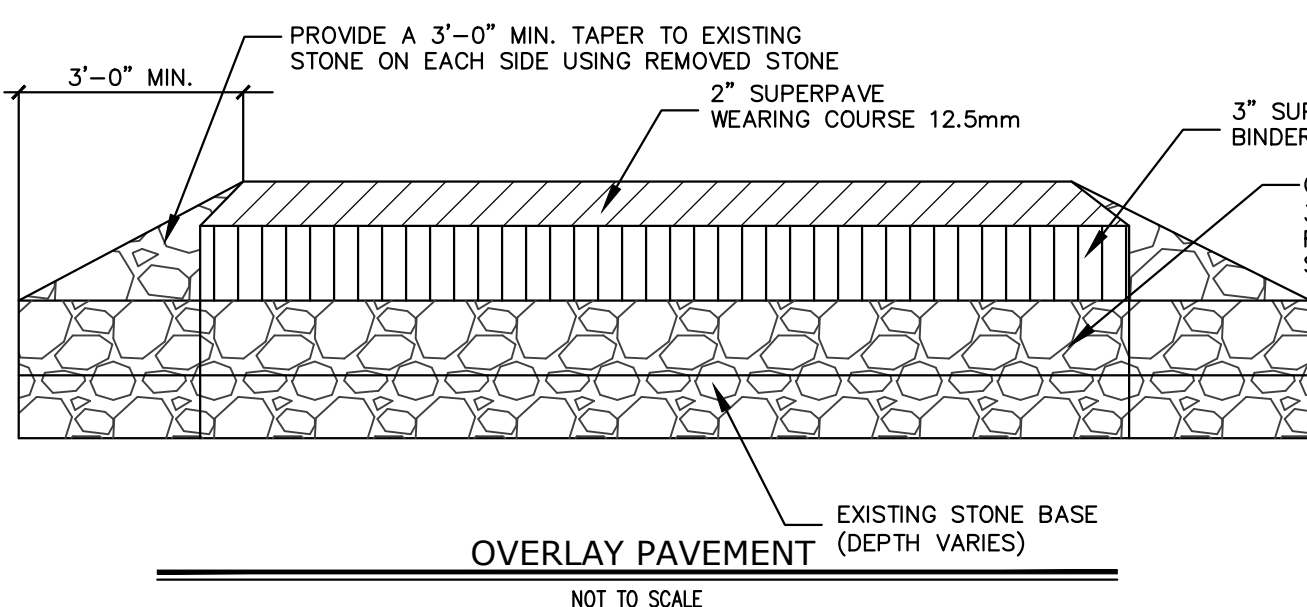
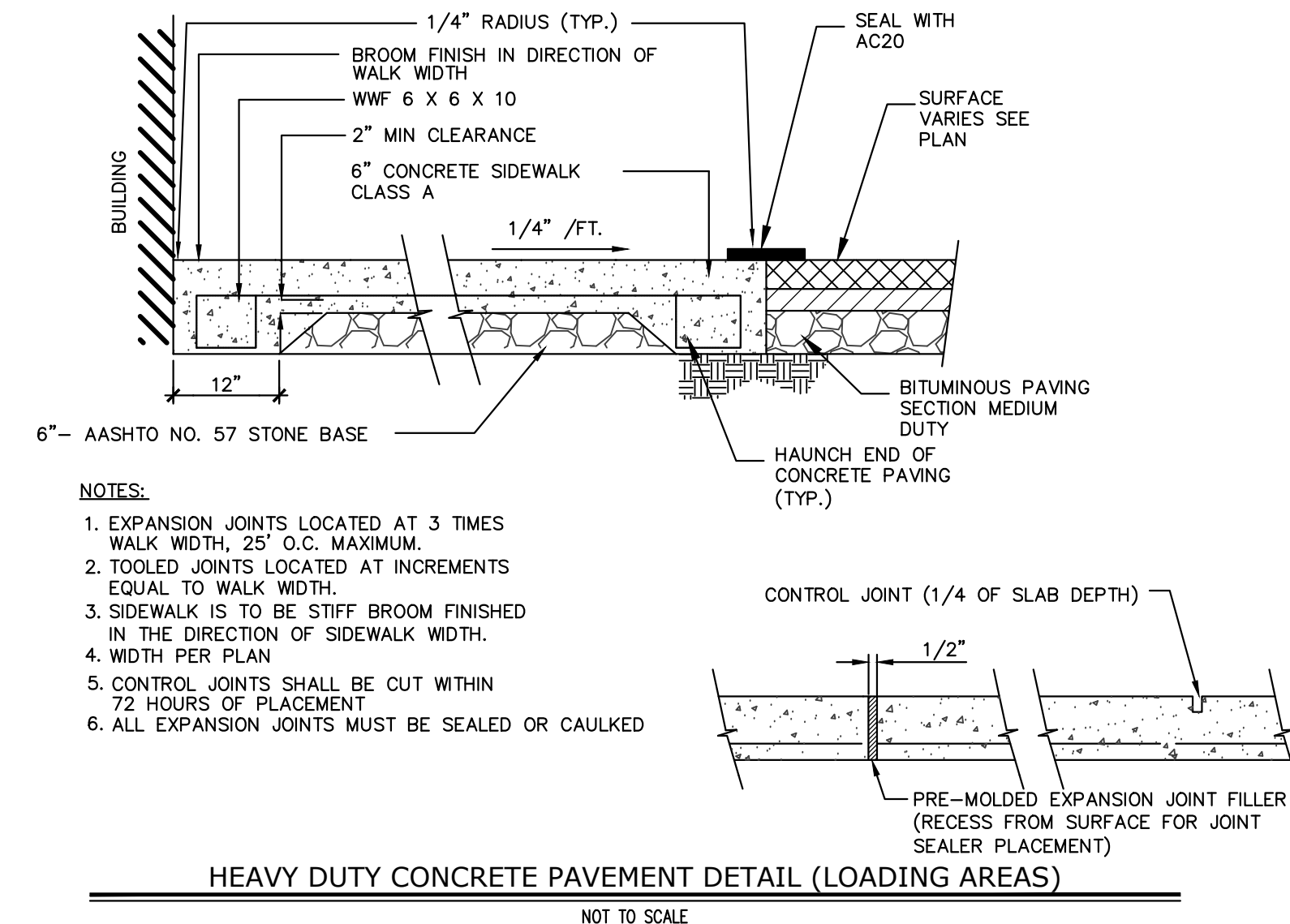
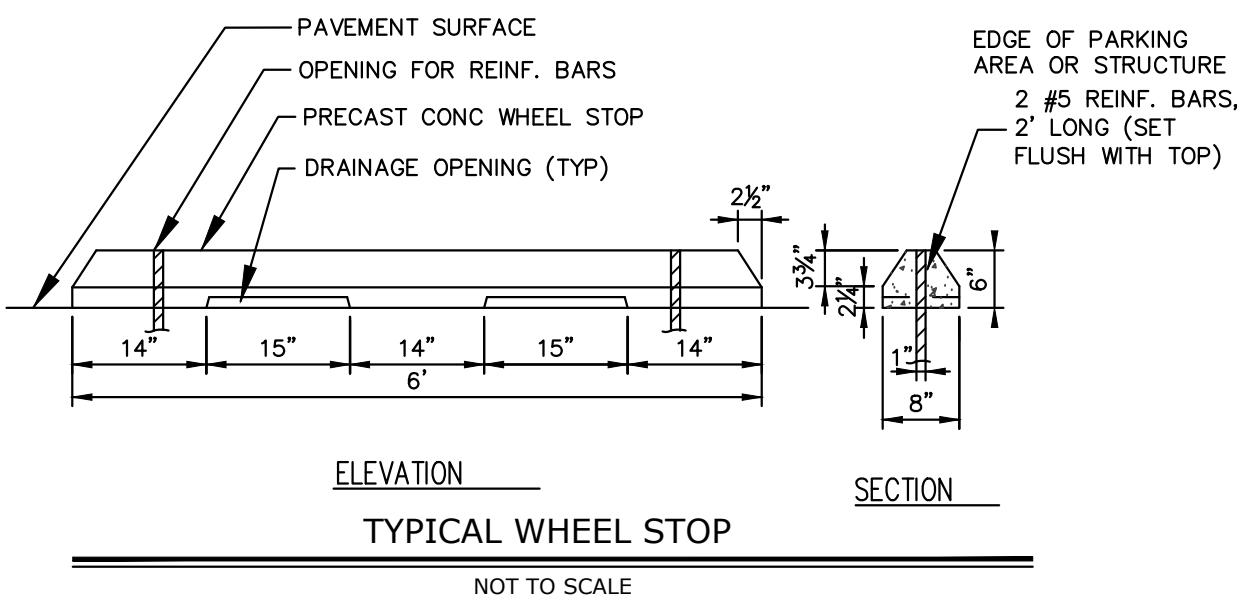
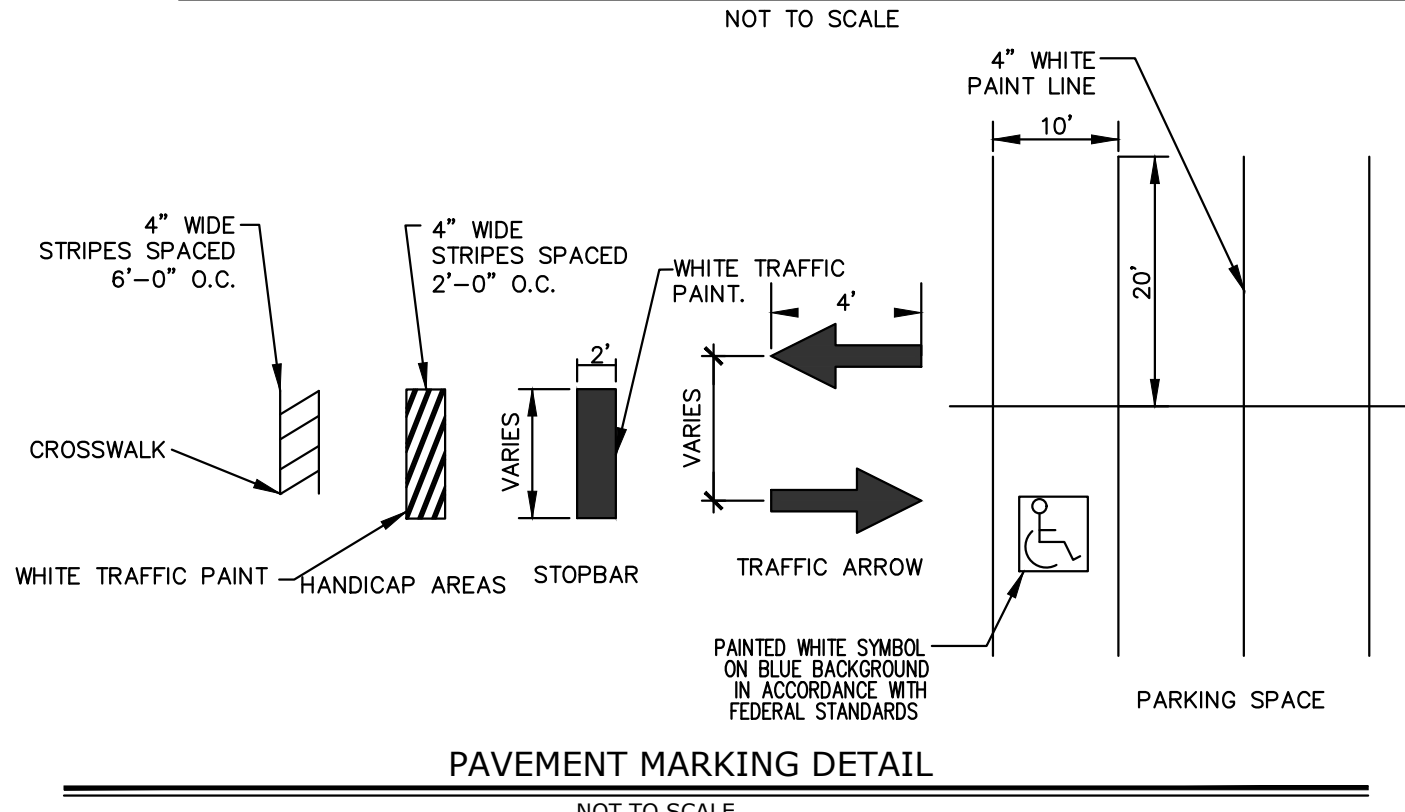
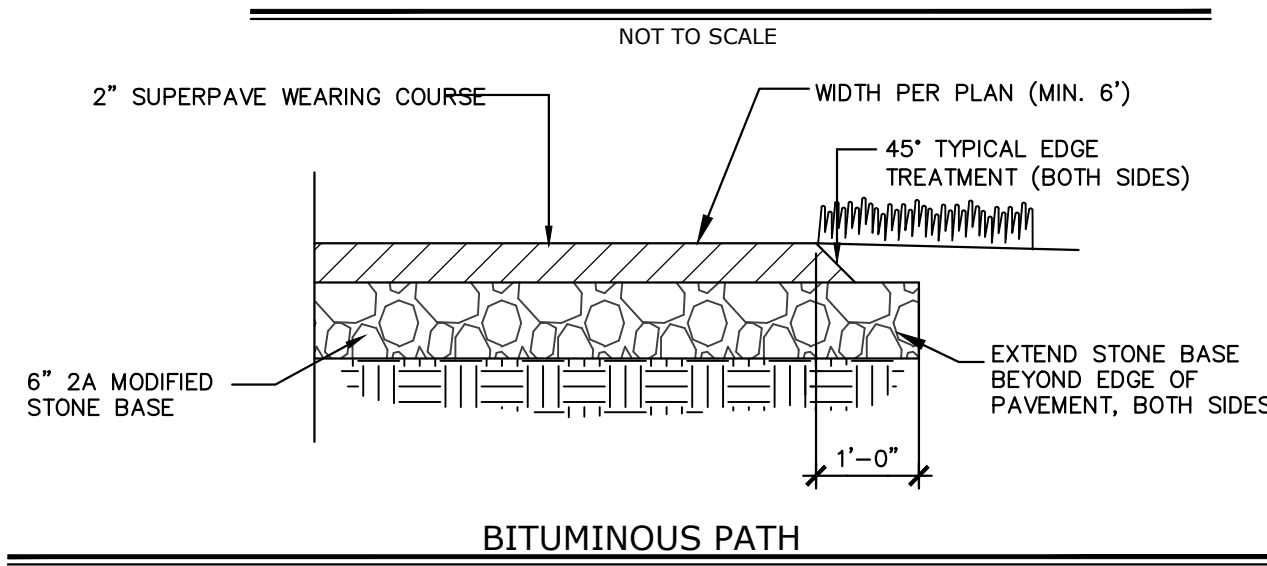
NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

PROJECT
3706

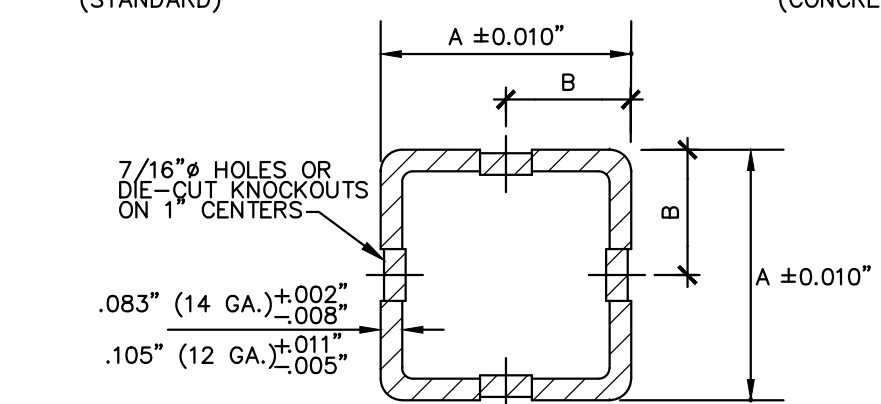
C600



STANDARD CONCRETE CURE



POST SCHEDULE			
# 14 GAUGE POST, 10" MAX. HEIGHT FROM GROUND TO CENTER OF SIGN PLATE			
SIGN SIZE	POST SIZE	SIGN SIZE	POST SIZE
8" X 48"	1.75	30" X 15"	1.75
12" X 18"	1.75	30" X 24"	1.75
12" X 24"	1.75	30" X 36"	2.0
12" X 30"	1.75	30" X 48"	2.0
12" X 36"	1.75	30" X 60"	2.25
18" X 15"	1.75	36" X 36"	2.0
18" X 18"	1.75	36" X 48"	2.25
18" X 24"	1.75	36" X 60"	2.25
18" X 36"	2.0	48" X 48"	2.25
18" X 48"	2.0	48" X 60"	TWO POSTS
24" X 15"	1.75	60" X 24"	TWO POSTS
24" X 24"	2.0	60" X 36"	TWO POSTS
24" X 36"	2.0	60" X 48"	TWO POSTS
24" X 48"	2.0	60" X 60"	TWO POSTS

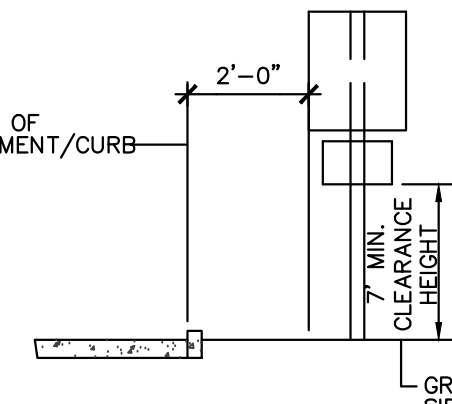


SIGN POST				ANCHOR POST				ANCHOR SLEEVE*				SPLICE SLEEVE			
SIZE	DIMENSION		GAUGE	SIZE	DIMENSION		GAUGE	SIZE	DIMENSION		GAUGE	SIZE	DIMENSION		GAUGE
	A	B			A	B			A	B			A	B	
1.75"	1 3/4"	3"	14	2.0"	2"	1"	12	2.35"	2 1/4"	1 1/8"	12	1.00"	1 1/2"	3/4"	14
2.0"	2"	3"	14	2.35"	2 1/4"	1 1/8"	12	2.50"	2 1/2"	1 1/4"	12	1.75"	3"	7/8"	14
2.35"	2 1/4"	1 1/8"	14	2.50"	2 1/2"	1 1/4"	12	3.00"	3"	1 1/2"	3/16"	2.00"	3"	1"	14

* ONLY REQUIRED FOR INSTALLATIONS IN CONCRETE.

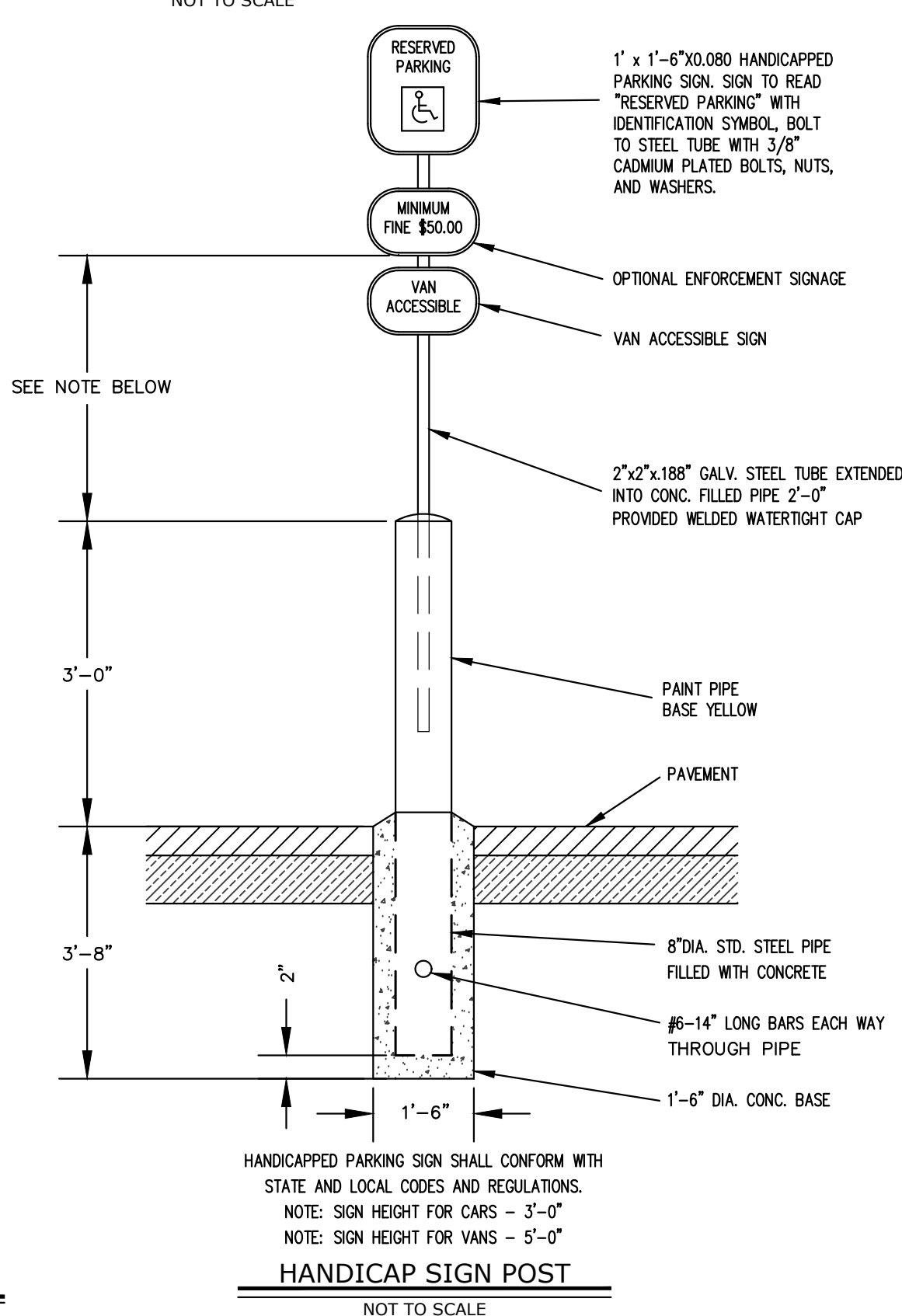
SQUARE STEEL POSTS

SITE INFORMATION SIGNAGE DETAIL



INSTALLATION NOTES

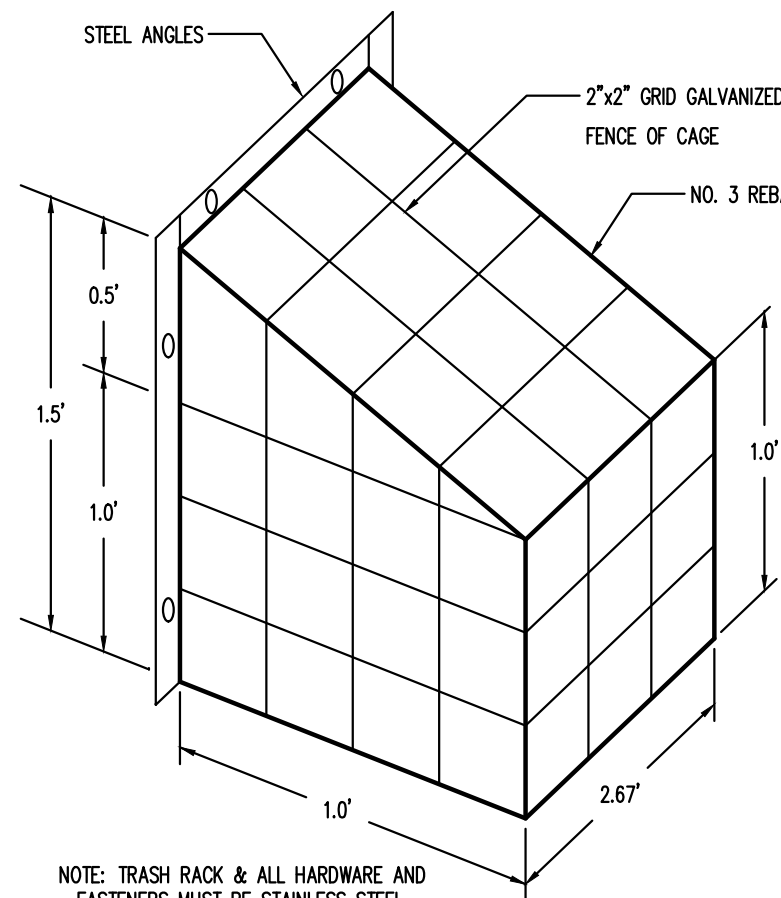
1. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH PUB. 408
2. SIGN POSTS AND SPLICE SLEEVES SHALL HAVE 7/16" DIAMETER HOLES OR DIE-CUT KNOCKOUTS ON 1" CENTERS ON ALL FOUR SIDES. ANCHOR POSTS AND ANCHOR SLEEVES SHALL HAVE 7/16" DIAMETER HOLES ON 1" CENTERS ON ALL FOUR SIDES.
3. BOLTS AND NUTS SHALL BE ASTM-307, GRADE 2.
4. DRIVE RIVETS MAY BE USED TO FASTEN SIGN BLANKS TO THE SIGN POST.



STATE AND LOCAL CODES AND REGULATIONS.
NOTE: SIGN HEIGHT FOR CARS - 3'-0"
NOTE: SIGN HEIGHT FOR VANS - 5'-0"

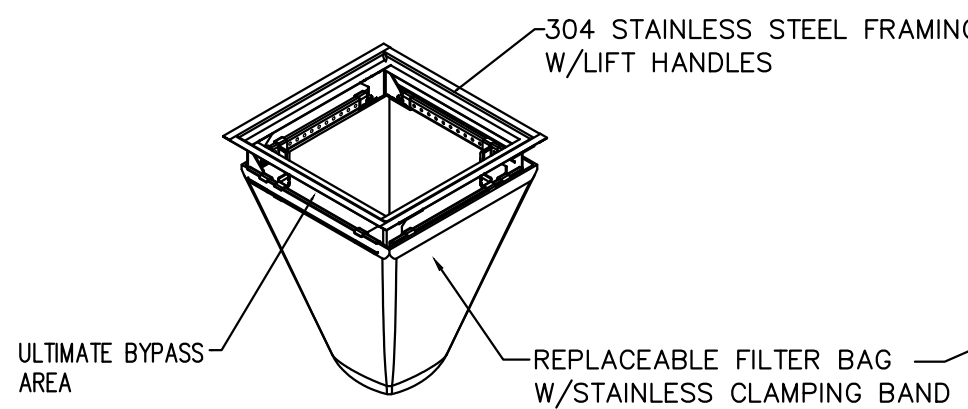
NOT TO SCALE

C600



ORIFICE PLATE TRASH RACK DETAIL

FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING



FLEXSTORM PURE INLET
FILTERS FOR RECTANGULAR
OPENINGS WITH GRATES

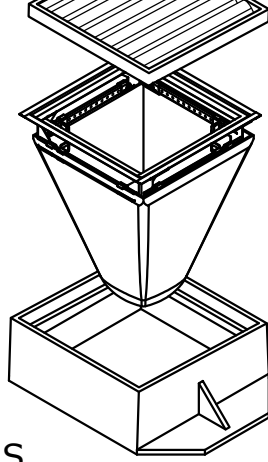
Product selection for FLEXSTORM PURE Filters (Permanent Inlet Protection)											
Descrip	Inlet Type	Grate Size	Opening Size	Bag Cap (ft)	Flow Ratings (CFS)			FX	FX+	PC	PC+
					FX/PC+	PC/PC+	Bypass				
2' x 2' Frame and Grate	Square/Rect (SQ)	24 x 24	22 x 22	3.3	1.8	1.6	4.8	62MHD22FX	62MHD22FXP	62MHD22PC	62MHD22PCP
2' x 4' Penndot Type M & C	Square/Rect (SQ)	26.5 x 48	24 x 44.5	6.3	3.1	2.2	9.5	62PENNM4DFX	62PENNM4DFXP	62PENNM4DPC	62PENNM4DPCP
2' x 6' Frame and Grate	Concrete Box (HD4)	26.5 x 75	24 x 72	10.0	4.8	4.1	13.0	62PENNH22x6FX	62PENNH22x6FXP	62PENNH22x6PC	62PENNH22x6PCP
3 x 3' Frame and Grate	Square/Rect (SQ)	37.5 x 37.5	36 x 36	7.2	4.4	3.2	9.6	62HDXLFX	62HDXLFXP	62HDXLPC	62HDXLPCP
48" Open Throat Curb Inlet	Wall Mount (WM)	N/A	48	3.3	2.5	4.2	N/A	62HDXWM8FX	62HDXWM8FXP	62HDXWM8PC	62HDXWM8PCP

*FLOW RATINGS SHOWN ARE 50%
MAXIMUM.

- ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING.
- TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
- UPON ORDERING ADD P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:

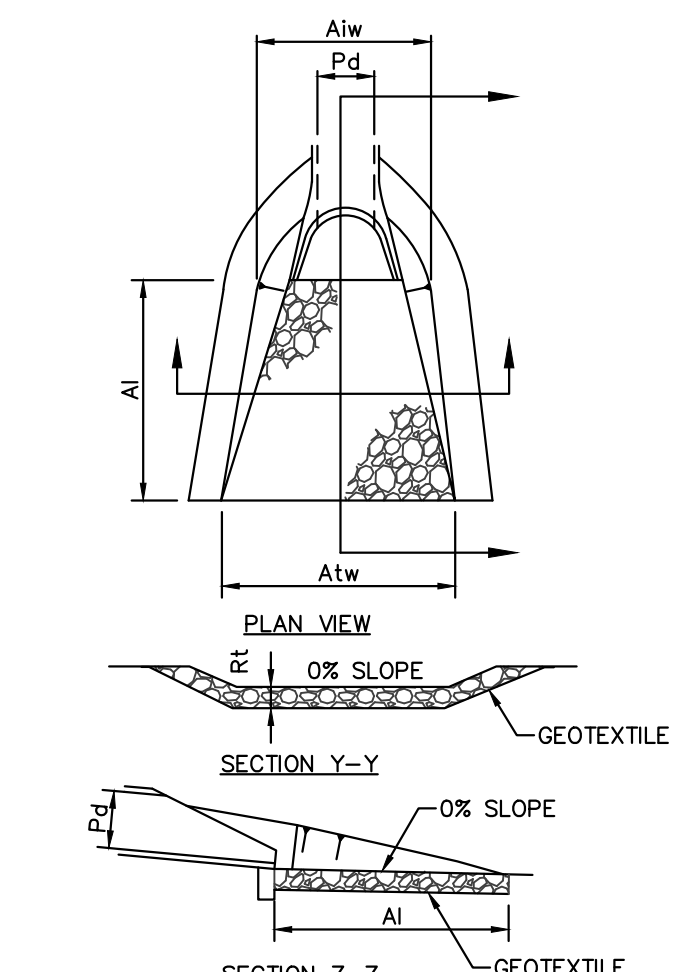
- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE



ALL PROPOSED INLETS ARE TO RECEIVE FLEXSTORM INLET FILTERS. ALSO EXISTING INLET 3 SHALL RECEIVE A FLEXSTORM INLET FILTER.

FLEXSTORM PURE INLET PROTECTION FILTERS

NOT TO SCALE



OUTLET NO.	PIPE DIA. P4 (IN)	SIZE R=	THICK RT (IN)	LENGTH AI (FT)	INITIAL WIDTH AIW (FT)	TERMINAL WIDTH AIW (FT)
EW-1	24"	5	27	20	6	26
EW-2	15"	4	18	12	4	16
EW-3	15"	5	27	16	4	20
EW-4	30"	5	18	16	7.5	24
EW-5	18"	4	18	10	5	15

NOTES: ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

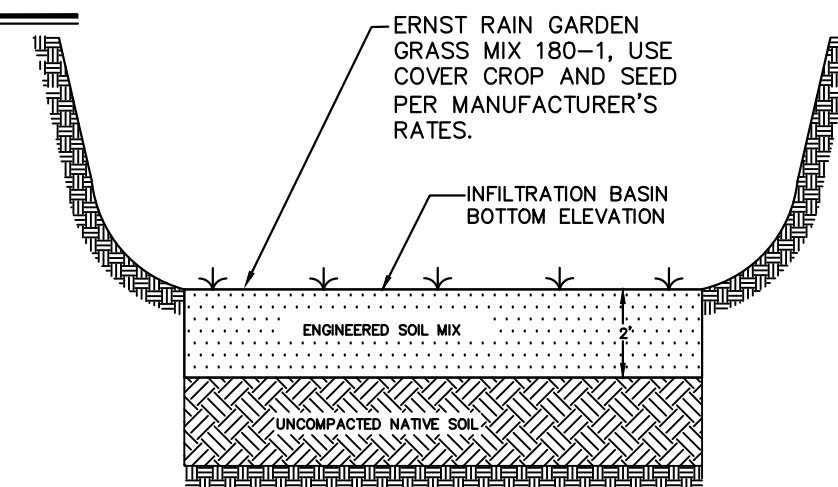
ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

RIP-RAP APRON AT PIPE OUTLET
WITH FLARED END SECTION OR ENDWALL

NOT TO SCALE

TYPICAL INFILTRATION BASIN BOTTOM EXCAVATION

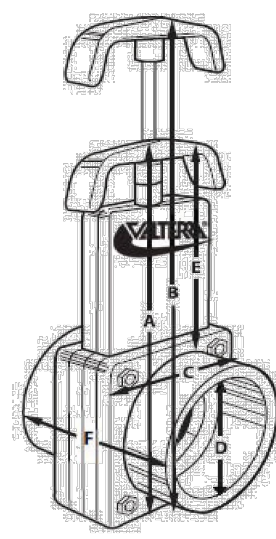
NOT TO SCALE



ENGINEERED SOIL MIX
MAXIMUM CLAY CONTENT IS 1%; SOIL MIXTURE SHALL BE 5-10% SAND; 5-15% LEAF COMPOST; AND 80-90% NATIVE TOPSOIL. LEAF COMPOST IS ESSENTIALLY COMPOSED OF AGED LEAF MULCH AND PROVIDES ORGANIC MATTER TO IMPROVE THE HEALTH OF THE SOIL AND ENSURE ADEQUATE SOIL STRUCTURE. THE SOIL MUST BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES SHOULD BE MIXED OR DUMPED WITHIN THE BIORETENTION THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS. THE PLANTING SOIL MUST BE FREE OF PLANT OR SEED MATERIAL OF NON-NATIVE, INVASIVE SPECIES, OR NOXIOUS WEEDS. PH RANGE: 5.5-6.5. ORGANIC MATTER: 1.5 - 3.0%.

SCM-2 INFILTRATION BASIN BOTTOM CROSS SECTION

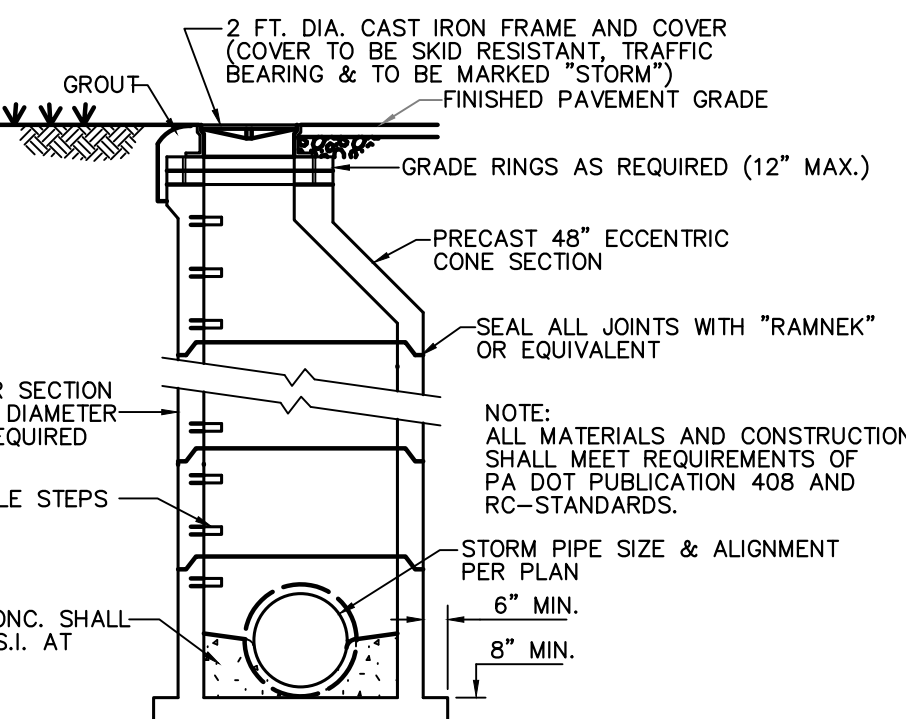
NOT TO SCALE



MANUAL VALVE DIMENSIONS (Inches)						
Size	A	B	C	D	E	F
4 PVC	13.25	18	6.665	4.518	7.4375	5.1875

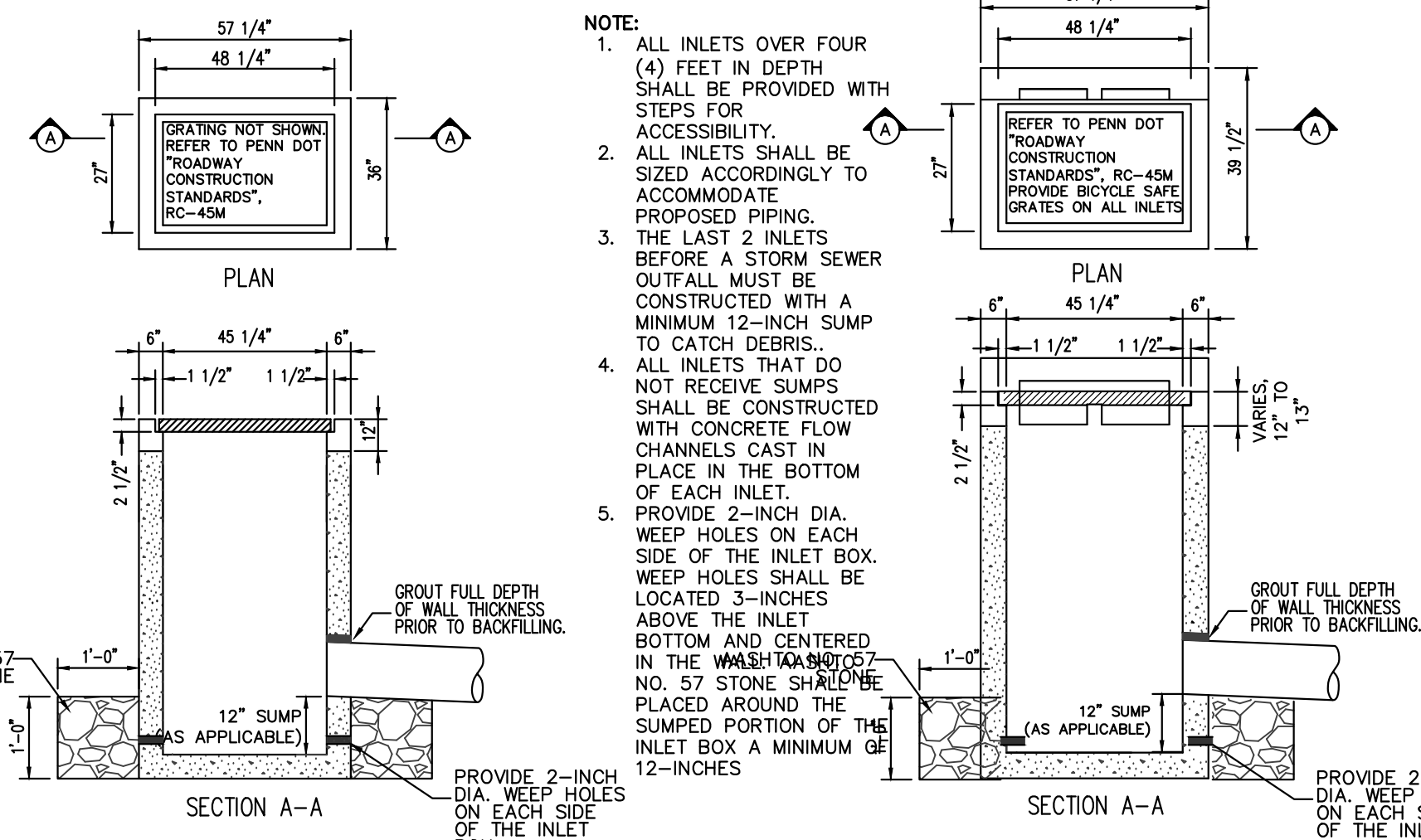
4\"/>

NOT TO SCALE



STORM MANHOLE DETAIL (TYPICAL SECTION)

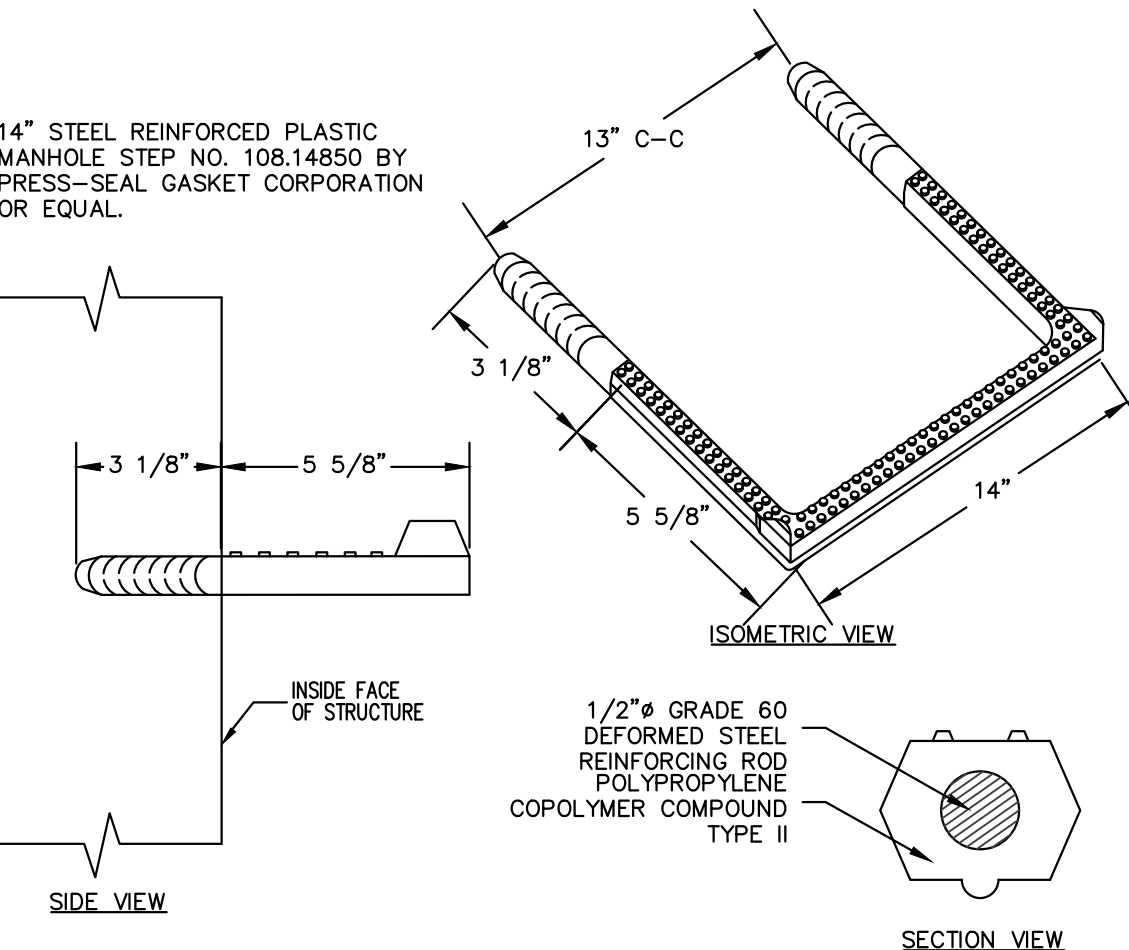
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TYPE \"M\" INLET X-SECTION

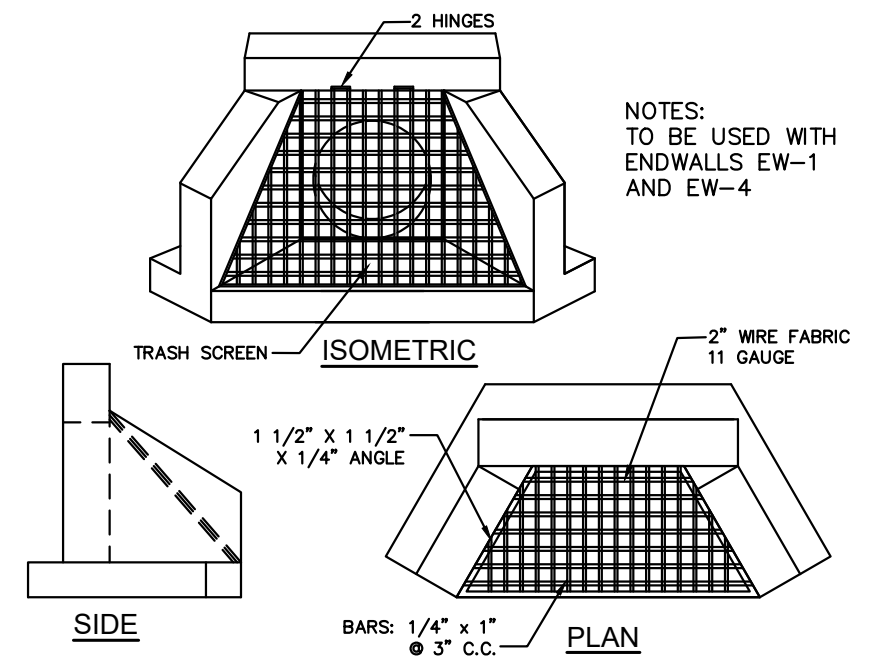
TYPE \"C\" INLET X-SECTION

NOT TO SCALE



STEEL REINFORCED PLASTIC MANHOLE STEP

NOT TO SCALE

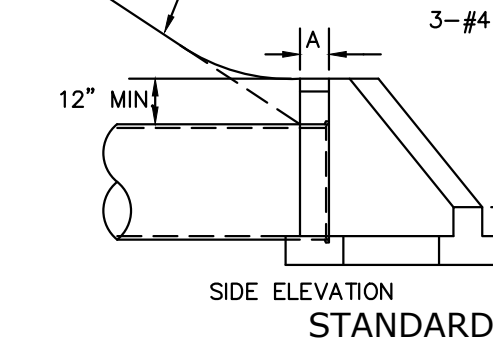


TYPE D-W HEADWALL & ENDWALL WITH TRASH RACK

NOT TO SCALE

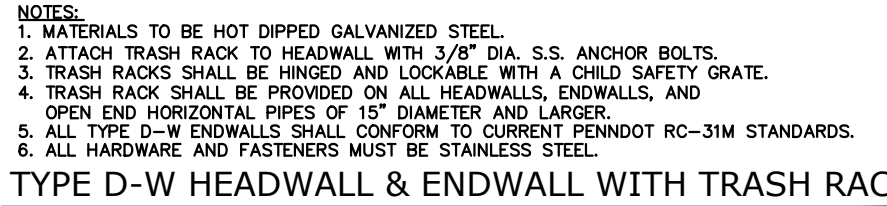
NOTES:

- CONCRETE SHALL BE CLASS \"A\" EXPOSED EDGES SHALL BE CHAMFERED ONE (1) INCH.
- ALL 1\"/>
- PROVIDE CONC. APRON WHEN TRASH RACK IS TO BE INSTALLED ON HEADWALL. SEE TRASH RACK DETAIL.



