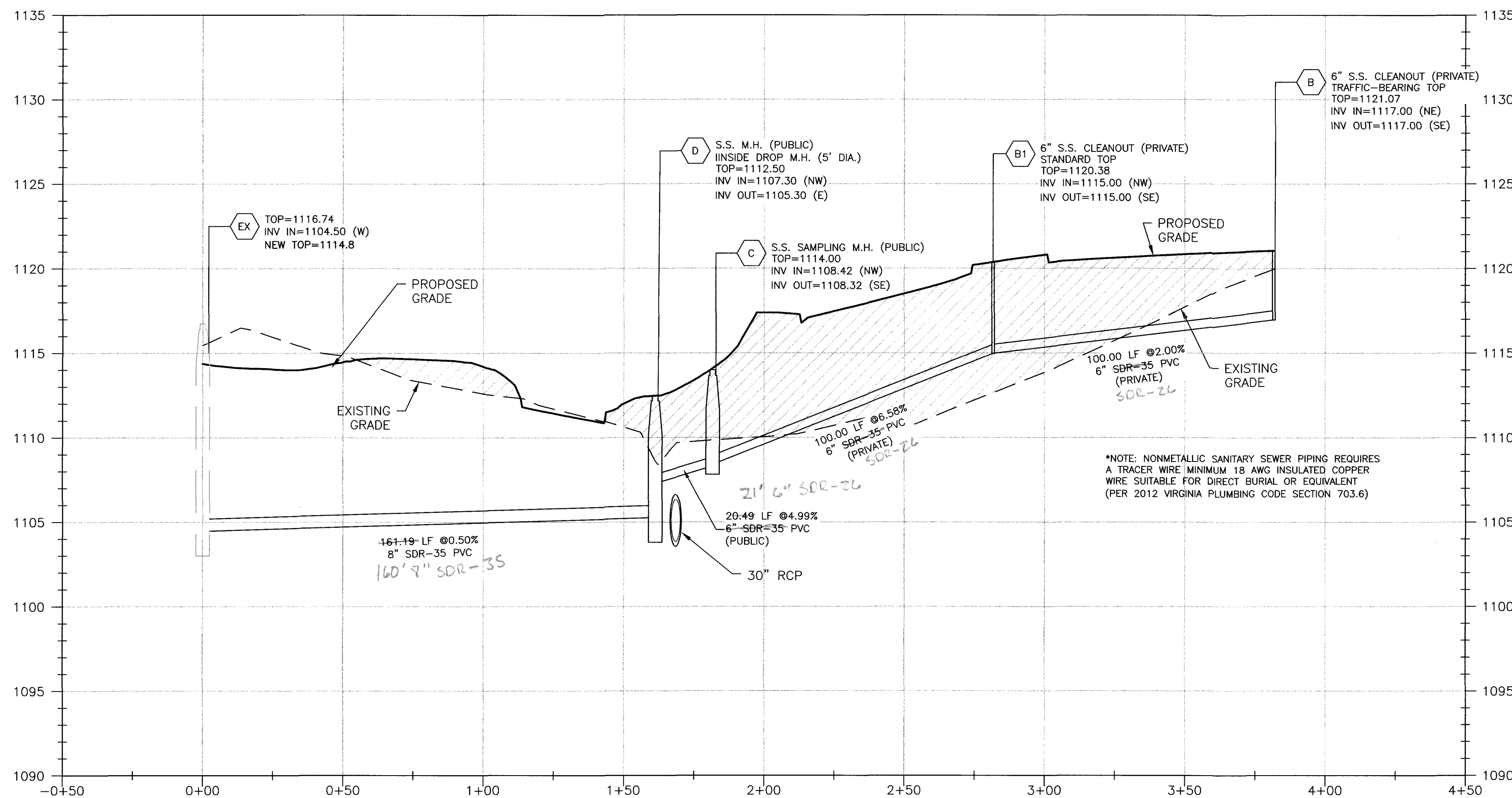


STORM STRUCTURE SCHEDULE:

