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SOUTHERN TEAM HYUNDAI

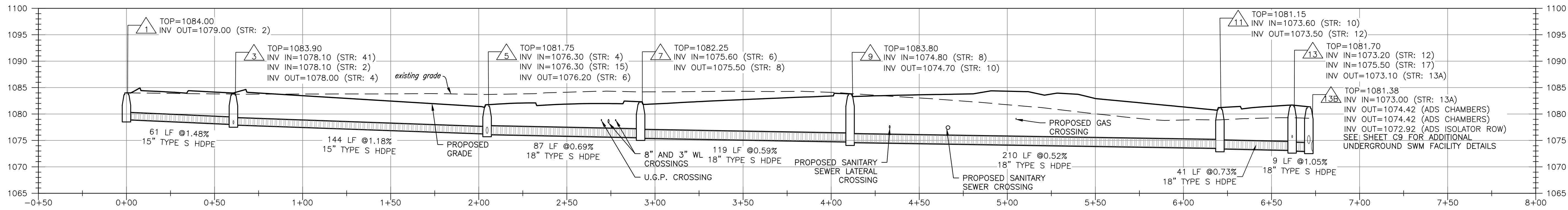
UTILITY PROFILES I

730 WILLIAMSON ROAD
ROANOKE COUNTY, VIRGINIA

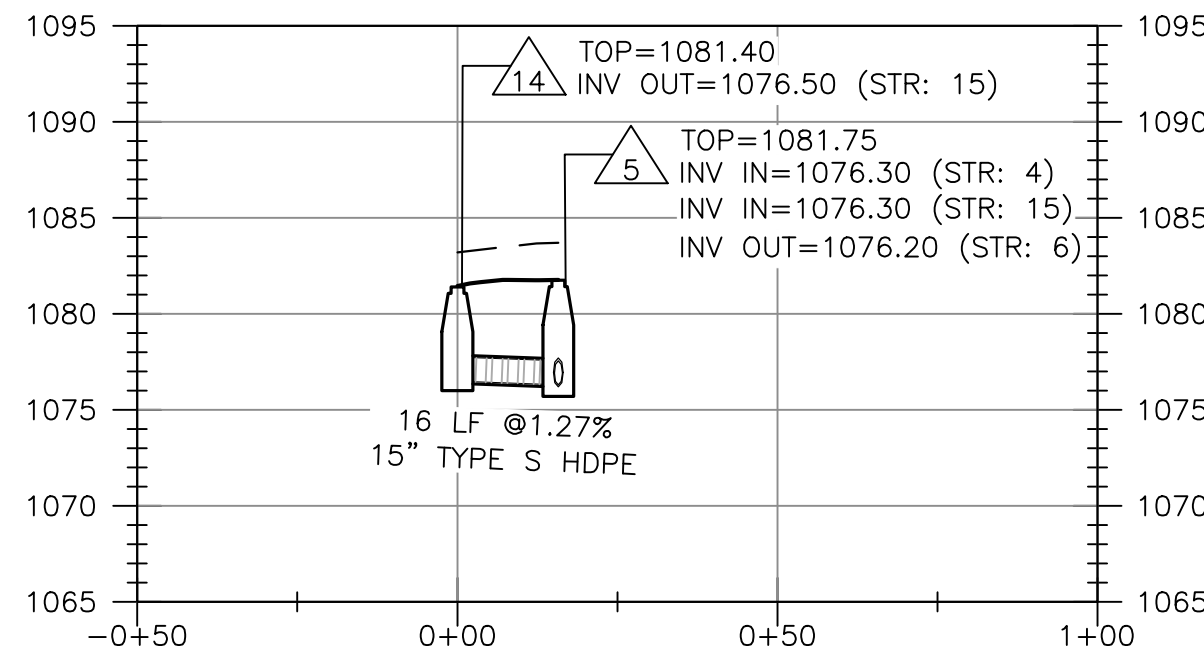
DRAWN BY KAM
DESIGNED BY BTC
CHECKED BY BTC
DATE 5/16/2022
SCALE AS SHOWN
REVISIONS
6/28/2022