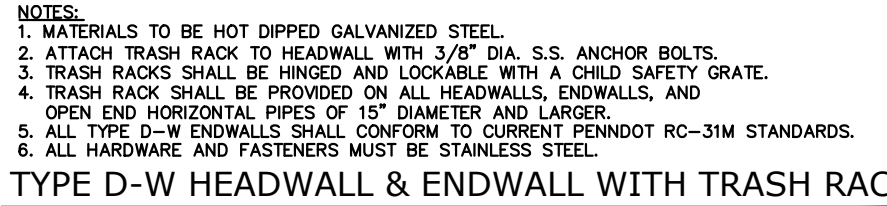
STANDARD TYPE DW ENDWALL

NOT TO SCALE



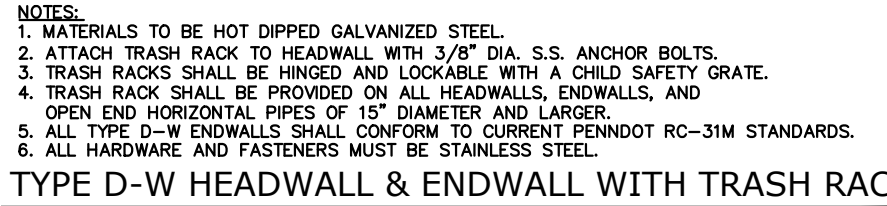
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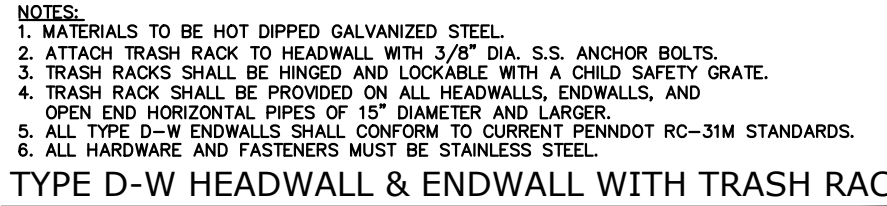
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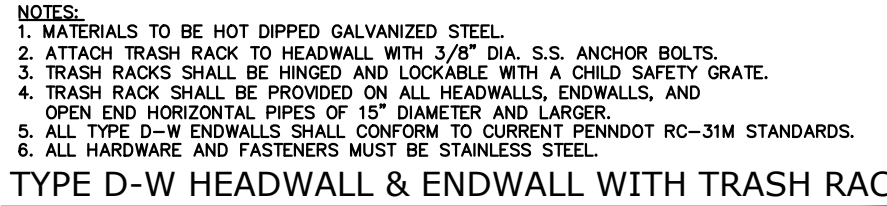
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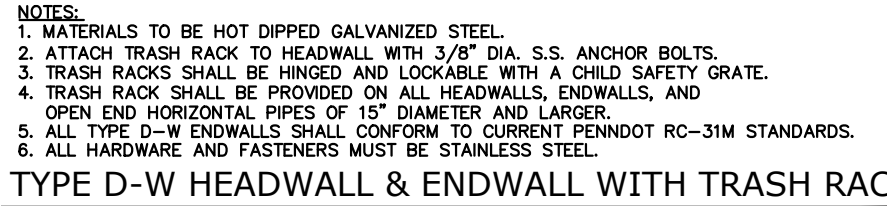
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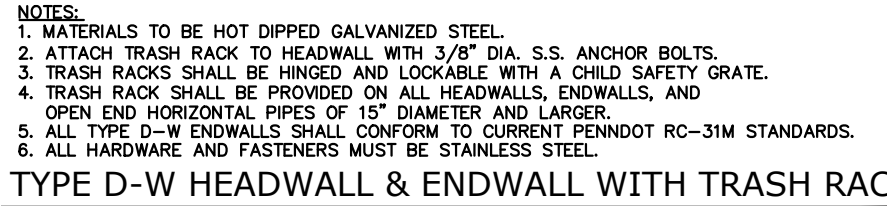
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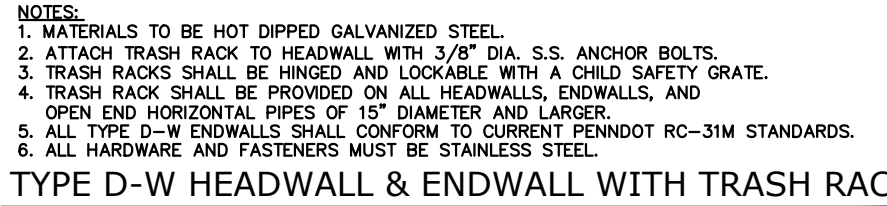
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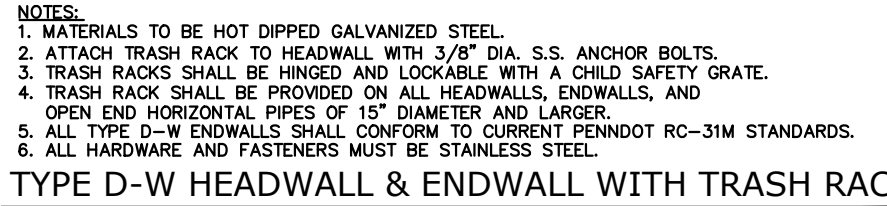
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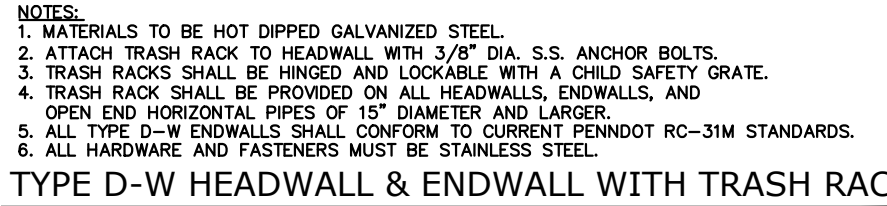
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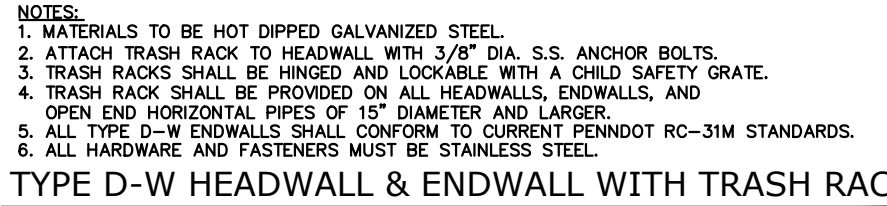
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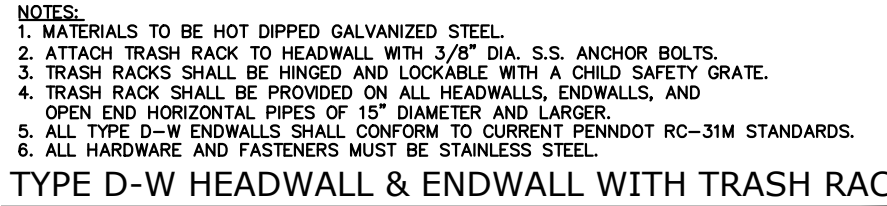
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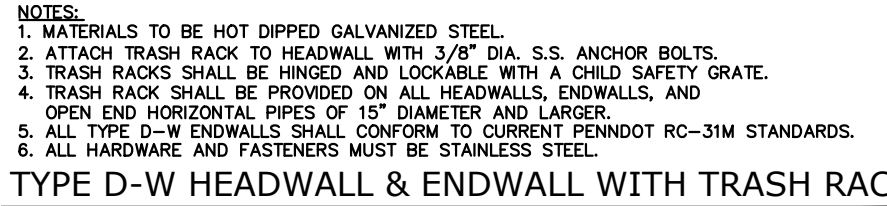
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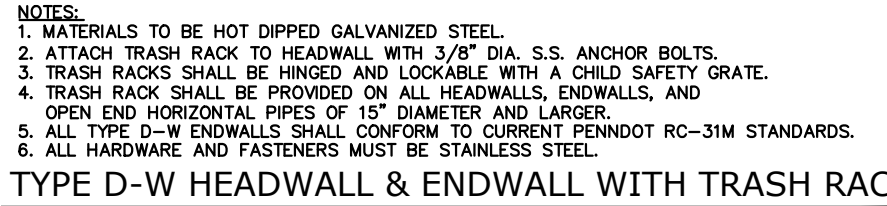
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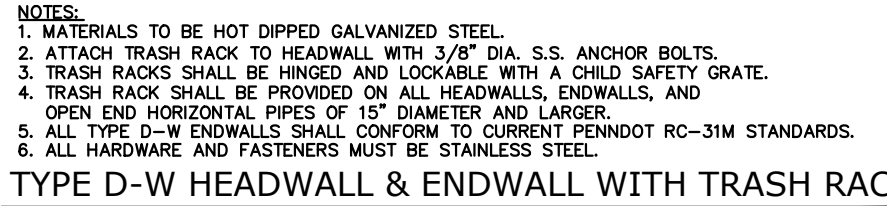
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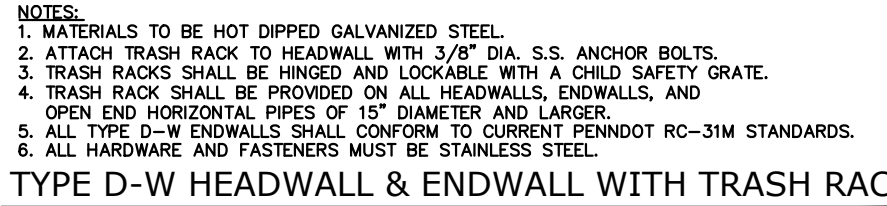
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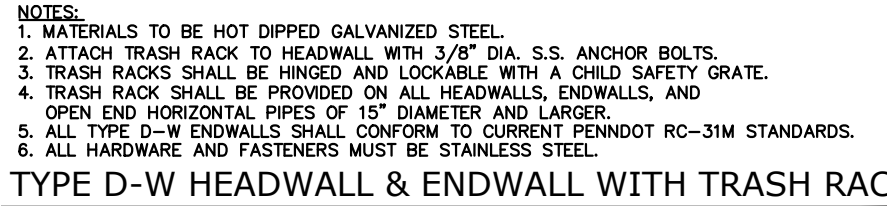
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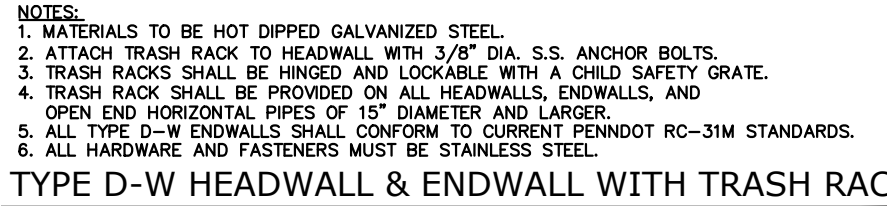
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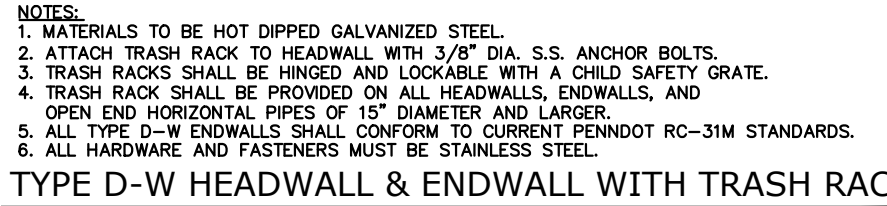
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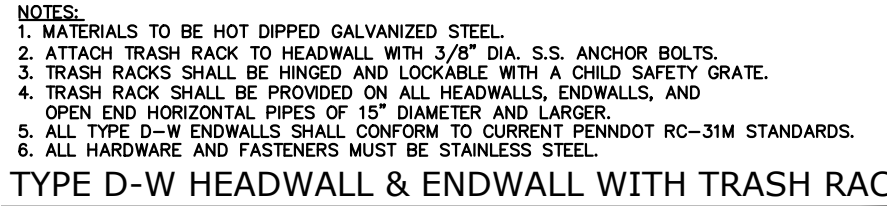
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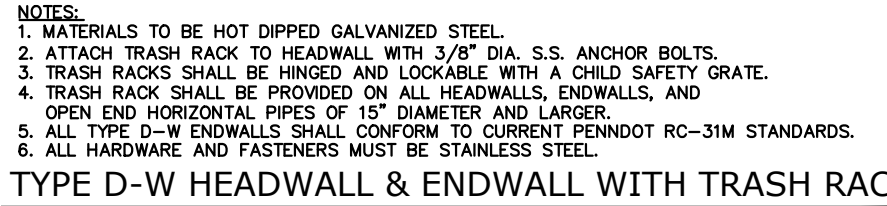
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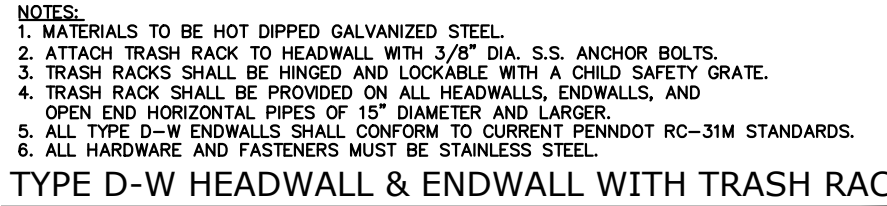
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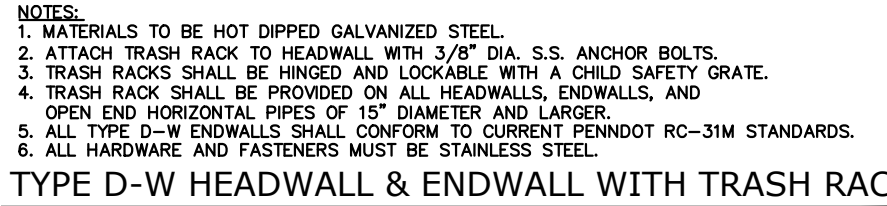
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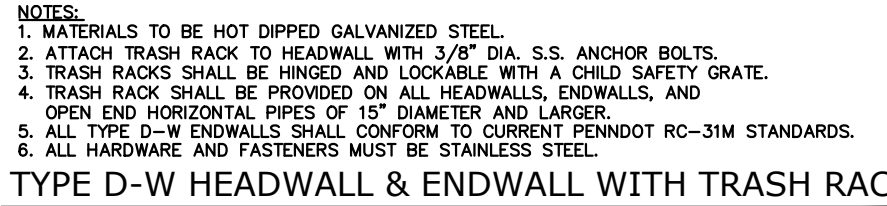
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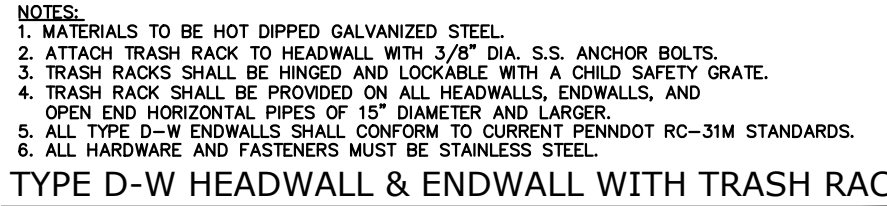
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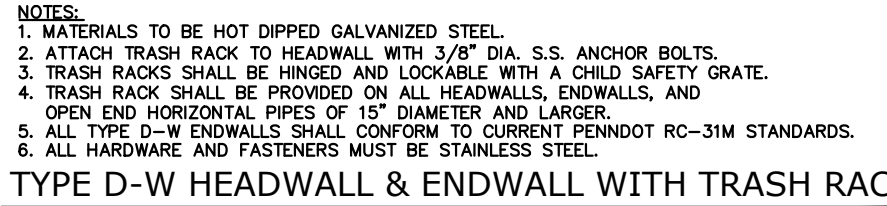
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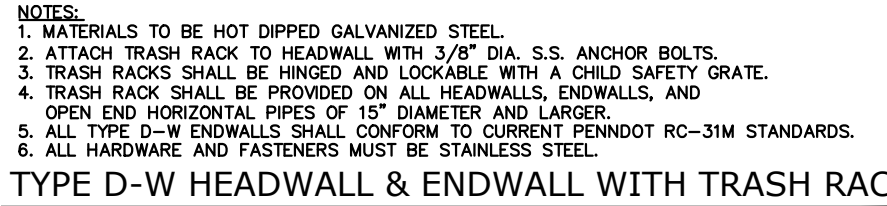
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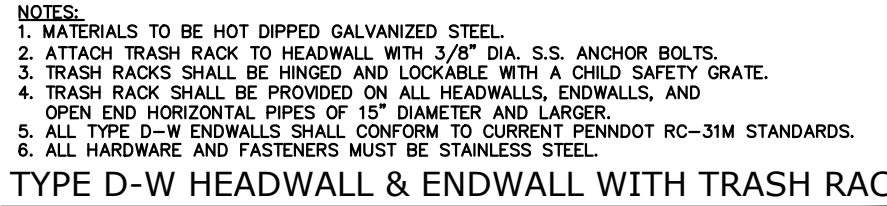
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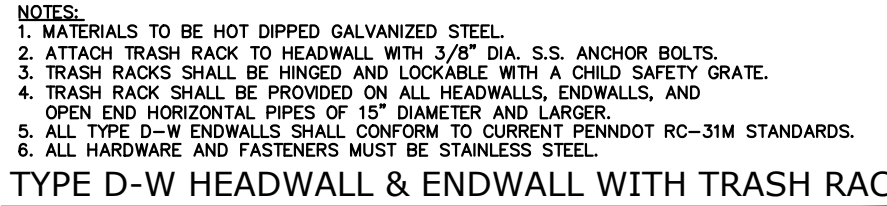
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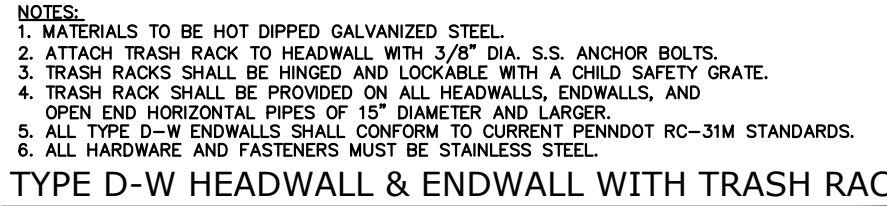
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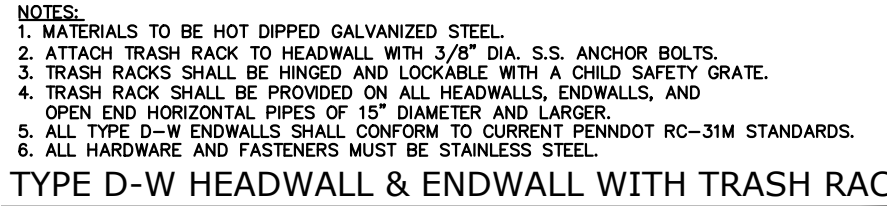
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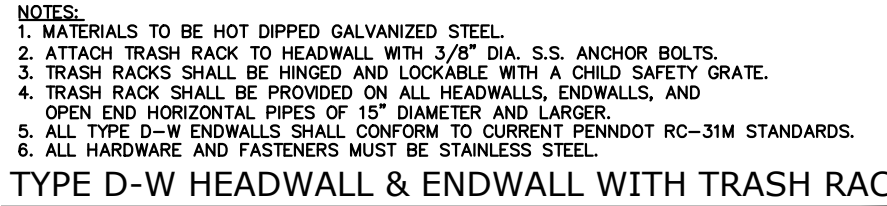
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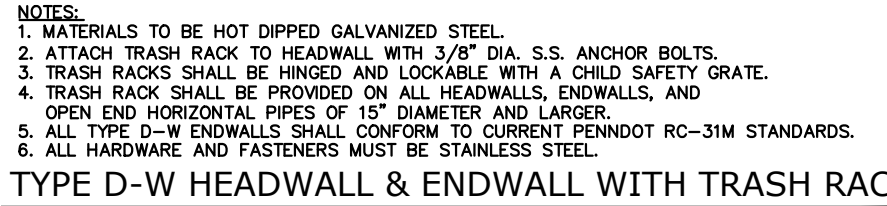
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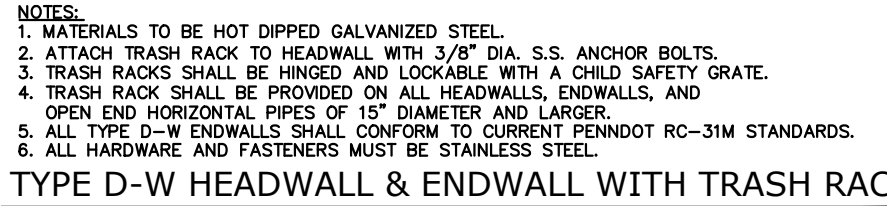
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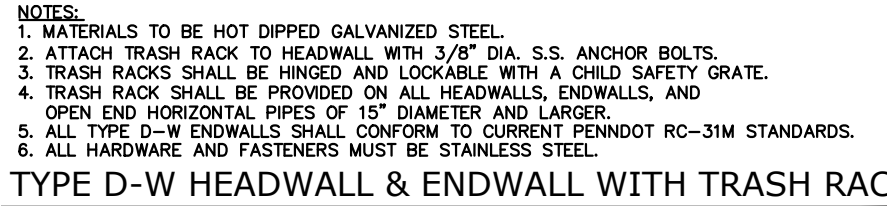
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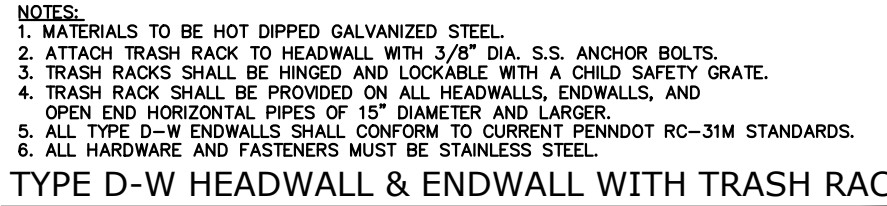
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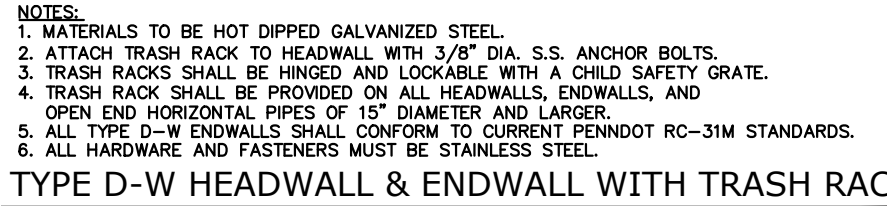
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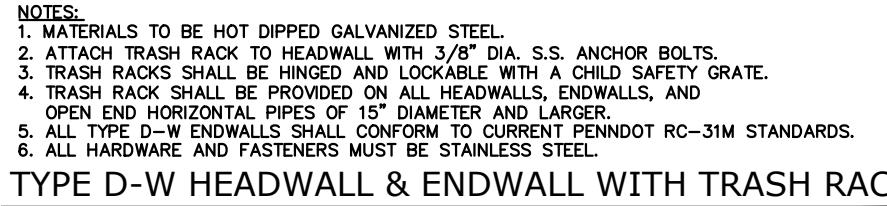
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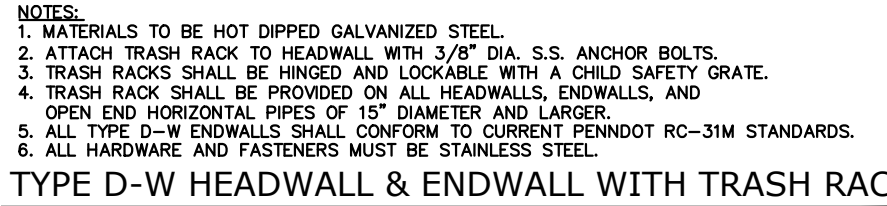
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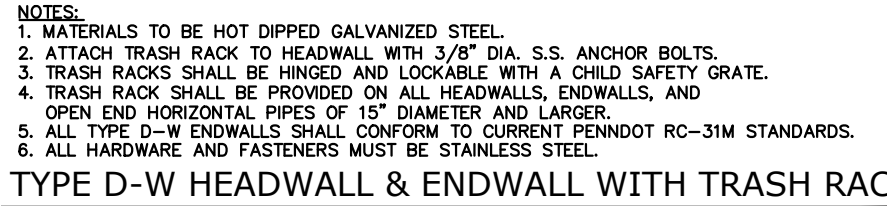
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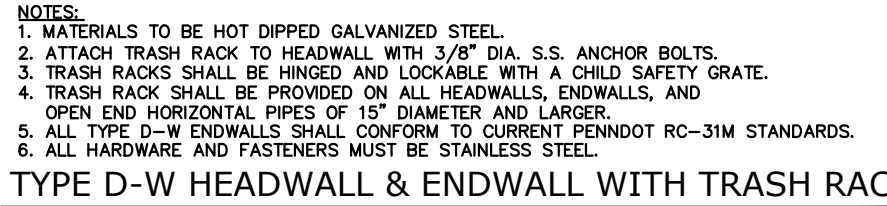
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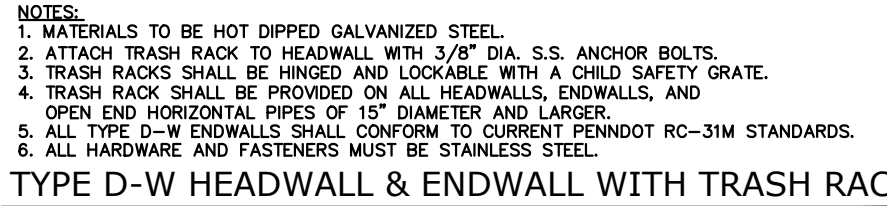
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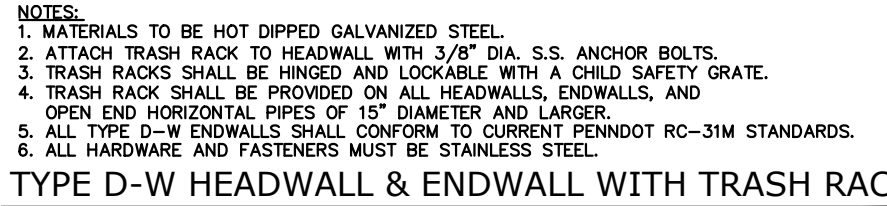
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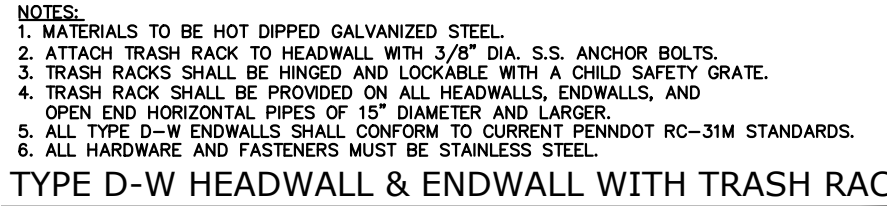
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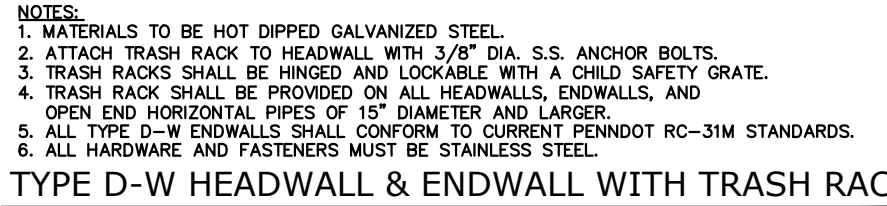
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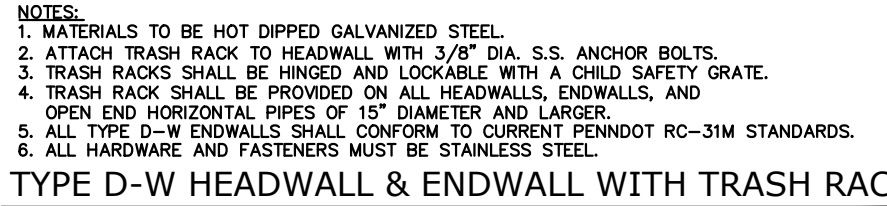
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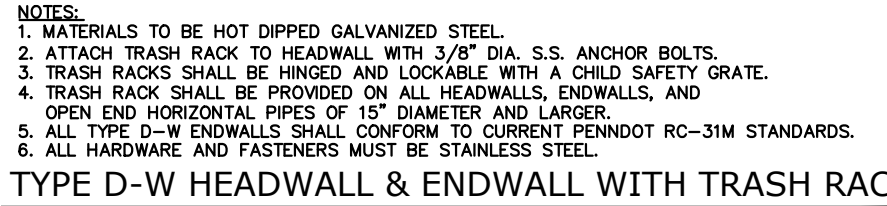
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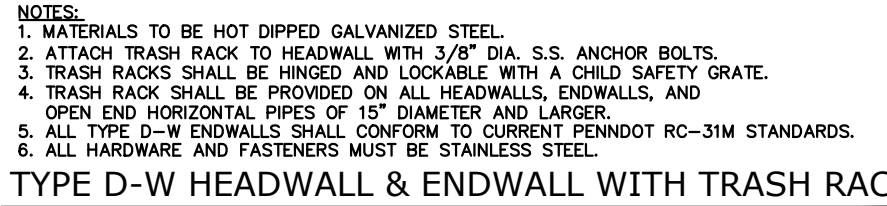
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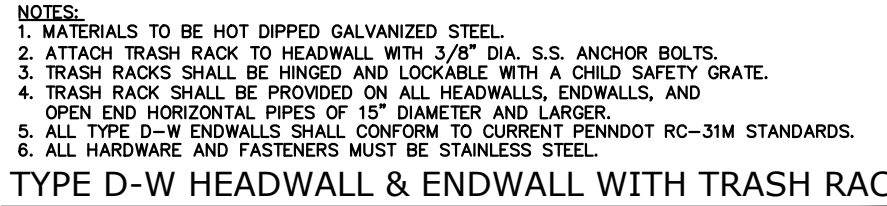
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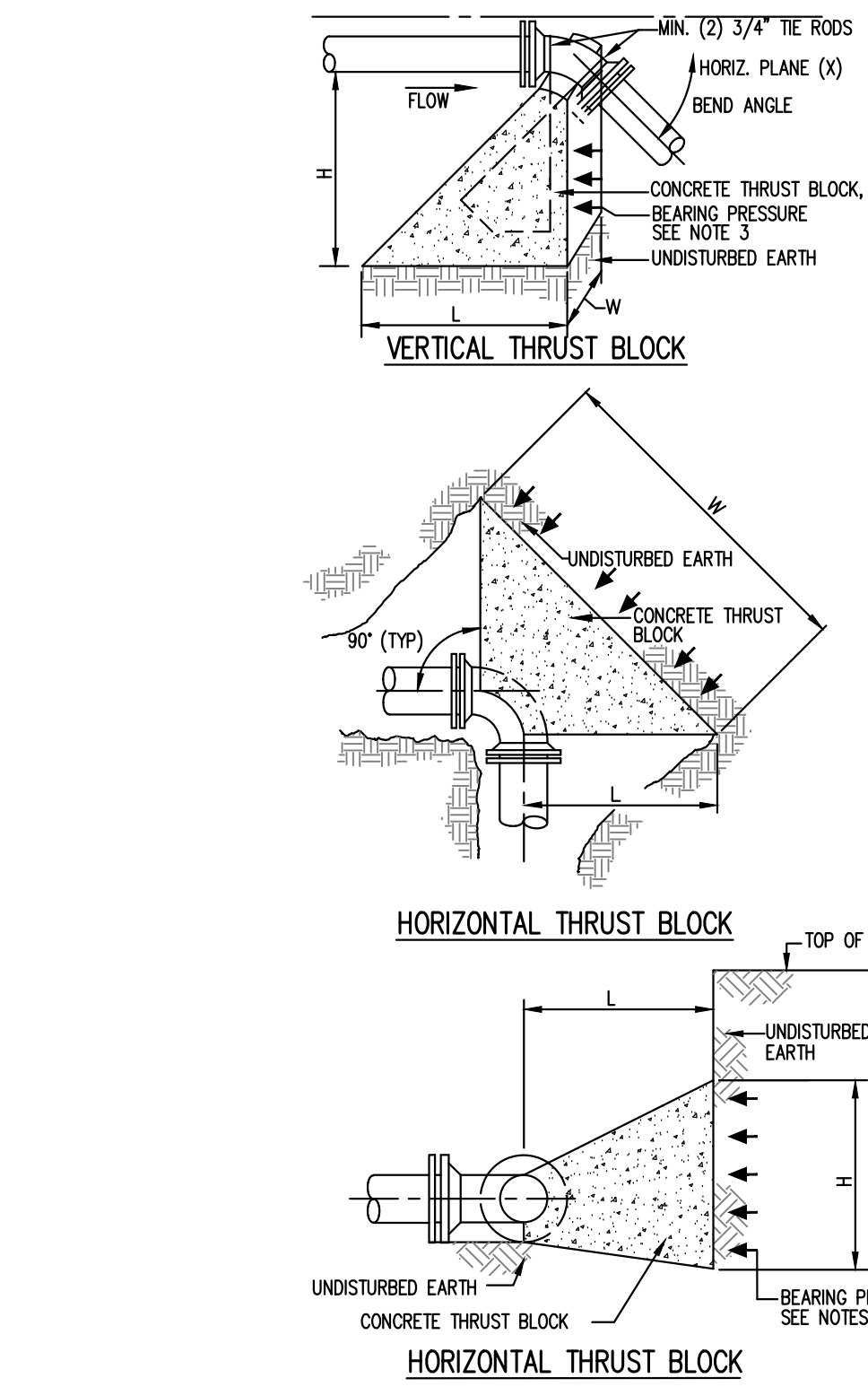
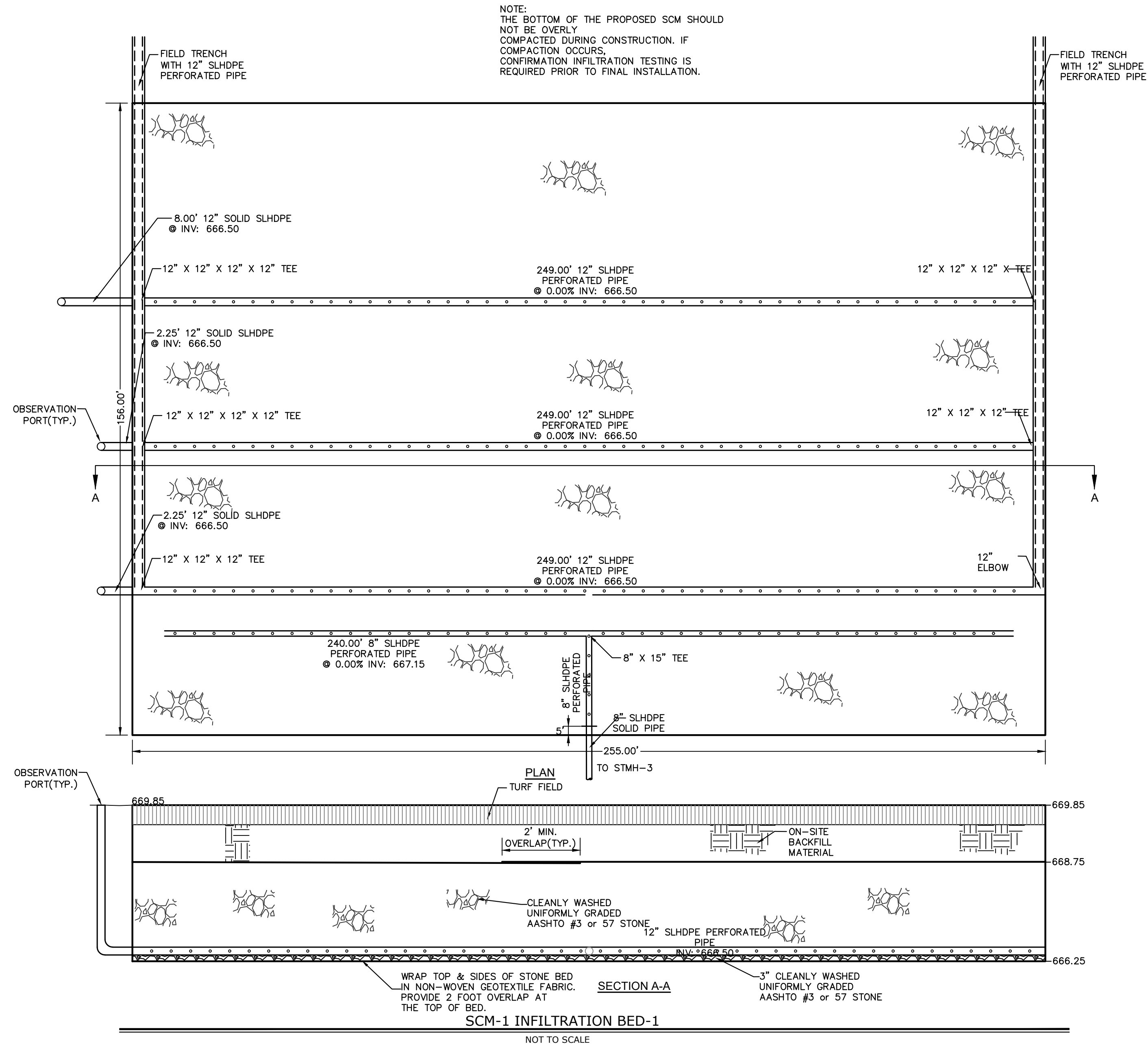