1 VDOT ST'D DI-3A TOP: 1116.6 INV. IN: 1110.1 INV. OUT: 1110.0	17 VDOT ST'D DI-3B (8' THROAT) TOP: 1117.45 INV. IN: 1112.44 INV. OUT: 1112.34	34 178 LF OF 10" TYPE S HDPE PIPE AT 4.09%
2 98.30 LF OF 15" TYPE S HDPE PIPE AT 2.47%	18 88.56 LF OF 18" TYPE S HDPE PIPE AT 3.00%	35 STORM CLEANOUT TOP: 1121.9 INV.: 1119.0
3 VDOT ST'D DI-3A TOP: 1111.01 INV. IN: 1107.57 INV. OUT: 1107.47	19 VDOT ST'D DI-3B (6' THROAT) TOP: 1116.55 INV. IN: 1109.68 INV. OUT: 1109.58	36 106 LF OF 10" TYPE S HDPE PIPE AT 1.92%
4 51.78 LF OF 15" TYPE S HDPE PIPE AT 3.80% WITH END SECTION INV. OUT: 1105.5	20 36.75 LF OF 18" TYPE S HDPE PIPE AT 8.38% WITH HDPE END SECTION INV. OUT: 1106.5	37 STORM CLEANOUT TOP: 1120.7 INV.: 1116.1
5 48" CONC. RISER W/ TRASH RACK (2) 9.7" ORIFICES: 1097.95 3" ORIFICE W/ TRASH RACK: 1095.0 PIPE INV. OUT: 1093.5 BOTTOM OF STRUCTURE: 1091.0	21 48" CONC. RISER W/ TRASH RACK TOP: 1112.7 (2) 13.5" ORIFICES: 1109.5 (2) 8" ORIFICES W/ TRASH RACK: 1104.8 PIPE INV. OUT: 1104.8 BOTTOM OF STRUCTURE: 1101.8	38 68 LF OF 10" TYPE S HDPE PIPE AT 2.0%
6 99.56 LF OF 24" RCP AT 13.56% WITH WATERTIGHT GASKETED JOINTS AND 24" RCP END SECTION INV. OUT: 1080.0	22 23.09 LF OF 30" RCP AT 0.67% WITH WATERTIGHT GASKETED JOINTS	39 STORM CLEANOUT TOP: 1120.5 INV.: 1117.5
7 VDOT ST'D DI-3A TOP: 1117.04 INV. OUT: 1114.5	23 VDOT ST'D MH-2 TOP: 1113.15 INV. IN: 1104.64 INV. OUT: 1104.54	40 44 LF OF 10" TYPE S HDPE PIPE AT 1.5%
8 40.87 LF OF 15" TYPE S HDPE PIPE AT 1.02%	24 226.67 LF OF 30" RCP AT 0.55% WITH WATERTIGHT GASKETED JOINTS AND 30" RCP END SECTION INV. OUT: 1103.3	41 STORM CLEANOUT TOP: 1121.4 INV.: 1118.2
9 VDOT ST'D DI-3B (6' THROAT) TOP: 1116.9 INV. IN: 1114.08 INV. OUT: 1113.98	25 OMITTED	42 53 LF OF 10" TYPE S HDPE PIPE AT 1.0%
10 28.42 LF OF 15" TYPE S HDPE PIPE AT 0.99%	26 OMITTED	43 STORM CLEANOUT (TRAFFIC-BEARING) TOP: 1121.1 INV.: 1118.7
11 VDOT ST'D DI-3B (6' THROAT) TOP: 1117.1 INV. IN: 1113.7 INV. OUT: 1113.6	27 75 LF OF 10" TYPE S HDPE PIPE AT 2.09%	44 30 LF OF 10" TYPE S HDPE PIPE AT 1.0%
12 9.8 LF OF 18" TYPE S HDPE PIPE AT 1.00% WITH HDPE END SECTION INV. OUT=1113.5	28 STORM CLEANOUT TOP: 1115.5 INV.: 1111.7	45 NYLOPLAST YARD DRAIN TOP: 1121.5 INV.: 1119.0
13 VDOT ST'D MH-2 TOP: 1128.6 INV. IN: 1123.27 INV. OUT: 1116.3	29 160 LF OF 10" TYPE S HDPE PIPE AT 1.96%	46 57 LF OF 10" TYPE S HDPE PIPE AT 1.0%
14 109.39 LF OF 18" TYPE S HDPE PIPE AT 3.53%	30 STORM CLEANOUT TOP: 1122.5 INV.: 1114.8	47 STORM CLEANOUT TOP: 1121.5 INV.: 1119.6
15 OMITTED	31 56 LF OF 10" TYPE S HDPE PIPE AT 1.05%	48 26 LF OF 10" TYPE S HDPE PIPE AT 1.0%
16 OMITTED	32 NYLOPLAST YARD DRAIN TOP: 1120.5 INV.: 1115.4	49 STORM CLEANOUT TOP: 1121.5 INV.: 1119.3
	33 41 LF OF 10" TYPE S HDPE PIPE AT 1.3%	50 38 LF OF 10" TYPE S HDPE PIPE AT 1.0%
		51 STORM CLEANOUT TOP: 1121.5 INV.: 1119.7