C8.1
PROJECT NO. 04220008.00

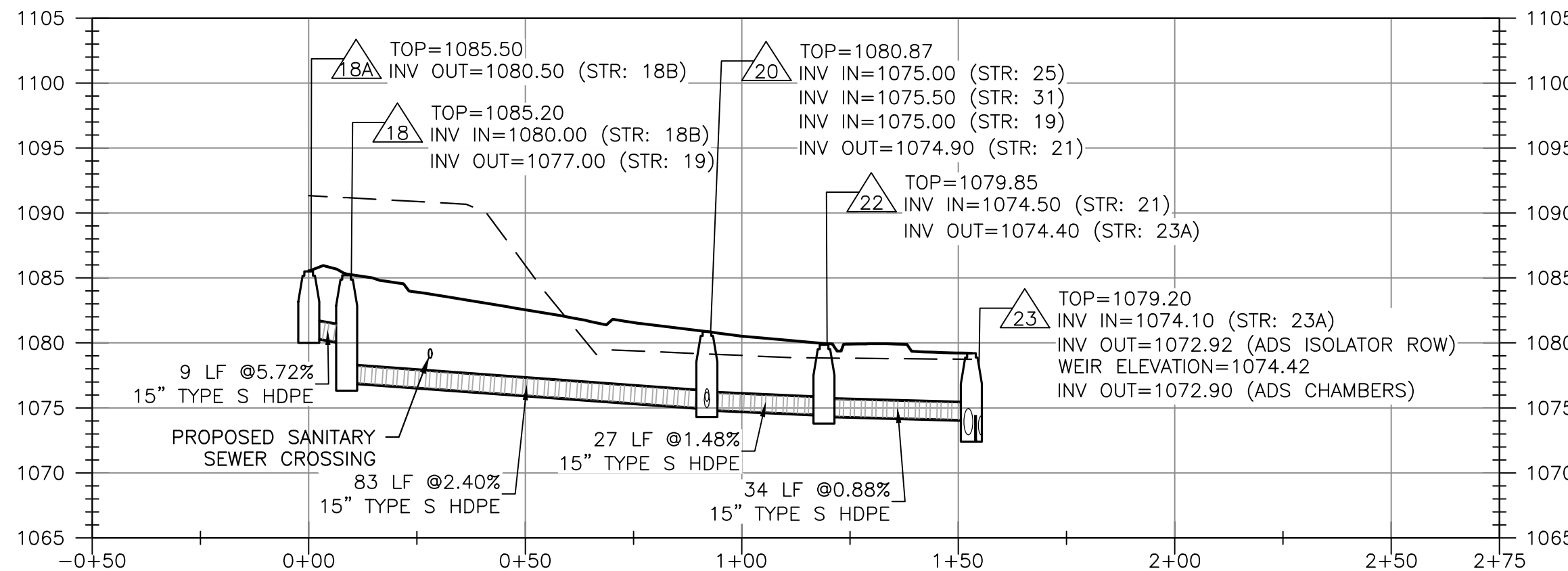
PROPOSED STORM 1-13B PROFILE



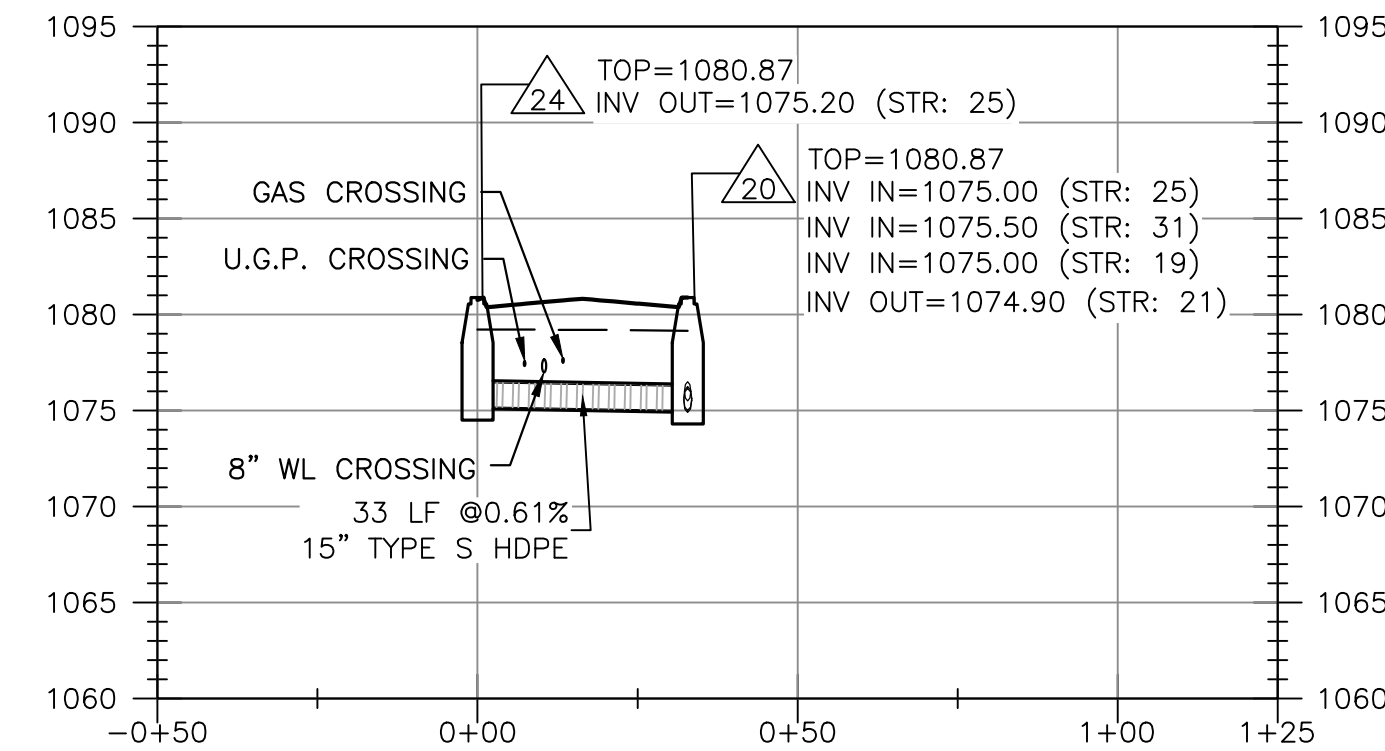
PROPOSED STORM 14-5 PROFILE



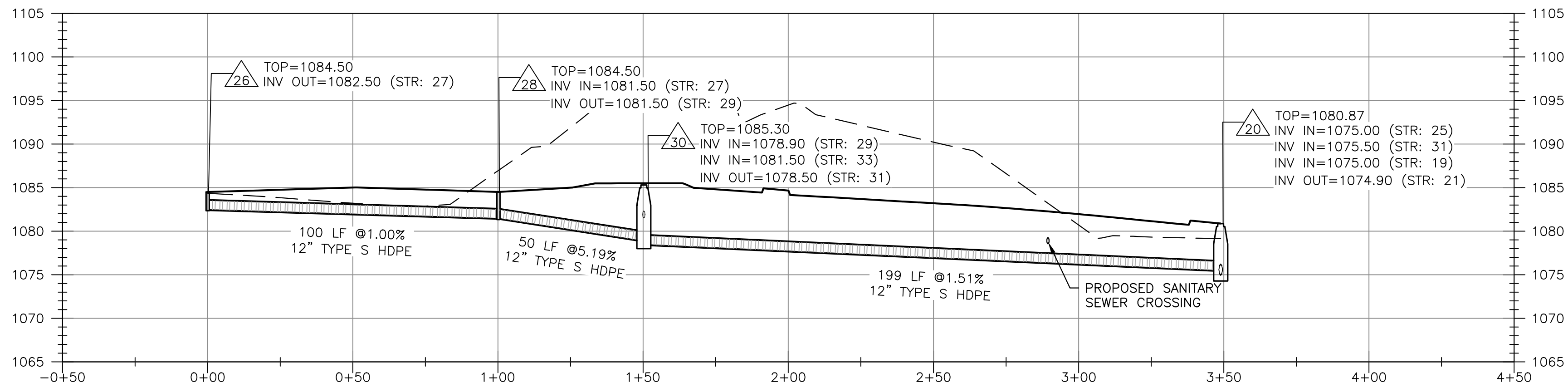
PROPOSED STORM 18A-23A PROFILE



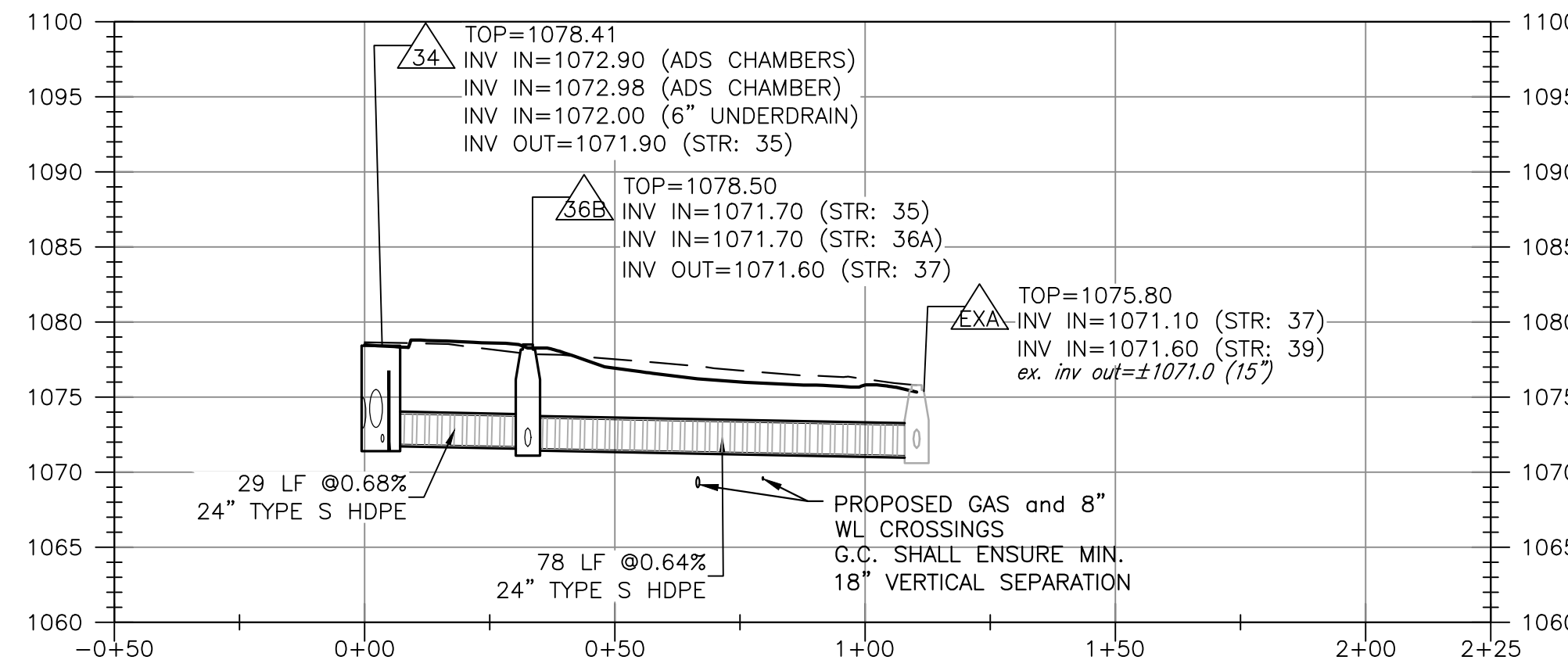
PROPOSED STORM 24-20 PROFILE



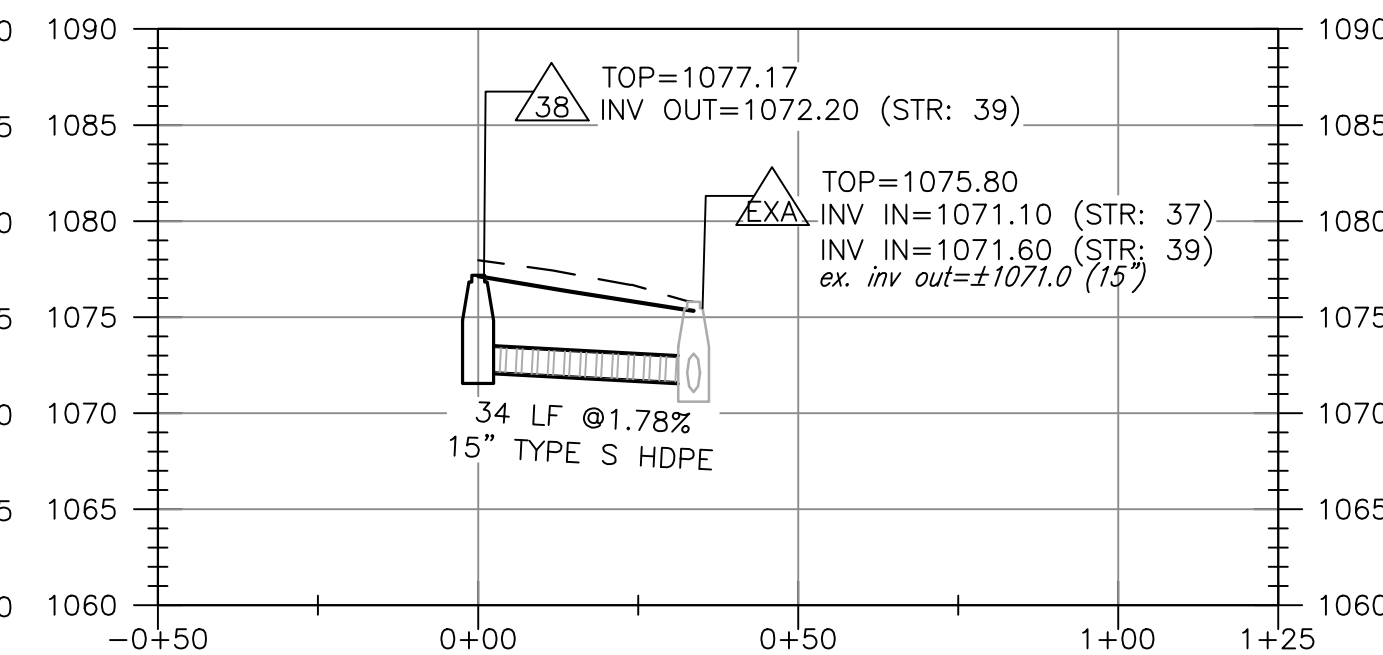
PROPOSED STORM 26-20 PROFILE



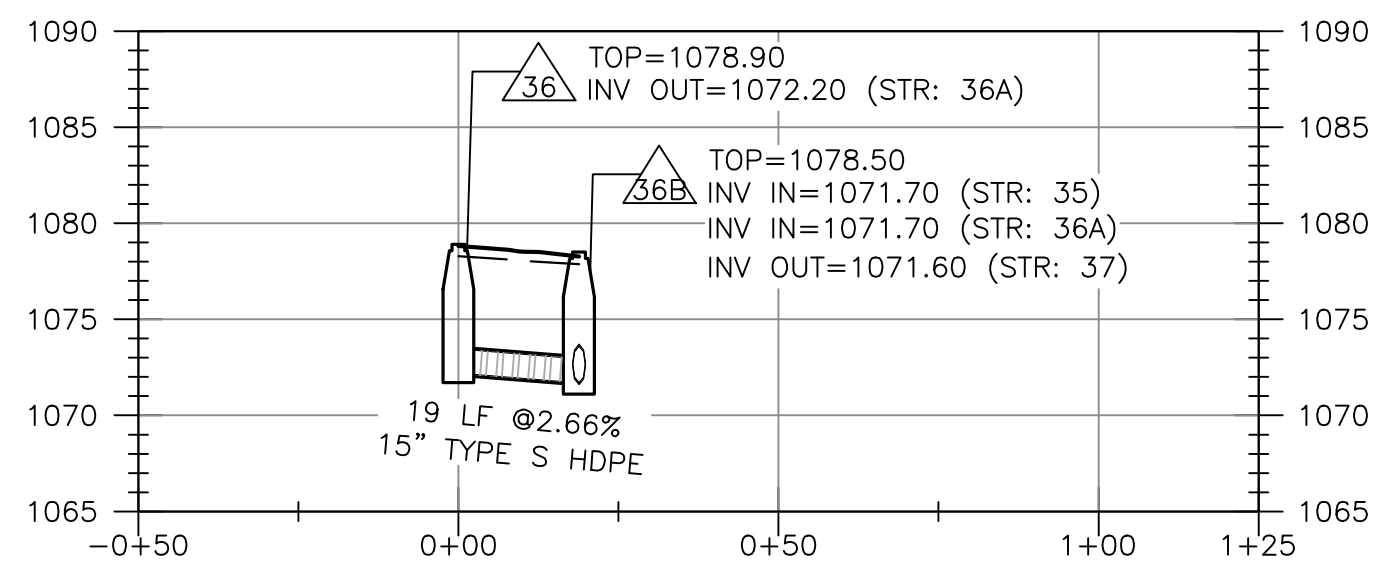
PROPOSED STORM 34-EXA PROFILE