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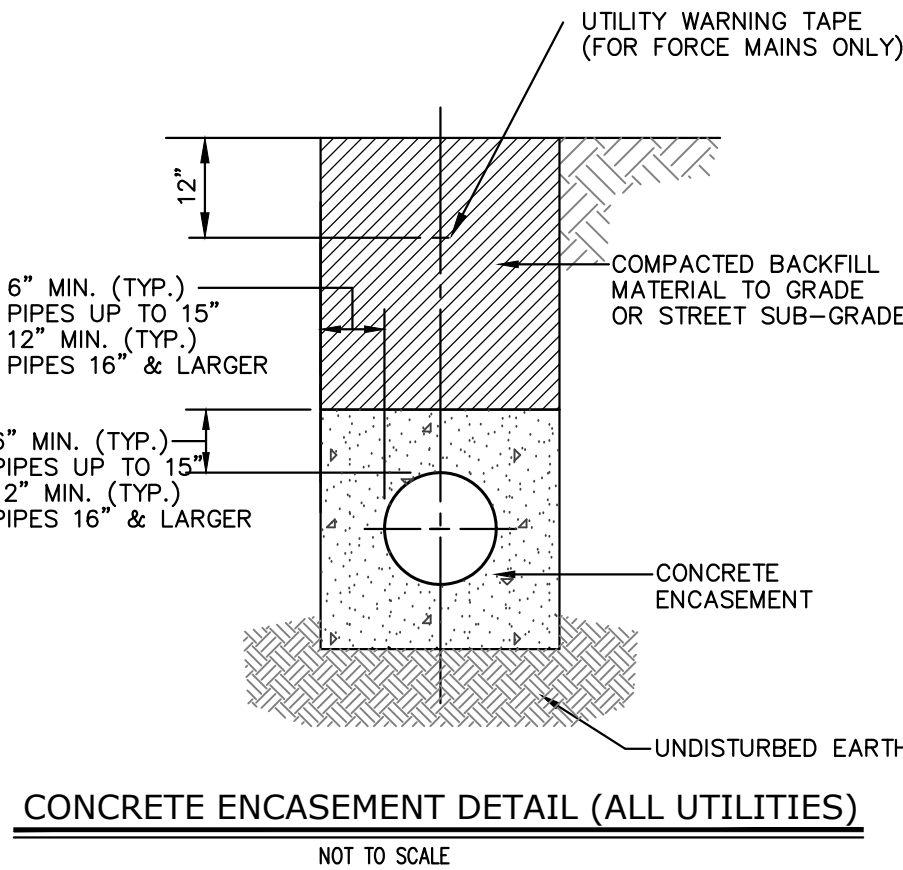
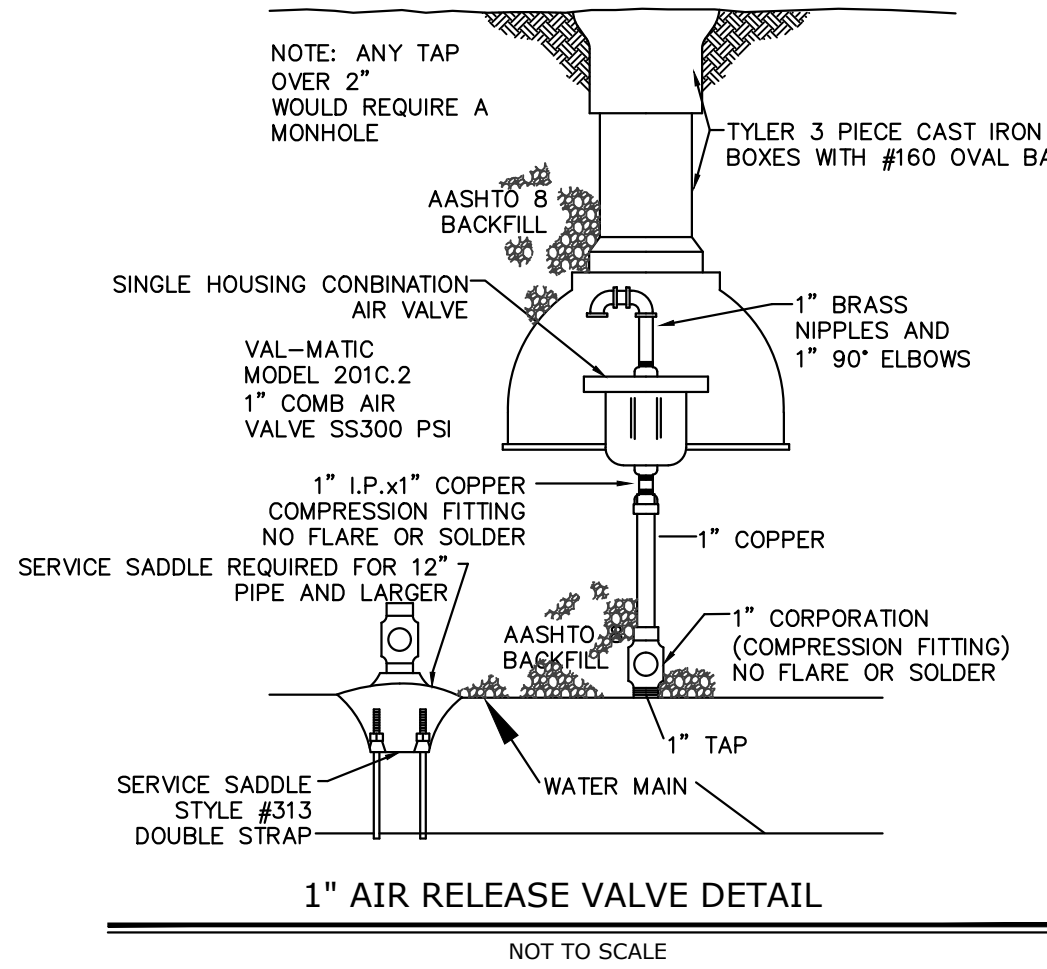
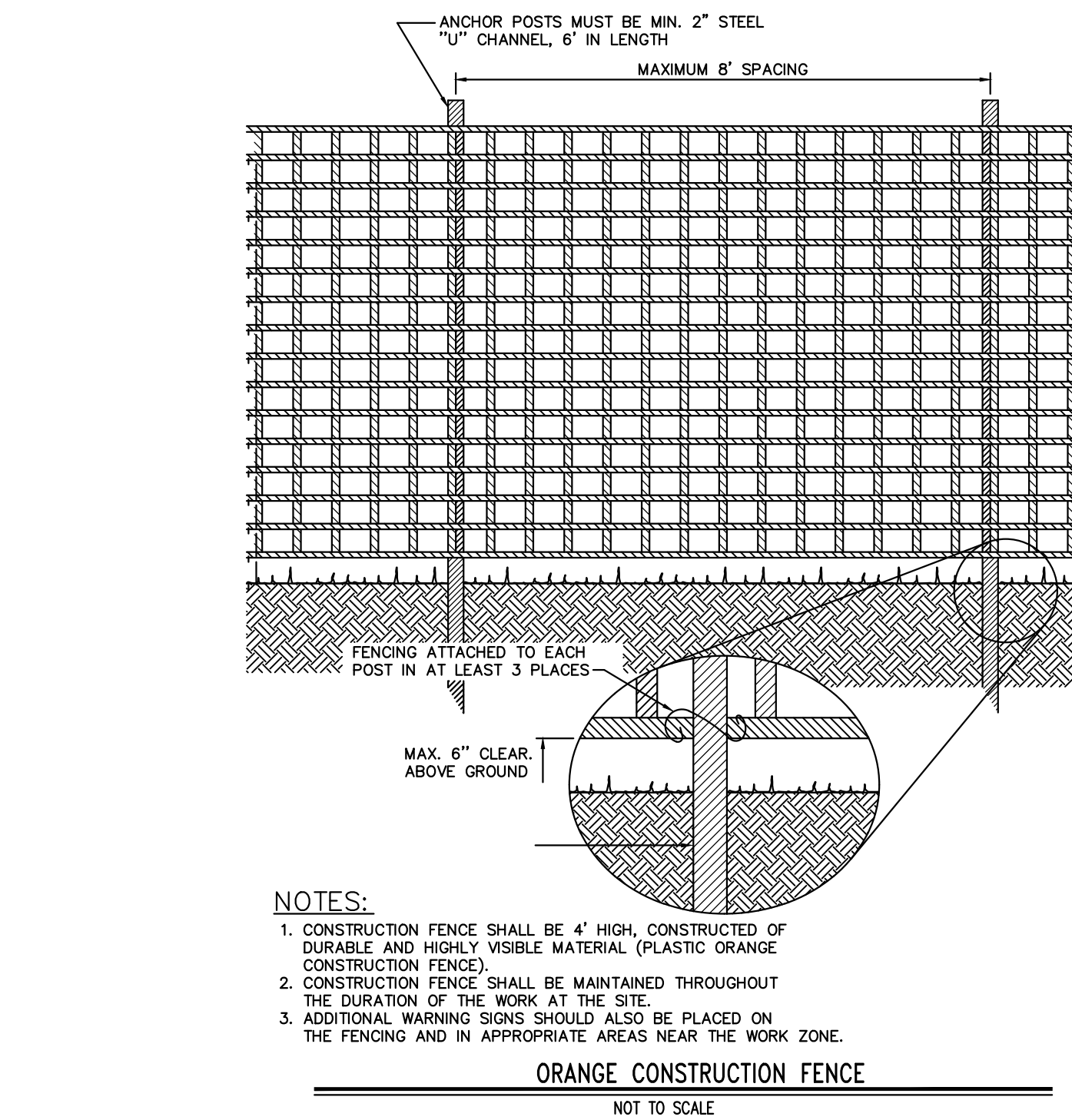
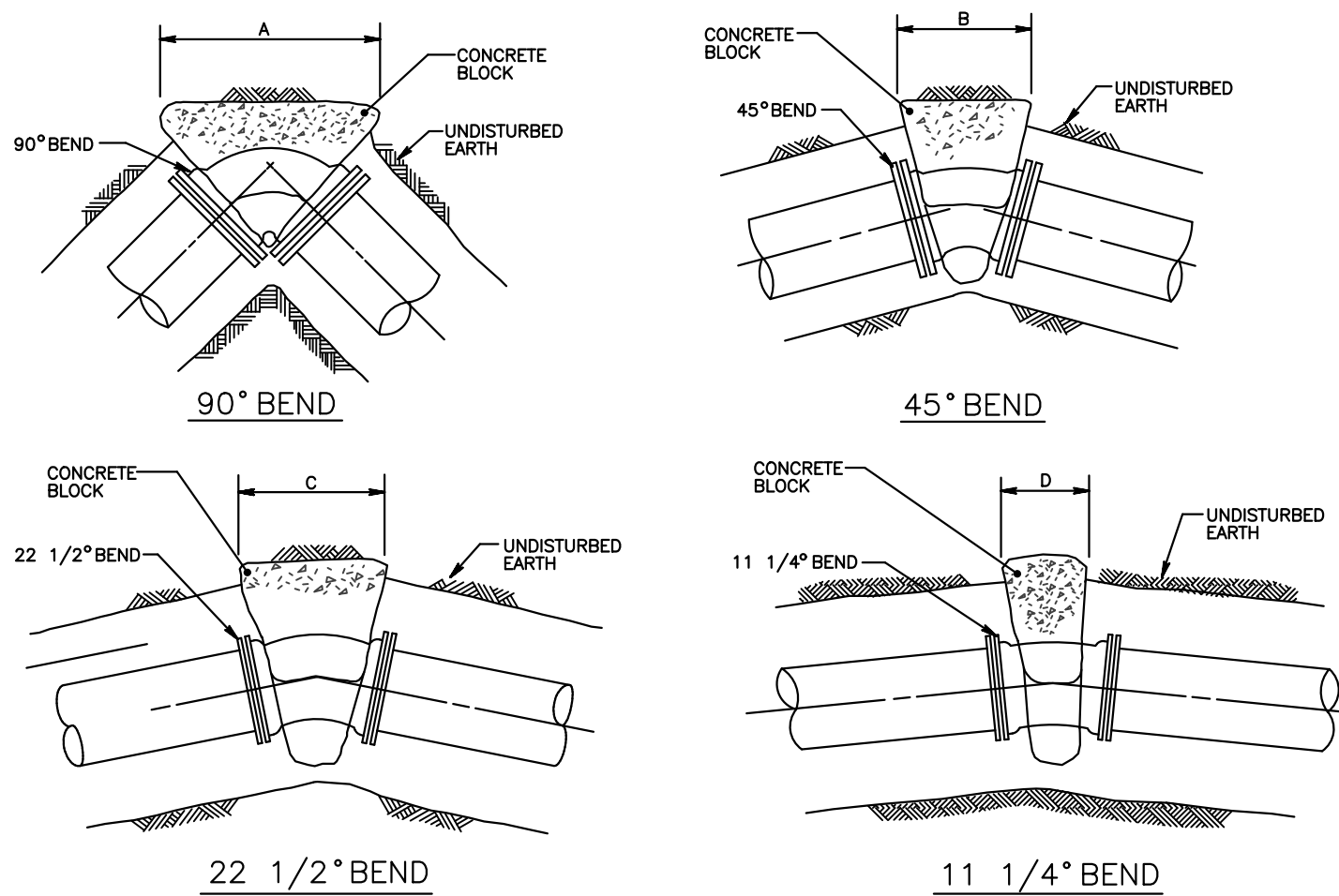
TYPE D-W HEADWALL & ENDWALL WITH TRASH RACK



HORIZONTAL THRUST BLOCK SIZE (SQ. FT.)					
PRESSURE = 150 P.S.I.					
SLT TYPE SOL = 1500 P.S.F.					
PIPE DIA.	90°	45°	22.5°	11.25°	TEE / DEAD END
6"	11.0	5.9	3.0	1.5	7.8
8"	18.0	9.7	5.5	2.5	12.7
10"	26.2	14.2	7.2	3.6	18.5
12"	36.3	19.6	10.0	5.0	25.7
16"	62.7	33.9	17.3	8.7	44.3

VERTICAL THRUST BLOCK SIZE (SQ. FT.)					
PRESSURE = 150 P.S.I.					
SLT TYPE SOL = 1500 P.S.F.					
PIPE DIA.	45°	22.5°	11.25°	6"	8"
6"	2.10	1.14	0.58	0.59	0.15
8"	3.44	1.86	0.95	0.97	0.24
10"	5.02	2.72	1.39	1.41	0.36
12"	6.95	3.76	1.92	1.95	0.49
16"	12.01	6.50	3.31	3.37	0.85

- NOTES:
- DESIGN ASSUMES CONCRETE WITH WEIGHT OF 145 LB/CU. FT.
 - BEARING SURFACE SHOULD BE PLACED AGAINST UNDISTURBED EARTH.
 - MINIMUM AREA IN SQ. FT. ON THIS FACE IS CALCULATED BY $1/2 H \times \text{AVERAGE WIDTH (W)}$ (THE (L) DIMENSION IS EQUAL TO THE (H) DIMENSION.
 - THRUST BLOCK HEIGHT (H) SHOULD BE EQUAL TO OR LESS THAN ONE-HALF THE TOTAL DEPTH TO THE BOTTOM OF THE BLOCK (H), BUT NOT LESS THAN THE PIPE DIAMETER.
 - THRUST BLOCK HEIGHT (H) SHOULD BE CHOSEN SUCH THAT THE CALCULATED BLOCK WIDTH (W) VARIES BETWEEN ONE AND TWO TIMES THE HEIGHT. AREA IN SQ. FT. = $H \times W$.
 - PROVIDE THRUST BLOCK TEE, 90°, 45°, 22 1/2° AND 11 1/4°.



- NOTE:
- THE INSTALLATION OF PIPES 7.2" OR GREATER INSIDE DIAMETER OR SPAN IS PERMITTED WITHOUT PLACING EMBANKMENT FIRST. MAKE THE BACKFILL ENVELOPE AS SHOWN ON THIS DRAWING EXCEPT PROVIDE 2A MATERIAL ON EACH SIDE OF THE PIPE TO ONE OUTSIDE DIAMETER OR SPAN OF THE PIPE. FOR CONCRETE PIPE, THE WIDTH OF UNCOMPACTED AGGREGATE FOR BEDDING (AASHTO NO. 8) A HIGHER STRENGTH PIPE THAN SPECIFIED MAY BE SUPPLIED AT NO ADDITIONAL COST TO THE DEPARTMENT.
 - PAYMENT FOR ALL PIPE BACKFILL MATERIAL IS INCIDENTAL TO THE PIPE.
 - TO PRECLUDE POINT LOADING ON CONCRETE PIPE, DO NOT COMPACT AASHTO NO. 8 BEDDING MATERIAL.
 - FOR TRENCH BOX/SORING INSTALLATION REQUIREMENTS REFER TO PUBLICATION 408, SECTION 601.
 - PERMIT PLACEMENT OF BACKFILL MATERIAL UP TO 10" LOOSE LAYERS IF USING A VIBRATORY ROLLER OR UP TO 12" LOOSE LAYERS IF USING A BACKHOE-MOUNTED HYDRAULIC PLATE COMPACTOR AS SPECIFIED IN PUBLICATION 408, SECTION 601.3(f) 3.
 - COMPACT TOP 3"-OF SUBGRADE TO 100% AS SPECIFIED IN PUBLICATION 408, SECTION 206.3. COMPACT 2A COARSE AGGREGATE TO NON-MOVEMENT AS PER NOTE 9. COMPACT SUITABLE MATERIAL TO MINIMUM 97% SPD.
 - FOR REINFORCED CONCRETE PIPES INSTALLED WITH GREATER THAN 48" OF FILL, PROVIDE 12" BEDDING MINIMUM AND 16" WHEN ROCK IS PRESENT.
 - COMPACT TO NON-MOVEMENT AS SPECIFIED IN PUBLICATION 408, SECTION 206.3(f) 1 & 2.
 - USE 2A COARSE AGGREGATE OR SUITABLE MATERIAL AS SPECIFIED IN PUBLICATION 408, SECTION 601.3(f) 3.

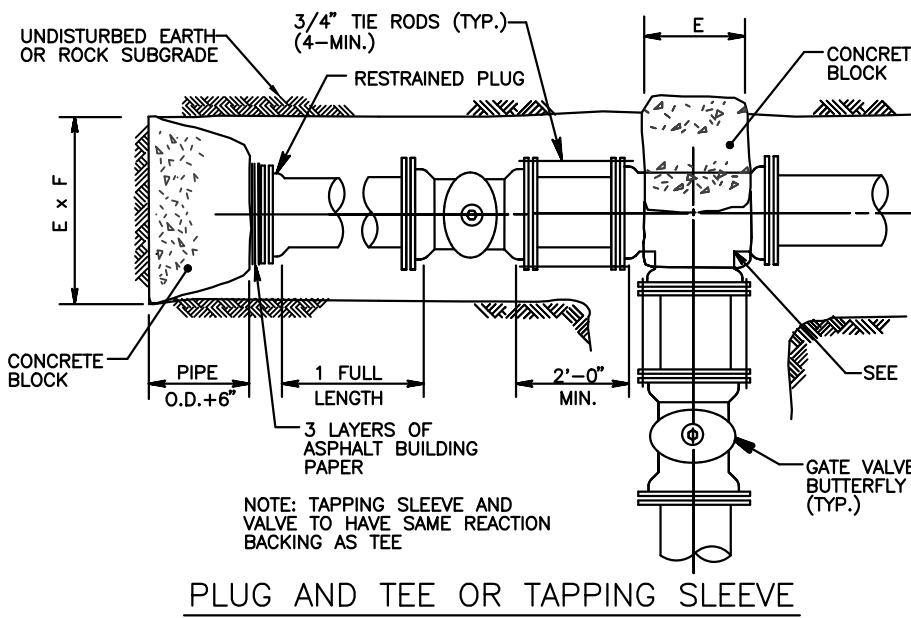
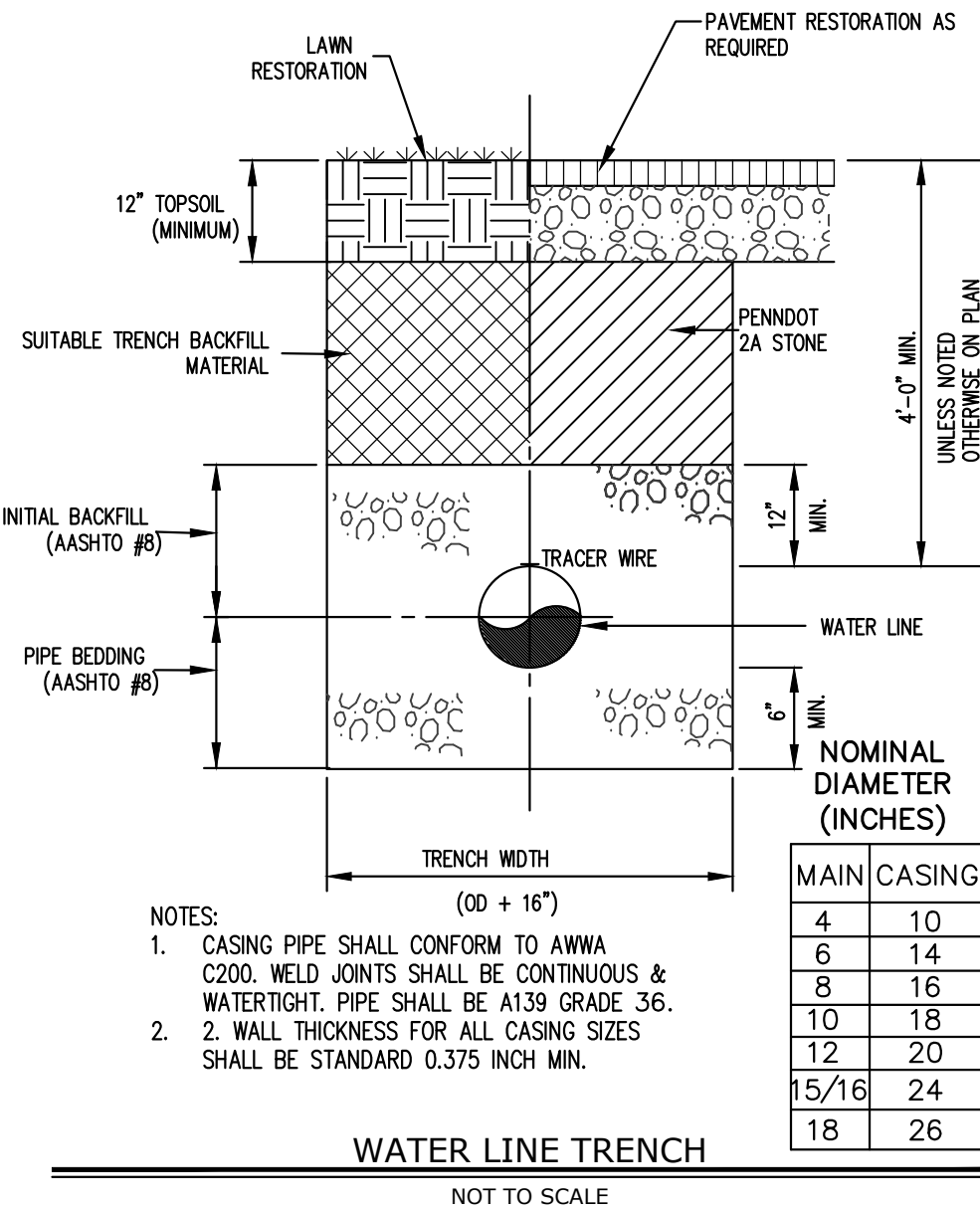
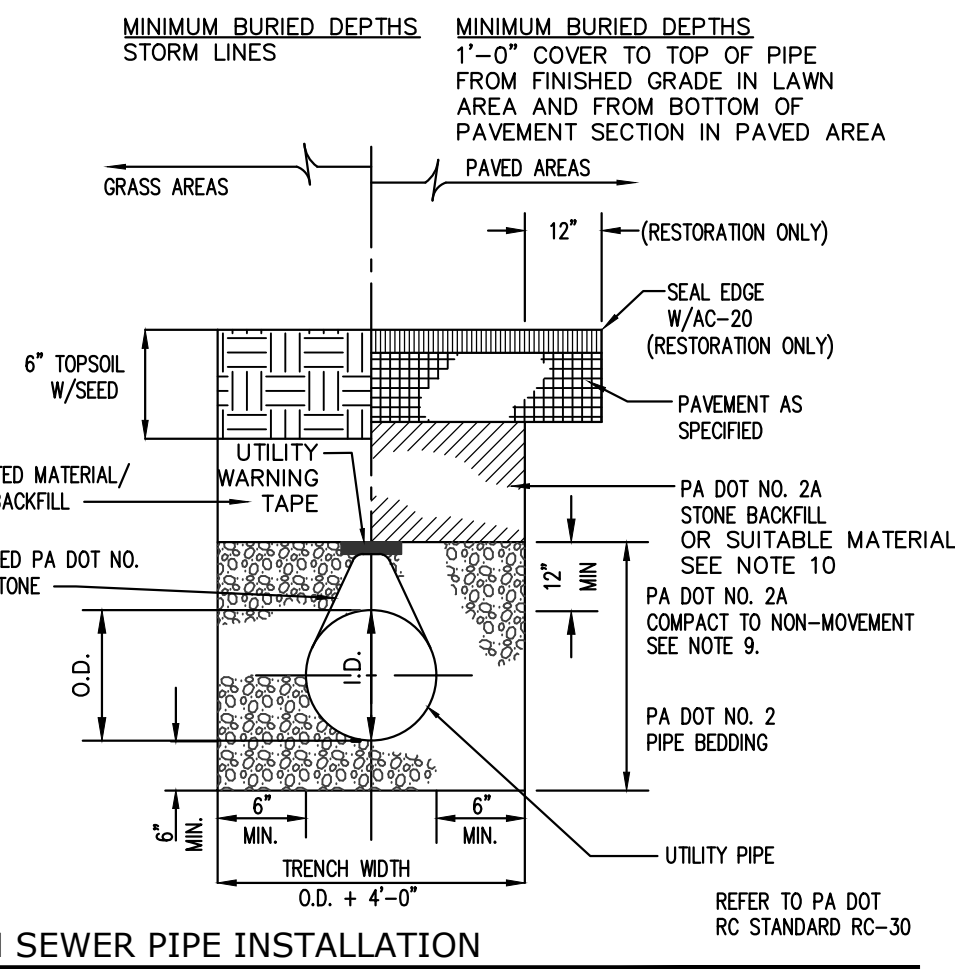
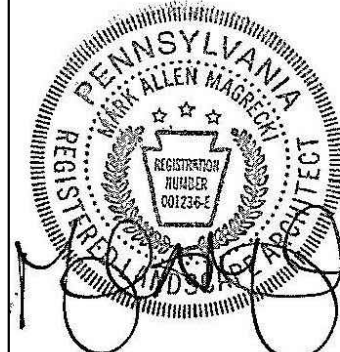


TABLE OF REACTION BACKING DIMENSIONS															
PIPE DIA.	TEST PRESSURE (PSI)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
24"	150	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"	11'-0"
20"	150	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
16"	150	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"
12"	150	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
10"	150	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"
8"	150	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
6"	150	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"

- NOTES:
- REACTION BACKING DIMENSIONS HAVE BEEN CALCULATED USING A SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT AND TEST PRESSURES AS INDICATED.
 - ALL FITTINGS SHALL BE MECHANICAL JOINT AND SHALL HAVE WEDGE ACTION FOLLOWED FLANGES REFERRED TO MANUFACTURERS SPECIFICATIONS, EXCEPT IN RESTRAINED JOINT AREAS.
 - ALL CONCRETE SHALL BE HIGH EARLY STRENGTH.

CONFORMED SET



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REVISIONS

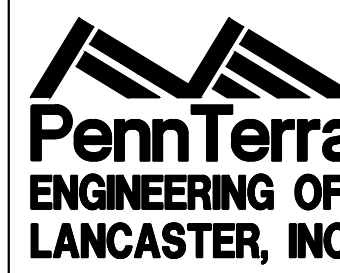
NO.	DATE	NAME	DESCRIPTION OF CHANGES

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



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C602

INSERTA TEE HDPE/PP
INSTALLATION

INSERTA TEE is a three piece service connection consisting of a PVC Hub, Rubber Sleeve and Stainless Steel Band. INSERTA TEE is compression fit into the cored wall of a mainline and requires no special tooling. INSERTA TEEs are designed to connect 2" (51 mm) through 30" (750 mm) services to all known solidwall, profile, closed profile and corrugated pipe manufactured today.

APPLICATIONS:

- Storm Sewers

Pipe Bursting (HDPE/PVC)

Fold and Formed Products

Manholes

Drainage

Catch Basins
- Sanitary Sewers

Slipstream

Cured-In-Place Products

Wet Wells

Irrigation

Electrical Vaults

FEATURES & BENEFITS:

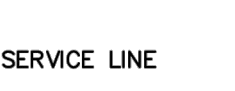
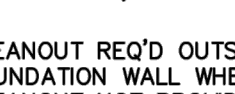
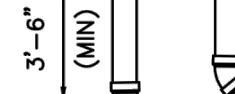
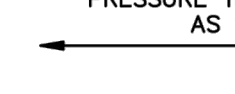
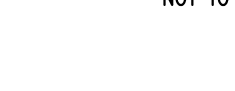
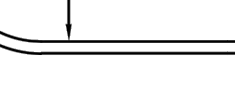
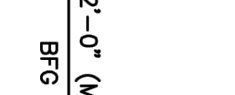
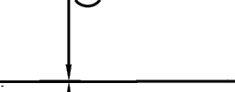
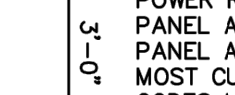
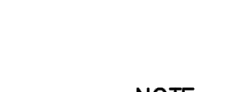
- 2" - 30" (51 - 750 mm) diameters available
- Reduction in labor hours and pipe materials
- Services to be connected where needed
- Matching of the internal radius of your pipe or structure for minimal penetration
- Watertight, testable connection every time
- Eliminates glues, epoxies, grout, tightening and retightening of bands
- No need to disturb backfill
- No straps or clamps that require digging under the mainline pipe
- No reinforcing bars or secondary clamps required

ADS Service: ADS representatives are committed to providing you with the answers to all your questions, including specifications, and installation and more.

THE MOST ADVANCED NAME IN WATER MANAGEMENT SOLUTIONS™



Rubber Sleeve



Step-by-Step Process

STEP 1: Expose only the area of the mainline where the INSERTA TEE is to be installed.



STEP 2: Secure the drill guide to the outside of the mainline pipe where the hole will be. Drill the proper hole size with a hole saw and deburr. Reference Inserta Tee hole saws for correct diameter.



INSERTA TEE Nominal Size (inches)	2	4	6	8	10	12
INSERTA TEE Nominal Size (mm)	51	102	152	203	254	305
INSERTA TEE Hole Diameter (inches)	2 1/8	4 1/8	6 1/8	8 1/8	10 1/8	12 1/8
INSERTA TEE Hole Diameter (mm)	63.5	104.8	154.9	206.1	266.7	317.5

STEP 3: Insert the rubber sleeve into the drilled hole. Make sure the gold line is perpendicular to the mainline pipe.



STEP 4: Apply the soap solution to the outside of the PVC hub and to the inside of the rubber sleeve.



STEP 5: Insert the PVC hub into the rubber sleeve. Aligning the red, vertical line on the hub with the gold line on the sleeve. Place a wood block on the hub, and firmly hammer the hub into the sleeve until the sleeve is aligned with the red horizontal line on the hub.

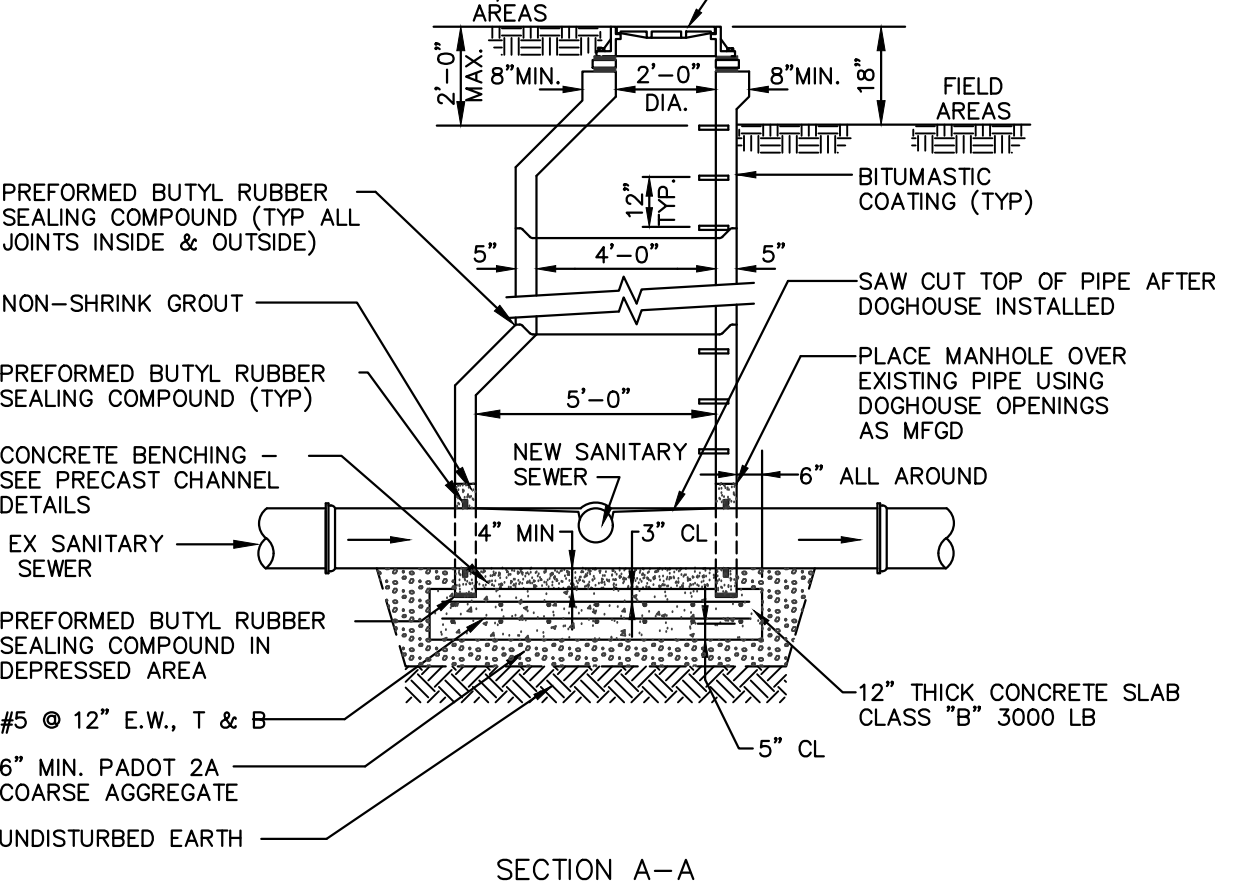


STEP 6: Place and tighten the stainless steel band securely over the sleeve.



NOTES:

1. INSTALL MANHOLES ON EXISTING LINES BY BYPASSING FLOW, CUTTING PIPE & INSTALLING MANHOLE WITH PRECAST BASE. DOGHOUSE MANHOLES, AS SHOWN IN THIS DETAIL, MAY BE USED ONLY BY SPECIAL EXCEPTION FROM LASA.
2. ADJUST TO GRADE WITH CONC GRADE RINGS (MAX. VERT. ADJUST: 6"). SEE MANHOLE FRAME & COVER DETAILS.
3. MECHANICALLY VIBRATED PRECAST CONC SHALL CONFORM TO A.S.T.M. SPEC. C-478.
4. IF INCOMING INVERT EXCEEDS OUTGOING INVERT BY GREATER THAN OR EQUAL TO 6", SEE INSIDE SPLASH/INSIDE DROP MANHOLE DETAILS.
5. FOR MANHOLES WHERE TOP OF RIM TO INVERT DISTANCE IS LESS THAN 5'-0", USE FLAT TOP MANHOLE IN LIEU OF CONE TOP.
6. FILL ALL LIFTING HOLES W/ NON-SHRINK GROUT.

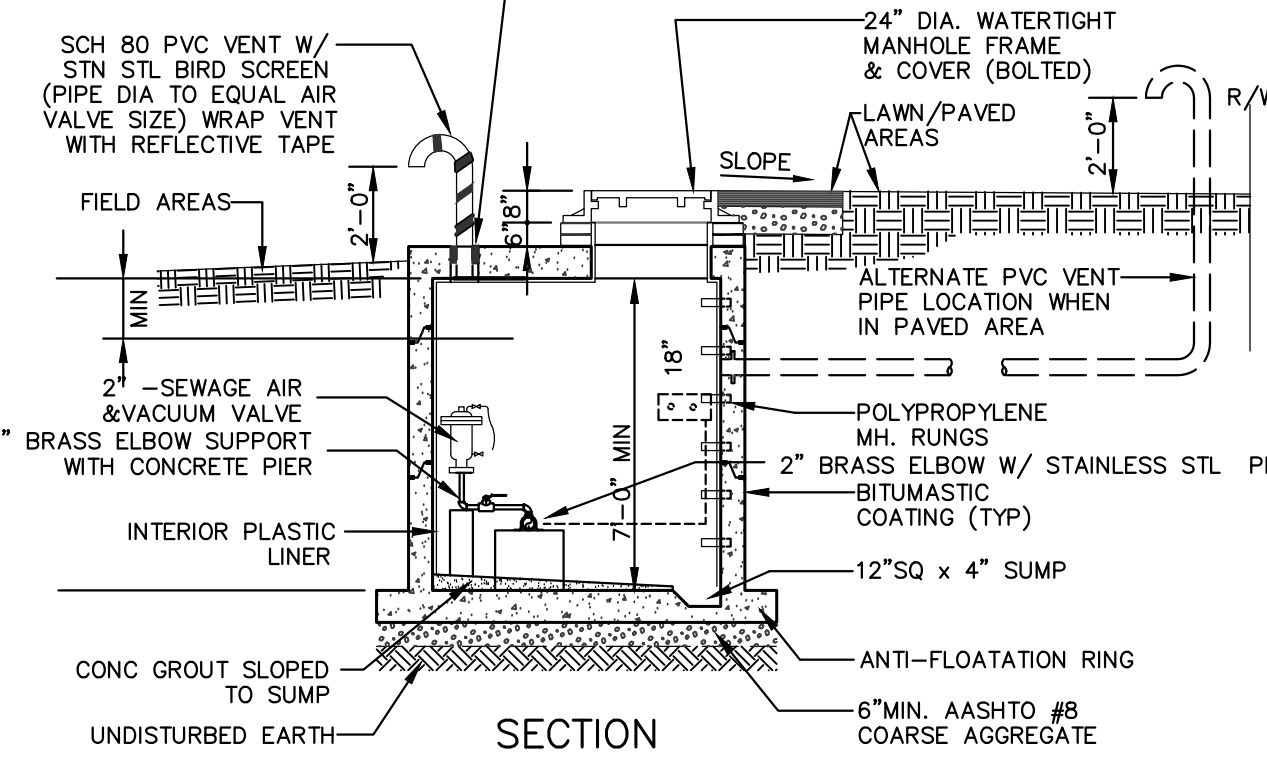


PRECAST DOGHOUSE MANHOLE DETAIL

NOT TO SCALE

NOTES:

1. ADJUST TO GRADE WITH CONC. GRADE RINGS (MAX. VERT. ADJUST: 6"). SEE FRAME & COVER DETAILS.
2. VAULT SHALL BE TESTED AS PER MANHOLE TESTING REQUIREMENTS
3. SEAL ALL CONCRETE VAULT JOINTS INSIDE & OUTSIDE WITH PREFORMED BUTYL RUBBER SEALING COMPOUND.
4. FILL ALL LIFTING HOLES WITH NON-SHRINK GROUT.
5. INTERIOR PLASTIC LINER TO PROVIDE CONTINUOUS, IMPERMEABLE LINING TO SHIELD PRECAST CONC. AGAINST DETERIORATION CAUSED BY CORROSIVE ATMOSPHERE.
6. ALL EXPOSED INTERIOR CONC SURFACES (I.E. FLOOR, SLUMP, SADDLE) TO RECEIVE CORROSION RESISTANT EPOXY COATING.

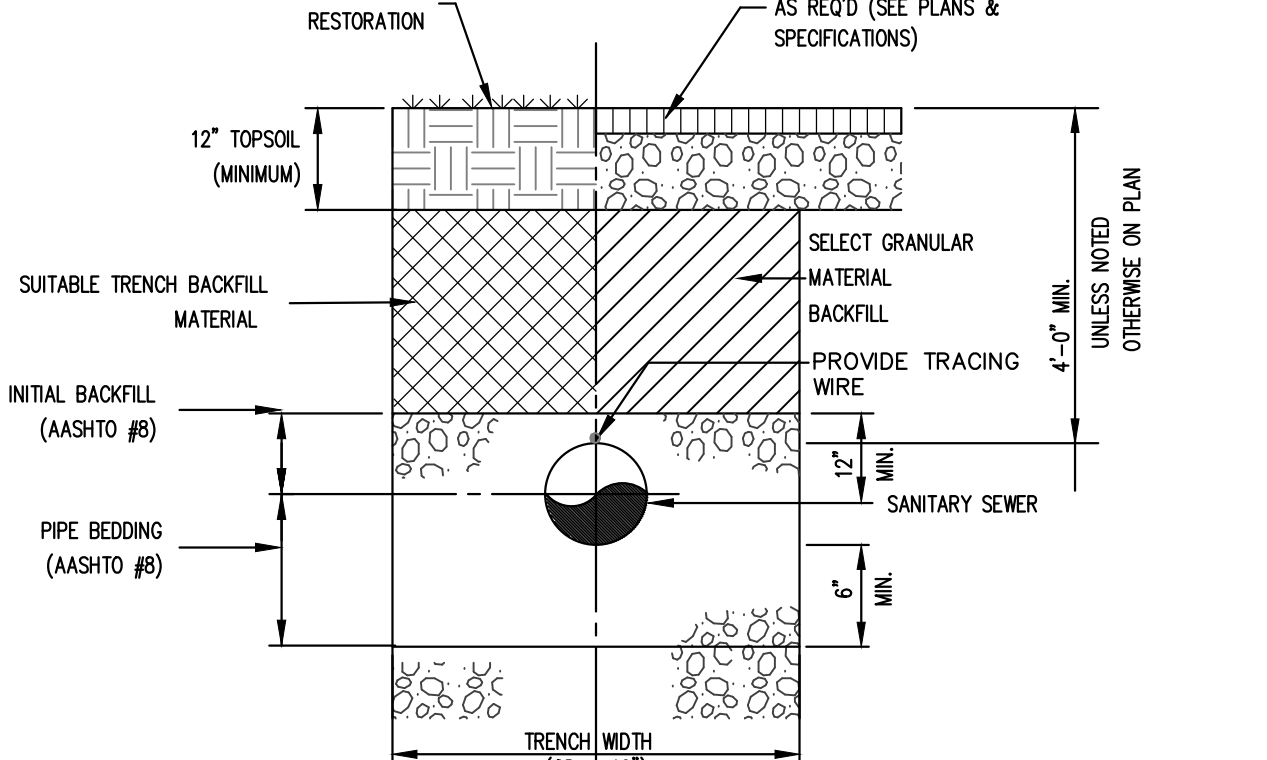


AIR VALVE VAULT DETAIL (LP FORCE MAIN ONLY)

NOT TO SCALE

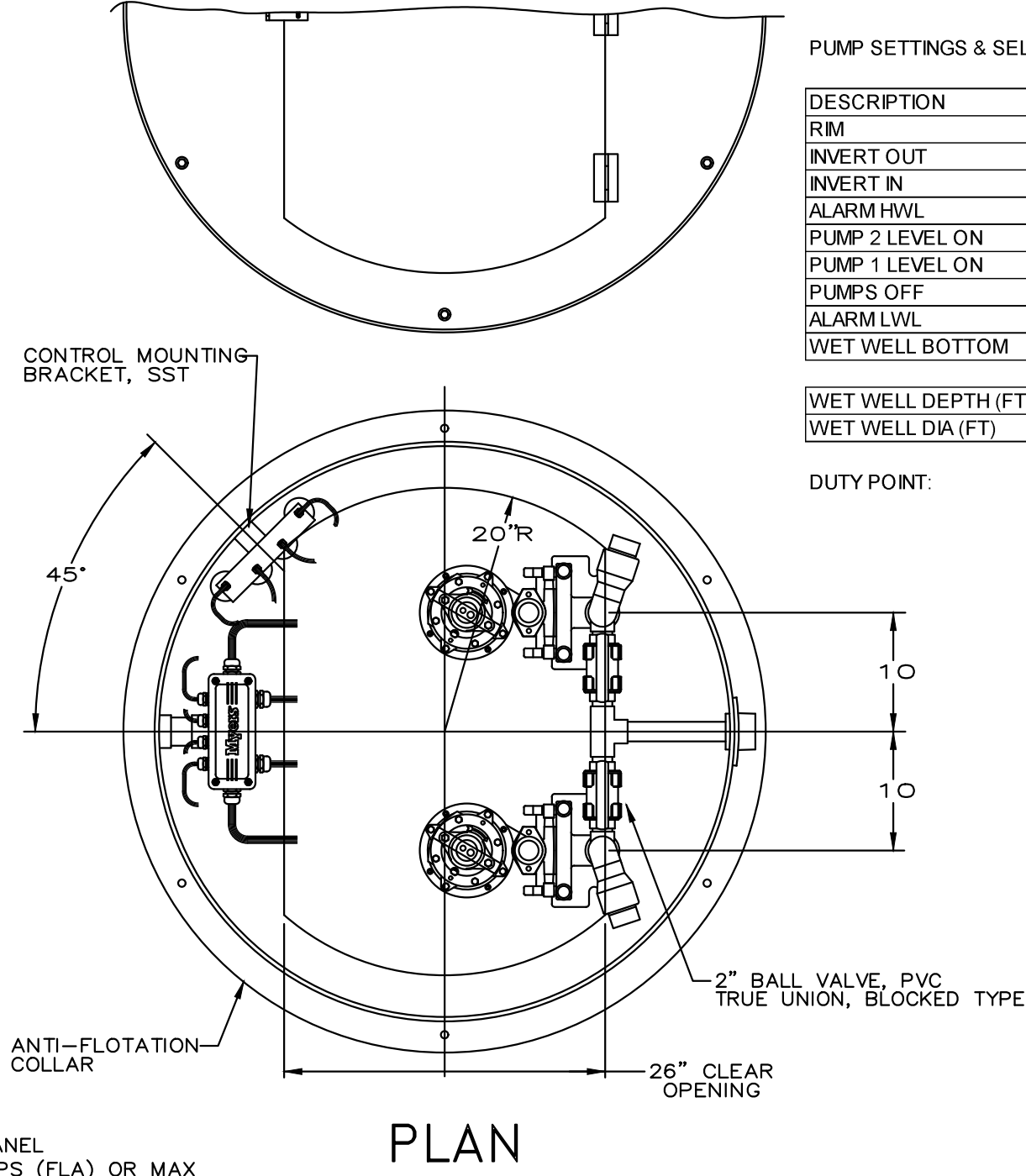
NOTES:

1. ADJUST TO GRADE WITH CONC. GRADE RINGS (MAX. VERT. ADJUST: 6"). SEE FRAME & COVER DETAILS.
2. VAULT SHALL BE TESTED AS PER MANHOLE TESTING REQUIREMENTS
3. SEAL ALL CONCRETE VAULT JOINTS INSIDE & OUTSIDE WITH PREFORMED BUTYL RUBBER SEALING COMPOUND.
4. FILL ALL LIFTING HOLES WITH NON-SHRINK GROUT.
5. INTERIOR PLASTIC LINER TO PROVIDE CONTINUOUS, IMPERMEABLE LINING TO SHIELD PRECAST CONC. AGAINST DETERIORATION CAUSED BY CORROSIVE ATMOSPHERE.
6. ALL EXPOSED INTERIOR CONC SURFACES (I.E. FLOOR, SLUMP, SADDLE) TO RECEIVE CORROSION RESISTANT EPOXY COATING.



