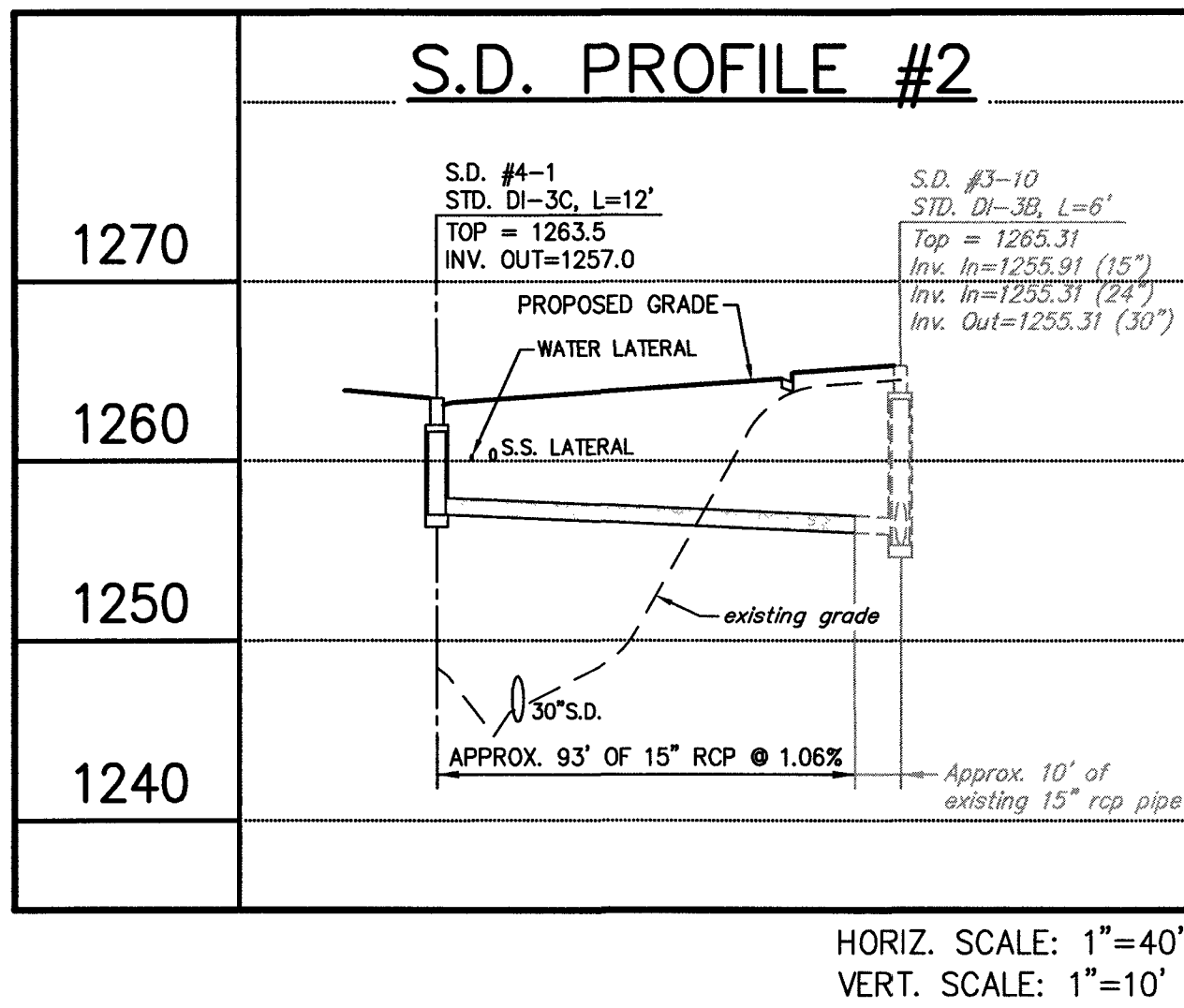
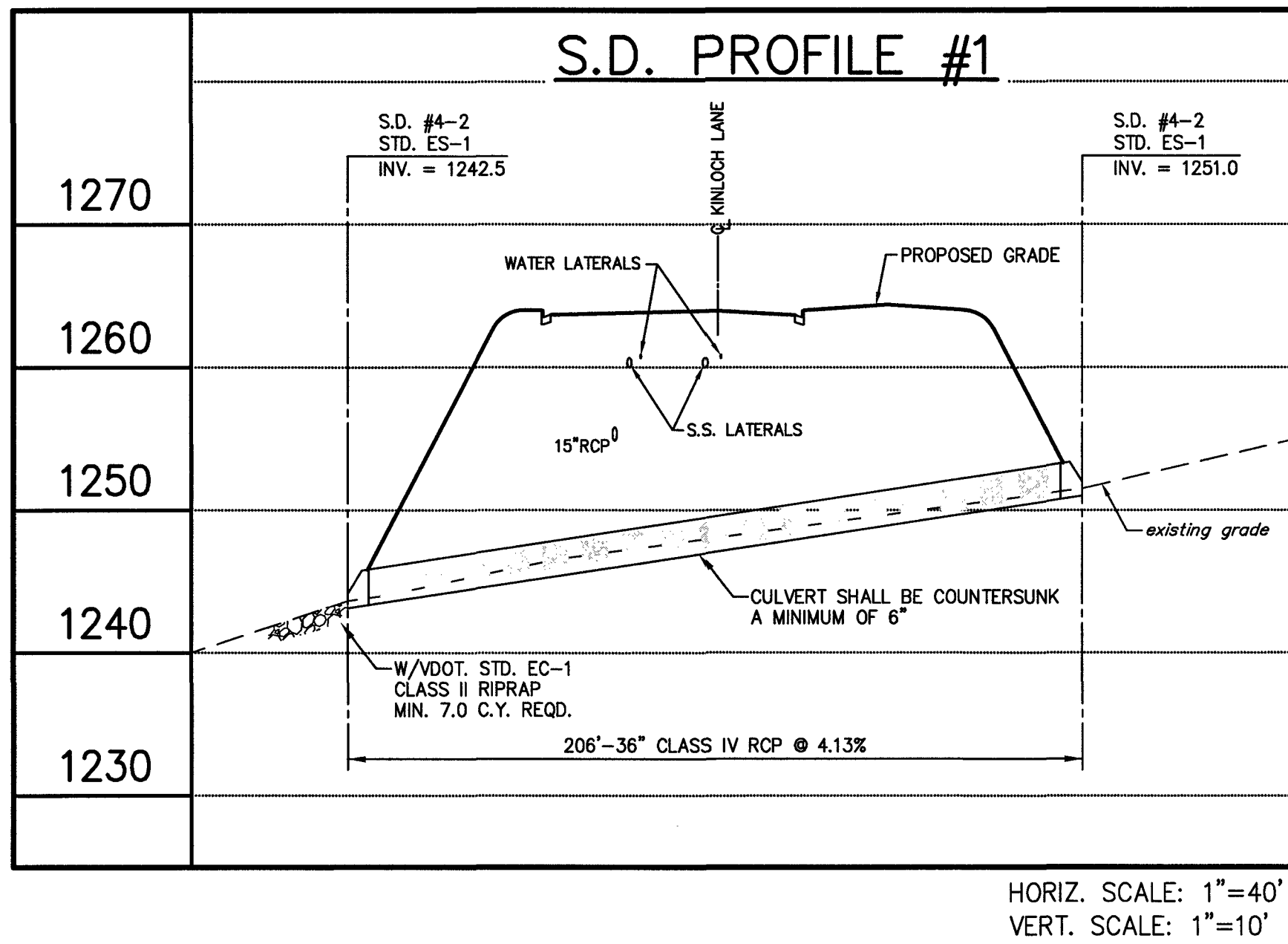
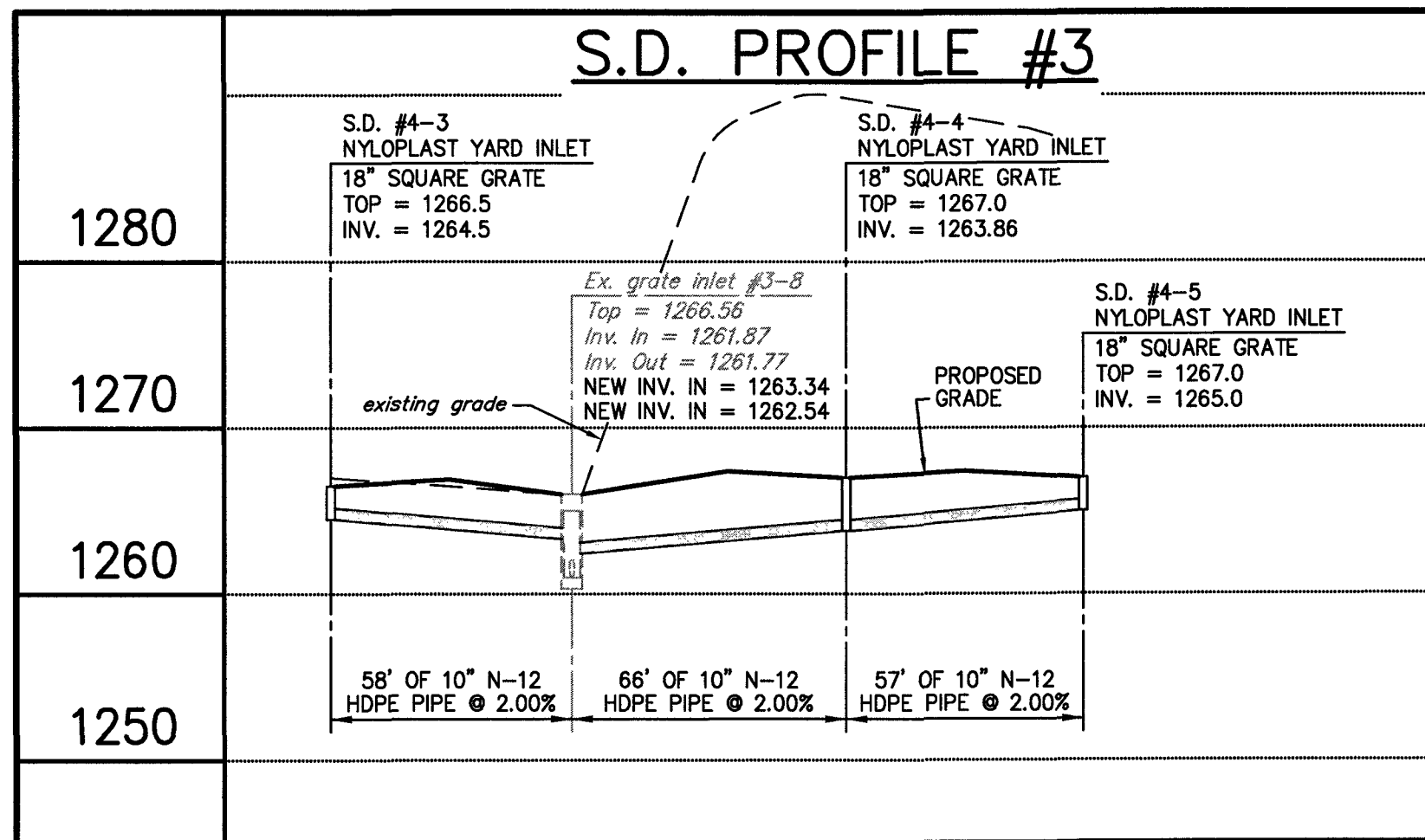
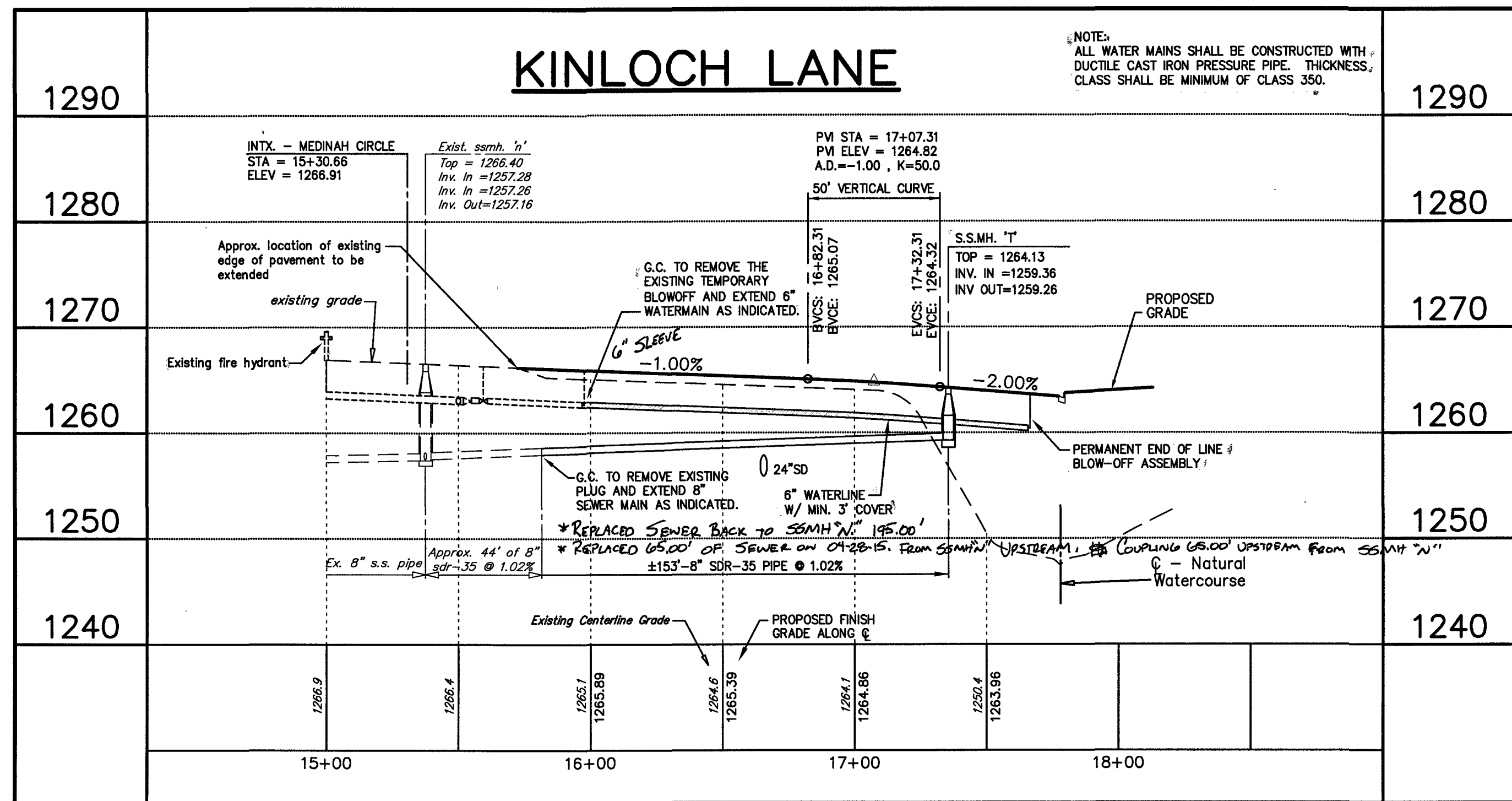
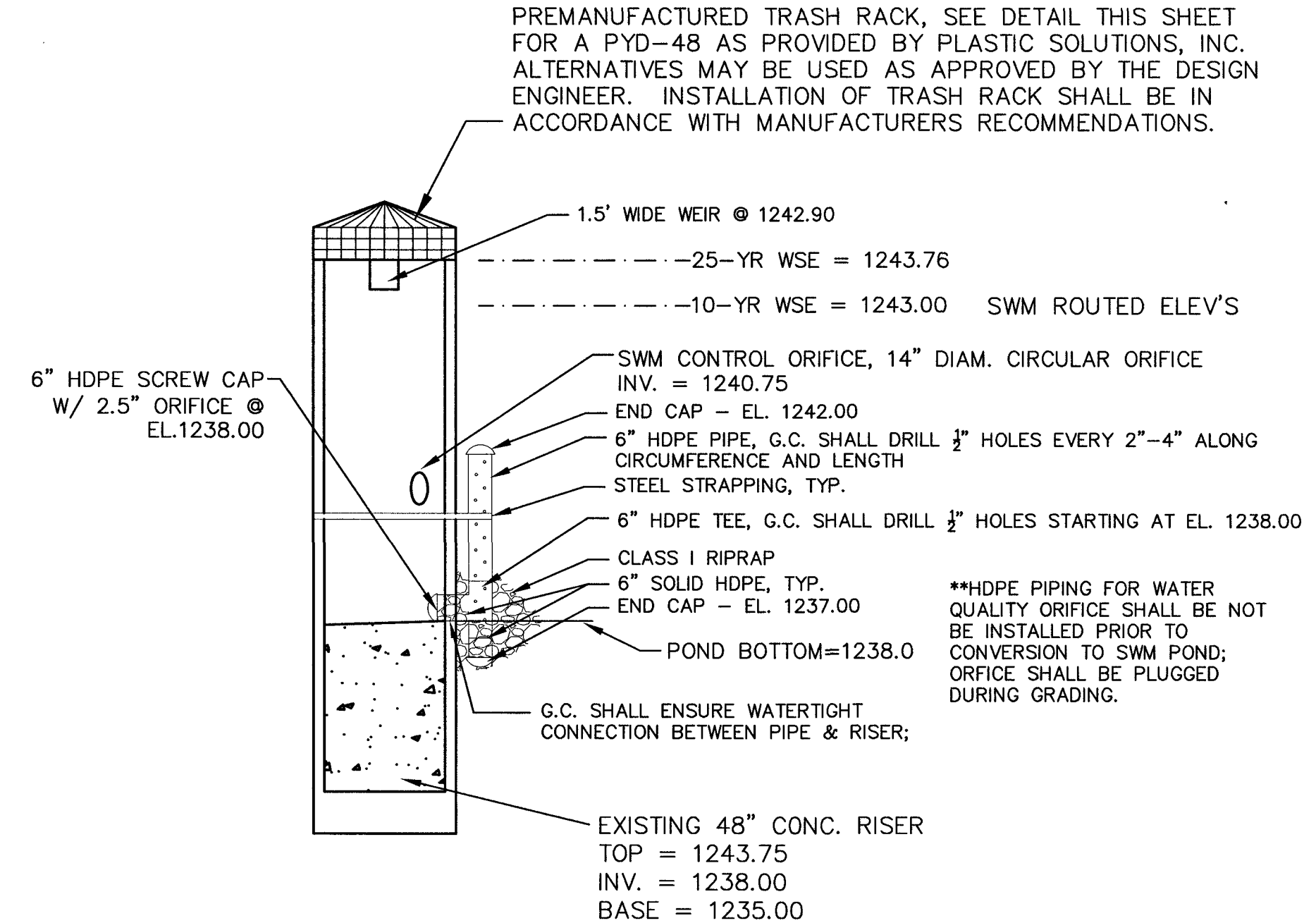
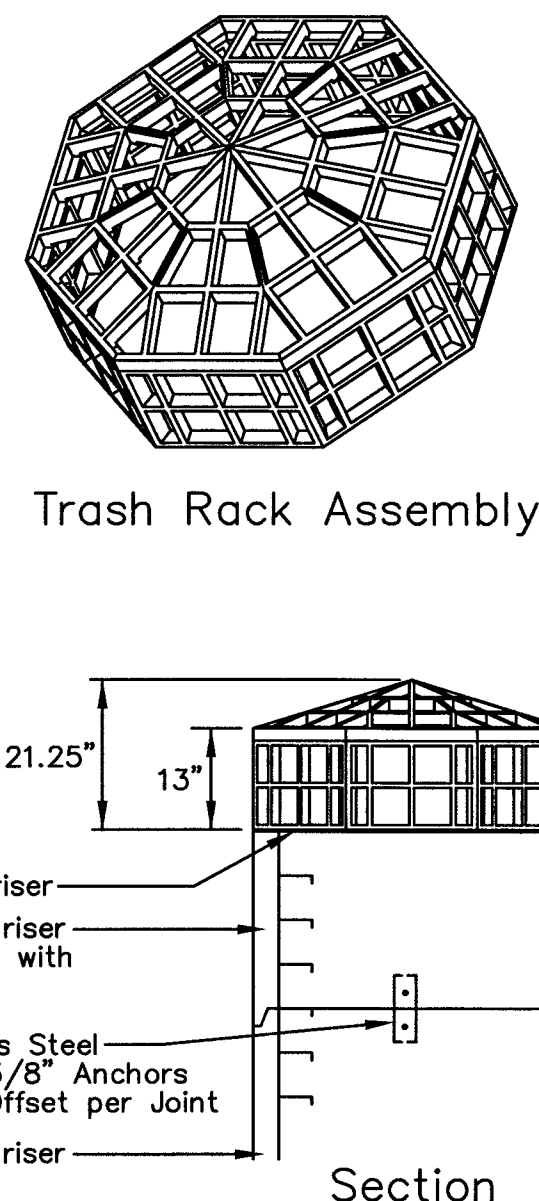
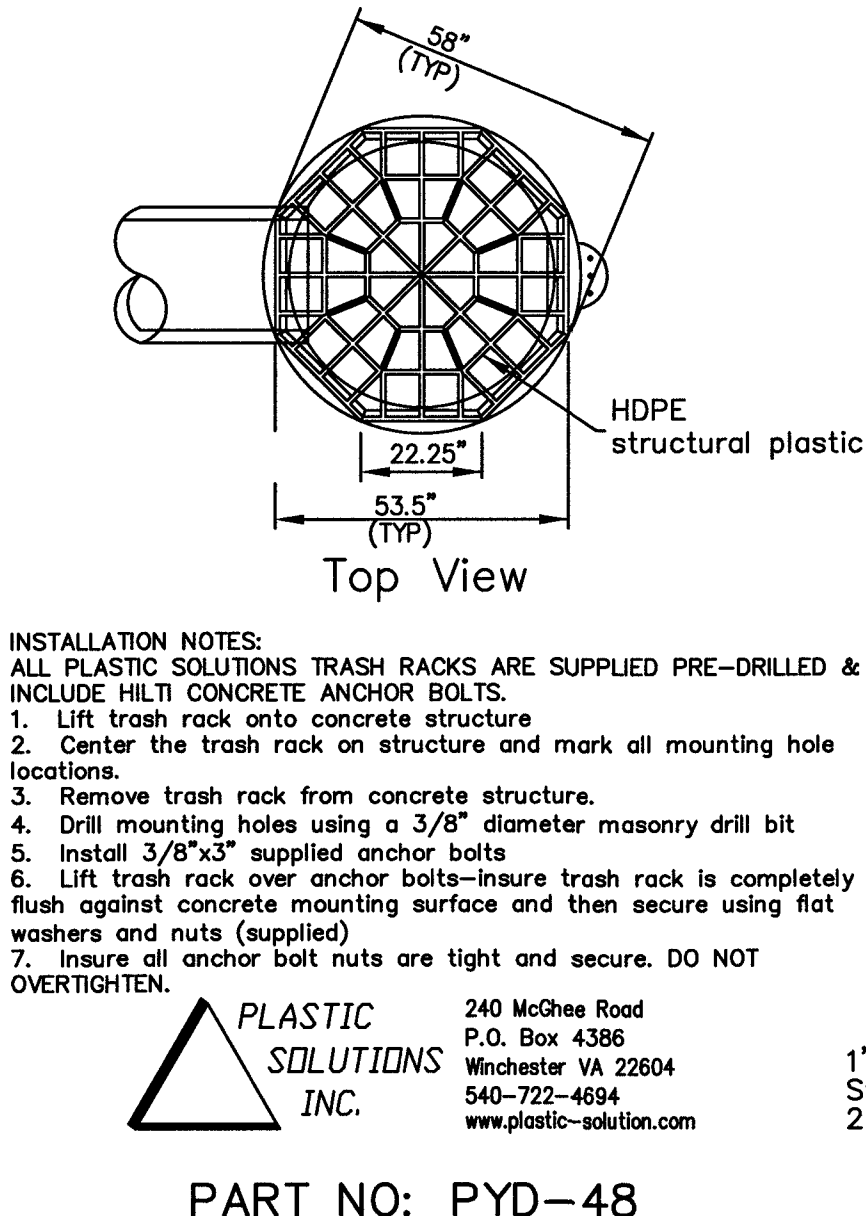
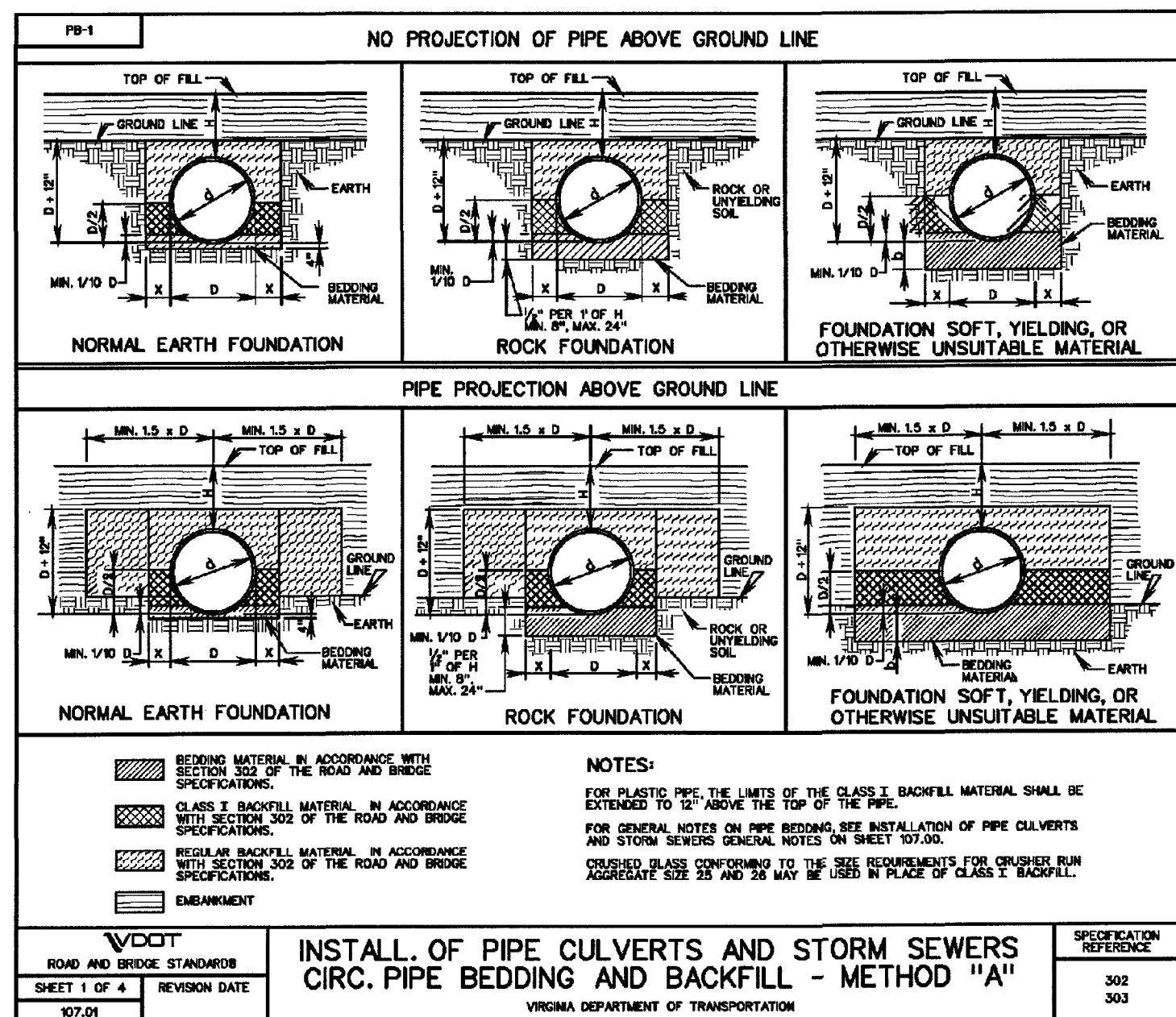