PROPOSED STORM 38-EXA PROFILE



PROPOSED STORM 36-36B PROFILE



STORM SCHEDULE												
STR	TYPE		NOSE	TOP ELEV.	HEIGHT	LENGTH	DIAMETER	MATERIAL	SLOPE	INV. IN	INV. OUT	COMMENTS
1	DI-1			1084.00	5.00							IS-1, ST-1
2						60.71	15"	HDPE (TYPE S)	1.48%	1079.00	1078.10	
3	DI-3C	TYPE B		1083.90	5.90	8.00						IS-1, ST-1
4						144.00	15"	HDPE (TYPE S)	1.18%	1078.00	1076.30	
5	DI-3C	TYPE B		1081.75	5.55	10.00						IS-1, ST-1
6						87.13	18"	HDPE (TYPE S)	0.69%	1076.20	1075.60	
7	DI-3C	TYPE B		1082.25	6.75	6.00						IS-1, ST-1
8						118.92	18"	HDPE (TYPE S)	0.59%	1075.50	1074.80	
9	DI-3CC	TYPE B		1083.80	9.10	6.00						IS-1, ST-1
10						209.93	18"	HDPE (TYPE S)	0.52%	1074.70	1073.60	
11	DI-3C	TYPE B		1081.15	7.65	6.00						IS-1, ST-1
12						41.00	18"	HDPE (TYPE S)	0.73%	1073.50	1073.20	
13	48" MH-2			1081.70	8.60							IS-1, ST-1
13A						9.49	18"	HDPE (TYPE S)	1.05%	1073.10	1073.00	