SANITARY SEWER TRENCH DETAIL

NOT TO SCALE



PUMP SETTINGS & SELECTION

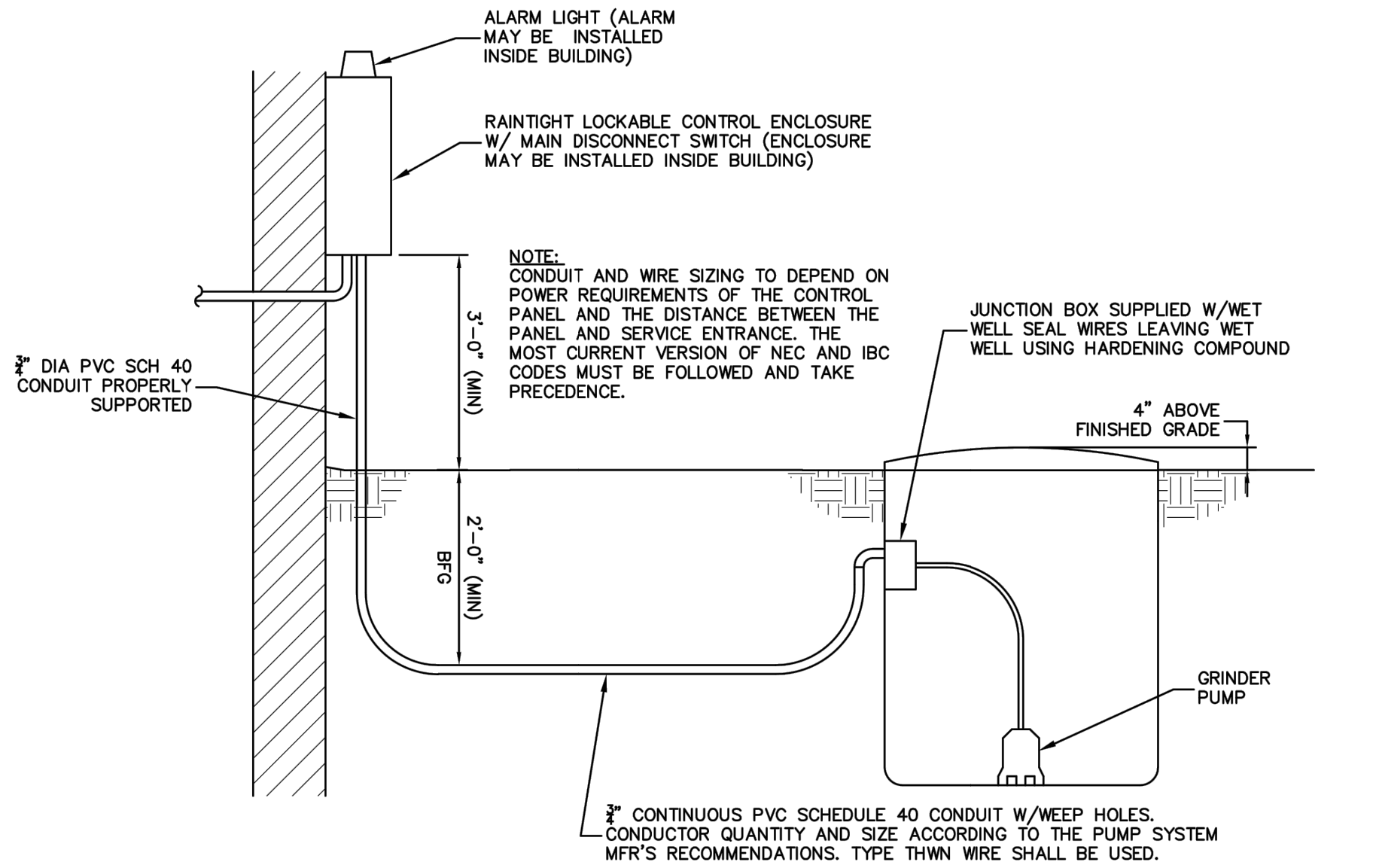
DESCRIPTION	ELEV.(FT)
RM	637.00
INVERT OUT	632.20
INVERT IN	633.00
ALARM HWL	632.40
PUMP 2 LEVEL ON	632.00
PUMP 1 LEVEL ON	631.50
PUMPS OFF	631.00
ALARM LWL	N/A
WET WELL BOTTOM	629.00

WET WELL DEPTH(FT)	8.00
WET WELL DIA.(FT)	4.00

DUTY POINT: 25 gpm at 68 feet TDH

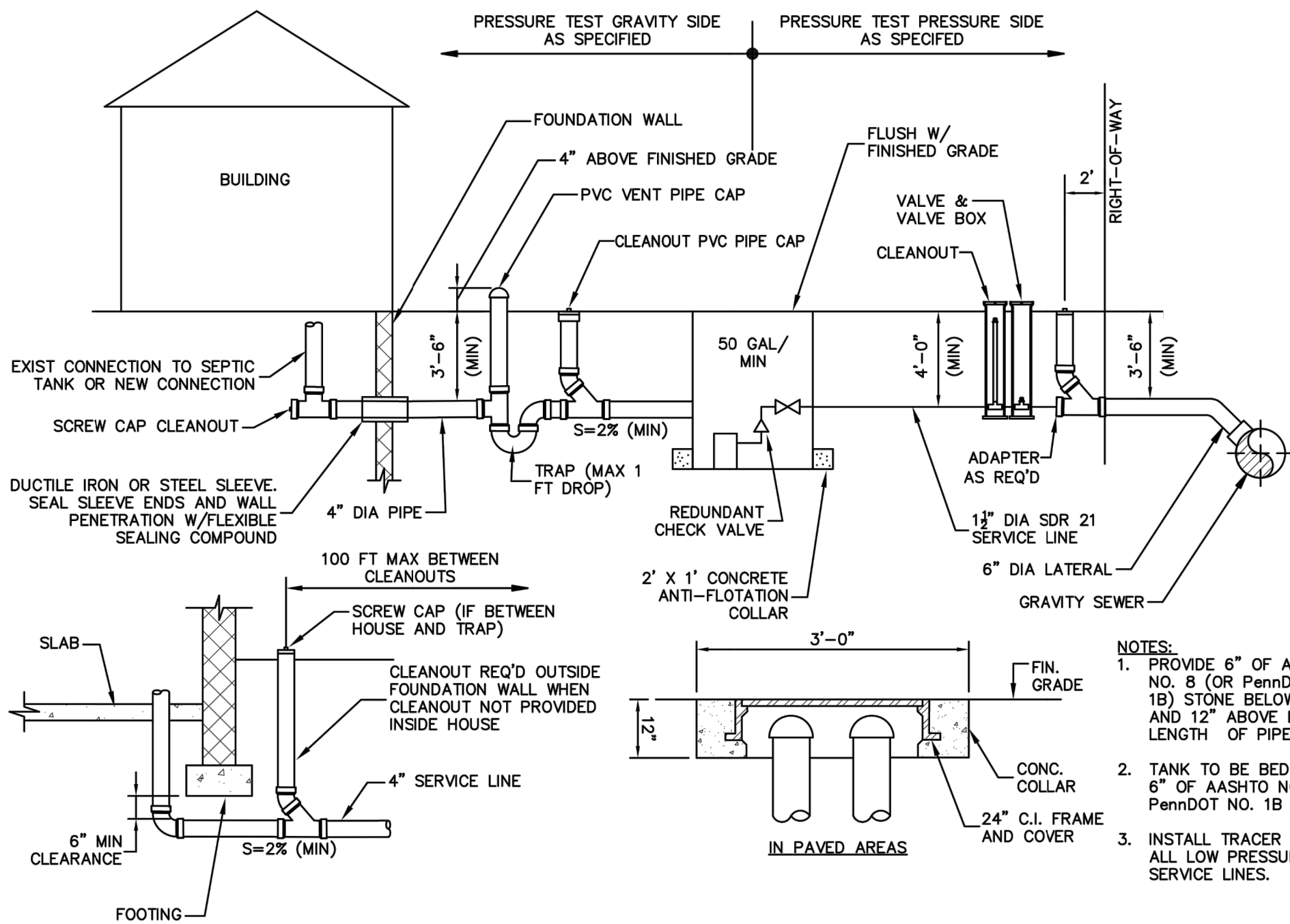
PUMP NOTES:

1. DUTY POINT: 25 GPM AT 68-FT TDH.
2. MOTOR 2 HP; 3450 RPM, SINGLE PHASE, 60 HZ, 280V.
3. PUMP MODEL: MYERS WG20 OR EQUIVALENT PRE-ASSEMBLED GRINDER PUMP FIBERGLASS STATION BY MIDATLANTIC PUMP & EQUIPMENT COMPANY.
4. ELECTRIC COMPANY POWER AVAILABILITY TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING EQUIPMENT. ELECTRICAL PANEL AND DISCONNECT SWITCH TO BE MOUNTED ON BUILDING WITHIN SIGHT OF THE PUMP STATION.
5. PROVIDE ANTI-SIPHON VALVE IN PUMP WET WELL.
6. ALL COVER & ACCESS HARDWARE SHALL BE STAINLESS STEEL INCLUDING ALL NUTS, BOLTS, WASHERS, ETC. WHICH PENETRATE THE COVER OR THE BASIN.
7. ALL CONTROL PANEL EXTERIOR HARDWARE SHALL BE STAINLESS STEEL.
8. PUMP SUPPLIER TO PROVIDE ANTI-BUOYANCY CALCULATIONS TO BE REVIEWED AND APPROVED BY THE ENGINEER.



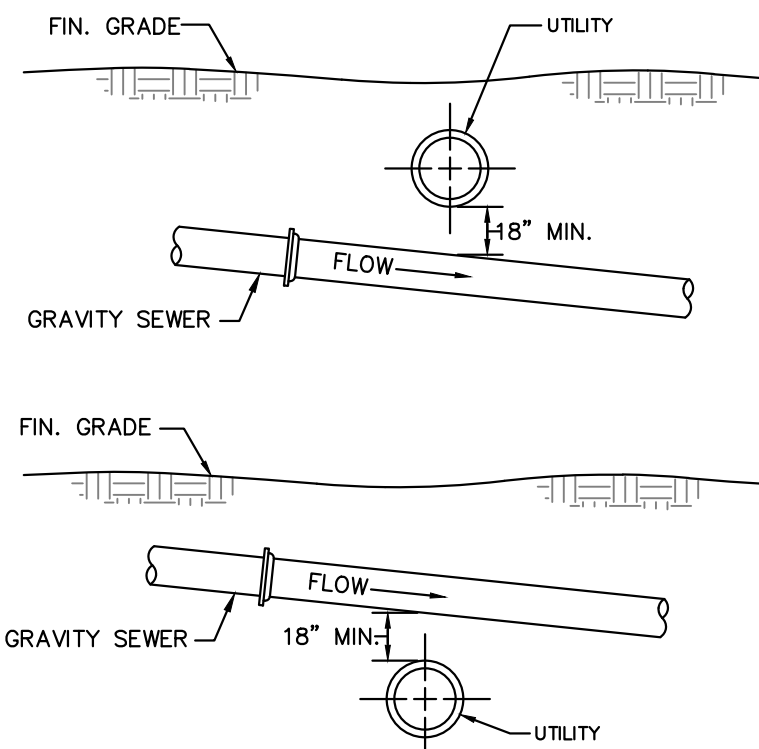
GRINDER PUMP WALL MOUNT CONTROL PANEL

NOT TO SCALE



GRINDER PUMP SERVICE LINE TO GRAVITY SEWER

NOT TO SCALE



NOTE: MAINTAIN SLOPE OF PROPOSED SEWER AT ALL CROSSINGS.

GRAVITY SEWER CROSSING UTILITIES DETAIL

NOT TO SCALE

CONFORMED SET



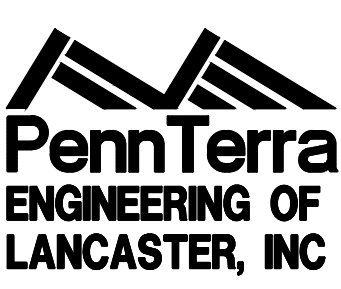
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NO.	DATE	NAME	DESCRIPTION OF CHANGES

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CHARLOTTESVILLE, VIRGINIA
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MECHANICSBURG PA 17055
717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

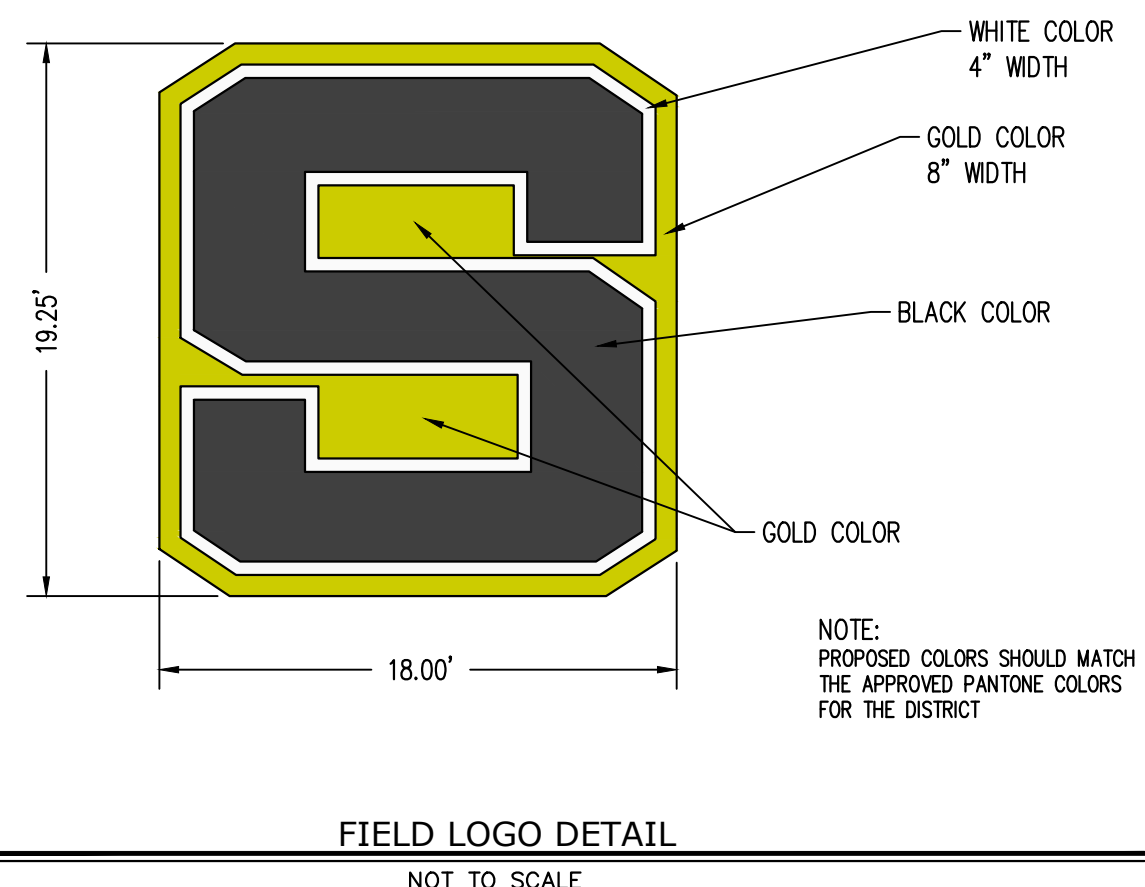
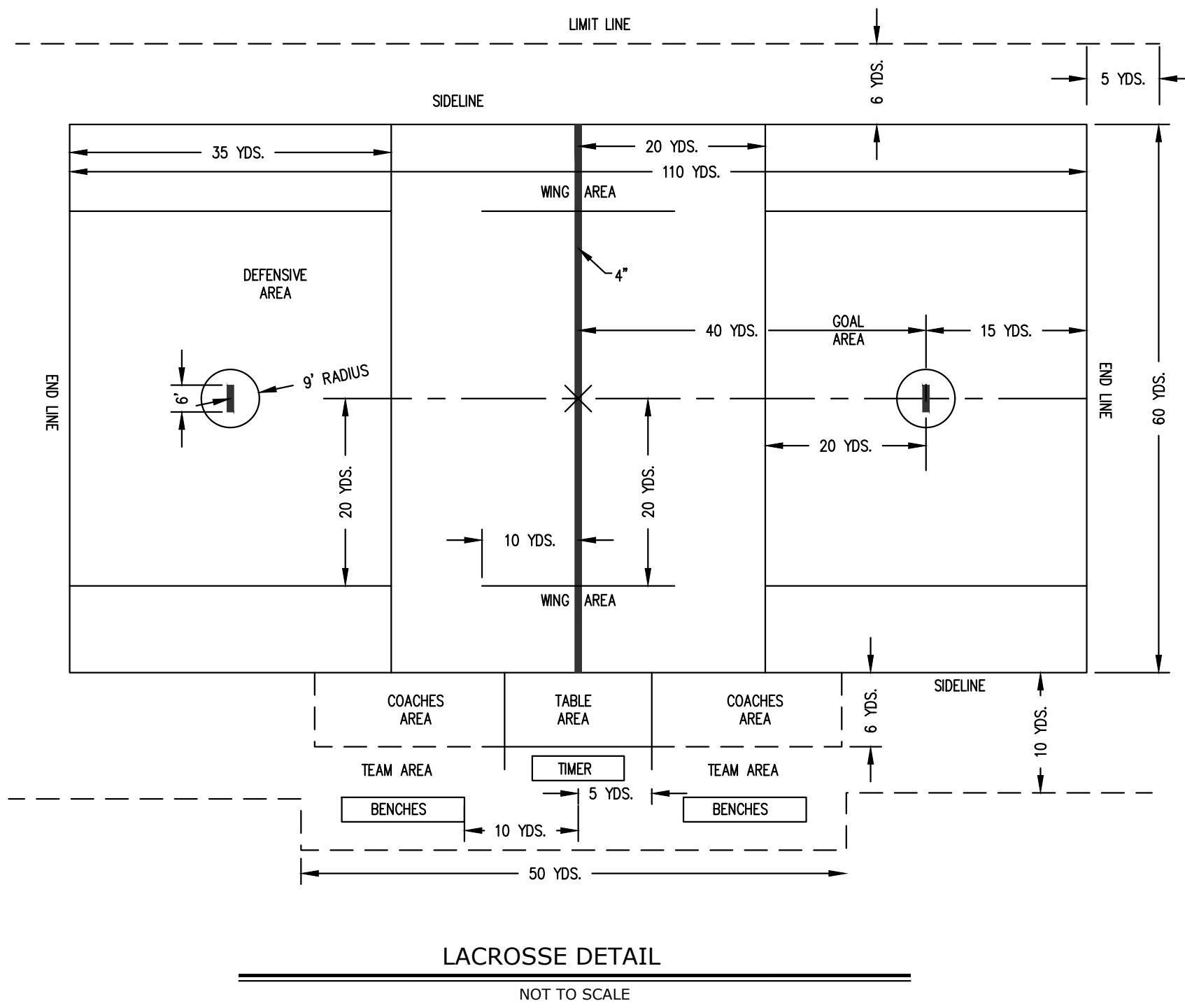
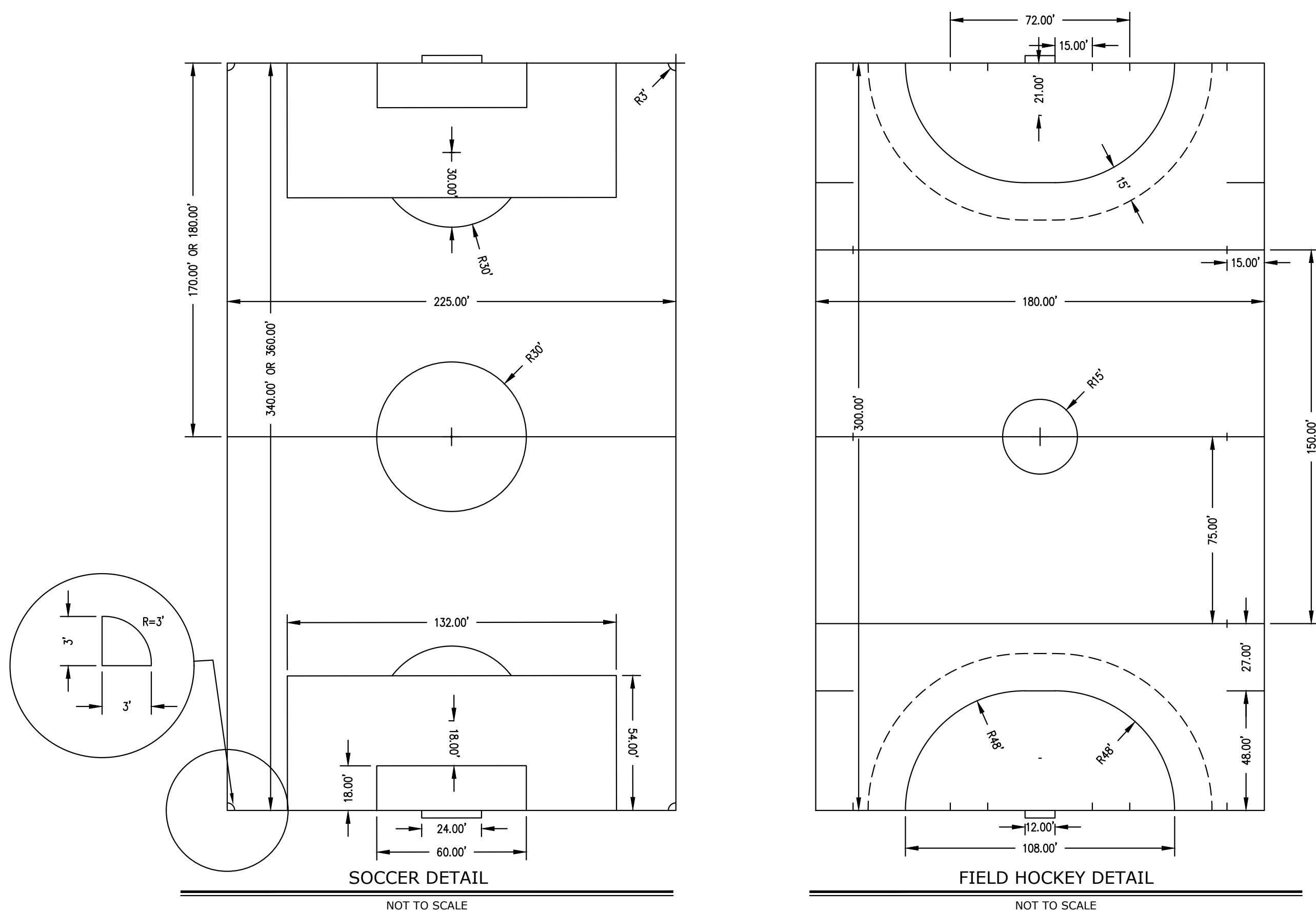
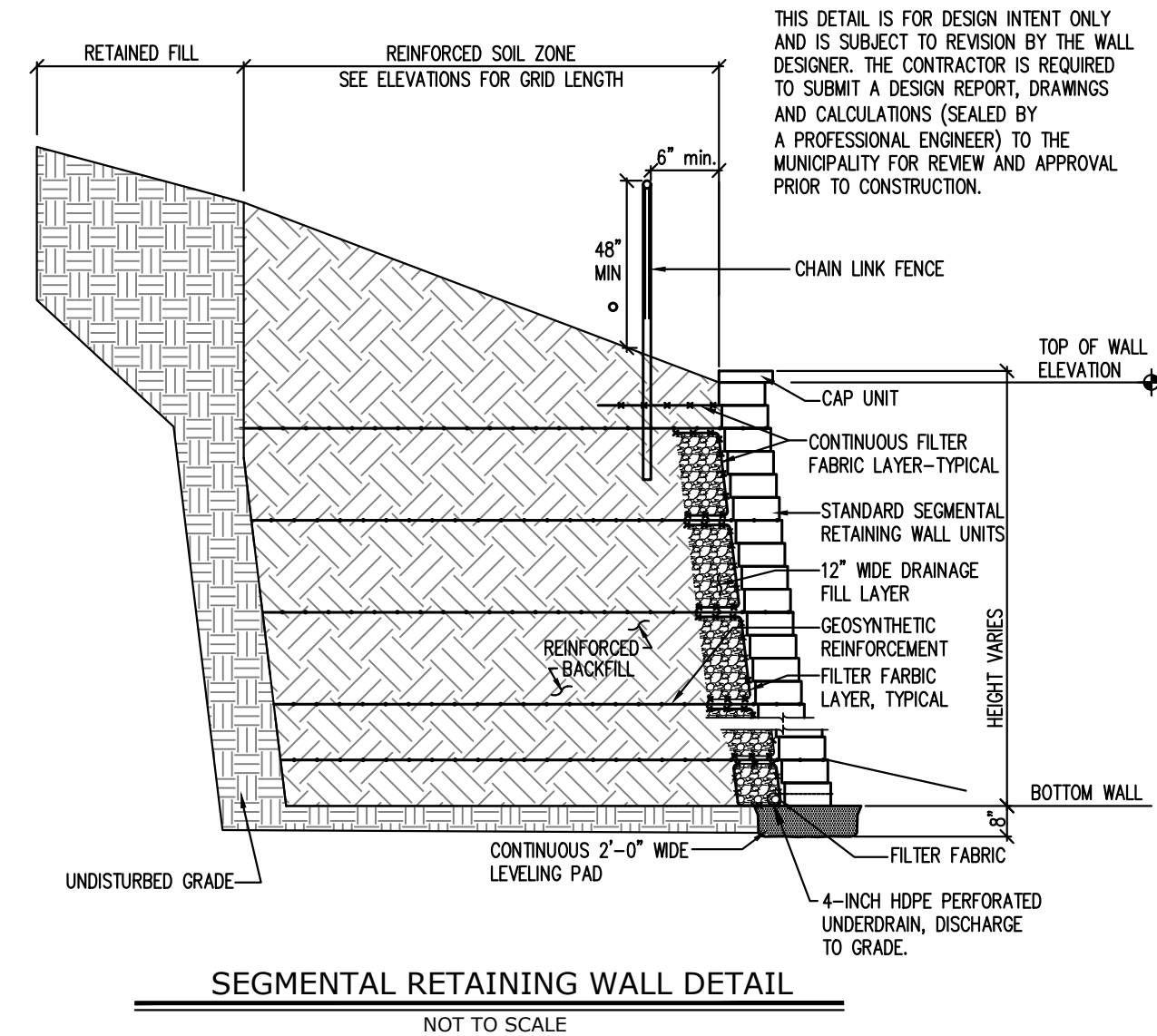
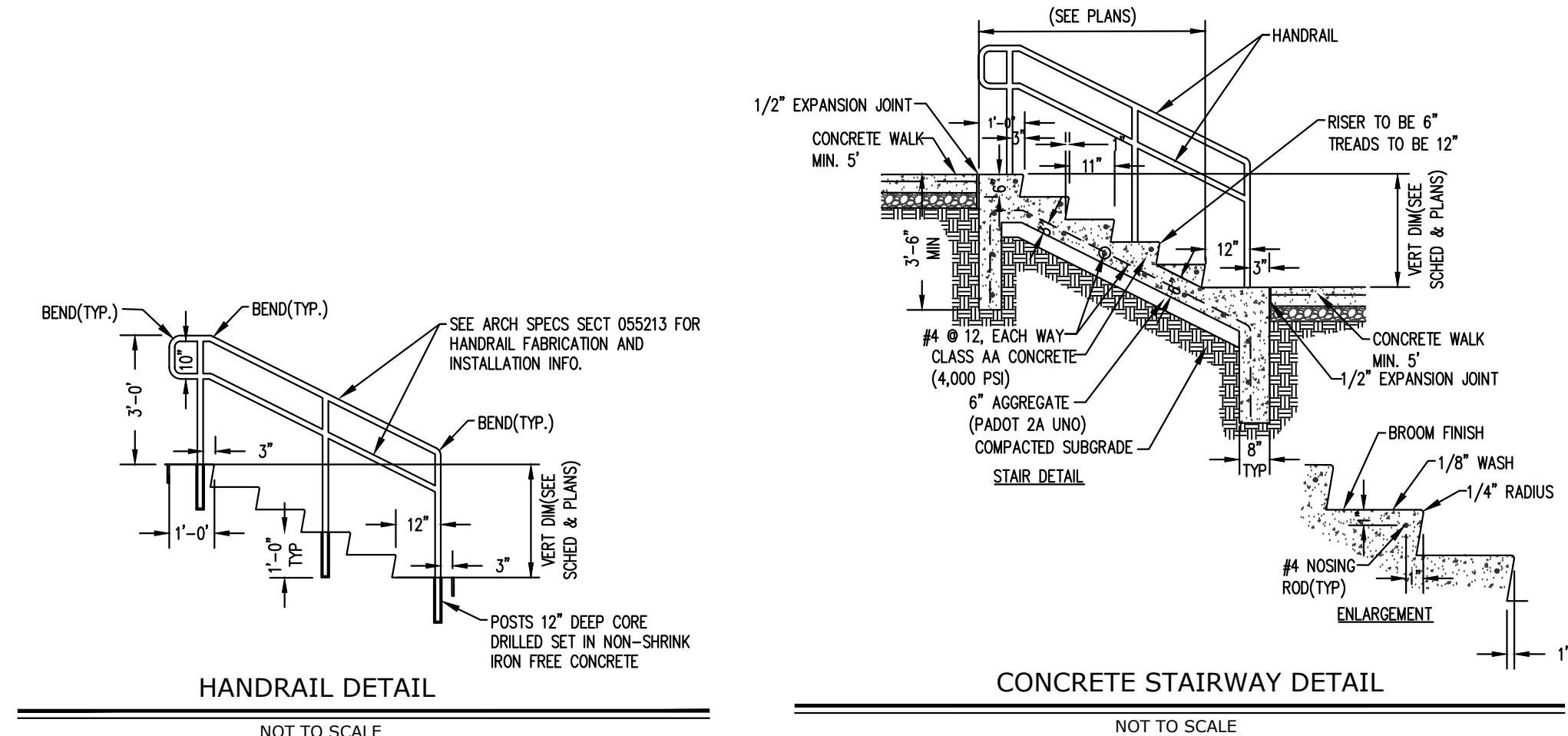
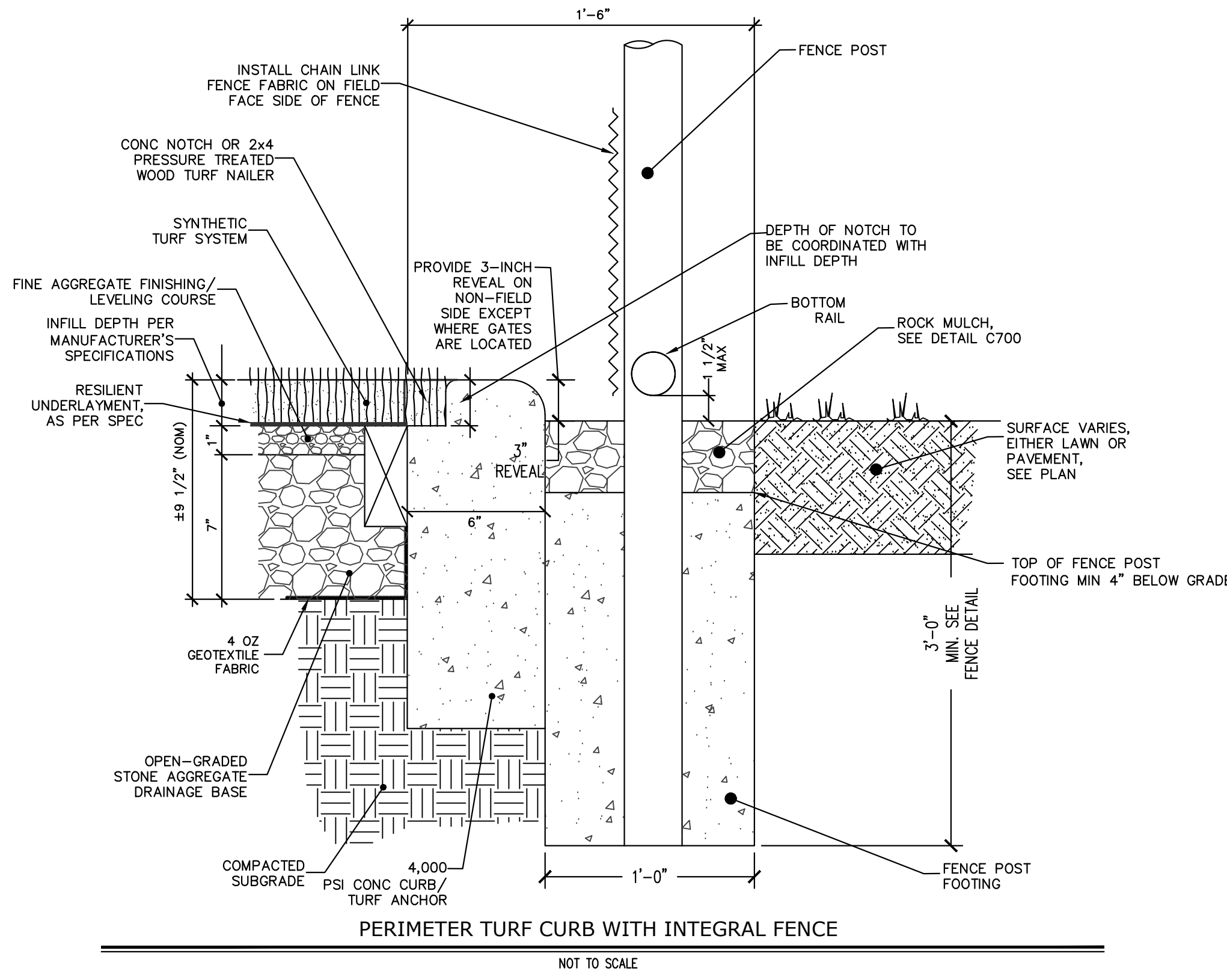
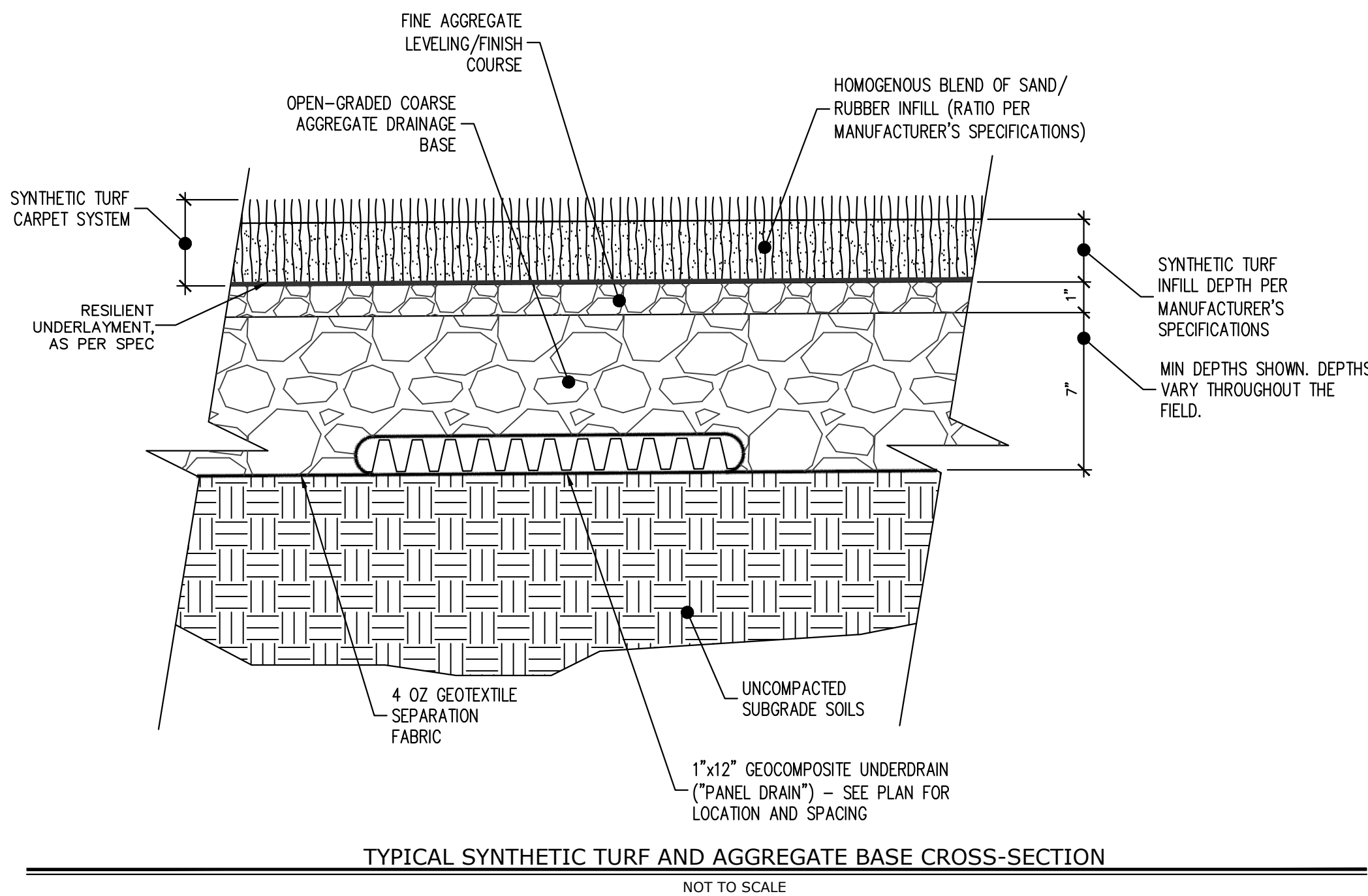
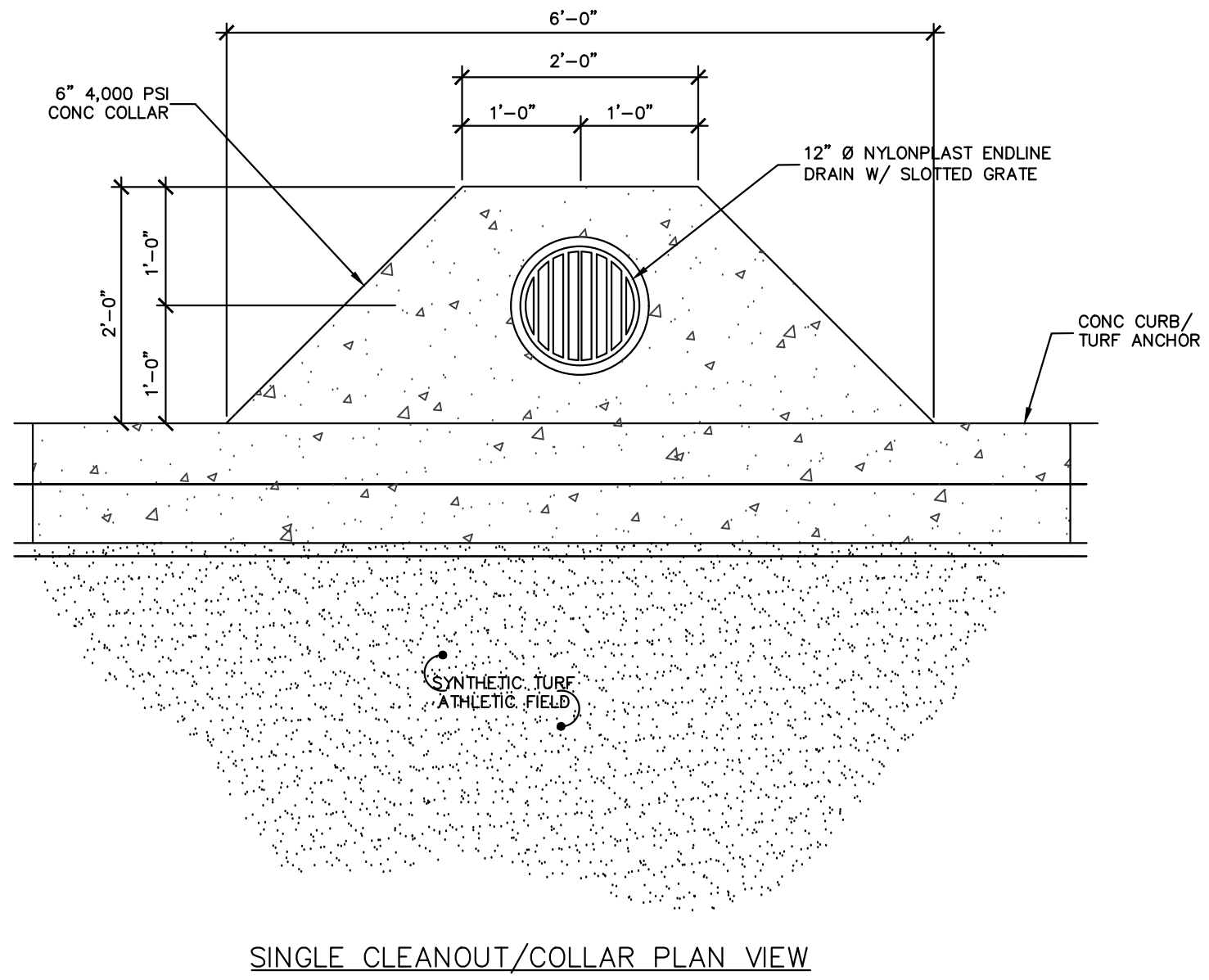
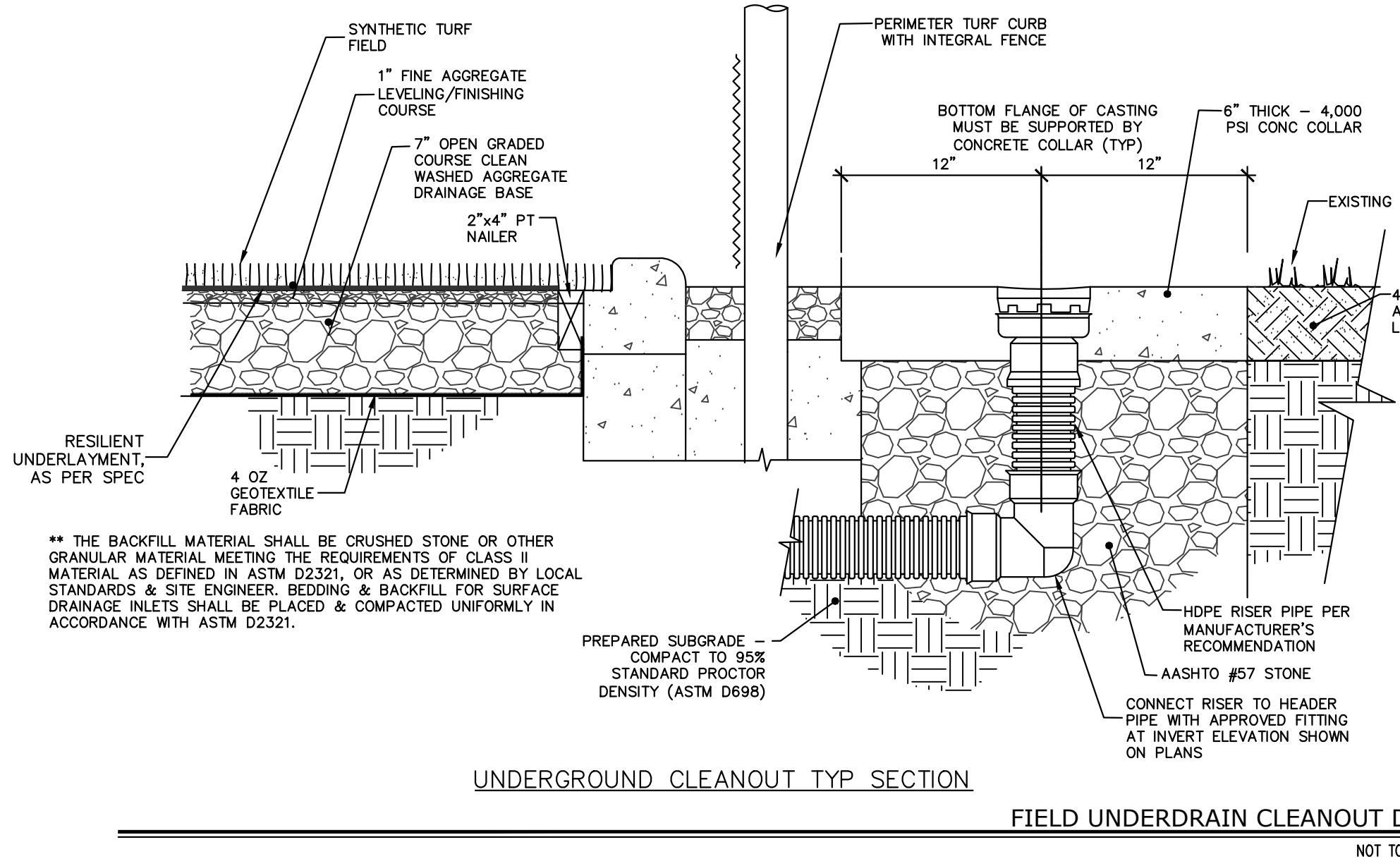
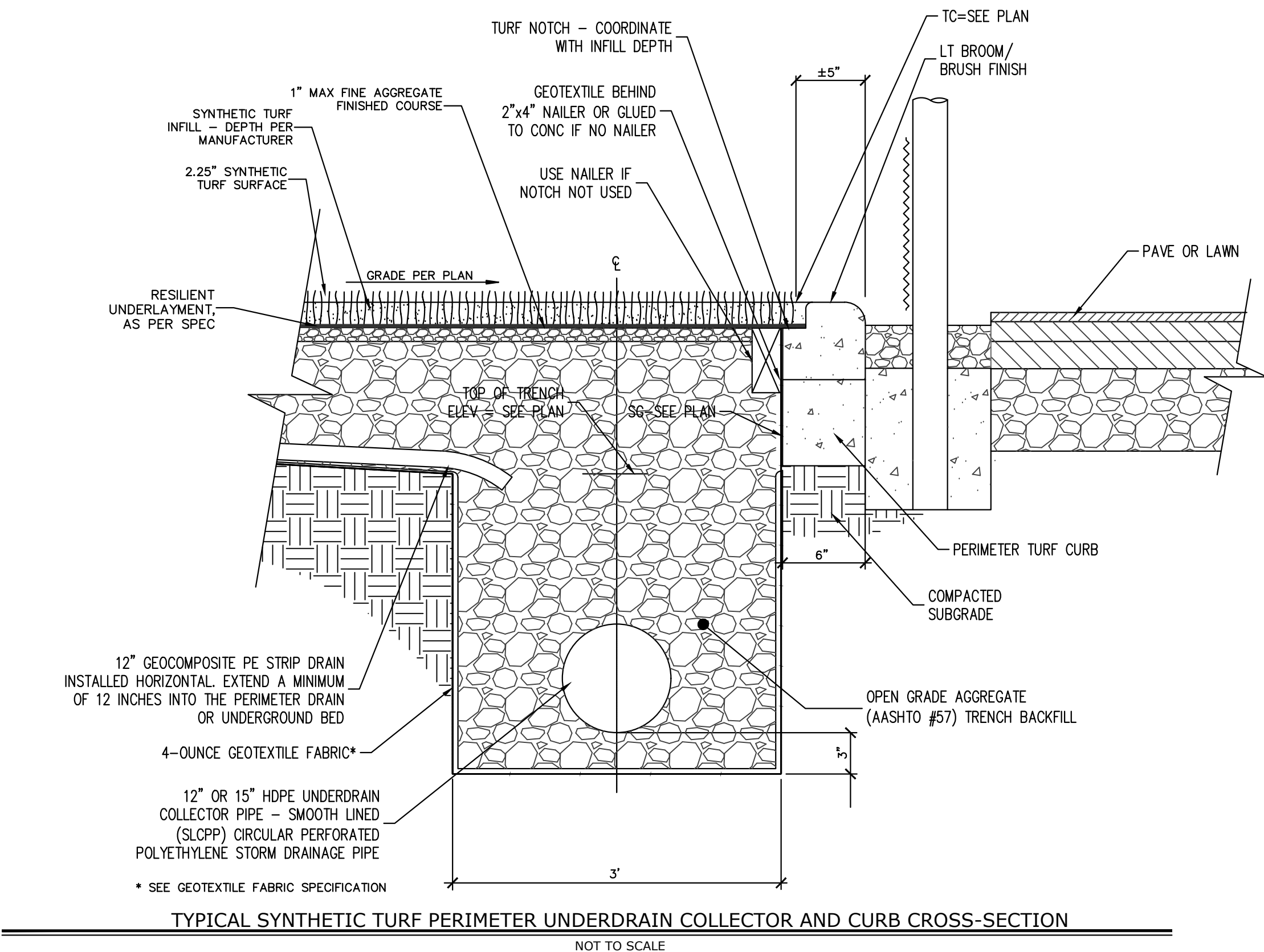


CIVIL
PROFILES

PLOTSCALE	NTS
FILENAME	240031
DATE	JULY 8, 2026

PROJECT
3706

C603



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NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
2	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
3	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
4	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
5	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
6	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
7	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
8	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
9	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT
10	12/31/2024	CRABTREE, ROHRBAUGH & ASSOCIATES	ISSUED FOR PERMIT

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

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NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



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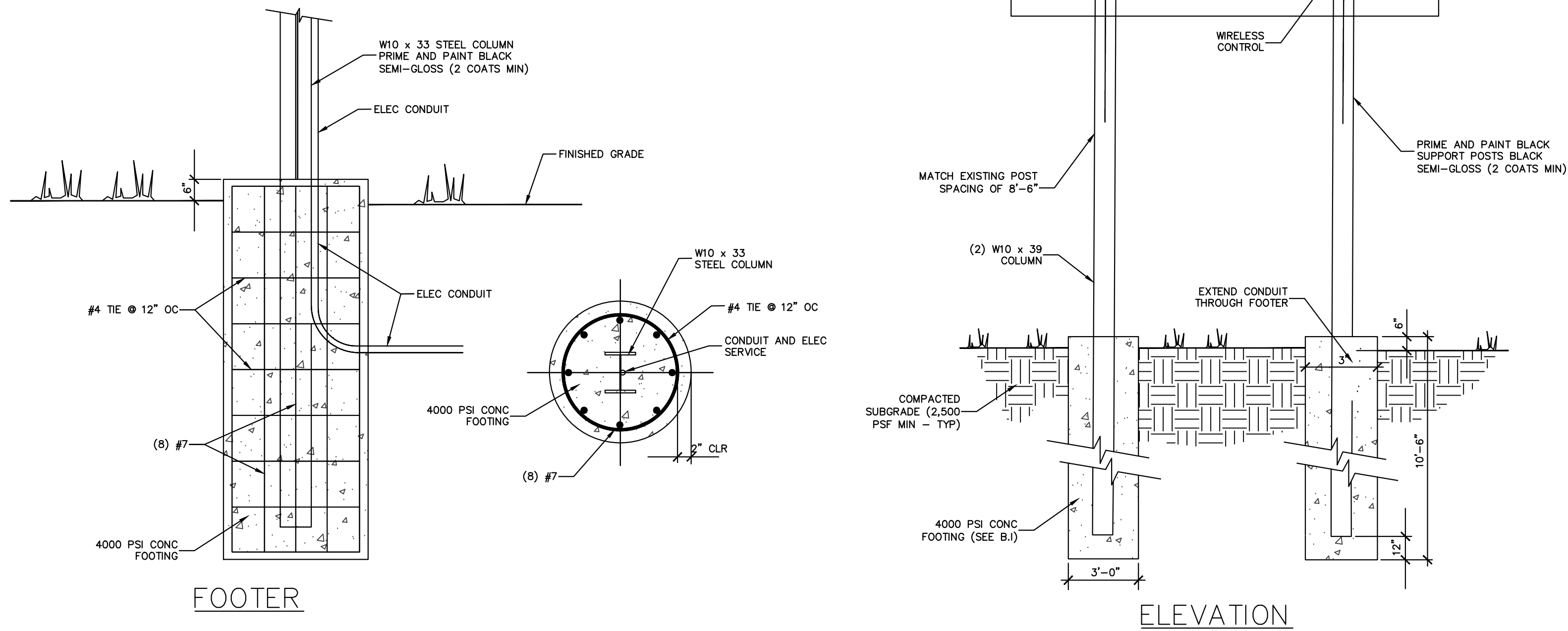
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JULY 8, 2026

PROJECT
3706

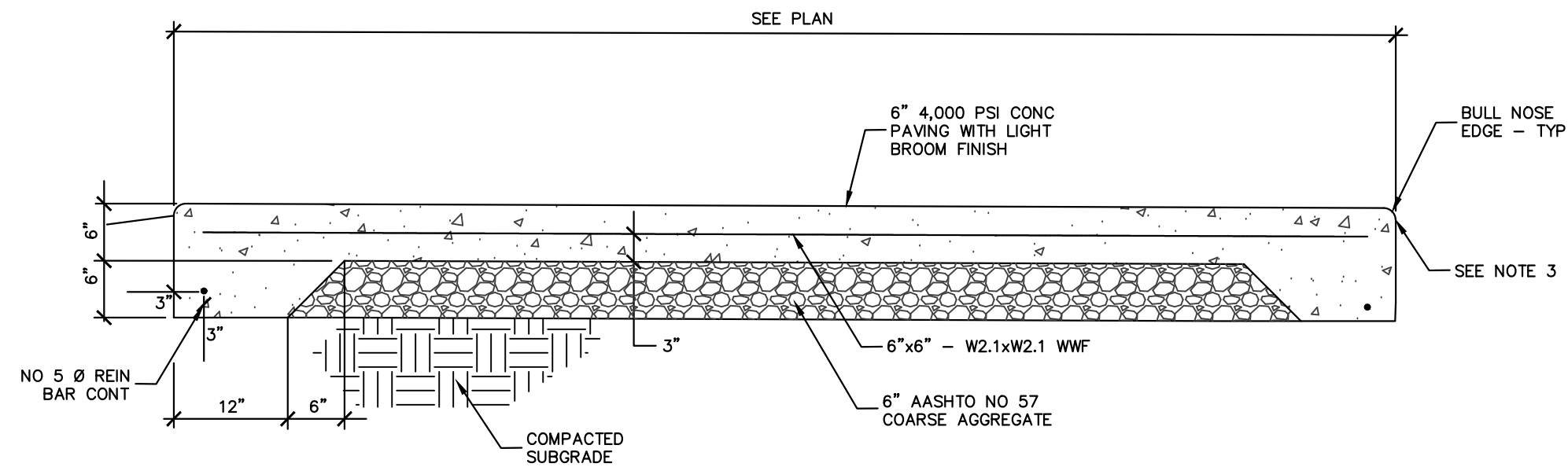
C604

NOTES:

- CONTRACTOR SHALL REMOVE EXISTING FIELD HOCKEY SCOREBOARD FROM EXISTING POSTS.
- DISCONNECT EXISTING ELECTRIC TO SCOREBOARD BUT LEAVE SERVICE ON EXISTING POLE.
- EXISTING POLES TO REMAIN FOR FUTURE.
- INSTALL NEW POST FOR RELOCATED SIGN AT NEW FIELD.
- INSTALL RELOCATED SCOREBOARD ON NEW POSTS.
- CONNECT NEW ELECTRIC SERVICE TO SCOREBOARD.