STORM DRAIN SCHEDULE		
4-1	VDOT STANDARD DI-3C W/ IS-1 THROAT LENGTH = 12 FT. TOP = 1263.5 INV. OUT = 1257.0	3-5 Ex. curb inlet Top = 1265.30 Inv. In = 1256.55 (18") Inv. In = 1256.50 (18") Inv. Out = 1256.45 (24")
4-1	3-70 APPROX. 93' OF 15" RCP @ 1.06%	3-8 Ex. grate inlet Top = 1265.56 Inv. In = 1261.87 Inv. Out = 1261.77 NEW INV. IN = 1263.34 NEW INV. IN = 1262.54
4-3	36" CLASS IV RCP PIPE CULVERT @ 4.13% SLOPE INV. IN = 1251.0 INV. OUT = 1242.5	3-8A Ex. storm manhole Top = 1265.56 Inv. In = 1258.93 (18") Inv. Out = 1258.93 (18")
4-3	NYLOPLAST YARD INLET 18" SQUARE GRATE TOP = 1266.5 INV. = 1264.5	3-10 Ex. curb inlet Top = 1265.31 Inv. In = 1255.31 (24") Inv. Out = 1255.31 (30") NEW INV. IN = 1255.91 (15")
4-3	3-8 58' OF 10" N-12 HDPE PIPE @ 2.0%	3-10A Outfall of ex. 30" rcp Inv. Out = 1254.91
4-4	NYLOPLAST YARD INLET 18" SQUARE GRATE TOP = 1267.0 INV. = 1263.86	
4-5	57' OF 10" N-12 HDPE PIPE @ 2.0%	
4-5	NYLOPLAST YARD INLET 18" SQUARE GRATE TOP = 1267.0 INV. OUT = 1265.0	