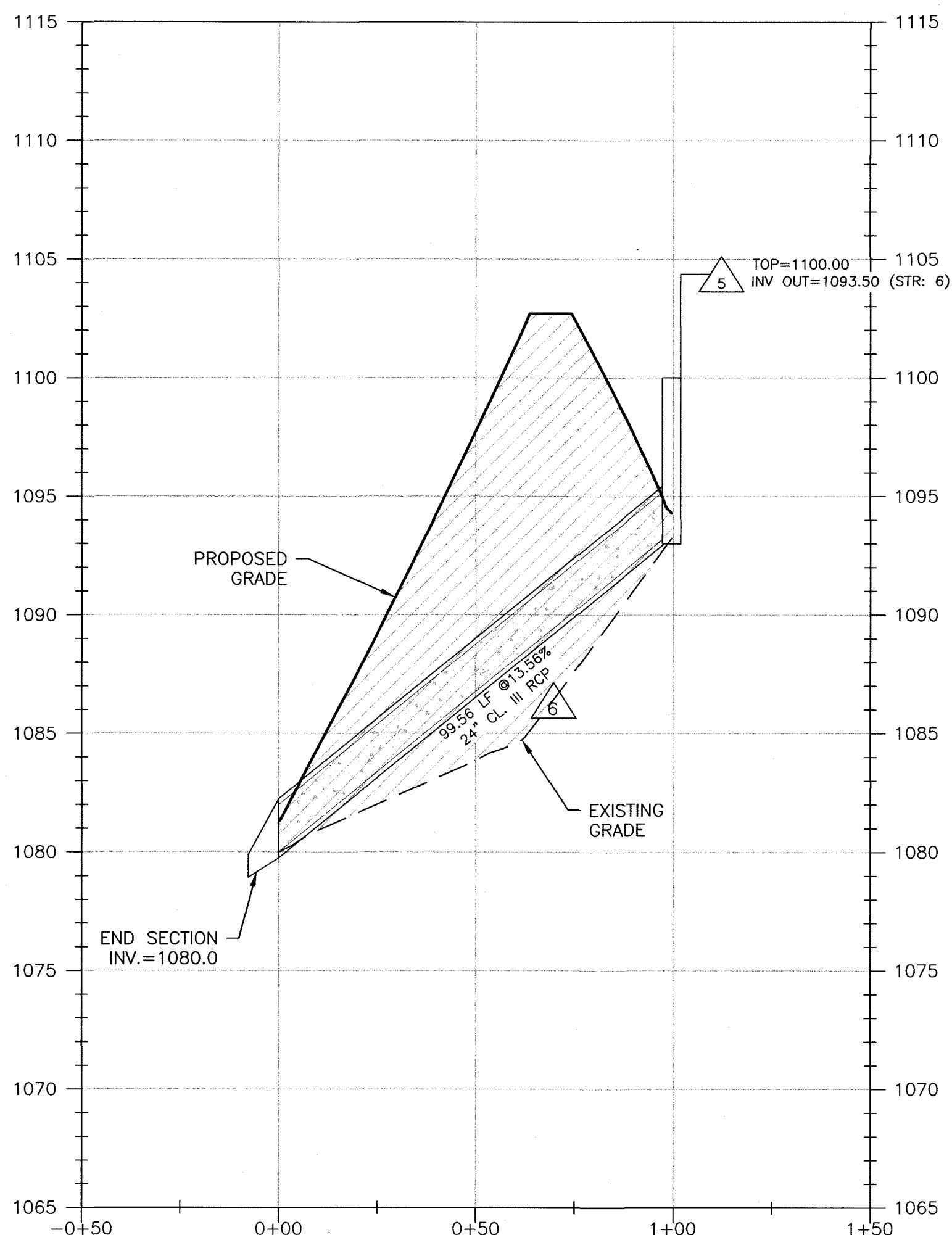
NOTES:
1. VDOT STD IS-1 INLET SHAPING
SHALL BE PROVIDED IN ALL
PROPOSED STRUCTURES
2. NON-SHRINK GROUT SHALL BE
USED FOR ALL STORM SEWER PIPE
CONNECTIONS.