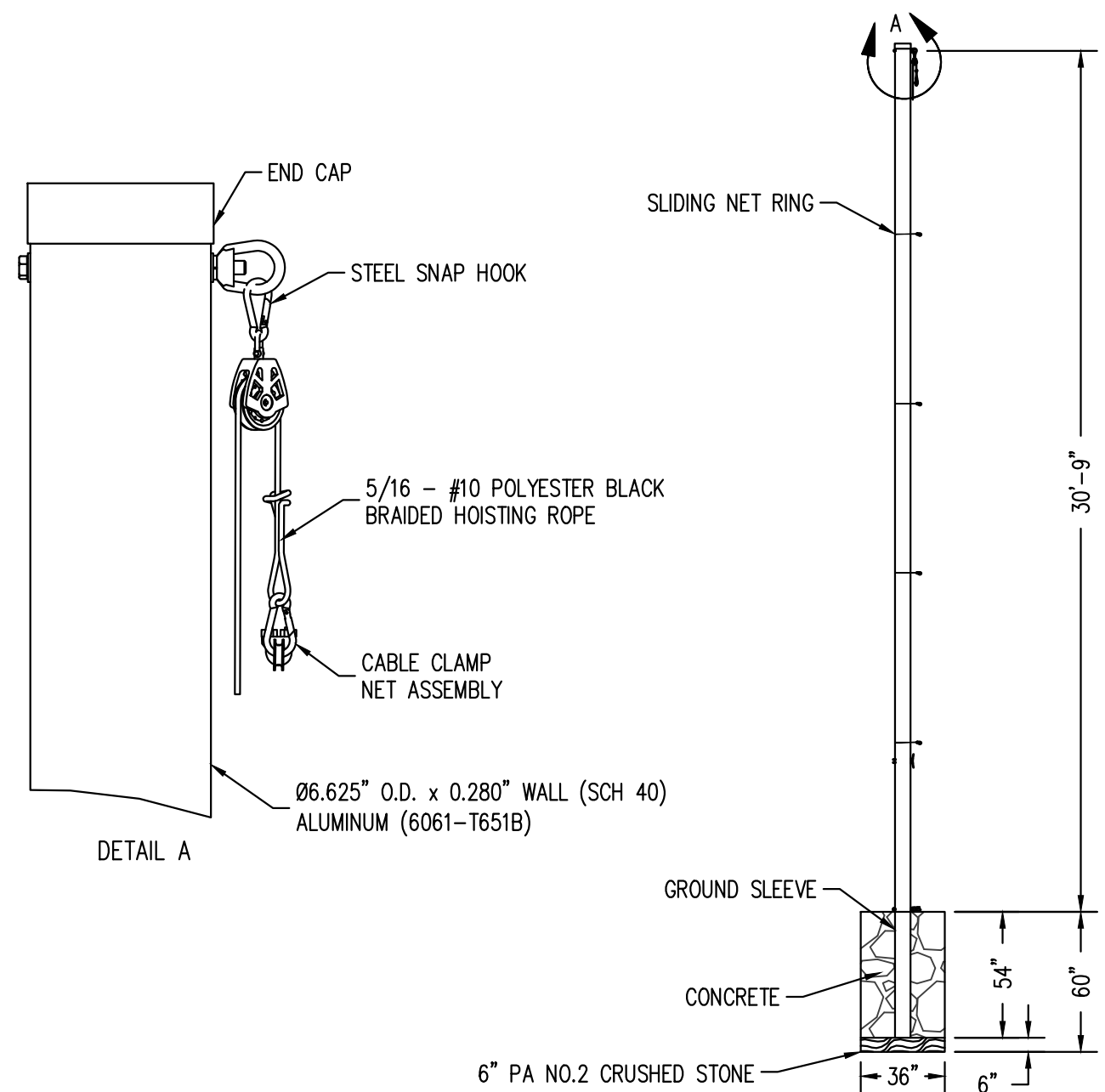
SCOREBOARD INSTALLATION
NOT TO SCALE



NOTES:

- PROVIDE EJ WITH FILLER WHERE SLAB EXCEEDS 30' IN ANY DIMENSION. PLACE EJ AT MIDPOINT OF SLAB.
- DIMENSIONS AS NOTED ON DRAWINGS. VERIFY SLAB DIMENSIONS WITH PORTABLE BLEACHER DIMENSIONS PRIOR TO CONSTRUCTION.
- SEAL JOINT WITH AC-20 WHERE BITUMINOUS PAVING IS ADJACENT. PROVIDE EJ WITH SEALANT WHERE ADJACENT TO CONC PAVING.
- SLOPE PAD TO DRAIN IN ONE DIRECTION AT 0.5% MIN TO 1.0 MAX.

CONCRETE BLEACHER PAD
NOT TO SCALE

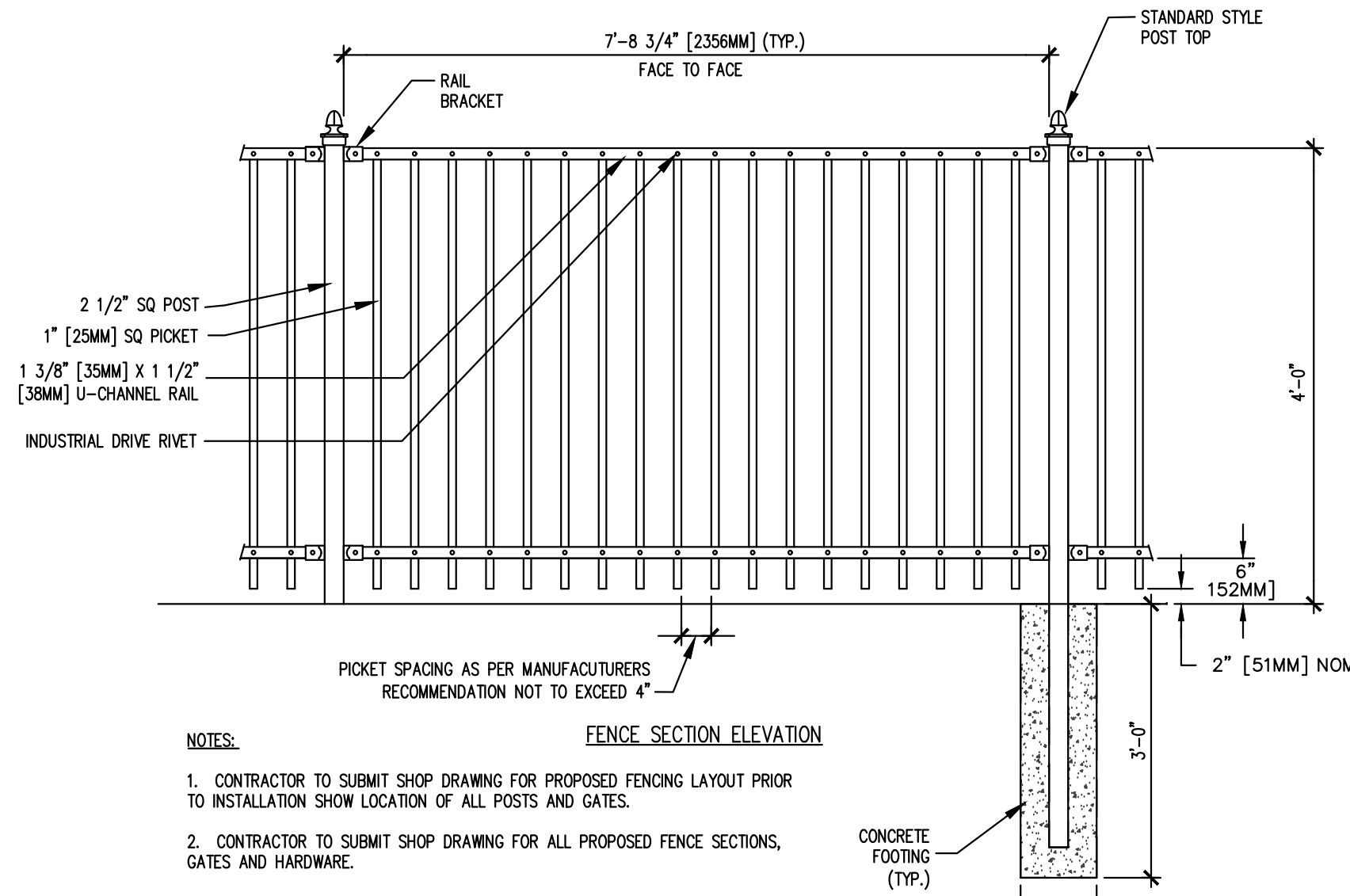


- FEATURES:
- 06.625" O.D. x 0.280" WALL (SCH 40) ALUMINUM (6061-T6S1B)
 - POWDER COAT BLACK FINISH
 - CORROSION RESISTANT HARDWARE
 - COMES WITH GROUND SLEEVE
 - GROUND SLEEVE COVER - OPTIONAL (P/N: FN-30-D)

NETTING OPTION:
* MULTI-SPORTS 1-3/4" x #36 KNOTTED NYLON SQ. MESH, UV TREATED WITH 1/4" ROPE BORDER

30 FT ALUMINUM BALL STOP POLE SYSTEM
NOT TO SCALE

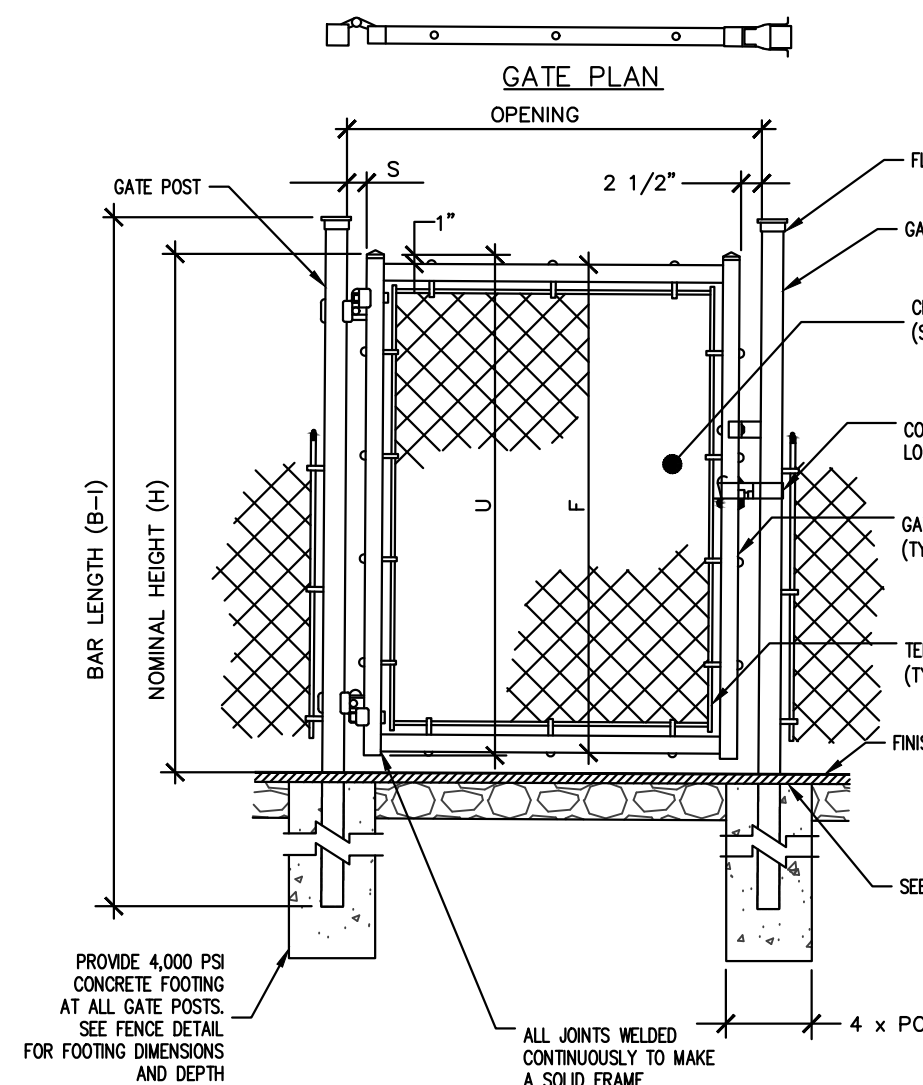
REMOVED 20 FT ALUMINUM BALL STOP POLE SYSTEM DETAIL
ADD RETAINING WALL FENCE DETAIL



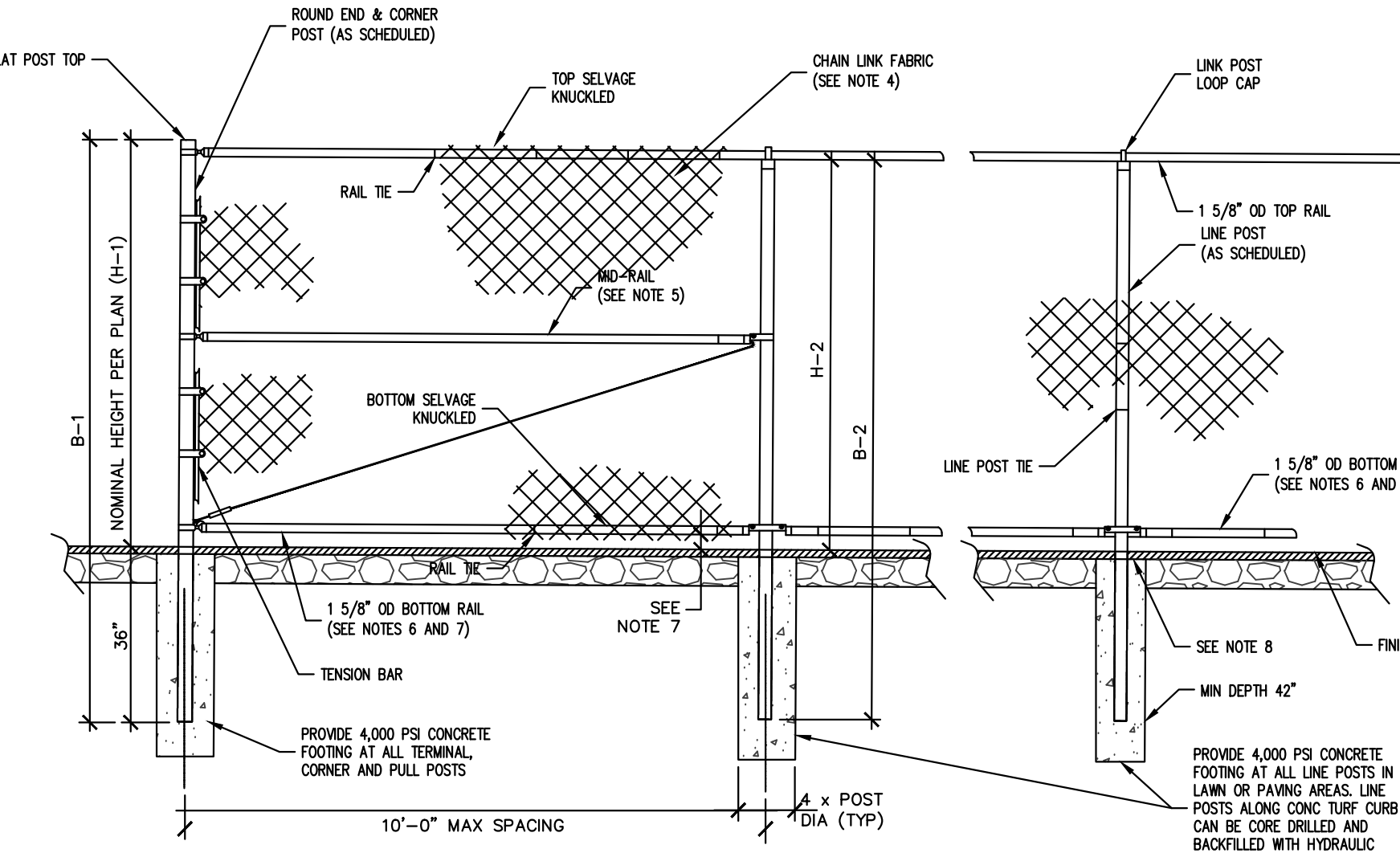
NOTES:

- CONTRACTOR TO SUBMIT SHOP DRAWING FOR PROPOSED FENCING LAYOUT PRIOR TO INSTALLATION SHOW LOCATION OF ALL POSTS AND GATES.
- CONTRACTOR TO SUBMIT SHOP DRAWING FOR ALL PROPOSED FENCE SECTIONS, GATES AND HARDWARE.

RETAINING WALL FENCE DETAILS
NOT TO SCALE

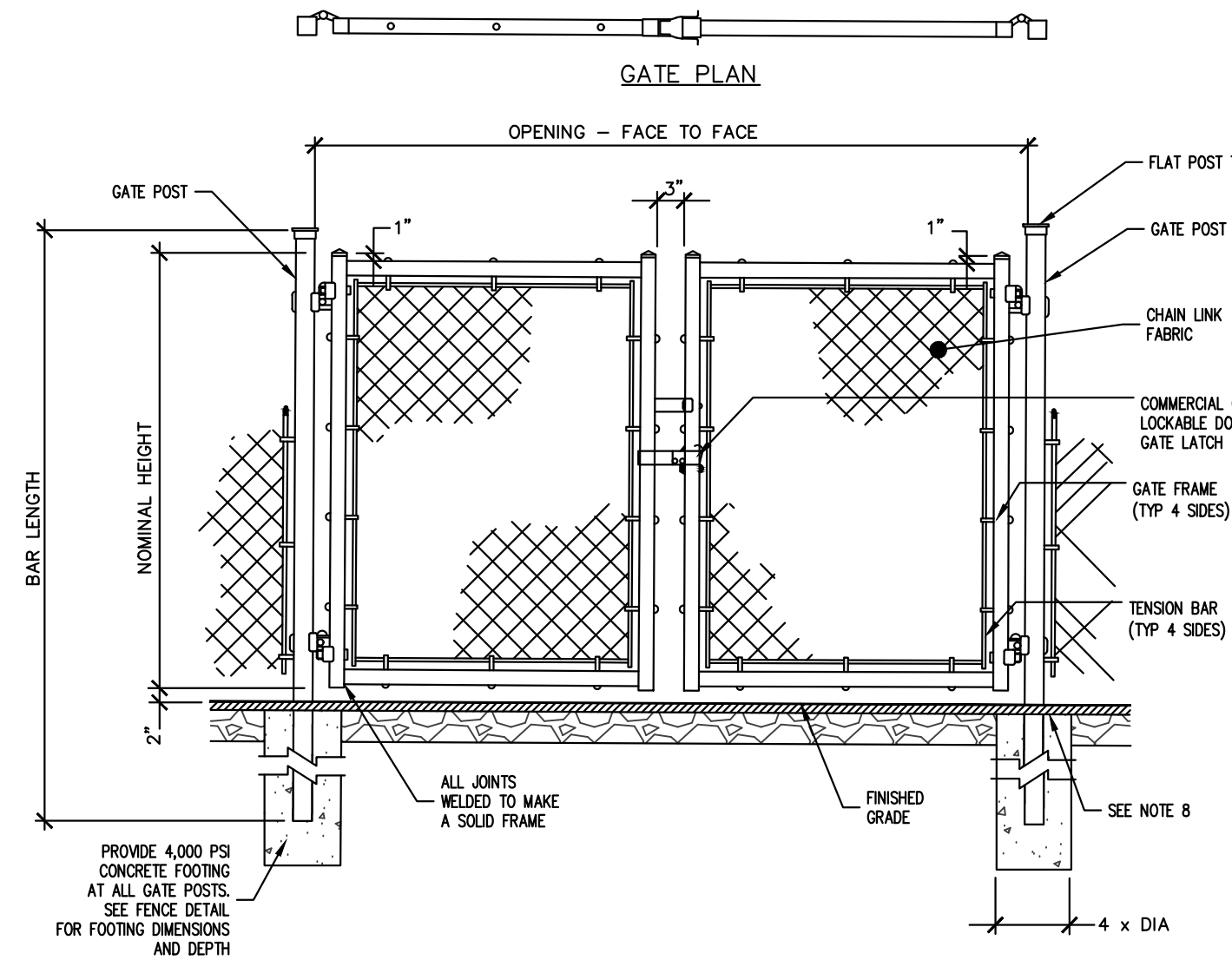


SINGLE LEAF SWING GATE		
NOMINAL HEIGHT (H)	UPRIGHT HEIGHT (U)	FRAME HEIGHT (F)
3'-6"	3'-4"	3'-2 1/2"
8'-0"	7'-10"	7'-8 1/2"
OPENING	GATE POSTS	HINGE SPACE (S)
3' TO 6'	3" O.D. ROUND PIPE	2'-1/4"



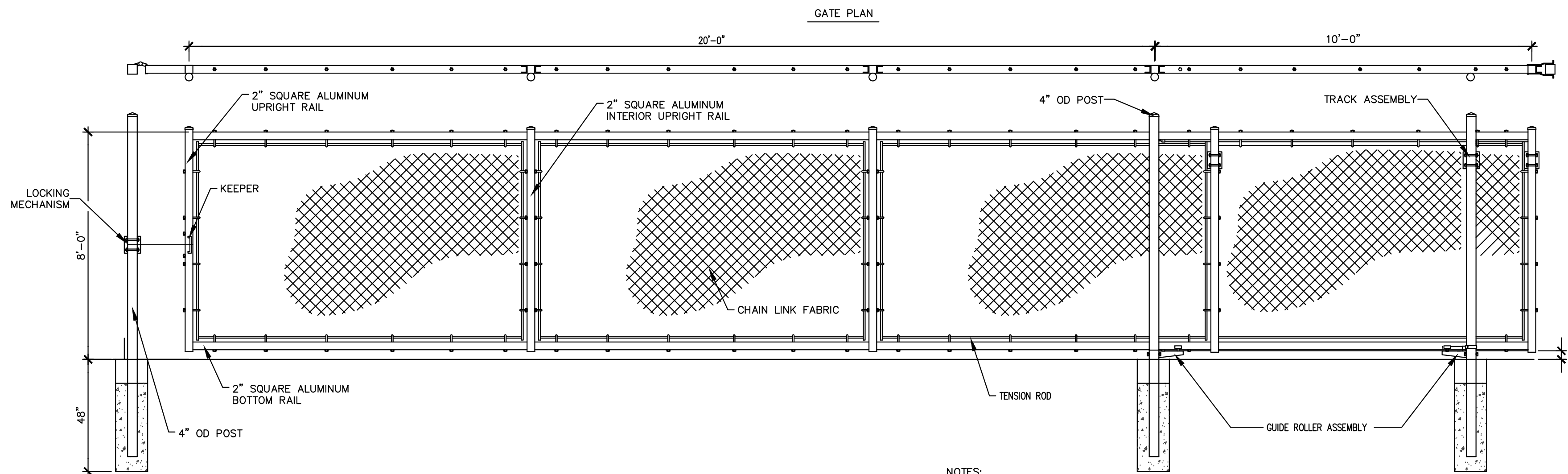
FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	B-1 H-1 HEIGHT ROUND PIPE BAR LENGTH ABOVE GRADE (OD)	B-2 H-2 HEIGHT ROUND PIPE BAR LENGTH ABOVE GRADE (OD)	B-1 H-1 HEIGHT ROUND PIPE BAR LENGTH ABOVE GRADE (OD)	B-2 H-2 HEIGHT ROUND PIPE BAR LENGTH ABOVE GRADE (OD)
3'-6"	6'-6"	3'-6 5/8"	2 1/2"	6'-2"
8'-0"	11'-0"	8'-0 5/8"	3"	8'-8"

CHAIN LINK FENCE
NOT TO SCALE



DOUBLE LEAF SWING GATE		
NOMINAL HEIGHT (H)	UPRIGHT HEIGHT (U)	FRAME HEIGHT (F)
3'-6"	3'-4"	3'-2 1/2"
8'-0"	7'-10"	7'-8 1/2"
OPENING	GATE POSTS	HINGE SPACE (S)
8'-12"	3" O.D. ROUND PIPE	2 1/4"

CHAIN LINK SWING GATES
NOT TO SCALE

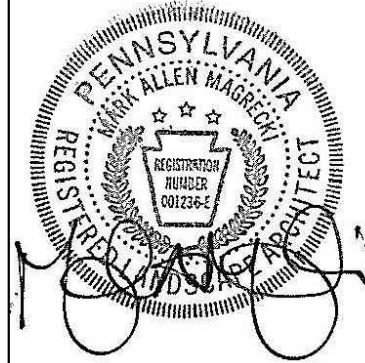


NOTES:

- CONTRACTOR TO SUBMIT MANUFACTURERS SHOP DRAWING PRIOR TO INSTALLATION
- PROVIDE CANTILEVER GATE IN ACCORDANCE WITH SPECIFICATION AND MANUFACTURERS REQUIREMENTS.

CANTILEVERED FENCE DETAIL
NOT TO SCALE

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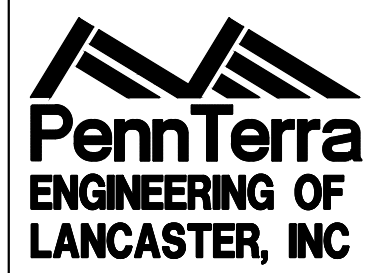
NO.	DATE	NAME	DESCRIPTION OF CHANGES

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



CIVIL
PROFILES

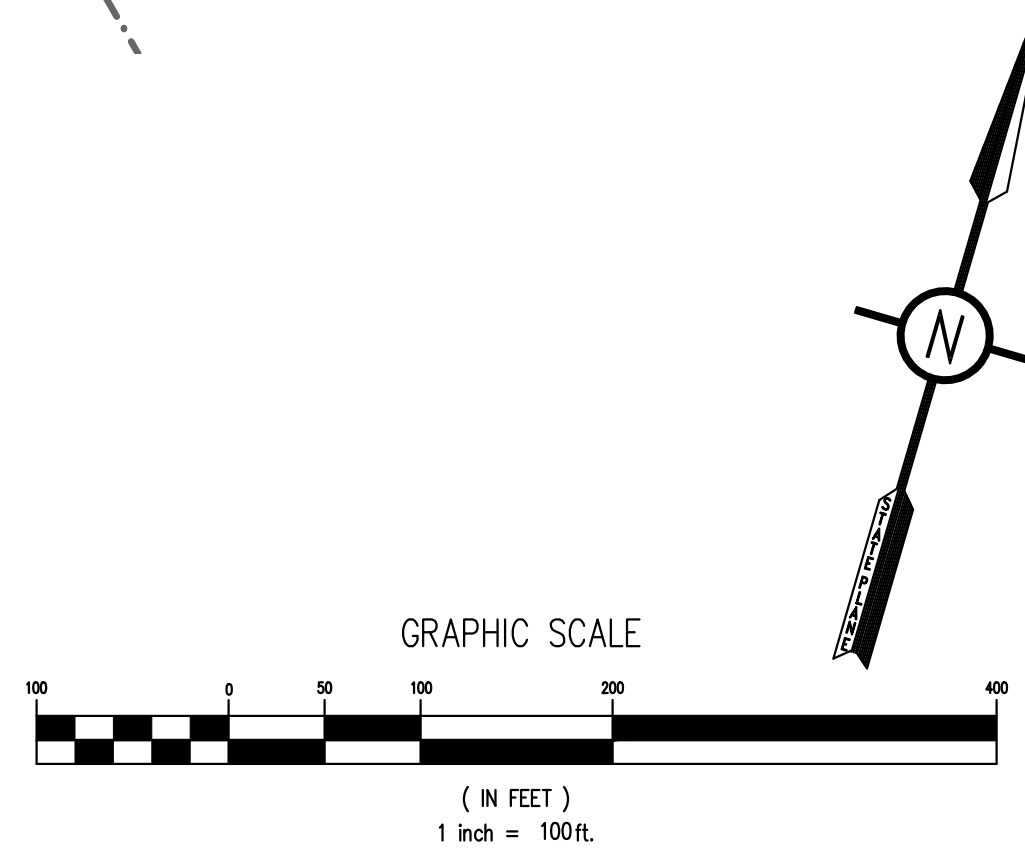
PROJECT
3706

C605

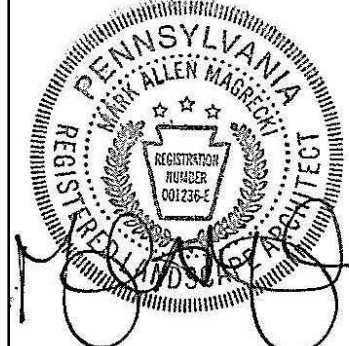
PLOTSCALE:
NTS
FILENAME:
240031
DATE:
JULY 8, 2026



- SOILS LEGEND**
Soil cover on the site consists of:
CbA - Chester Silt Loam, 25-35 Slopes
CbB - Genesee Silt Loam, 35-45 Slopes
CbC - Genesee Silt Loam, 45-55 Slopes
CbD - Genesee Silt Loam, 55-65 Slopes
CbE - Genesee Silt Loam, 65-75 Slopes
CbF - Genesee Silt Loam, 75-85 Slopes
CbG - Genesee Silt Loam, 85-95 Slopes
CbH - Genesee Silt Loam, 95-105 Slopes
CbI - Genesee Silt Loam, 105-115 Slopes
CbJ - Genesee Silt Loam, 115-125 Slopes
CbK - Genesee Silt Loam, 125-135 Slopes
CbL - Genesee Silt Loam, 135-145 Slopes
CbM - Genesee Silt Loam, 145-155 Slopes
CbN - Genesee Silt Loam, 155-165 Slopes
CbO - Genesee Silt Loam, 165-175 Slopes
CbP - Genesee Silt Loam, 175-185 Slopes
CbQ - Genesee Silt Loam, 185-195 Slopes
CbR - Genesee Silt Loam, 195-205 Slopes
CbS - Genesee Silt Loam, 205-215 Slopes
CbT - Genesee Silt Loam, 215-225 Slopes
CbU - Genesee Silt Loam, 225-235 Slopes
CbV - Genesee Silt Loam, 235-245 Slopes
CbW - Genesee Silt Loam, 245-255 Slopes
CbX - Genesee Silt Loam, 255-265 Slopes
CbY - Genesee Silt Loam, 265-275 Slopes
CbZ - Genesee Silt Loam, 275-285 Slopes
- SURVEY FEATURES LEGEND**
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
Building Footprint Line
- EXISTING FEATURES LEGEND**
Existing Building
Existing Curbing
Existing Contours(1%)
Existing Contours(5%)
Existing Contours(10%)
Existing Soil Limit Line
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence
Existing Boundary Line
LIMIT OF DISTURBANCE
- EROSION & SEDIMENTATION CONTROL LEGEND**
NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE



CONFORMED SET



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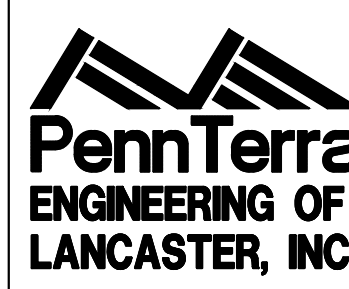
REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
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2	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
3	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
4	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
5	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
6	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
7	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
8	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
9	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT
10	07/08/2026	NC	NEW	NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES THE SOLANCO SCHOOL DISTRICT

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



EROSION & SEDIMENTATION
EXISTING CONDITIONS

PLOT SCALE:
1"=100'

FILENAME:
24031

DATE:
JULY 8, 2026

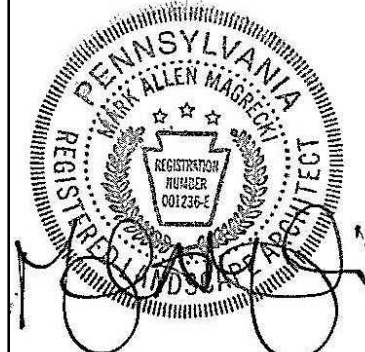
PROJECT
3706

C801



- SOILS LEGEND**
Soil cover on the site consists of:
G2A - Chester SH Loom, 0%-3% Slopes
G2B - Glenale SH Loom, 3%-8% Slopes
G2C - Glenale SH Loom, 8%-15% Slopes
G2D - Glenale SH Loom, 15%-45% Slopes
M2C - Manor SH Loom, 8%-15% Slopes
- SURVEY FEATURES LEGEND**
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
- EXISTING FEATURES LEGEND**
Existing Building
Existing Contour (1'x)
Existing Contour (5'x)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
- EROSION & SEDIMENTATION CONTROL LEGEND**
NPDES Boundary Line
Limit of Disturbance

CONFORMED SET



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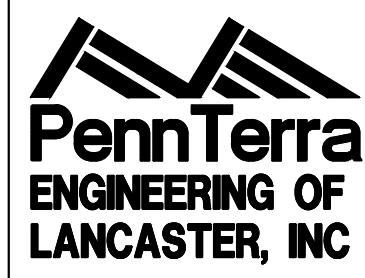
NO.	DATE	NAME	DESCRIPTION OF CHANGES

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

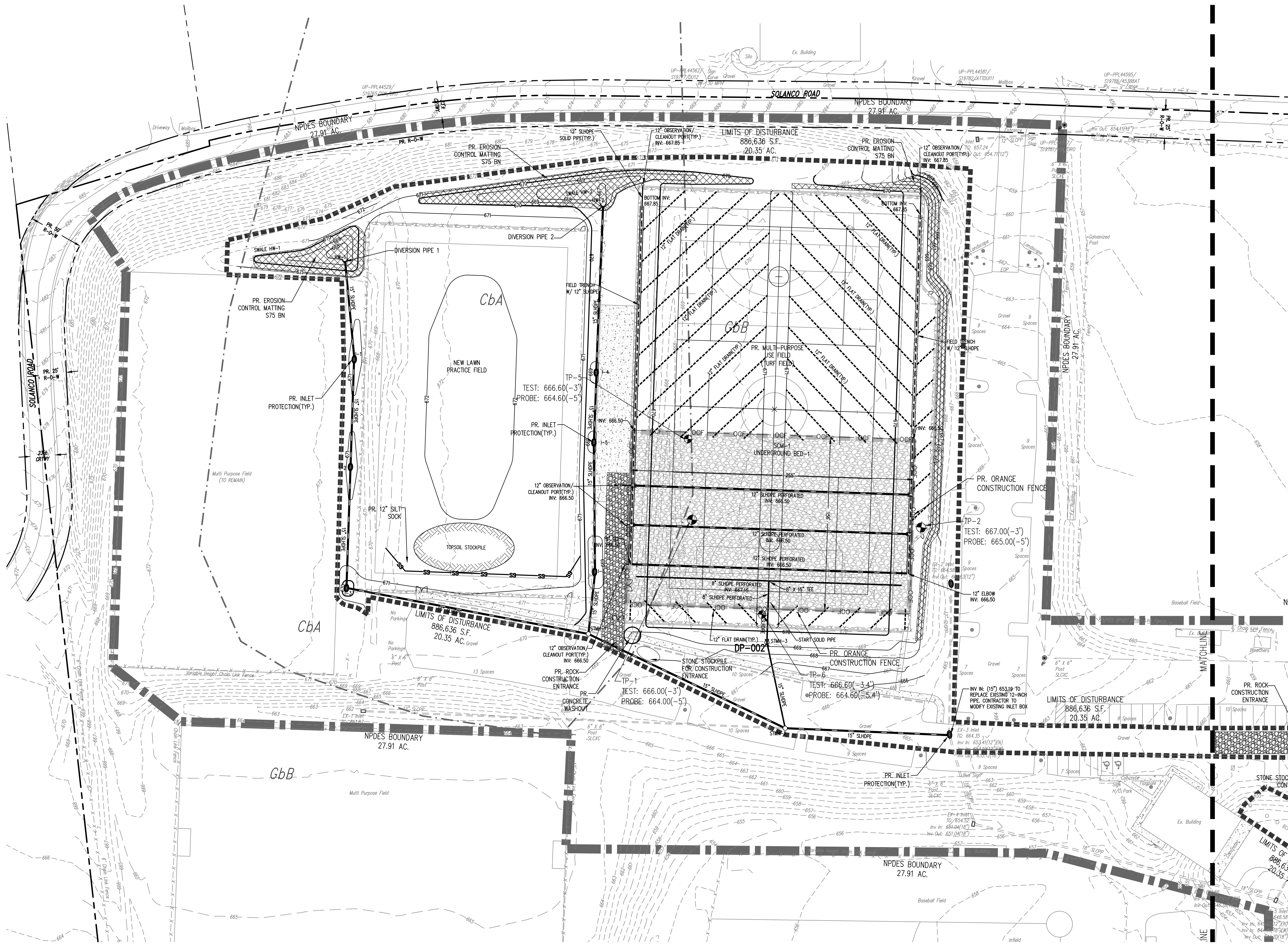


EROSION & SEDIMENTATION
EXISTING CONDITIONS

PLOT SCALE:
1"=100'
FILENAME:
24031
DATE:
JULY 8, 2026

PROJECT
3706

C802



SOILS LEGEND
Soil cover on the site consists of:
Cba - Chester Silt Loam, 25-35 Slopes
GbB - Glenville Silt Loam, 35-55 Slopes
GcC - Glenville Silt Loam, 35-55 Slopes
GdD - Glenville Silt Loam, 35-55 Slopes
MgD - Minor Silt Loam, 35-55 Slopes

SURVEY FEATURES LEGEND
Right-of-Way Line
Adjoining Property Line
Building Setback Line
Property Line, Lot Line

EXISTING FEATURES LEGEND
Existing Building
Existing Curbing
Existing Contours(1's)
Existing Contours(5's)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

PROPOSED FEATURES LEGEND
PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY

EROSION & SEDIMENTATION CONTROL LEGEND
NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE
SILT SOCK
CONSTRUCTION ENTRANCE
INLET PROTECTION
RP-RAP APRON
EROSION CONTROL MATTING
EROSION CONTROL MATTING
TOPSOIL STOCKPILE

NOTE:
ALL INLETS TO RECEIVE INLET PROTECTION DURING CONSTRUCTION PER THE DETAILS ON C808

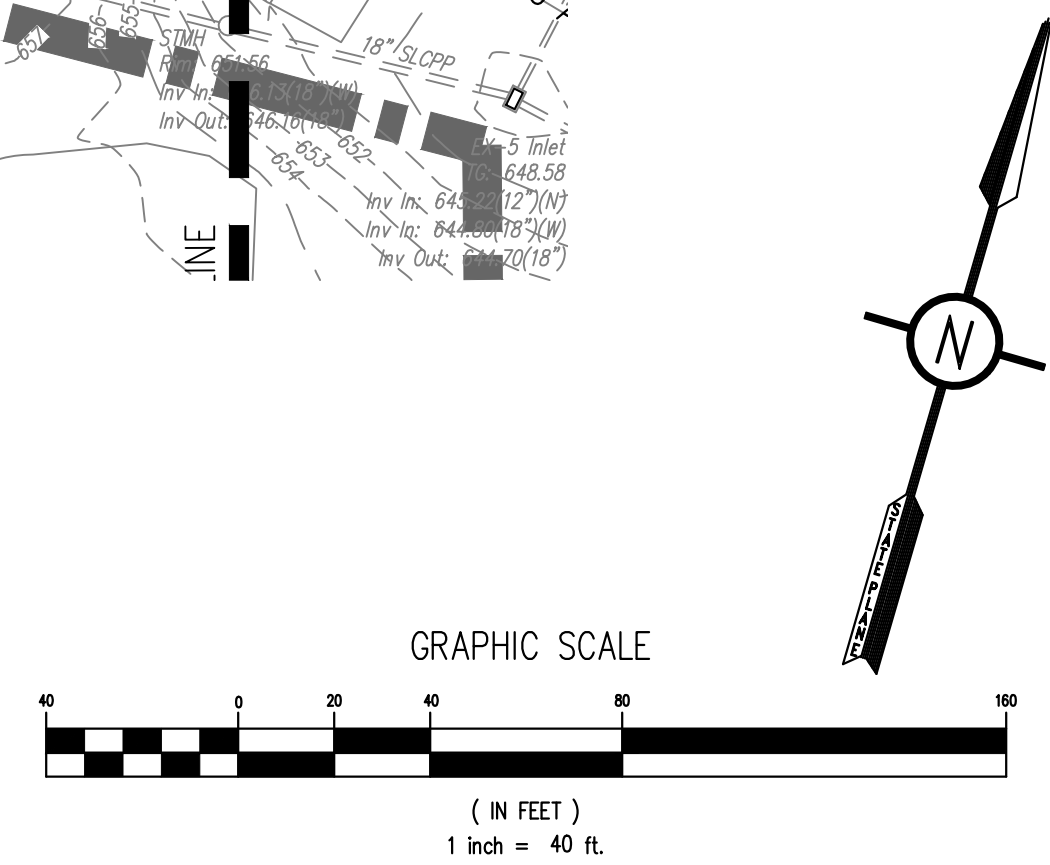
Test Pit / Soil Boring Log No. Test Locations: 6

Test Location ID	Investigation Method	Total Depth Investigated (ft)	Limiting Zone Elevation (ft)	Limiting Zone Description	Infiltration Test(s) Completed?
TP1	Test Pit	5		None	Yes
TP2	Test Pit	5		None	Yes
TP3	Test Pit	5		None	Yes
TP4	Test Pit	4		None	Yes
TP5	Test Pit	5		None	Yes
TP6	Test Pit	5		None	Yes

Infiltration Test Results No. Infiltration Tests: 6

Test Location ID	Infiltration Test ID	Infiltration Test Elevation (ft)	Infiltration Test Method	Field Keat (in/hr)	Temp (°F)	Adjusted Keat (in/hr)
TP1	TP1	666	Double Ring	6	60	6.600
TP2	TP2	667	Double Ring	0.6	60	0.600
TP3	TP3	604	Other	16.54	60	16.534
TP4	TP4	603	Double Ring	9.75	60	10.725
TP5	TP5	666	Double Ring	1.8	65	1.800
TP6	TP6	667	Double Ring	4.8	65	4.800

Recommended infiltration test location frequency: 1 test / 40,000 square feet (4 minimum)
Actual infiltration test location frequency: 1.1 test(s) / 40,000 square feet
Infiltration test location frequency is adequate.