4-4	3-8 66' OF 10" N-12 HDPE PIPE @ 2.0%	

SANITARY SEWER SCHEDULE		
1	STA. 17+35.5; 6.0' RIGHT WWA S-1 TOP = 1264.13 INV. IN = 1259.36 INV. OUT = 1259.26	n Existing s.s.mh. Top = 1266.40 Inv. In = 1257.28 Inv. In = 1257.26 Inv. Out = 1257.16
1	3-8 APPROX. 153' OF 8" SDR-35 PIPE @ 1.02%	



- SPECIFIC MODIFICATIONS REQUIRED FOR CONVERSION TO SWM
1. INSTALL NEW EMERGENCY SPILLWAY IF NOT CURRENTLY PRESENT.
 2. REMOVE TRASH RACK, DEWATERING STRUCTURE AND PLUG.
 3. ADJUST TOP OF RISER TO ELEVATION 1243.75 FROM 1243.25.
 4. INSTALL OUTLET ORIFICE IN MANHOLE BASE.
 5. REMOVE ANY SEDIMENT LADEN WATER WITHIN THE BASIN.
 6. RESHAPE BASIN BOTTOM TO PROVIDE POSITIVE DRAINAGE.
 7. SEED AND STABILIZE ALL DENUDE AREAS.

**NOTE: SEE SHEET COBA OF THE FAIRWAYS AT HANGING ROCK, SECTION 3 FOR ADDITIONAL STORMWATER MANAGEMENT FACILITY DETAILS. THE RISER DETAIL ON THIS SHEET SHALL BE USED FOR CONSTRUCTION OF THE RISER.

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1208 Corporate Circle
Roanoke, VA 24018
540-772-9580
FAX 540-772-8050

FAIRWAYS at HANGING ROCK
SECTION 4

PROFILES

CATAWBA DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY CPB
DESIGNED BY CPB
CHECKED BY BTC
DATE 8/16/2013
SCALE AS SHOWN

REVISIONS:
9/18/2013
9/23/2013
10/15/2013

APPROVED

SHEET NO. C08
JOB NO. R0500377.04