SANITARY SEWER PROFILE



HORIZONTAL SCALE: 1" = 30'

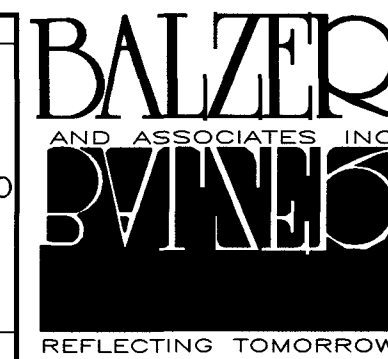
VERTICAL SCALE: 1" = 5'



SANITARY SEWER SCHEDULE:

BLDG (A) 16 LF OF 6" PVC SDR-35 AT 2.98%	
(A) S.S. CLEANOUT (PRIVATE - STANDARD TOP) TOP=1121.7 INV.=1117.5	
(A) (B) 15 LF OF 6" PVC SDR-35 AT 3.33%	
(B) S.S. CLEANOUT (PRIVATE - TRAFFIC-BEARING TOP) TOP=1121.08 INV.=1117.0	
(B) (B1) 100 LF OF 6" PVC SDR-35 AT 2.00%	
(B1) CLEANOUT (PRIVATE - STANDARD TOP) TOP=1120.38 INV.=1115.0	
(B1) (C) 100 LF OF 6" PVC SDR-35 AT 6.58%	
(C) S.S. SAMPLING MH - PRIVATE (STANDARD LID) TOP=1114.0 INV. IN=1108.42 INV. OUT=1108.32	
(C) (D) 20 LF OF 6" PVC SDR-35 AT 4.99%	
(D) S.S. MANHOLE - PUBLIC (STANDARD LID) INSIDE DROP M.H. (5' DIA.) TOP=1112.5 INV. IN=1107.3 INV. OUT=1105.3	
(D) (EX) 161 LF OF 8" PVC SDR-35 AT 0.50% - PUBLIC INV. OUT=1104.5 (EXIST. MANHOLE TO BE CORE DRILLED AS REQ'D)	

NOTES:
1. G.C. TO CONFIRM & COORDINATE ALL TIE IN LOCATIONS W/M.E.P.
& ARCH. DRAWINGS PRIOR TO ANY INTERIOR OR EXTERIOR S.S.
PIPE BEING INSTALLED. NOTIFY ENGINEER IMMEDIATELY IF
DISCREPANCIES ARE DISCOVERED PRIOR TO ANY CONSTRUCTION
2. NONMETALLIC SANITARY SEWER PIPING REQUIRES
A TRACER WIRE MINIMUM 18 AWG INSULATED COPPER
WIRE SUITABLE FOR DIRECT BURIAL OR EQUIVALENT
(PER 2012 VIRGINIA PLUMBING CODE SECTION 703.6)



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Balzer and Associates, Inc.

1208 Corporate Circle

Roanoke, VA 24018

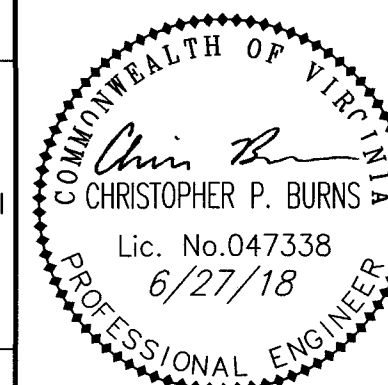
540-772-9580

FAX 540-772-8050

City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN

APPROVED

by Adrian Gilbert 07/16/2018



COMMUNICATIONS CENTER
0 BLUE HILLS CIRCLE NE
STORM & SANITARY SEWER PROFILES
CITY OF ROANOKE, VIRGINIA

DRAWN BY EJP
DESIGNED BY CPB
CHECKED BY CPB
DATE 5/30/2018
SCALE N/A

REVISIONS:
6/27/2018

SHEET NO.

C12

JOB NO. 03170040.00