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REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

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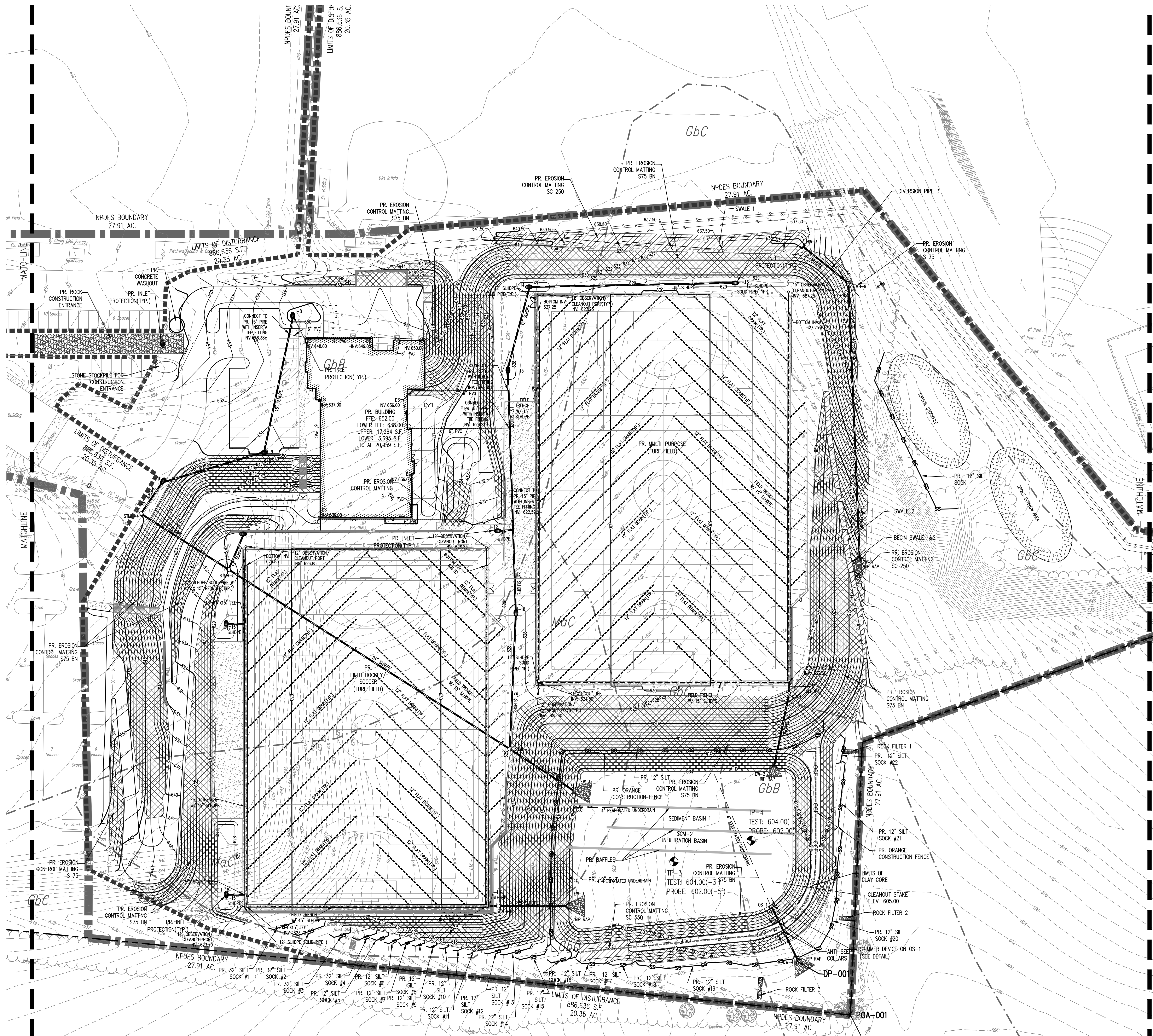
**NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT**

EROSION & SEDIMENTATION SITE

PROJECT 3706

C803

DATE: JULY 8, 2026



SOILS LEGEND
Soil cover on the site consists of:
GcA - Chester Silt Loom, 0%-3% Slopes
GcB - Glenora Sil Loom, 3%-8% Slopes
GcC - Glenora Sil Loom, 8%-15% Slopes
GcD - Glenora Sil Loom, 15%-25% Slopes
Mac - Manor Sil Loom, 25%-35% Slopes

SURVEY FEATURES LEGEND
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line

EXISTING FEATURES LEGEND
Existing Building
Existing Curbing
Existing Contours(1's)
Existing Contours(5's)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

PROPOSED FEATURES LEGEND
PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY

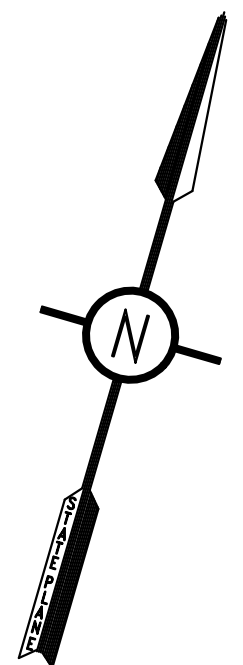
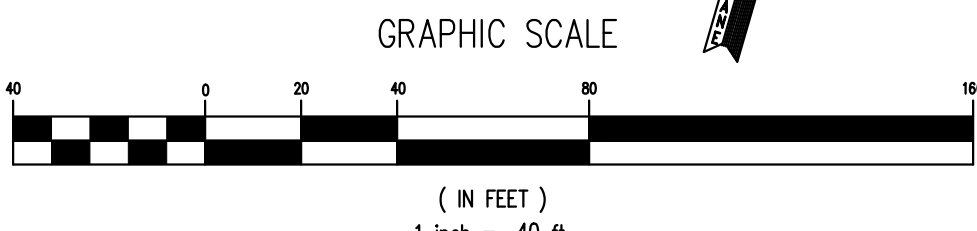
EROSION & SEDIMENTATION CONTROL LEGEND
NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE
SILT SOCK
CONSTRUCTION ENTRANCE
INLET PROTECTION
RP-RAP APRON
EROSION CONTROL MATTING
EROSION CONTROL MATTING
TOPSOIL STOCKPILE
TOPSOIL STOCKPILE

NOTE:
ALL INLETS TO RECEIVE INLET PROTECTION DURING CONSTRUCTION PER THE DETAILS ON C808

Test Pit / Soil Boring Log					
No. Test Locations: 6					
Test Location ID	Investigation Method	Total Depth Investigated (ft)	Limiting Zone Elevation (ft)	Limiting Zone Description	Infiltration Tests Completed?
TP1	Test Pit	5		None	Yes
TP2	Test Pit	5		None	Yes
TP3	Test Pit	5		None	Yes
TP4	Test Pit	5		None	Yes
TP5	Test Pit	5		None	Yes
TP6	Test Pit	5		None	Yes

Infiltration Test Results					
No. Infiltration Tests: 6					
Test Location ID	Infiltration Test ID	Infiltration Test Method	Field Keat (in/hr)	Temp (F)	Adjusted Keat (in/hr)
TP1	TP1	Double Ring	6	60	6.600
TP2	TP2	Double Ring	0.6	60	0.660
TP3	TP3	Other	16.94	60	16.634
TP4	TP4	Double Ring	9.75	60	10.725
TP5	TP5	Double Ring	1.8	65	1.800
TP6	TP6	Double Ring	4.8	65	4.800

Recommended infiltration test location frequency: 1 test / 40,000 square feet (4 minimum)
Actual infiltration test location frequency: 1.1 test(s) / 40,000 square feet
Infiltration test location frequency is adequate.



CONFORMED SET



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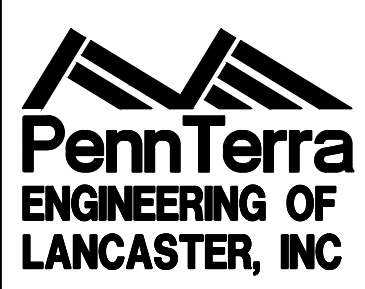
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WHITE SULPHUR SPRINGS, WEST VIRGINIA

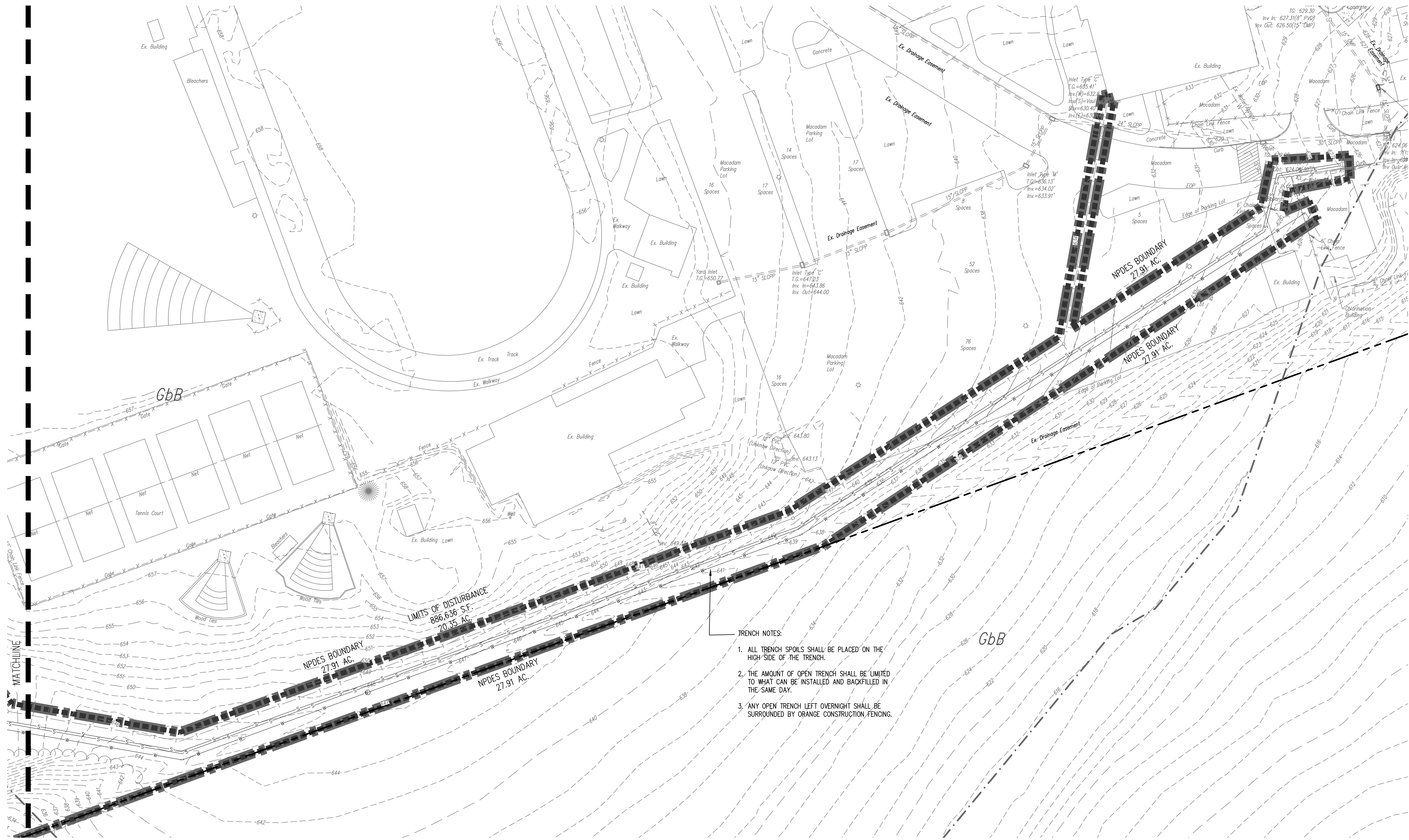
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717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



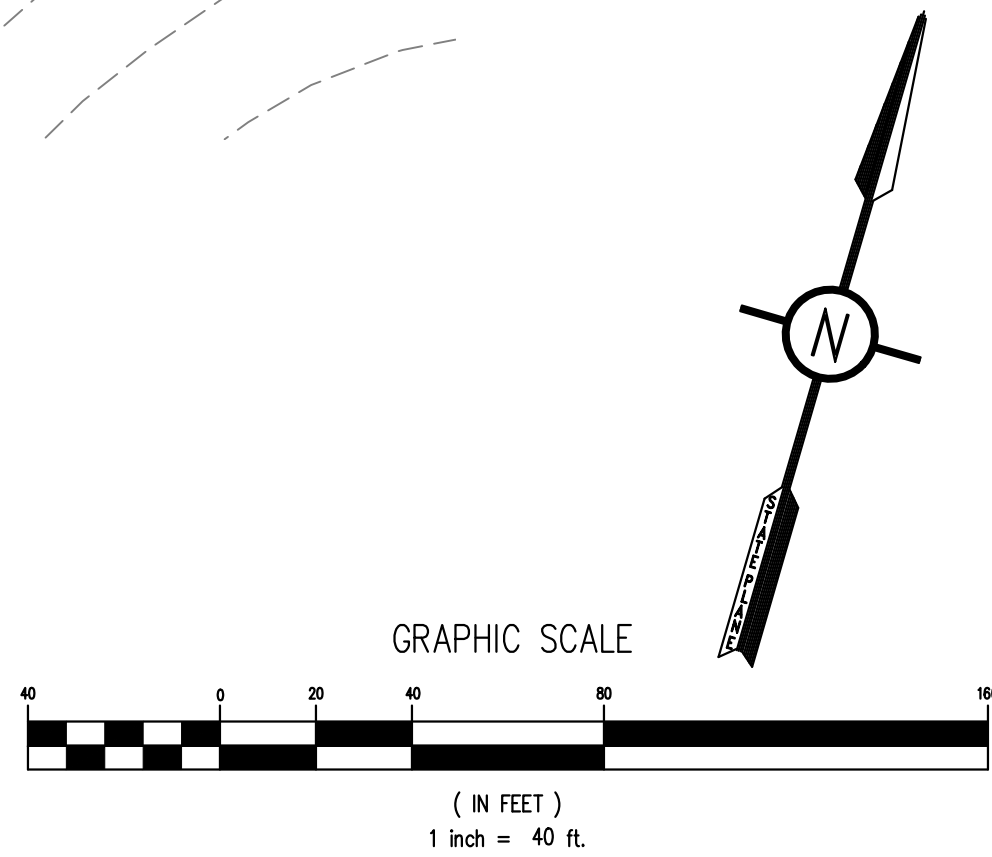
EROSION & SEDIMENTATION SITE
PLOT SCALE: 1"=40'
FILENAME: 240431
DATE: JULY 8, 2026

PROJECT 3706
C804

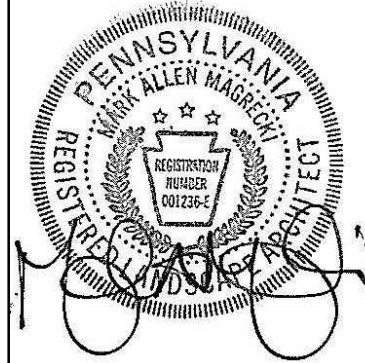


- SOILS LEGEND**
Soil cover on the site consists of:
Gd - Chester Sh Loom, 0%-3% Slopes
GdF - Chester Sh Loom, 3%-8% Slopes
GdC - Chester Sh Loom, 8%-15% Slopes
GdB - Chester Sh Loom, 15%-25% Slopes
Mac - Minor Sh Loom, 8%-15% Slopes
- SURVEY FEATURES LEGEND**
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
- EXISTING FEATURES LEGEND**
Existing Building
Existing Contour(1%)
Existing Contour(5%)
Existing Soil Limit Line
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence
- PROPOSED FEATURES LEGEND**
PROPOSED BUILDING
PROPOSED CURBSIDE
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY
- EROSION & SEDIMENTATION CONTROL LEGEND**
NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE
SILT SOCK
CONSTRUCTION ENTRANCE
INLET PROTECTION
RIP-RAP APRON
EROSION CONTROL MATTING
EROSION CONTROL MATTING
TOPSOIL STOCKPILE
TOPSOIL STOCKPILE

- TRENCH NOTES:
1. ALL TRENCH SPOILS SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
 2. THE AMOUNT OF OPEN TRENCH SHALL BE LIMITED TO WHAT CAN BE INSTALLED AND BACKFILLED IN THE SAME DAY.
 3. ANY OPEN TRENCH LEFT OVERNIGHT SHALL BE SURROUNDED BY ORANGE CONSTRUCTION FENCING.



CONFORMED SET



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NO.	DATE	NAME	DESCRIPTION OF CHANGES

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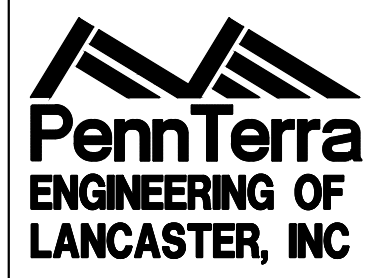
WHITE SULPHUR SPRINGS, WEST VIRGINIA

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NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

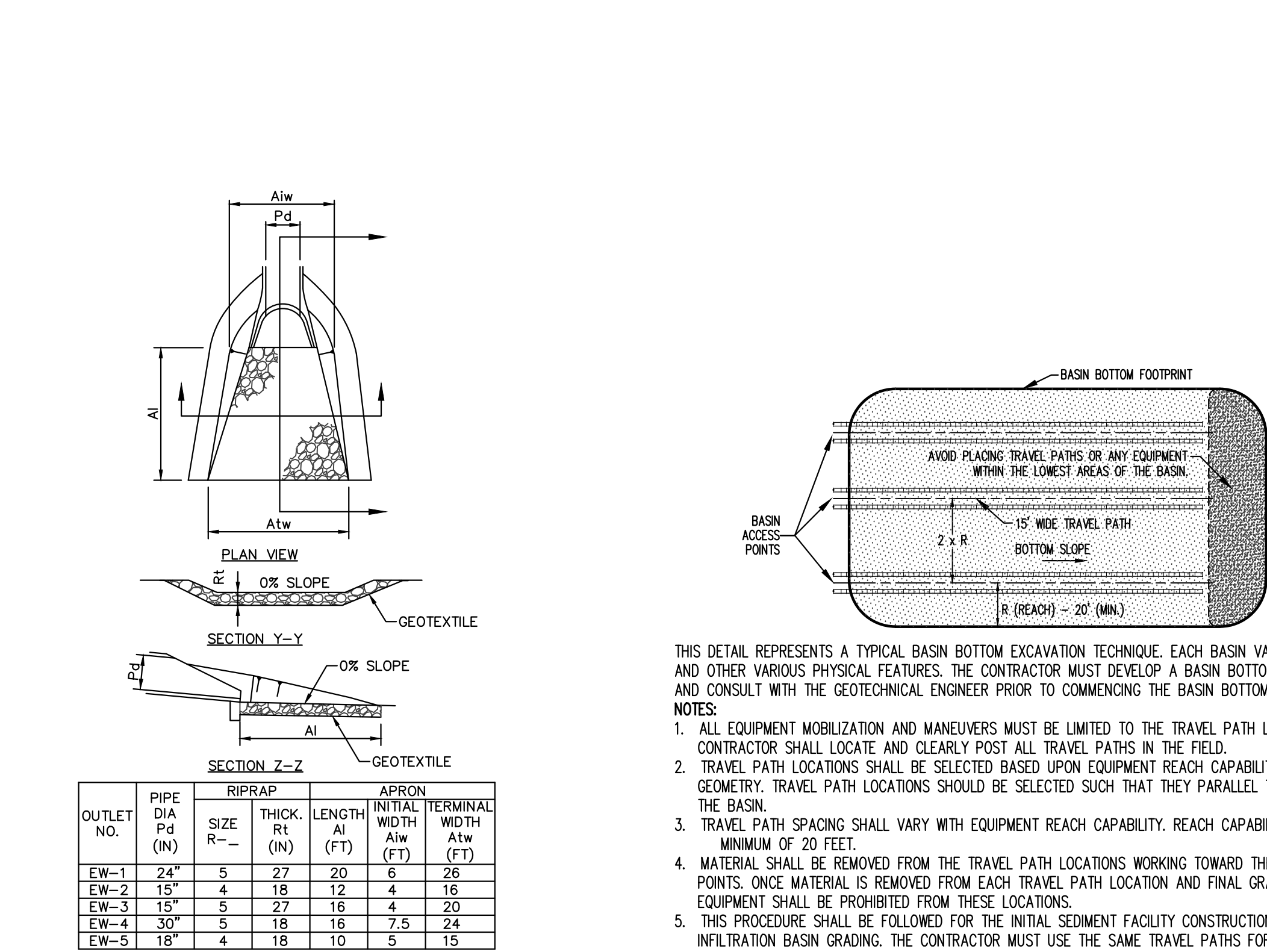


EROSION & SEDIMENTATION SITE

PLOT SCALE:
1"=40'
FILENAME:
240031
DATE:
JULY 8, 2026

PROJECT
3706

C805



NOTES: ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WORDS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

RIP-RAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

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NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

THE MAXIMUM SLOPE LENGTH ABOVE A COMPOST FILTER SOCK SHOULD NOT EXCEED THOSE SHOWN IN FIGURE 4.2. NOTE: SLOPE LENGTH IS NOT ADDRESSED BY USE OF MULTIPLE ROWS OF COMPOST SOCKS. THE ANTICIPATED FUNCTIONAL LIFE OF A BIODEGRADABLE FILTER SOCK SHOULD BE 6 MONTHS; FOR PHOTODEGRADABLE IT IS 1 YEAR. SOME OTHER TYPES MAY LAST LONGER. PROJECTS WITH DISTURBANCES ANTICIPATED TO LAST LONGER THAN THE FUNCTIONAL LIFE OF A SOCK SHOULD PLAN TO REPLACE THE SOCKS PERIODICALLY OR USE ANOTHER TYPE OF BMP.

UPON STABILIZATION OF THE TRIBUTARY AREA, THE FILTER SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH IS TYPICALLY CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT. IN EITHER CASE, THE STAKES SHOULD BE REMOVED.

FILTER SOCKS USING OTHER FILLERS MAY BE APPROVED ON A CASE-BY-CASE BASIS IF SUFFICIENT SUPPORTING INFORMATION (INCLUDING MANUFACTURER'S SPECS AND INDEPENDENT TEST DATA) IS PROVIDED. HOWEVER, THEY MUST NOT QUALIFY AS ABACTS. WHEREVER COMPOST SOCKS ARE USED, TABLE 4.1 SHOULD BE PLACED ON A DETAIL SHEET.

TABLE 4.1
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 MILL HDPE	5 MILL HDPE	5 MILL HDPE	MULTI-FILAMENT POLYPROPYLENE (MPPF)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMPPF)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24"	12" 18" 24"	12" 18" 24"	12" 18" 24"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

TWO-PLY SYSTEMS

INNER CONTAINMENT NETTING

OUTER FILTRATION MESH

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 3 MONTHS OR LESS.

FILTER SOCKS & AND COMPOST SHOULD BE WELL DECOMPOSED, WEED-FREE ORGANIC MATERIAL DERIVED FROM AGRICULTURE, FOOD, STUMP GRINDINGS, AND YARD OR WOOD/BARK ORGANIC SOURCES. THE COMPOST SHOULD BE AGRICULTURALLY COMPOSTED. THE COMPOST SHOULD POSSESS NO DISCERNIBLE ODORS AND SHOULD BE REASONABLY FREE (<1% BY DRY WEIGHT) OF MAN MADE FOREIGN MATTER. THE COMPOST PRODUCT SHOULD NOT RESEMBLE THE RAW MATERIAL FROM WHICH IT WAS DERIVED. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR PROCESSED WOOD PRODUCTS ARE NOT ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

THE PHYSICAL PARAMETERS OF THE COMPOST SHOULD COMPLY WITH THE STANDARDS IN TABLE 4.2. THE STANDARDS CONTAINED IN THE PENNDOT PUBLICATION 408 ARE AN ACCEPTABLE ALTERNATIVE.

COMPOST FILTER SOCK

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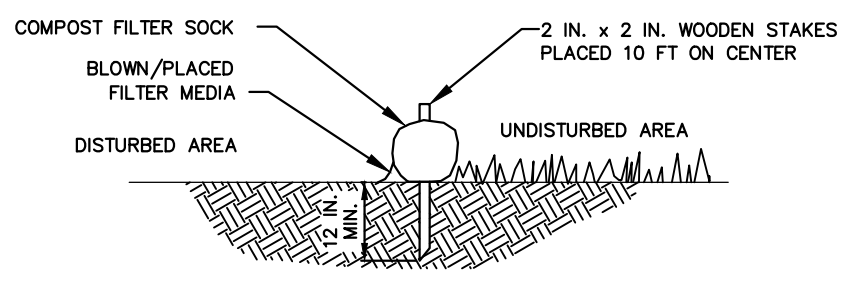
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NOTES: SLOPE LENGTH IS NOT ADDRESSED BY USE OF MULTIPLE ROWS OF COMPOST SOCKS. THE ANTICIPATED FUNCTIONAL LIFE OF A BIODEGRADABLE FILTER SOCK SHOULD BE 6 MONTHS; FOR PHOTODEGRADABLE IT IS 1 YEAR. SOME OTHER TYPES MAY LAST LONGER. PROJECTS WITH DISTURBANCES ANTICIPATED TO LAST LONGER THAN THE FUNCTIONAL LIFE OF A SOCK SHOULD PLAN TO REPLACE THE SOCKS PERIODICALLY OR USE ANOTHER TYPE OF BMP.

UPON STABILIZATION OF THE TRIBUTARY AREA, THE FILTER SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH IS TYPICALLY CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT. IN EITHER CASE, THE STAKES SHOULD BE REMOVED.

FILTER SOCKS USING OTHER FILLERS MAY BE APPROVED ON A CASE-BY-CASE BASIS IF SUFFICIENT SUPPORTING INFORMATION (INCLUDING MANUFACTURER'S SPECS AND INDEPENDENT TEST DATA) IS PROVIDED. HOWEVER, THEY MUST NOT QUALIFY AS ABACTS. WHEREVER COMPOST SOCKS ARE USED, TABLE 4.1 SHOULD BE PLACED ON A DETAIL SHEET.

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INNER CONTAINMENT NETTING

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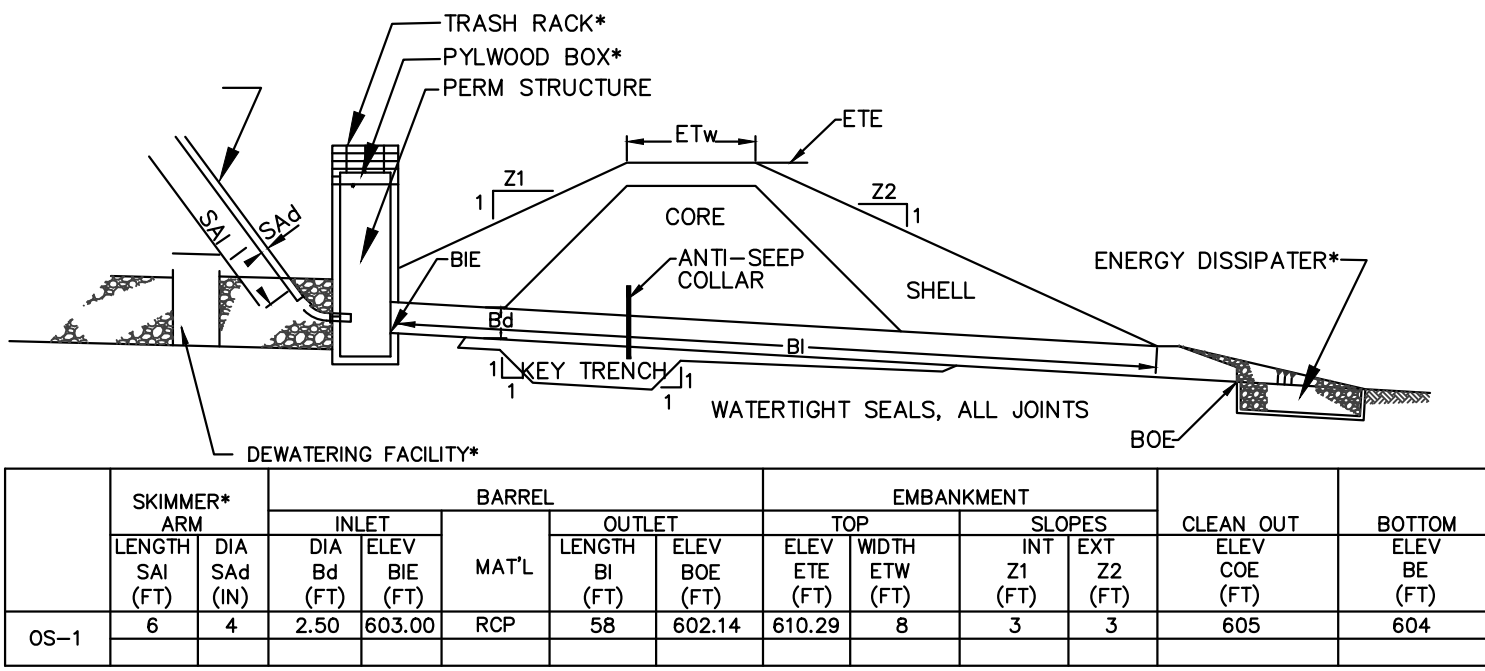
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SEDIMENT BASIN WITH SKIMMER & PERMANENT STRUCTURE

NOT TO SCALE

PERMANENT OUTLET STRUCTURE

TEMPORARY RISER EXTENSION

STONE BERM

AASHTO #57 STONE

DEWATERING FACILITY

PLAN VIEW

NOTES:

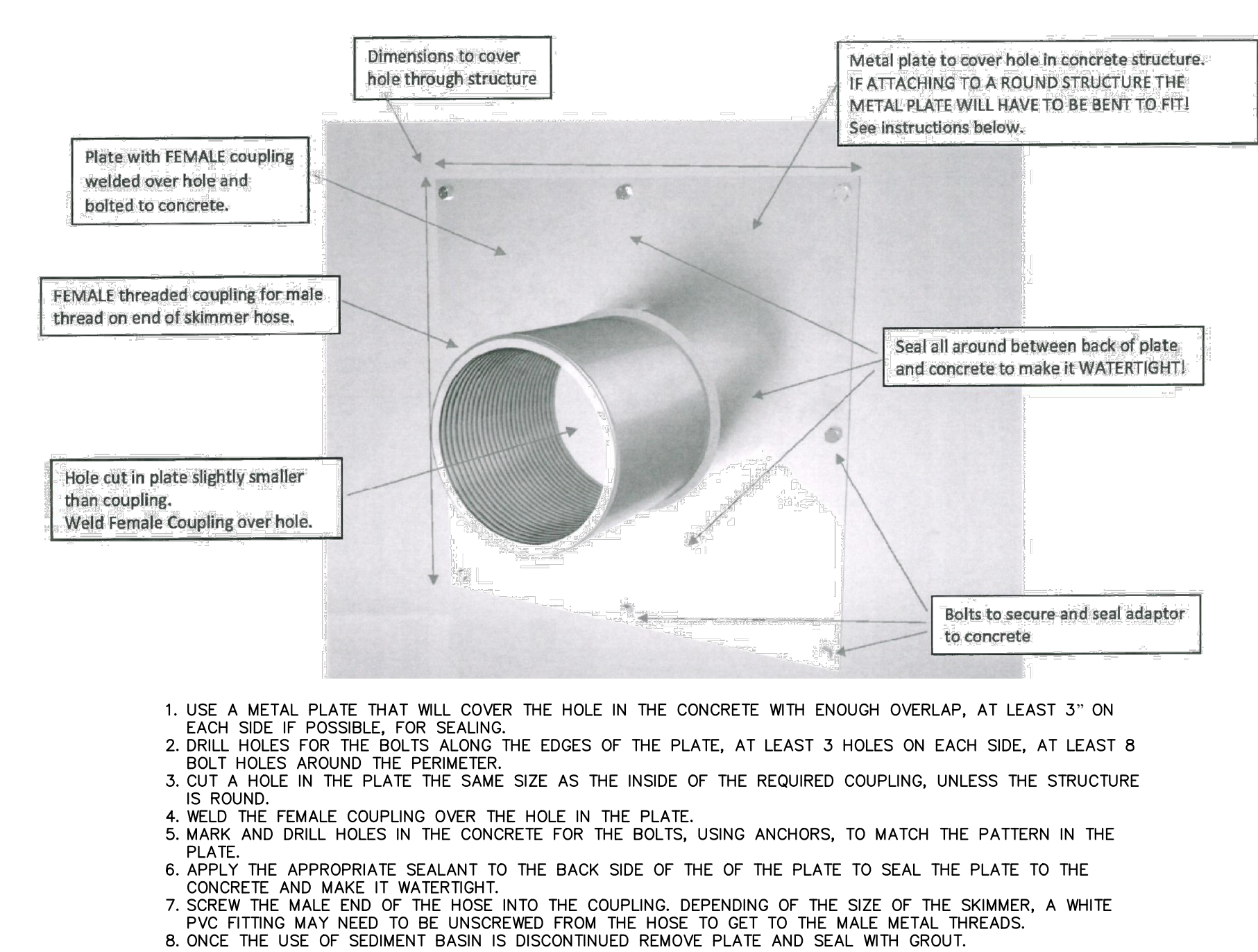
NO GUIDE RAILS SHALL BE REQUIRED FOR THIS INSTALLATION.

THIS DETAIL SHALL BE USED IN CONJUNCTION WITH STANDARD CONSTRUCTION DETAILS #7-2 AND #7-4.

SKIMMERS WITH STONE LANDING BERM & PERMANENT STRUCTURE(EXISTING)

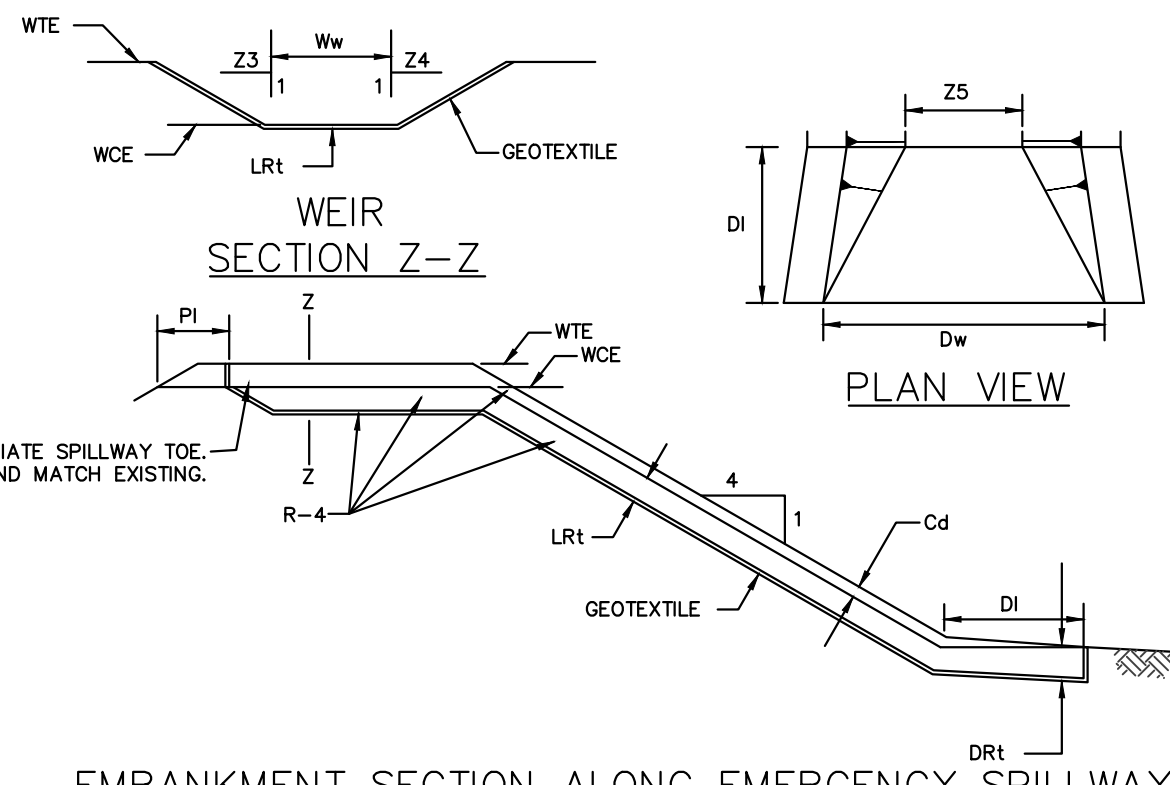
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Skimmer Stub Barrel Connection to Permanent Riser



SKIMMER TEMPORARY STUB CONNECTION

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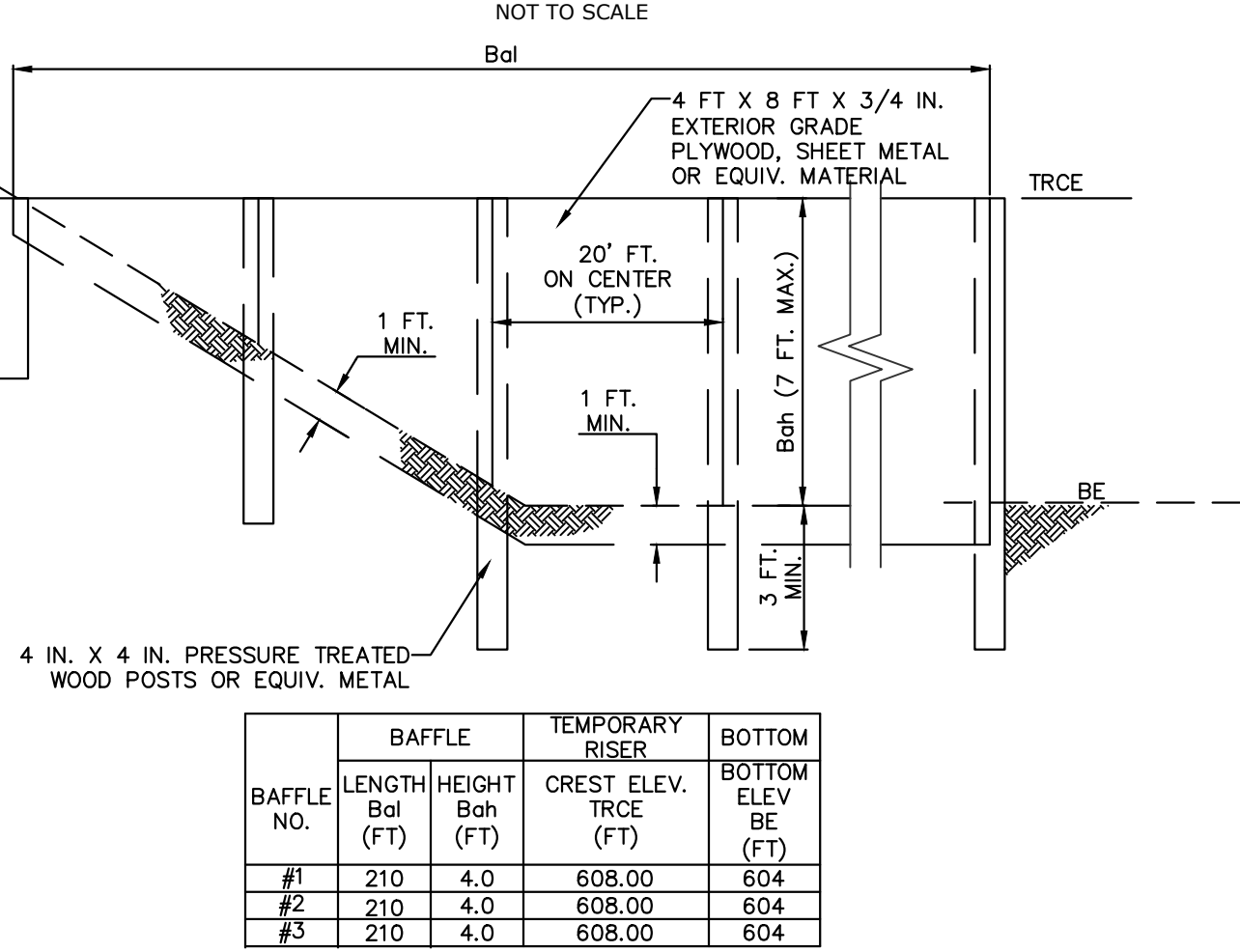


EMBANKMENT SECTION ALONG EMERGENCY SPILLWAY

BASIN NO.	WEIR			LINING	
	23 (FT)	24 (FT)	25 (FT)	WCE (FT)	WWD (FT)
1	3	3	610.29	608.60	60

DIMENSION DI SHOULD BE 5' MINIMUM.

SEDIMENT BASIN EMERGENCY SPILLWAY



NOTES:

SEE APPROPRIATE BASIN DETAIL FOR PROPER LOCATION AND ORIENTATION.

AN ACCEPTABLE ALTERNATIVE IS TO INSTALL A SUPER SILT FENCE AT THE BAFFLE LOCATION.

IN POOLS WITH DEPTHS EXCEEDING 7', THE TOP OF THE PLYWOOD BAFFLE DOES NOT NEED TO EXTEND TO THE TEMPORARY RISER CREST. SUPER SILT FENCE BAFFLES NEED NOT EXTEND TO TREE ELEVATION.

BAFFLES SHALL BE TIED INTO ONE SIDE OF THE BASIN UNLESS OTHERWISE SHOWN ON THE PLAN DRAWINGS.

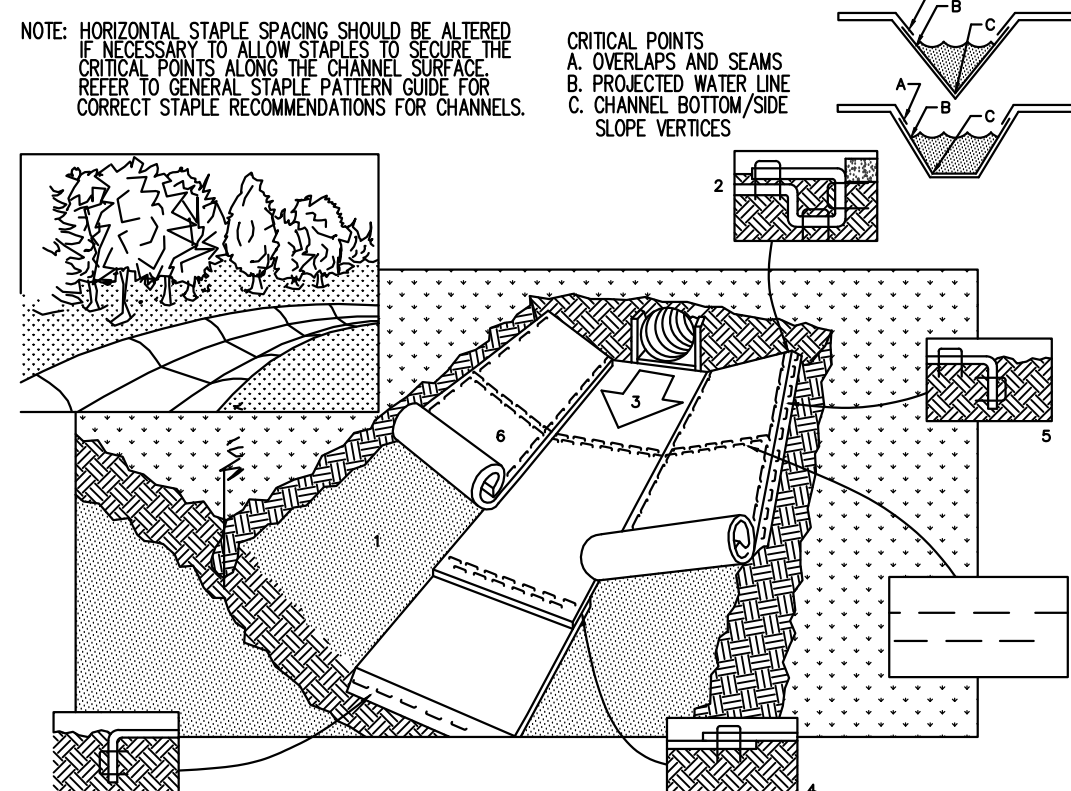
SUBSTITUTION OF MATERIALS NOT SPECIFIED IN THIS DETAIL SHALL BE APPROVED BY THE DEPARTMENT OR THE LOCAL CONSERVATION DISTRICT BEFORE INSTALLATION.

DAMAGED OR WARPED BAFFLES SHALL BE REPLACED WITHIN 7 DAYS OF INSPECTION.

BAFFLES REQUIRING SUPPORT POSTS SHALL NOT BE INSTALLED IN BASINS REQUIRING IMPERVIOUS LINERS.

BAFFLE DETAIL

NOT TO SCALE

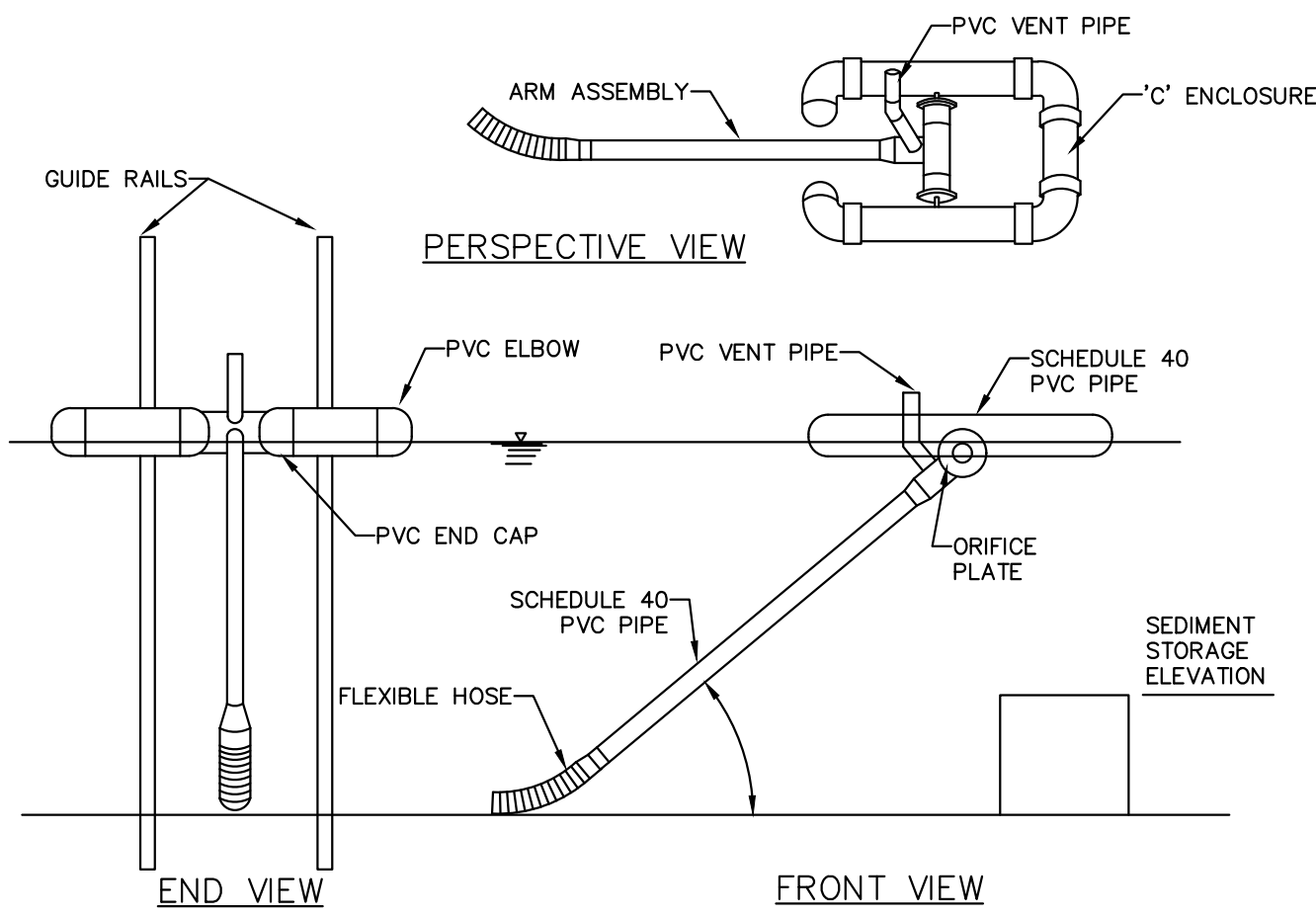


MATING	STAPLE PATTERN
SC 250	E
S75 BN	D
P 550	E

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH.
- ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
- PLACE BLANKETS OVER OVER END (SHINGLE STILES) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
- FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED (2" FOR CS20 MATTING).
- IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
- THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

CHANNEL LINING INSTALLATION

NOT TO SCALE



BASIN NO.	WATER SURFACE ELEVATION (FT)	ARM LENGTH (FT)	ARM DIA. (IN)	ORIFICE DIA. (IN)	TOP OF LANDING DEVICE ELEVATION (FT)	FLEXIBLE HOSE LENGTH (IN)	FLEXIBLE HOSE ATTACHMENT ELEVATION (FT)
OCS-1	608.00	6.00	4	3.97	NA	18	604

NOTES:

ORIFICE DIAMETER MUST BE EQUAL TO OR LESS THAN ARM DIAMETER.

A ROPE SHALL BE ATTACHED TO THE SKIMMER ARM TO FACILITATE ACCESS TO THE SKIMMER ONCE INSTALLED.

SKIMMER SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT.

ANY MALFUNCTIONING SKIMMER SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF INSPECTION.

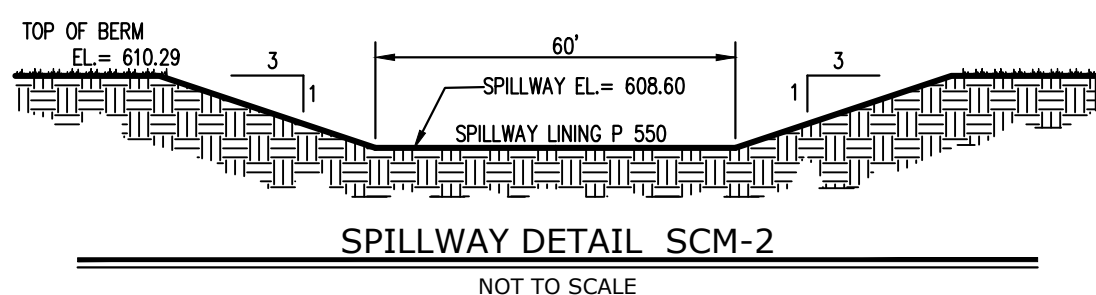
ICE OR SEDIMENT BUILDUP AROUND THE PRINCIPAL SPILLWAY SHALL BE REMOVED SO AS TO ALLOW THE SKIMMER TO RESPOND TO FLUCTUATING WATER ELEVATIONS.

SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE LEVEL MARKED ON THE SEDIMENT CLEAN-OUT STAKE OR THE TOP OF THE LANDING DEVICE.

A SEMI-CIRCULAR LANDING ZONE MAY BE SUBSTITUTED FOR THE GUIDE RAILS (STANDARD CONSTRUCTION DETAIL # 7-3).

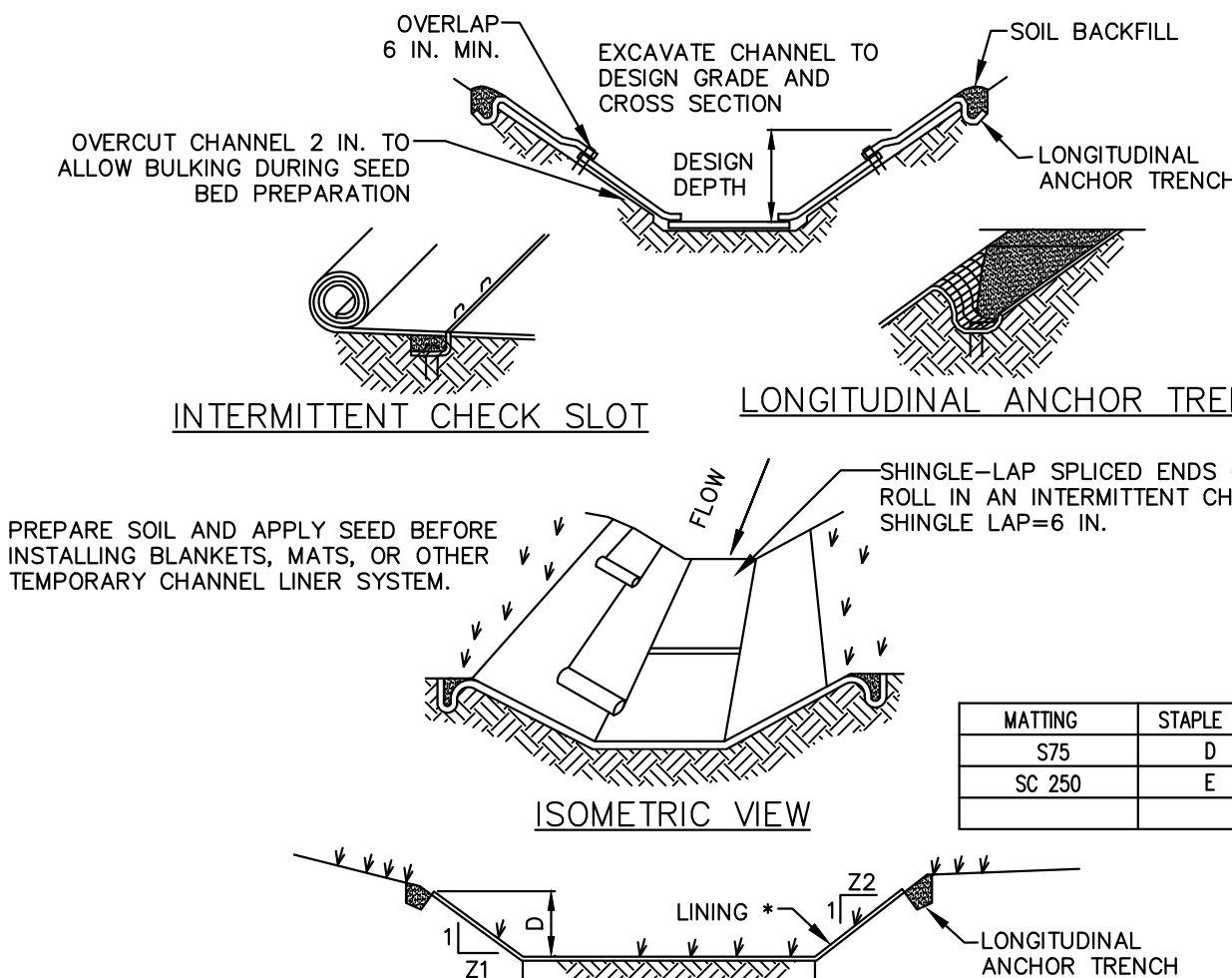
STANDARD CONSTRUCTION DETAIL SKIMMER

NOT TO SCALE



SPILLWAY DETAIL SCM-2

NOT TO SCALE



CHANNEL CROSS-SECTION

* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, VEGETATIVE STABILIZATION FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

SWALE NO.	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINING *
1	ALL	4.5	1.5	13.5	3	3	NAG SC250
2	ALL	3	1	9	3	3	NAG SC250
1A2	ALL	5	1.1	11.6	3	3	NAG SC250
HW-1	ALL	5	1	11	3	3	NAG S75 BN
HW-2	ALL	5	1	11	3	3	NAG S75 BN

NOTES:

ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.

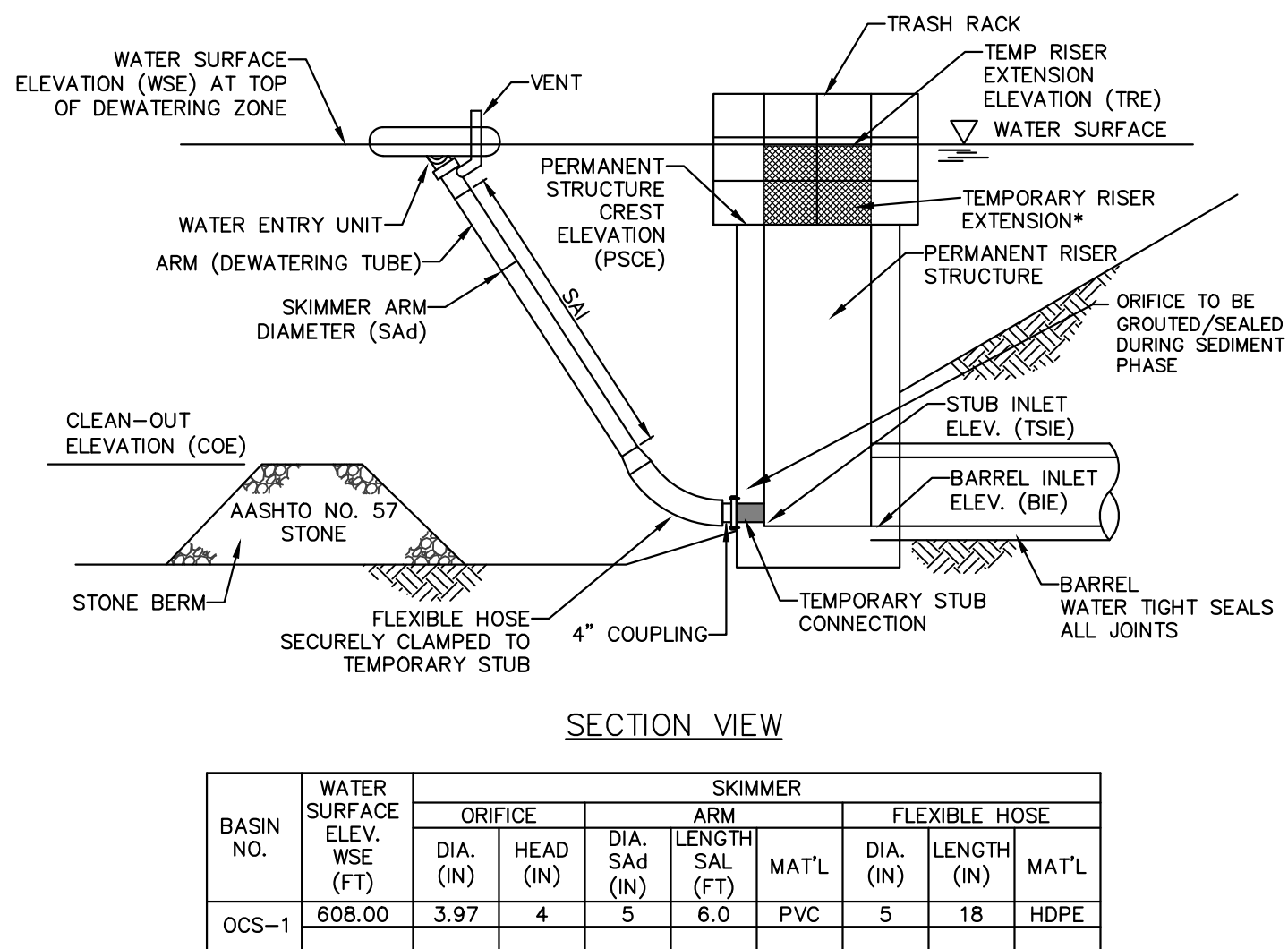
CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION.

SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

VEGETATED CHANNEL

NOT TO SCALE



BASIN NO.	WATER SURFACE ELEV. WSE (FT)	ORIFICE			SKIMMER		FLEXIBLE HOSE	
		DIA. (IN)	HEAD (IN)	SAL (IN)	DIA. (IN)	LENGTH (IN)	DIA. (IN)	LENGTH (IN)
OCS-1	608.00	3.97	4	5	6.0	PVC	5	18

NEED TO ADD BOXES FOR RISER EXTENSION SEE BELOW			
CREST ELEV PSCE (FT)	RISER EXTENSION		BARREL INLET ELEV BIE (FT)
	HORIZ OPENING		
	LENGTH El (IN)	WIDTH Ew (IN)	
608.00	45.25	24	603

NOTES:

ALL ORIFICES ON PERMANENT RISER BELOW TEMPORARY RISER EXTENSION SHALL HAVE WATER-TIGHT TEMPORARY SEALS PROVIDED. TEMPORARY STUB INVERT ELEVATION SHALL BE SET AT OR BELOW SEDIMENT CLEAN-OUT ELEVATION.

A ROPE SHALL BE ATTACHED TO THE SKIMMER ARM TO FACILITATE ACCESS TO THE SKIMMER ONCE INSTALLED.

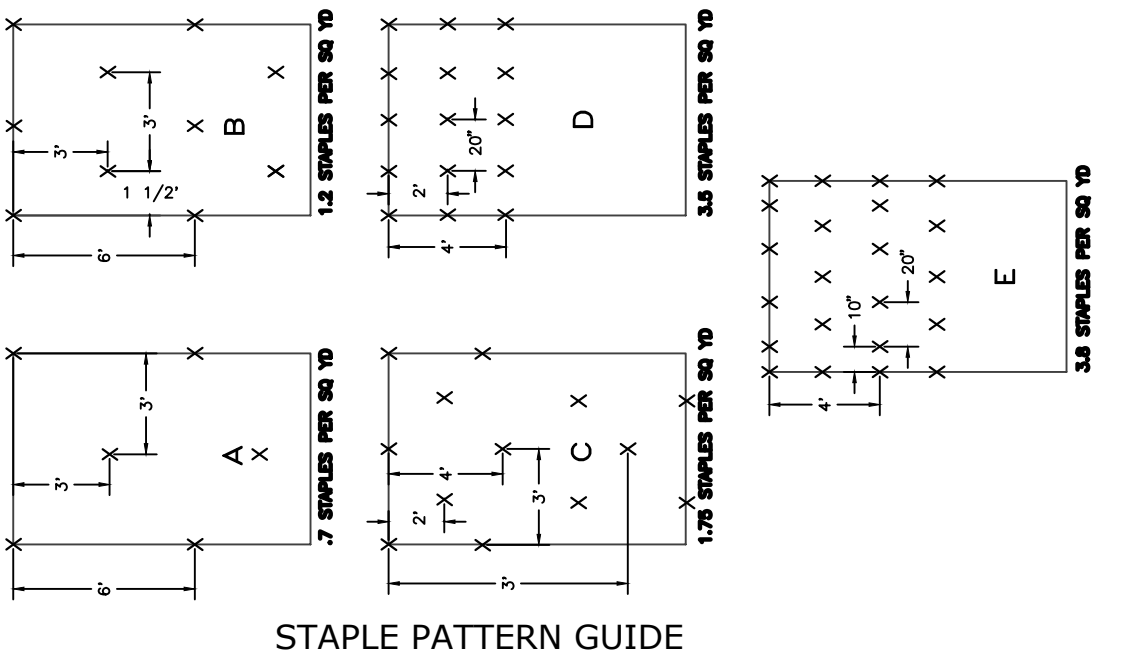
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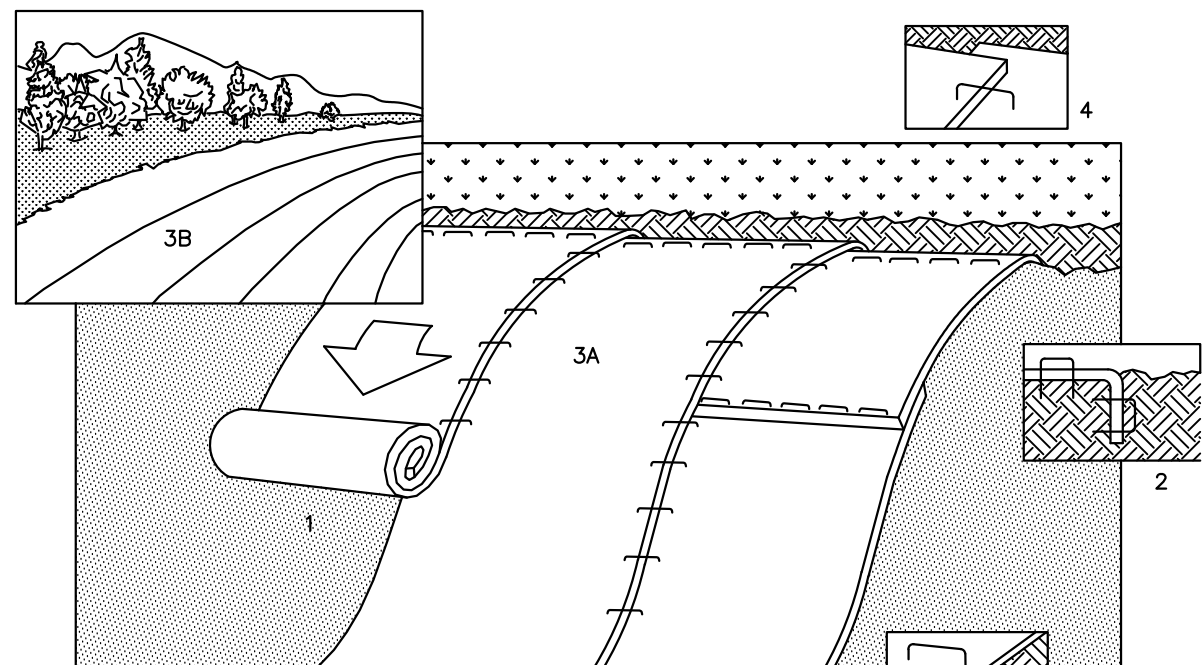
SEDIMENT BASIN SKIMMER & PERMANENT STRUCTURE

NOT TO SCALE



STAPLE PATTERN GUIDE

NOT TO SCALE



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STILES) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
- PROVIDE ANCHOR TRENCH AT TOP OF SLOPE IN SIMILAR FASHION AS TOP OF SLOPE.
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
- BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
- THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- BLANKETED AREA SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERMANENT VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE. THROUGHOUT THE BLANKETED AREA, DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

SLOPE INSTALLATION

NOT TO SCALE

CONFORMED SET



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REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

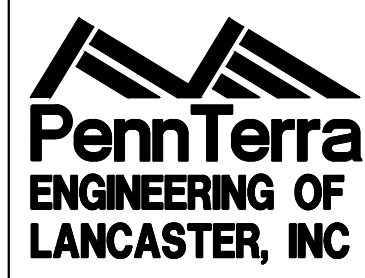
www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



EROSION & SEDIMENTATION DETAILS

PROJECT
3706

PROJECT
3706

C807

[illegible]

WHITE SULPHUR SPRINGS, WEST VIRGINIA

STRICT ADMINISTRATION OFFICES



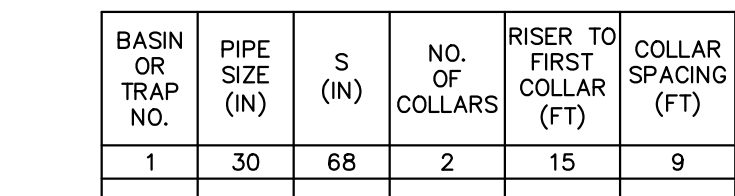
PennTerra
ENGINEERING OF
LANCASTER, INC

PLOT SCALE:
NTS

FILENAME:
24031

DATE:
JULY 8, 2026

C808



FOR SYSTEMS DISCHARGING TO HQ OR EV SURFACE WATER, A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

NOT TO SCALE



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NOT TO SCALE



NOT TO SCALE



CONCRETE CRADLE FOR BASIN OR TRAP OUTLET BARREL

NOT TO SCALE



ORANGE CONSTRUCTION

ROCK FILTERS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT.

CLOGGED FILTER STONE (ASSHTO #57) SHOULD BE REPLACED.

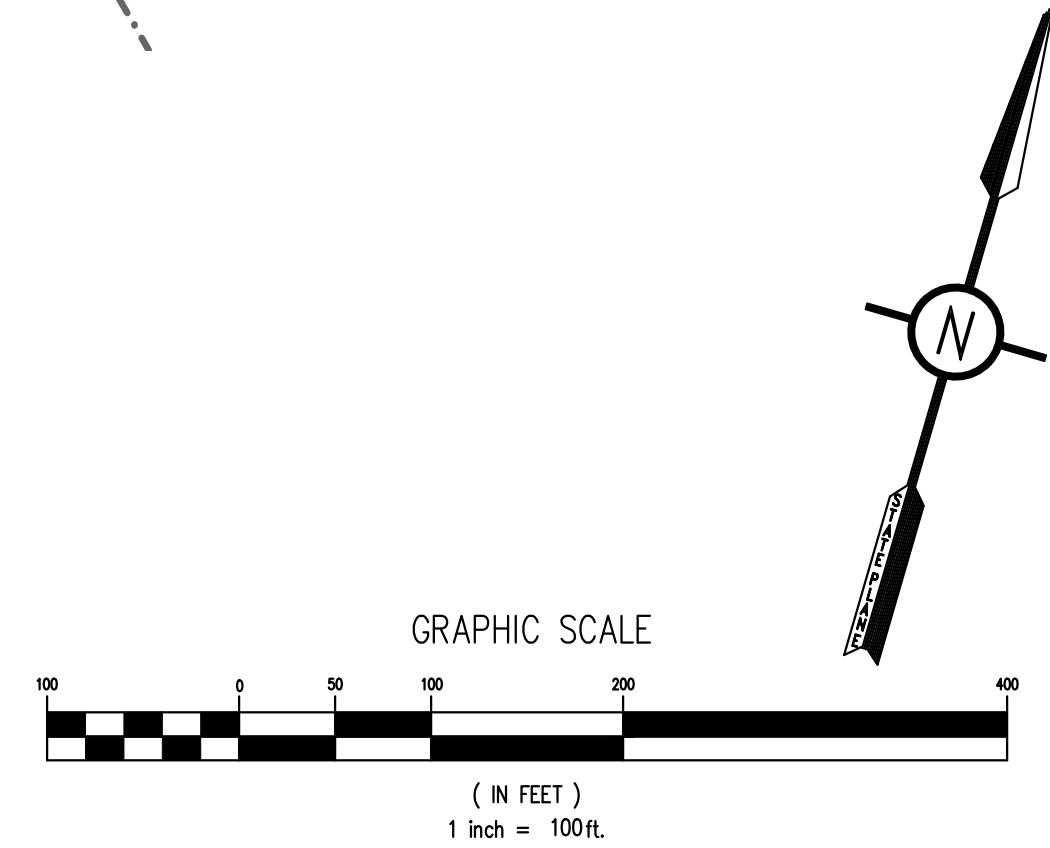
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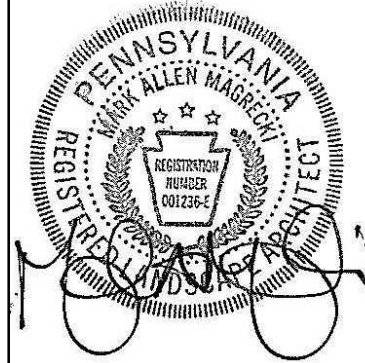
ROCK FILTER



- SOILS LEGEND**
Soil cover on the site consists of:
C6A - Chester Silt Loom, 0% - 1% Slopes
C6B - Glenview Silt Loom, 1% - 2% Slopes
C6C - Glenview Silt Loom, 2% - 3% Slopes
C6D - Glenview Silt Loom, 3% - 4% Slopes
C6E - Glenview Silt Loom, 4% - 5% Slopes
C6F - Glenview Silt Loom, 5% - 6% Slopes
C6G - Glenview Silt Loom, 6% - 7% Slopes
C6H - Glenview Silt Loom, 7% - 8% Slopes
C6I - Glenview Silt Loom, 8% - 9% Slopes
C6J - Glenview Silt Loom, 9% - 10% Slopes
C6K - Glenview Silt Loom, 10% - 11% Slopes
C6L - Glenview Silt Loom, 11% - 12% Slopes
C6M - Glenview Silt Loom, 12% - 13% Slopes
C6N - Glenview Silt Loom, 13% - 14% Slopes
C6O - Glenview Silt Loom, 14% - 15% Slopes
C6P - Glenview Silt Loom, 15% - 16% Slopes
C6Q - Glenview Silt Loom, 16% - 17% Slopes
C6R - Glenview Silt Loom, 17% - 18% Slopes
C6S - Glenview Silt Loom, 18% - 19% Slopes
C6T - Glenview Silt Loom, 19% - 20% Slopes
C6U - Glenview Silt Loom, 20% - 21% Slopes
C6V - Glenview Silt Loom, 21% - 22% Slopes
C6W - Glenview Silt Loom, 22% - 23% Slopes
C6X - Glenview Silt Loom, 23% - 24% Slopes
C6Y - Glenview Silt Loom, 24% - 25% Slopes
C6Z - Glenview Silt Loom, 25% - 26% Slopes
- SURVEY FEATURES LEGEND**
Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
- EXISTING FEATURES LEGEND**
Existing Building
Existing Curbing
Existing Contours(1%)
Existing Contours(5%)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence
- EROSION & SEDIMENTATION CONTROL LEGEND**
NPOES BOUNDARY LINE
LIMIT OF DISTURBANCE



CONFORMED SET



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REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES

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CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

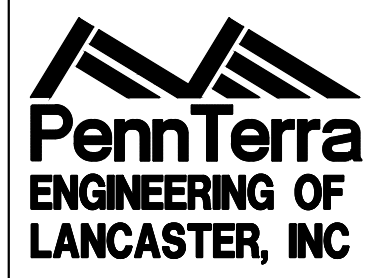
MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT



PCSM
EXISTING CONDITIONS

PLOT SCALE:
1"=100'
FILENAME:
24031
DATE:
JULY 8, 2026

PROJECT
3706

C901



SOILS LEGEND

Soil cover on the site consists of:
GdA - Chester Sil Loom, 3%-3% Slopes
GdB - Glenly Sil Loom, 3%-4% Slopes
GdC - Glenly Sil Loom, 4%-5% Slopes
GdD - Glenly Sil Loom, 5%-6% Slopes
GdE - Glenly Sil Loom, 6%-7% Slopes
GdF - Glenly Sil Loom, 7%-8% Slopes
GdG - Glenly Sil Loom, 8%-9% Slopes
GdH - Glenly Sil Loom, 9%-10% Slopes
GdI - Glenly Sil Loom, 10%-11% Slopes
GdJ - Glenly Sil Loom, 11%-12% Slopes
GdK - Glenly Sil Loom, 12%-13% Slopes
GdL - Glenly Sil Loom, 13%-14% Slopes
GdM - Glenly Sil Loom, 14%-15% Slopes
GdN - Glenly Sil Loom, 15%-16% Slopes
GdO - Glenly Sil Loom, 16%-17% Slopes
GdP - Glenly Sil Loom, 17%-18% Slopes
GdQ - Glenly Sil Loom, 18%-19% Slopes
GdR - Glenly Sil Loom, 19%-20% Slopes
GdS - Glenly Sil Loom, 20%-21% Slopes
GdT - Glenly Sil Loom, 21%-22% Slopes
GdU - Glenly Sil Loom, 22%-23% Slopes
GdV - Glenly Sil Loom, 23%-24% Slopes
GdW - Glenly Sil Loom, 24%-25% Slopes
GdX - Glenly Sil Loom, 25%-26% Slopes
GdY - Glenly Sil Loom, 26%-27% Slopes
GdZ - Glenly Sil Loom, 27%-28% Slopes

SURVEY FEATURES LEGEND

Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line

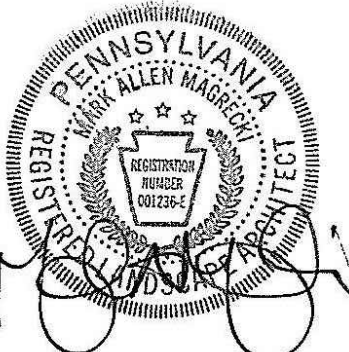
EXISTING FEATURES LEGEND

Existing Building
Existing Contour(1%)
Existing Contour(5%)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line

EROSION & SEDIMENTATION CONTROL LEGEND

NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE

CONFORMED SET



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REVISIONS

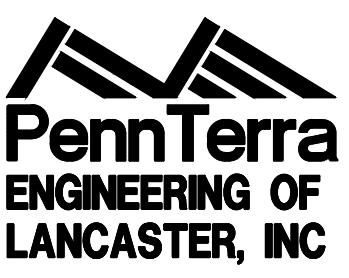
NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

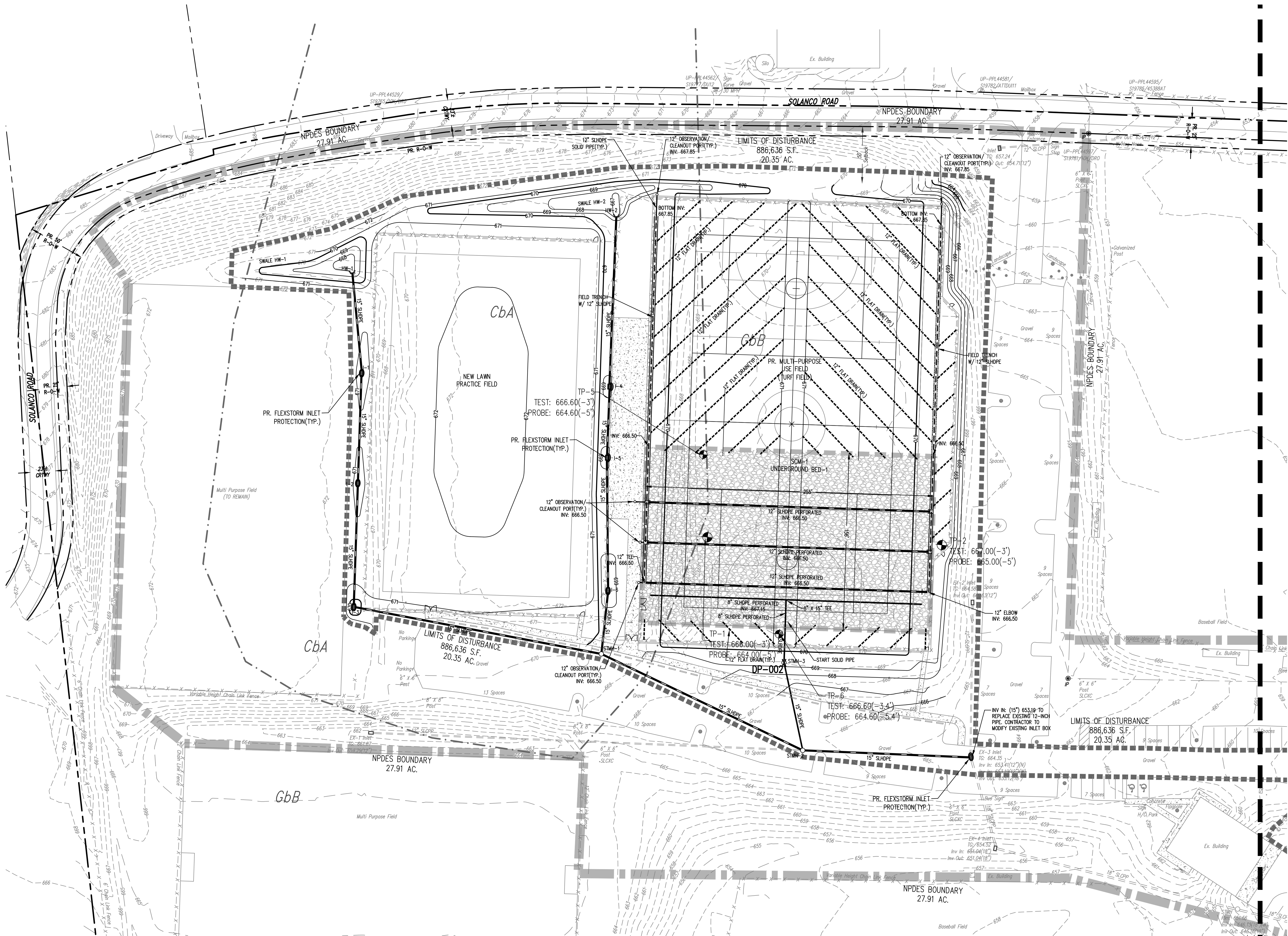


PCSM
EXISTING CONDITIONS

PLOT SCALE:
1"=100'
FILENAME:
24031
DATE:
JULY 8, 2026

PROJECT
3706

C902



SOILS LEGEND

Soil cover on the site consists of:
CbA - Chester Silt Loam, 2%-3% Slopes
GbB - Chester Silty Loam, 3%-4% Slopes
GbC - Chester Silty Loam, 4%-5% Slopes
GbD - Chester Silty Loam, 5%-6% Slopes
McC - Chester Silty Loam, 6%-7% Slopes

SURVEY FEATURES LEGEND

Right-of-Way Line
Adjoining Property Line
Building Setback Line
Property Line, Lot Line

EXISTING FEATURES LEGEND

Existing Building
Existing Contour (1')
Existing Contour (5')
Existing Soil Line
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

PROPOSED FEATURES LEGEND

PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY
PROPOSED BITUMINOUS PAVE

NOTES:

ALL PROPOSED INLETS ARE TO RECEIVE FLEXSTORM INLET FILTERS. ALSO EXISTING INLET 1 SHALL RECEIVE A FLEXSTORM INLET FILTER.

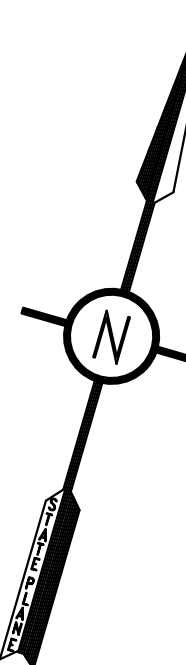
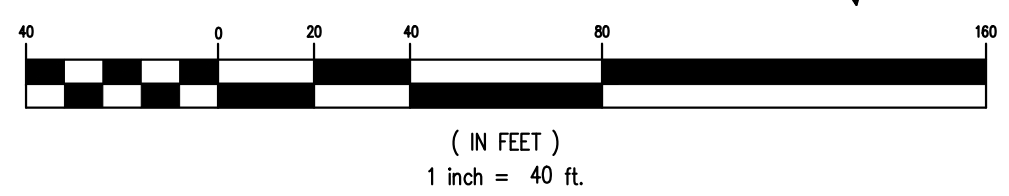
Test Pit / Soil Boring Log						
No. Test Locations:		6				
Test Location ID	Investigation Method	Total Depth Investigated (ft)	Limiting Zone Elevation (ft)	Limiting Zone Description	Infiltration Test(s) Completed?	
TP1	Test Pit	5		None	Yes	
TP2	Test Pit	5		None	Yes	
TP3	Test Pit	5		None	Yes	
TP4	Test Pit	4		None	Yes	
TP5	Test Pit	5		None	Yes	
TP6	Test Pit	5		None	Yes	

Infiltration Test Results						
No. Infiltration Tests:		6				
Test Location ID	Infiltration Test ID	Infiltration Test Elevation (ft)	Infiltration Test Method	Field Ksat (in/hr)	Temp (°F)	Adjusted Ksat (in/hr)
TP1	TP1	666	Double Ring	6	60	6.600
TP2	TP2	667	Double Ring	0.6	60	0.660
TP3	TP3	664	Other	16.54	60	16.634
TP4	TP4	663	Double Ring	9.75	60	10.725
TP5	TP5	666	Double Ring	1.8	65	1.800
TP6	TP6	667	Double Ring	4.8	65	4.800

Recommended infiltration test location frequency: 1 test / 40,000 square feet (4 minimum)
Actual infiltration test location frequency: 1.1 test(s) / 40,000 square feet

Infiltration test location frequency is adequate.

GRAPHIC SCALE



CONFORMED SET



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CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
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CHARLOTTESVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



PCSM SITE

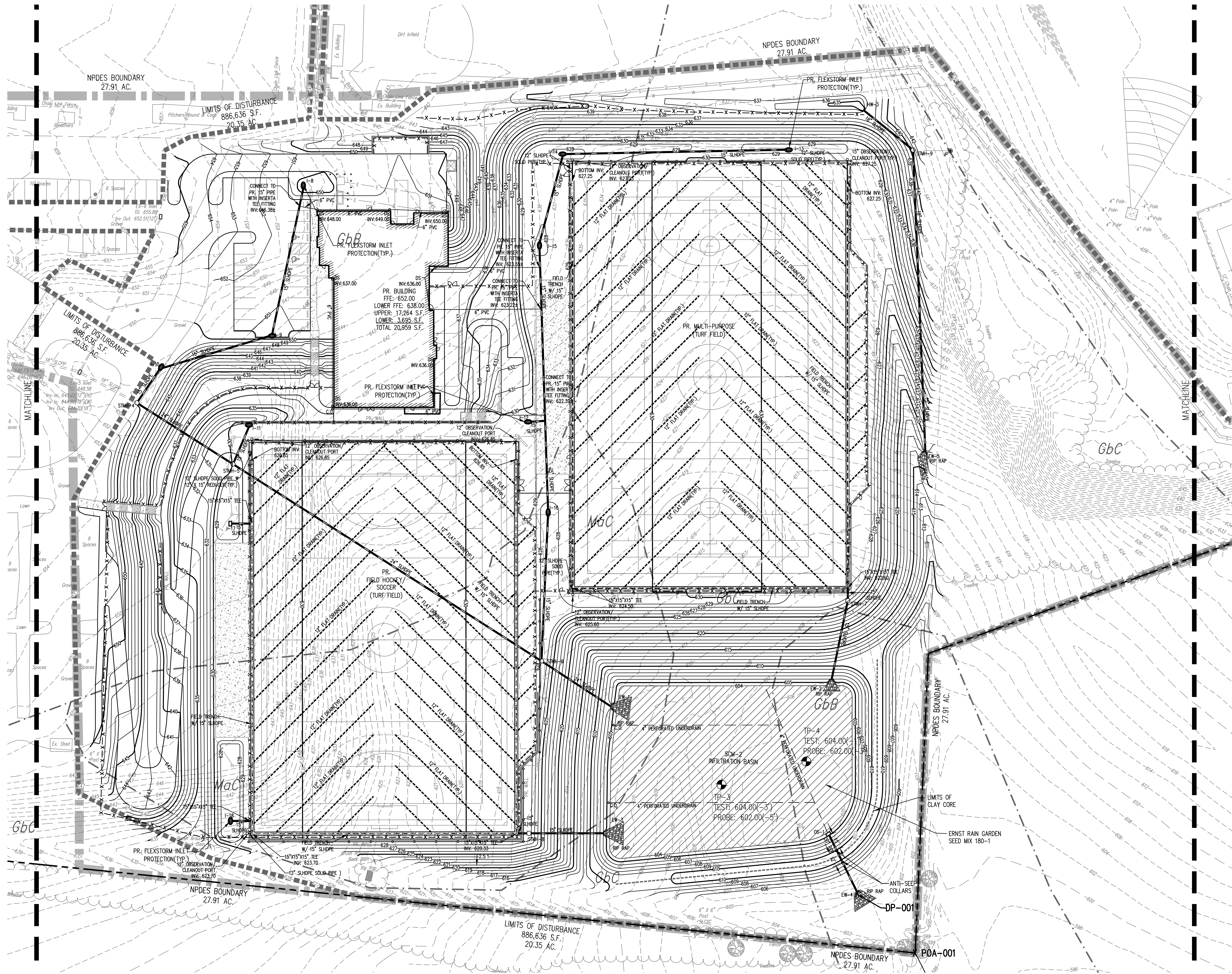
PROJECT
3706

C903

PLOT SCALE:
1"=40'

FILENAME:
24031

DATE:
JULY 8, 2026



SOILS LEGEND

Soil cover on the site consists of:
GdA - Chester Silt Loam, 10%-18% Slopes
GdB - Glenelly Silt Loam, 3%-8% Slopes
GdC - Glenelly Silt Loam, 8%-15% Slopes
GdB - Glenelly Silt Loam, 3%-8% Slopes
Mac - Manor Silt Loam, 8%-15% Slopes

SURVEY FEATURES LEGEND

Property Line, Lot Line
Right-of-Way Line
Adjoining Property Line
Building Setback Line
Existing Contour(1%)
Existing Contour(5%)
Existing Contour(10%)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

EXISTING FEATURES LEGEND

Existing Building
Existing Curbing
Existing Contour(1%)
Existing Contour(5%)
Existing Contour(10%)
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

PROPOSED FEATURES LEGEND

PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
PROPOSED BITUMINOUS PAVE
PROPOSED BITUMINOUS OVERLAY

EROSION & SEDIMENTATION CONTROL LEGEND

NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE

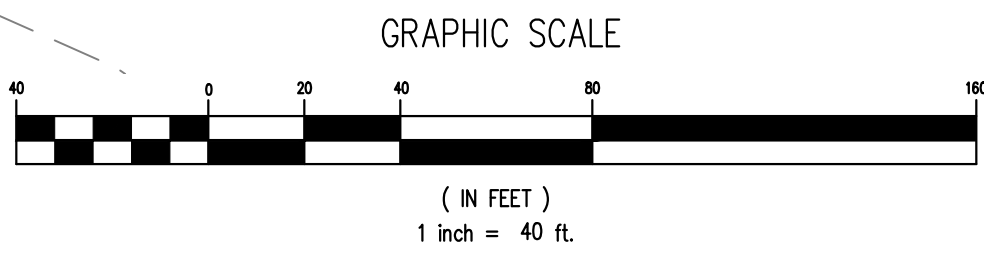
NOTES:

ALL PROPOSED INLETS ARE TO RECEIVE FLEXSTORM INLET FILTERS. ALSO EXISTING INLET 3 SHALL RECEIVE A FLEXSTORM INLET FILTER.

Test Pit / Soil Boring Log					
No. Test Locations: 6					
Test Location ID	Investigation Method	Total Depth Investigated (ft)	Limiting Zone Elevation (ft)	Limiting Zone Description	Infiltration Test(s) Completed?
TP1	Test Pit	5		None	Yes
TP2	Test Pit	5		None	Yes
TP3	Test Pit	5		None	Yes
TP4	Test Pit	4		None	Yes
TP5	Test Pit	5		None	Yes
TP6	Test Pit	5		None	Yes

Infiltration Test Results					
No. Infiltration Tests: 6					
Test Location ID	Infiltration Test ID	Infiltration Test Elevation (ft)	Infiltration Test Method	Field Keat (in/hr)	Adjusted Keat (in/hr)
TP1	TP1	666	Double Ring	6	6.600
TP2	TP2	667	Double Ring	0.6	0.660
TP3	TP3	664	Other	15.54	18.634
TP4	TP4	663	Double Ring	9.75	10.725
TP5	TP5	666	Double Ring	1.8	1.800
TP6	TP6	667	Double Ring	4.8	4.800

Recommended infiltration test location frequency: 1 test / 40,000 square feet (4 minimum)
Actual infiltration test location frequency: 1.1 test(s) / 40,000 square feet
Infiltration test location frequency is adequate.

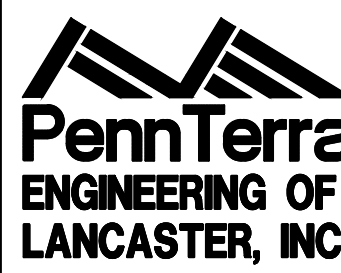


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WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

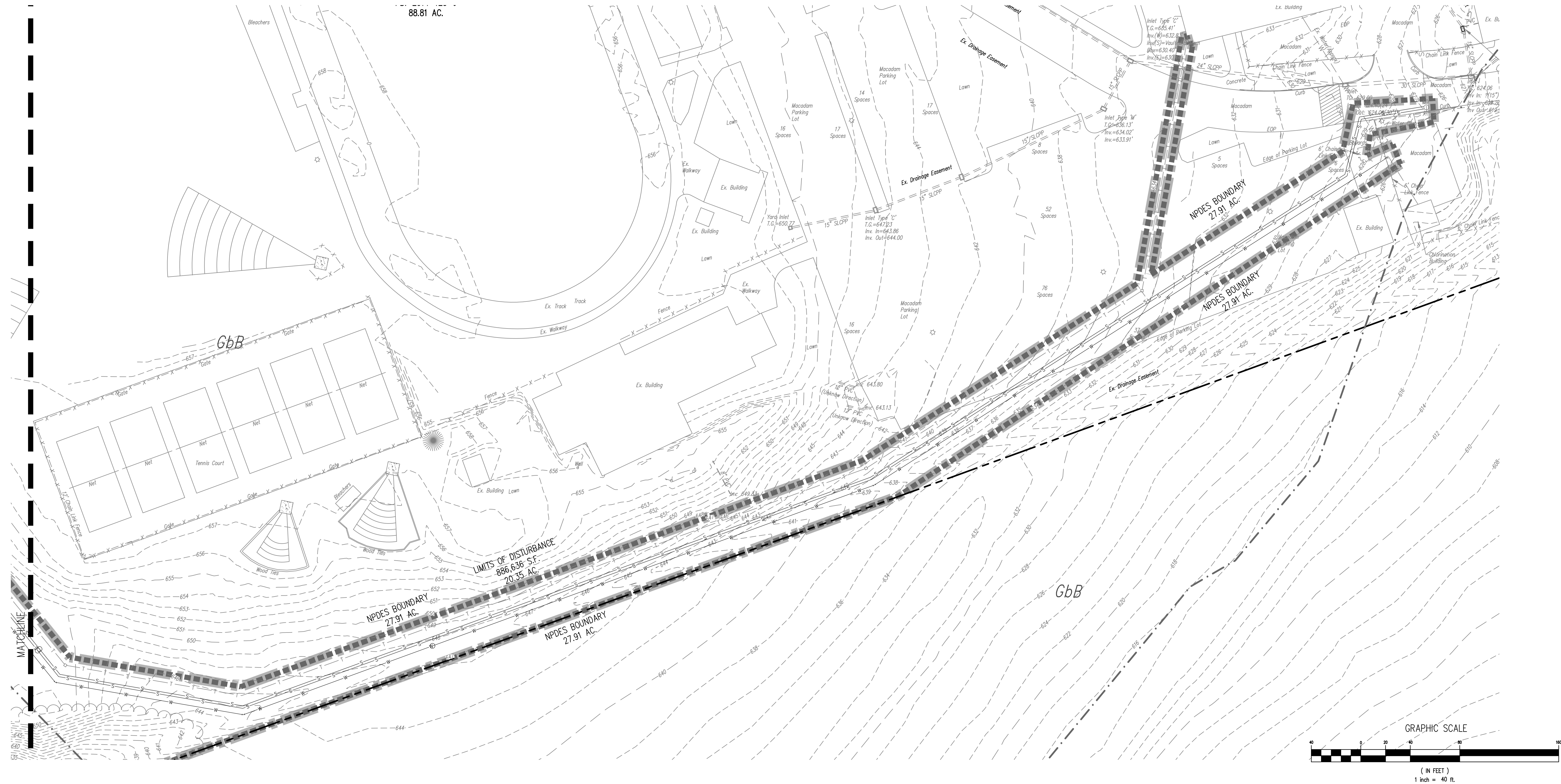


PCSM
SITE

PROJECT
3706

C904

PLOT SCALE:
1"=40'
FILENAME:
24031
DATE:
JULY 8, 2026



SOILS LEGEND

Soil cover on the site consists of:
G2A - Chester Silt Loom, 0% - 3% Slopes
G2B - Glenale Silt Loom, 3% - 8% Slopes
G2C - Glenale Silt Loom, 8% - 15% Slopes
G2D - Glenale Silt Loom, 15% - 25% Slopes
M2C - Menor Silt Loom, 25% - 15% Slopes

SURVEY FEATURES LEGEND

Right-of-Way Line
Adjoining Property Line
Building Setback Line
Property Line, Lot Line

EXISTING FEATURES LEGEND

Existing Building
Existing Curbing
Existing Contours(1')
Existing Contours(5')
Existing Soil Limit Line
Existing Soil Type
Existing Tree Line
Existing Storm Sewer Line
Existing Concrete Sidewalk
Existing Fence

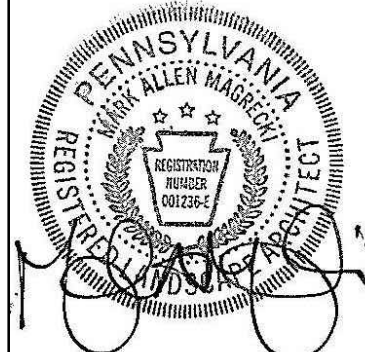
PROPOSED FEATURES LEGEND

PROPOSED BUILDING
PROPOSED CURBING
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
PROPOSED STORM SEWER
PROPOSED CONCRETE AREAS
PROPOSED BITUMINOUS WALK
BITUMINOUS OVERLAY
PROPOSED BITUMINOUS PAVE
PROPOSED HEAVY DUTY

EROSION & SEDIMENTATION CONTROL LEGEND

NPDES BOUNDARY LINE
LIMIT OF DISTURBANCE

CONFORMED SET



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NO.	DATE	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

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CHARLOTTESVILLE, VIRGINIA

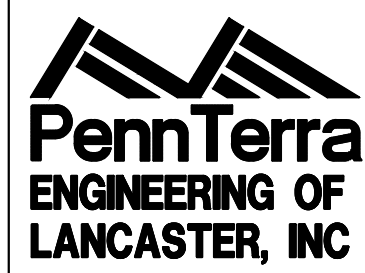
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MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT



PCSM

SITE

PROJECT
3706

C905

PLOT SCALE:
1"=40'

FILENAME:
24031

DATE:
JULY 8, 2026

1. **PERMANENT GRASS OR LEGUME COVER**
 - a) ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED SHALL BE COVERED WITH GRASS OR A LEGUME IN ORDER TO MINIMIZE EROSION, UNLESS OTHERWISE DIRECTED BY THE OWNER.
 - b) MACHINERY SHALL BE USED TO PREVENT SOILS AND HELP IN PREVENTING RUNOFF. STRAW MULCH SHALL BE REQUIRED IN ALL DISTURBED AREAS AND APPLIED AT 3 TONS/ACROSS.
 - c) STRAW MULCH SHOULD BE ANCHORED OR TACKLED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING BLOWN AWAY. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW INTO THE SOIL - ABOUT 3 INCHES. THIS METHOD SHOULD BE LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHOULD BE OPERATED ON CONTOUR. NOTE: CRIMPING OF STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.

MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

	SEED TYPE	% BY WT	SEEDING RATE	SEEDING DATES
1)	CONSERVE HIGH MAINT MIX (USED FOR SLOPES)	55%	3.44 LBS./1000 SF	AUG. 15 TO OCT. 15
	TALL FESCUE	10%		
	HARD FESCUE	10%		
	SMITH GRASS	10%		
	PER RYE	10%		
2)	CONSERVE LOW MAINT MIX (USED FOR LAWNS AND AMENDED SOILS)	68%	3.44 LBS./1000 SF	AUG. 15 TO OCT. 15
	WHITE CLOVER	6%		
	POA TRIVIALS	55%		
	PERENNIAL RIGRASS	25%		
	REDTOP	10%		
3)	CONSERVE LOW MAINTENANCE BASIN MIX (USED FOR BUCKS)	68%	3.44 LBS./1000 SF	AUG. 15 TO OCT. 15
	TALL FESCUE	10%		
	POA TRIVIALS	18%		
	PERENNIAL RYE	10%		
	OROPENG RED FESCUE	10%		
	WHITE CLOVER	8%		
	REDTOP	6%		

TEMPORARY SEEDING

- a) IN ORDER TO ESTABLISH A QUICK GRASS COVER OVER DISTURBED AREAS, A TEMPORARY SEED MIXTURE SHALL BE USED.
- b) STABILIZATION EFFORTS DURING THE NON-GERMINATING PERIOD, OCT. 15 TO MARCH 15 SHOULD BE MULCHED WITH CLEAN STRAW AT A RATE OF 3 TONS/AC. (EQUIVALENT TO 0.75" TO 1" DEEP). CLEAN STRAW MULCH SHOULD NOT BE FINELY CHOPPED OR BROKEN DURING APPLICATION.

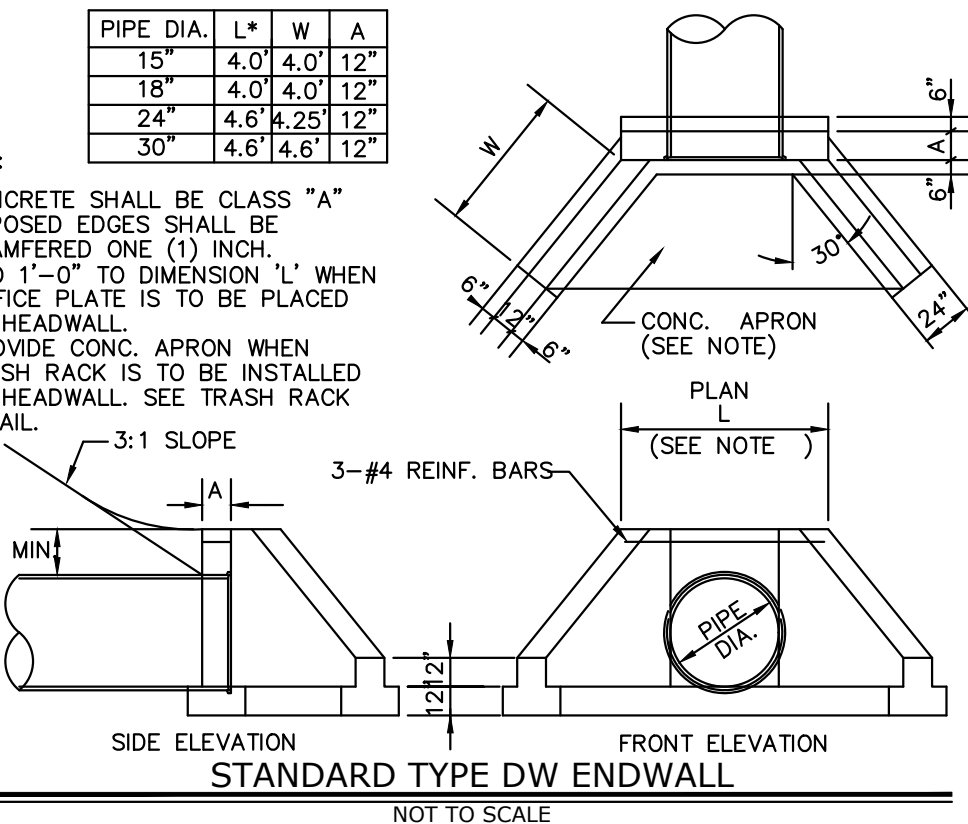
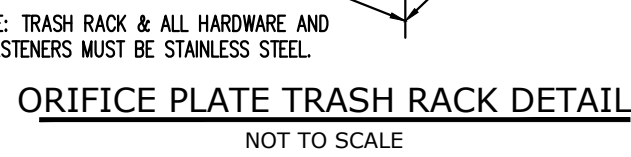
* SEE PERMANENT SEEDING 1.b FOR ADDITIONAL MULCHING INFORMATION

SEEDING SCHEDULE FOR TEMPORARY COVER:			
SEED TYPE	% BY WT.	SEEDING RATE	SEEDING DATES
ANNUAL RYEGRASS	100%	1 LBS./1000 SF	MAR. 1 TO JUNE 15
		40 LBS./1000 SF	AUG. 15 TO SEPT. 15
WINTER RYE	100%	3.5 LBS./1000 SF	AUG. 15 TO OCT. 15

POLYMERIC AND GUM TACKIFIERS MIXED AND APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY BE USED TO TACK MULCH. AVOID APPLICATION DURING RAIN AND ON WINDY DAYS. A 24-HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45 DEGREES F ARE TYPICALLY REQUIRED. APPLICATION SHOULD GENERALLY BE HEAVIEST AT EDGES OF SEEDED AREAS AND AT CRESTS OF RIDGES AND BANKS TO PREVENT LOSS BY WIND. THE REMAINDER OF THE AREA SHOULD HAVE BINDER APPLIED UNFORMALLY. BINDERS MAY BE APPLIED AFTER MULCH IS SPREAD OR SPRAYED INTO THE MULCH AS IT IS BEING BLOWN ONTO THE SOIL. APPLYING STRAW AND BINDER TOGETHER IS GENERALLY MORE EFFECTIVE.

e) LIME RATES OF 1 TON/ACRE OF AGRICULTURAL GRADE LIME SHALL BE USED WITH TEMPORARY SEEDING.

SOIL SUPPLEMENT SPECIFICATIONS				
SOIL AMENDMENT	PERMANENT PER ACRE	SEEDING APPLICATION RATE		NOTES
		PER 1,000 S.F.	PER 1,000 S.Y.	
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-20-20 FERTILIZER	1,000 LB.	25 LB.	210 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
	SEEDING APPLICATION RATE			
AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES



NOTES: ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

RIP-RAP APRON AT PIPE OUTLET
WITH FLARED END SECTION OR ENDWALL

NOT TO SCALE

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WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

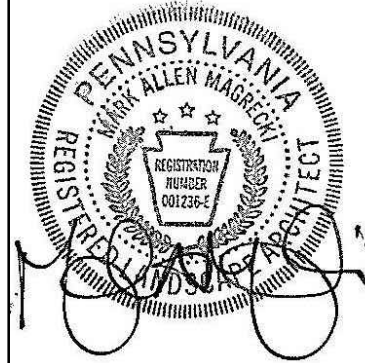


PennTerra
ENGINEERING OF
LANCASTER, INC

PROJECT
3706

C906

CONFORMED SET



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REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

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TOWSON, MARYLAND

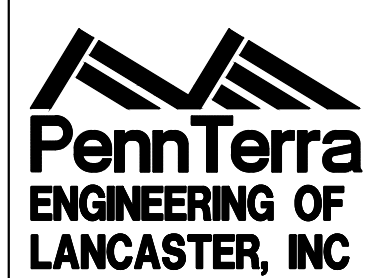
CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

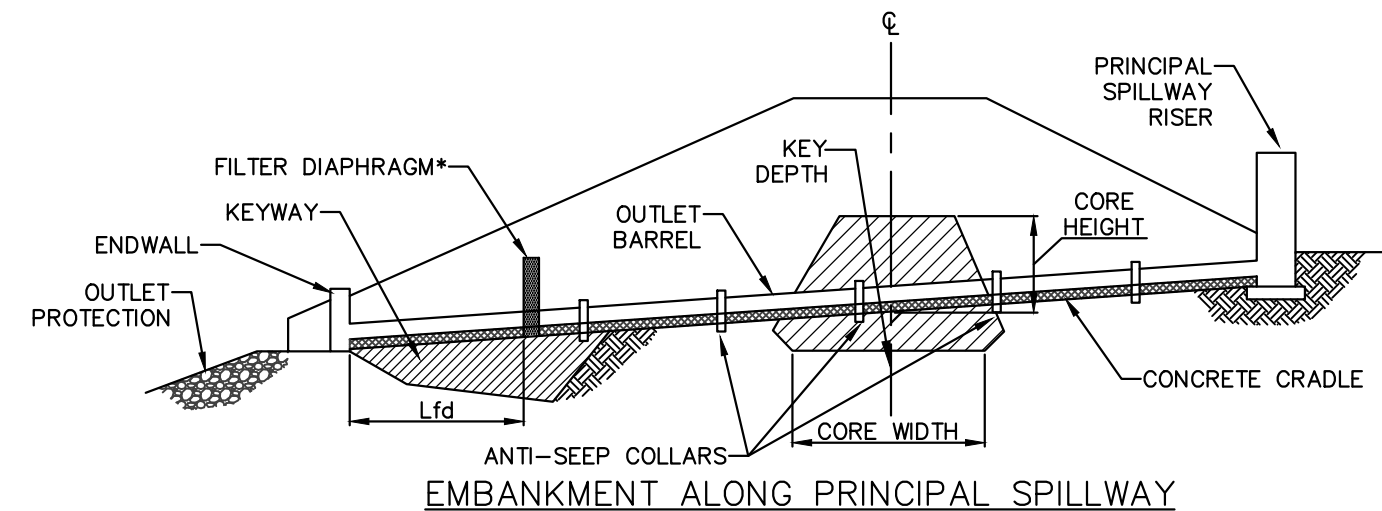
401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

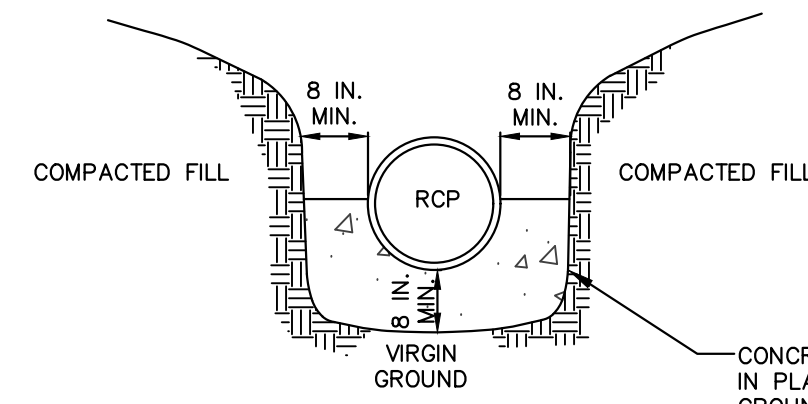
717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICTPCSM
DETAILSPROJECT
3706

C907

PLOTS
SCALE:
NTS
FILENAME:
24031
DATE:
JULY 8, 2026

EMBANKMENT ALONG PRINCIPAL SPILLWAY

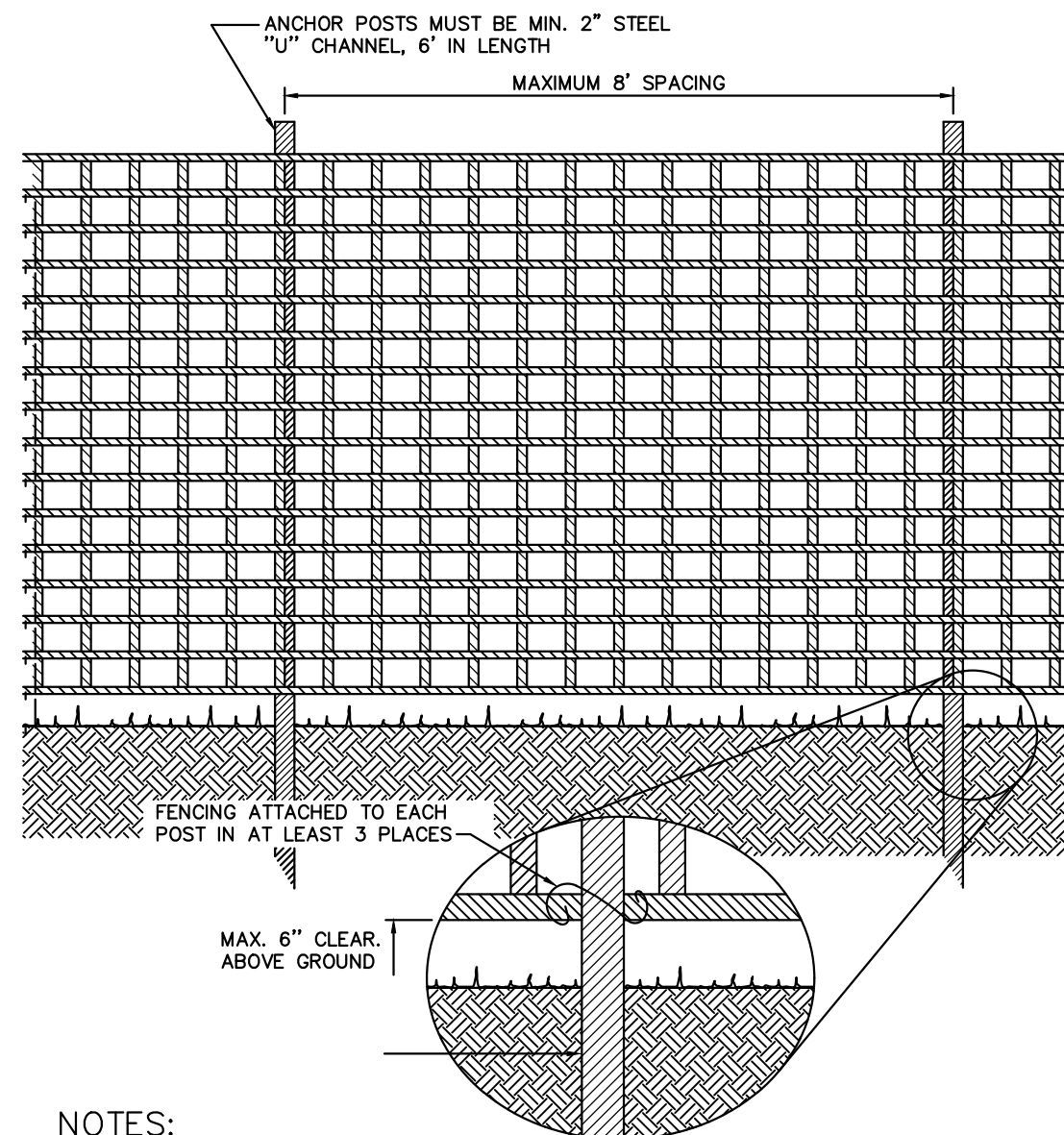


CROSS-SECTION AT OUTLET BARREL

NOTES:
A CONCRETE CRADLE MAY BE USED IN CONJUNCTION WITH ANTI-SEEP COLLARS AND/OR FILTER DIAPHRAGM.
ANTI-SEEP COLLAR NUMBER, SIZE AND SPACING SHALL BE AS SHOWN ELSEWHERE IN PLAN.
FILTER DIAPHRAGM LOCATION (L16) SHALL BE AS SHOWN IN FIGURE 7.8 OF THE PA DEP EROSION CONTROL MANUAL.

CONCRETE CRADLE FOR BASIN OR TRAP OUTLET BARREL

NOT TO SCALE



NOTES:
1. CONSTRUCTION FENCE SHALL BE 4' HIGH, CONSTRUCTED OF DURABLE AND HIGHLY VISIBLE MATERIAL (PLASTIC ORANGE CONSTRUCTION FENCE).
2. CONSTRUCTION FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK AT THE SITE.
3. ADDITIONAL WARNING SIGNS SHOULD ALSO BE PLACED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE WORK ZONE.

ORANGE CONSTRUCTION FENCE

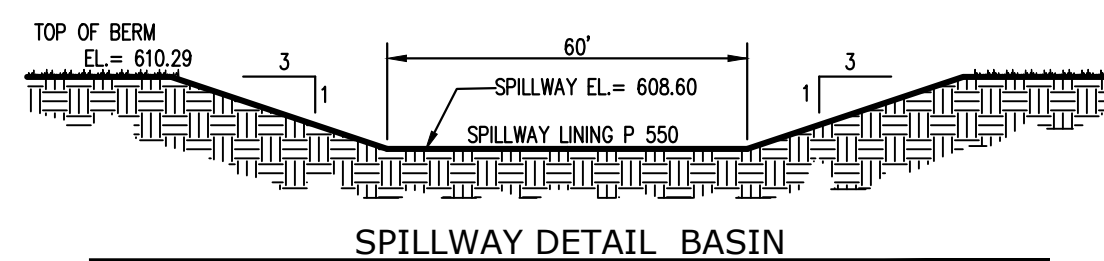
NOT TO SCALE

BASIN OR TRAP NO.	PIPE SIZE (IN)	S (IN)	NO. OF COLLARS	RISER TO FIRST COLLAR (FT)	COLLAR SPACING (FT)
1	30	68	2	15	9

NOTES:
ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATERTIGHT.
COLLAR SIZE AND SPACING SHALL BE AS INDICATED WITHIN TABLE.

CONCRETE ANTI-SEEP COLLAR

NOT TO SCALE

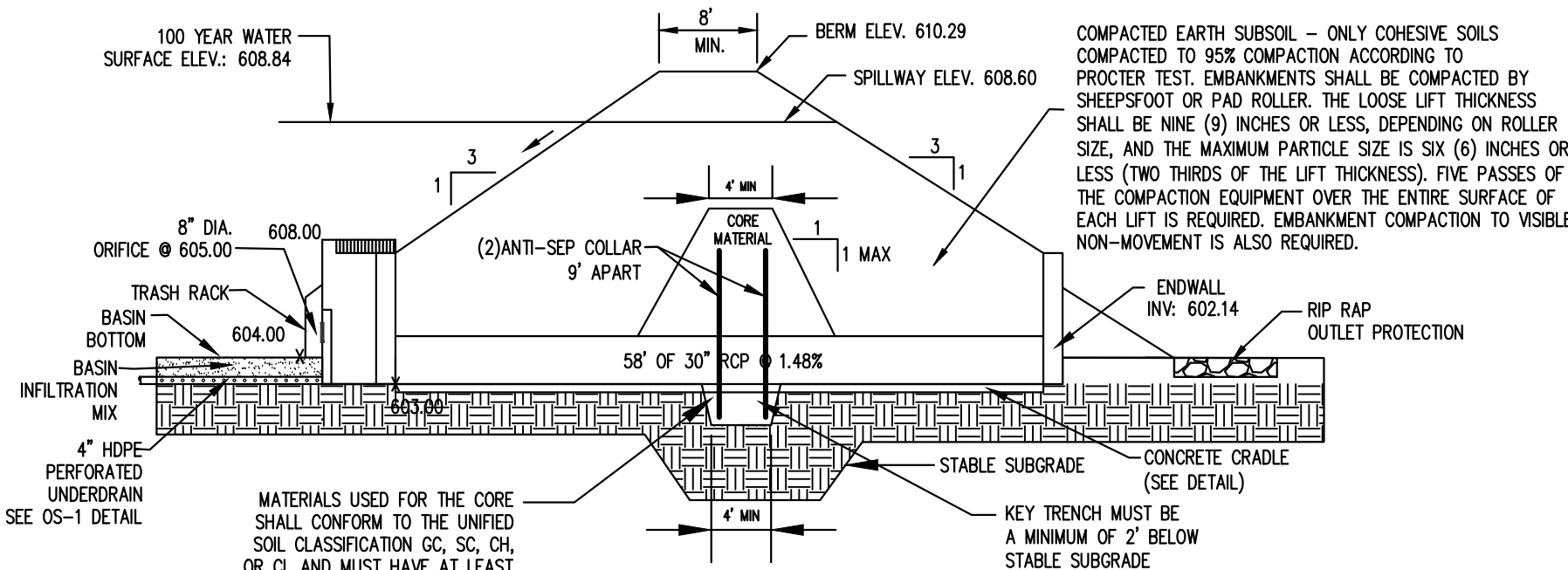


SPILLWAY DETAIL BASIN

NOT TO SCALE

DETENTION BASIN NOTES:

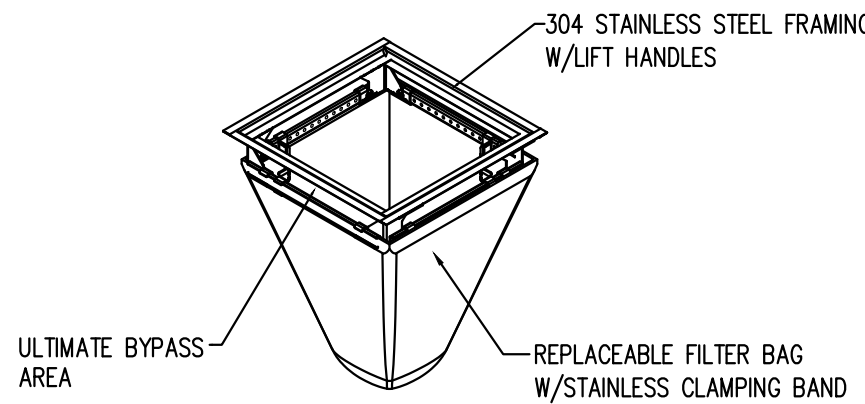
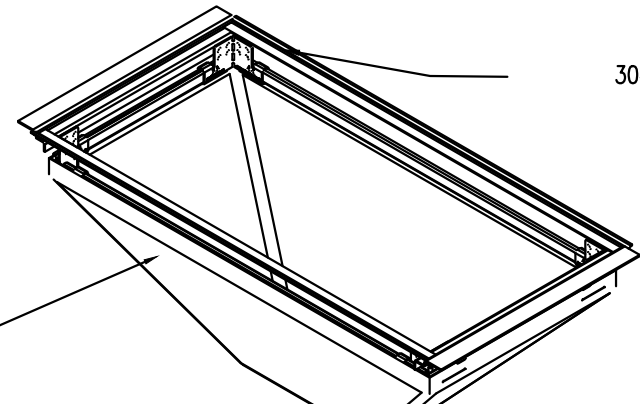
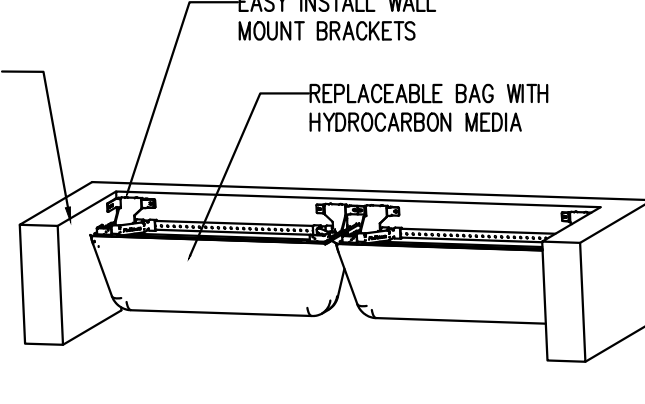
- THE BASIN SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH ANY EARTH MOVING OR LAND DISTURBANCE WHICH IT WILL SERVE.
- THE EMBANKMENT SHALL BE COMPACTED IN LAYERS TO A DENSITY OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698.
- WHEN ROCK IS ENCOUNTERED DURING THE EXCAVATION OF THE BASIN, THE ENGINEER AND GEOTECHNICAL CONSULTANT SHALL BE NOTIFIED IMMEDIATELY. UNDER DIRECTION OF THE GEOTECHNICAL ENGINEER, THE ROCK SHALL BE REMOVED TO AN ELEVATION OF AT LEAST 1' BELOW THE PROPOSED BASIN FLOOR FOR THE EVALUATION OF THE CONSTRUCTION OF A POTENTIAL LINER.
- TEMPORARY AND PERMANENT GRASSES OR STABILIZATION MEASURES SHALL BE ESTABLISHED IN THE SIDES AND BASE OF ALL EARTHEN BASINS WITHIN 15 DAYS OF CONSTRUCTION.
- THE BASIN DISCHARGE PIPE SHALL BE BELL-AND-SPOUT ENDS WITH GASKETED WATERTIGHT JOINTS.
- EXCAVATE BASIN WITH LOW GROUND PRESSURE TRACKS (LGP) OR A 3.5 TONE MINI EXCAVATOR WITH 12-INCH TRACKS THE EXERT 4.6 PSI OF GROUND PRESSURE.
- CONFIRMATORY INFILTRATION TESTING IS REQUIRED PRIOR TO CONVERSION FROM A SEDIMENT BASIN TO AN INFILTRATION BASIN.



SCM-2 INFILTRATION BASIN

NOT TO SCALE

FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING

FLEXSTORM PURE INLET FILTERS FOR
RECTANGULAR OPENINGS WITH GRATESFLEXSTORM PURE INLET FILTERS FOR
RECTANGULAR OPENINGS WITH GRATESFLEXSTORM HDWM WALL MOUNT INLET
FILTERS FOR OPEN THROAT OUTLERS

Product selection for FLEXSTORM PURE Filters (Permanent Inlet Protection)									
Descrip	Inlet Type	Grate Size	Opening Size	Bag Cap (ft²)	Flow Ratings (CFS)				
					FX/FX+	PC/PC+	Bypass		
2' x 2' Frame and Grate	Square/Rect (SQ)	24 x 24	22 x 22	3.3	1.8	1.6	4.8	62MH-D22FX	62MH-D22FXP
2' x 4' PennDOT Type M & C	Square/Rect (SQ)	26.5 x 48	24 x 44.5	6.3	3.1	2.2	9.5	62PENNM-HD2FX	62PENNM-HD2FXP
2' x 6' Frame and Grate	Concrete Box (HD4)	26.5 x 75	24 x 72	10.0	4.8	4.1	13.0	62PENNH-D26FX	62PENNH-D26FXP
3 x 3 Frame and Grate	Square/Rect (SQ)	37.5 x 37.5	36 x 36	7.2	4.4	3.2	9.6	62HDXLFX	62HDXLFXP
48" Open Throat Curb Inlet	Wall Mount (WM)	N/A	48	3.3	2.5	4.2	N/A*	62HDWM48FX	62HDWM48FXP

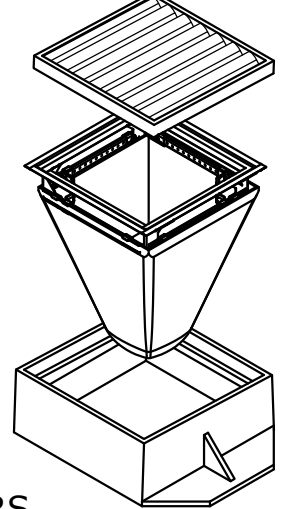
*FLOW RATINGS SHOWN ARE 50% MAXIMUM

NOTES:

- ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING.
- TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
- UPON ORDERING ADD P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:

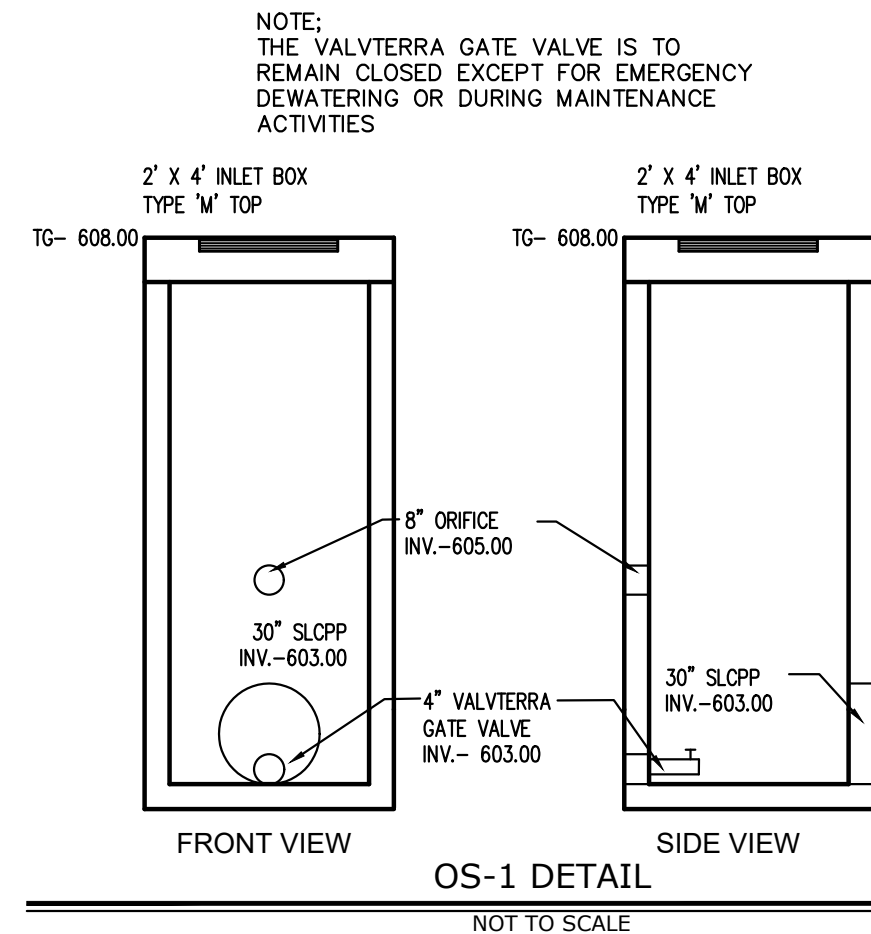
- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER (ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE)
- REPLACE GRATE



ALL PROPOSED INLETS ARE TO RECEIVE FLEXSTORM INLET FILTERS. ALSO EXISTING INLET 3 SHALL RECEIVE A FLEXSTORM INLET FILTER.

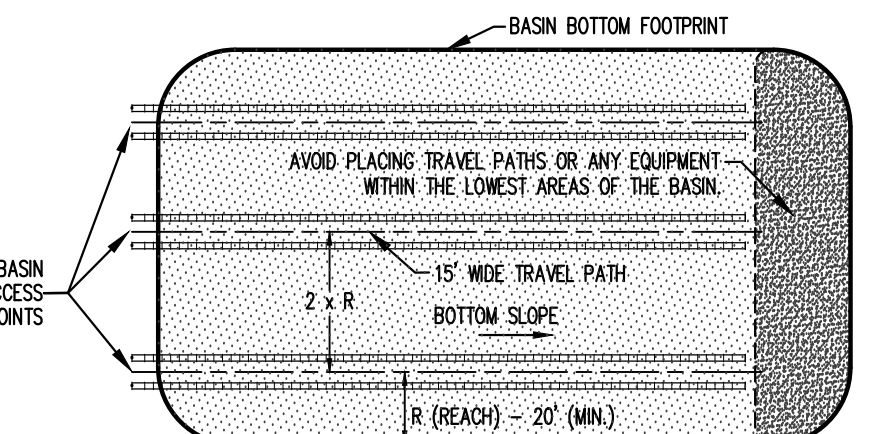
FLEXSTORM PURE INLET PROTECTION FILTERS

NOT TO SCALE



OS-1 DETAIL

NOT TO SCALE

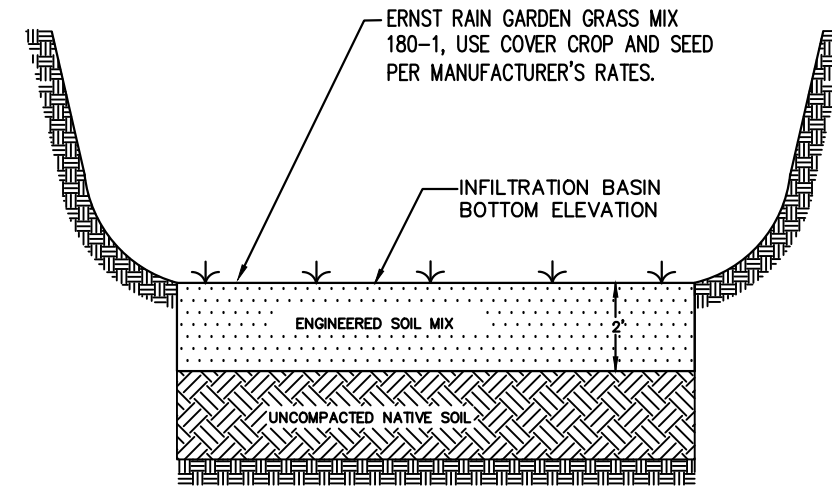


THIS DETAIL REPRESENTS A TYPICAL BASIN BOTTOM EXCAVATION TECHNIQUE. EACH BASIN VARIES WITH GEOMETRY AND OTHER VARIOUS PHYSICAL FEATURES. THE CONTRACTOR MUST DEVELOP A BASIN BOTTOM EXCAVATION PLAN AND CONSULT WITH THE GEOTECHNICAL ENGINEER PRIOR TO COMMENCING THE BASIN BOTTOM EXCAVATION.

- ALL EQUIPMENT MOBILIZATION AND MANEUVERS MUST BE LIMITED TO THE TRAVEL PATH LOCATIONS. THE CONTRACTOR SHALL LOCATE AND CLEARLY POST ALL TRAVEL PATHS IN THE FIELD.
- TRAVEL PATH LOCATIONS SHALL BE SELECTED BASED UPON EQUIPMENT REACH CAPABILITY AND BASIN GEOMETRY. TRAVEL PATH LOCATIONS SHOULD BE SELECTED SUCH THAT THEY PARALLEL THE LONGEST SIDE OF THE BASIN.
- TRAVEL PATH SPACING SHALL VARY WITH EQUIPMENT REACH CAPABILITY. REACH CAPABILITY SHOULD BE A MINIMUM OF 20 FEET.
- MATERIAL SHALL BE REMOVED FROM THE TRAVEL PATH LOCATIONS WORKING TOWARD THE BASIN ACCESS POINTS. ONCE MATERIAL IS REMOVED FROM EACH TRAVEL PATH LOCATION AND FINAL GRADE IS ACHIEVED, ALL EQUIPMENT SHALL BE PROHIBITED FROM THESE LOCATIONS.
- THIS PROCEDURE SHALL BE FOLLOWED FOR THE INITIAL SEDIMENT FACILITY CONSTRUCTION AND FINAL INFILTRATION BASIN GRADING. THE CONTRACTOR MUST USE THE SAME TRAVEL PATHS FOR BOTH CONSTRUCTION PHASES.
- EXCAVATE BASIN WITH LOW GROUND PRESSURE TRACKS (LGP) OR A 3.5 TONE MINI EXCAVATOR WITH 12-INCH TRACKS THE EXERT 4.6 PSI OF GROUND PRESSURE.
- THE BOTTOMS OF THE PROPOSED SO/M'S SHOULD NOT BE OVERLY COMPACTED DURING CONSTRUCTION. IF COMPACTION OCCURS, CONFIRMATORY INFILTRATION TESTING IS REQUIRED PRIOR TO FINAL INSTALLATION.

TYPICAL INFILTRATION BASIN BOTTOM EXCAVATION

NOT TO SCALE



ENGINEERED SOIL MIX
MAXIMUM CLAY CONTENT IS 1%. SOIL MIXTURE SHALL BE 5-10% SAND; 5-15% LEAF COMPOST; AND 80-90% WASTE TOPSOIL. LEAF COMPOST IS ESSENTIALLY COMPOSED OF AGED LEAF MULCH AND PROVIDES ORGANIC MATTER TO IMPROVE THE HEALTH OF THE SOIL AND ENSURE ADEQUATE SOIL STRUCTURE. THE SOIL MUST BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES SHOULD BE MIXED OR DUMPED WITHIN THE BOREHOLE THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVIDE A HINDERANCE TO THE PLANTING OR MAINTENANCE OPERATIONS. THE PLANTING SOIL MUST BE FREE OF PLANT OR SEED MATERIAL OF NON-NATIVE, INVASIVE SPECIES, OR NOXIOUS WEEDS. PH RANGE: 5.5-6.5. ORGANIC MATTER: 1.5 - 3.0%.

SCM-2 INFILTRATION BASIN BOTTOM CROSS SECTION

NOT TO SCALE