13B	48" MH-2			1081.38	8.38							ST-1
14	DI-3C	TYPE B		1081.40	4.90	6.00						IS-1, ST-1
15						15.77	15"	HDPE (TYPE S)	1.27%	1076.50	1076.30	
16	CLEARDUT			1084.87	7.87							TRAFFIC BEARING TOP, IS-1
17						82.54	6"	HDPE (TYPE S)	1.82%	1077.00	1075.50	
18	DI-3BB	TYPE B		1085.20	8.20	6.00						IS-1, ST-1
18A	DI-1			1085.50	5.00							IS-1, ST-1
18B						8.74	15"	HDPE (TYPE S)	5.72%	1080.50	1080.00	
19						83.21	15"	HDPE (TYPE S)	2.40%	1077.00	1075.00	
20	DI-3B	TYPE B		1080.87	5.97	6.00						IS-1, ST-1
21						27.04	15"	HDPE (TYPE S)	1.48%	1074.90	1074.50	
22	DI-3C	TYPE B		1079.85	5.45	6.00						IS-1, ST-1
23						1079.20	5.10					
23A	48" MH-2			1081.70	8.60	34.05	15"	HDPE (TYPE S)	0.88%	1074.40	1074.10	
24	DI-3B	TYPE B		1080.87	5.67	6.00						IS-1, ST-1
25						32.83	15"	HDPE (TYPE S)	0.61%	1075.20	1075.00	
26	12" NYLOPLAST DRAIN BASIN			1084.50	2.00							12" NYLOPLAST INLET, IS-1
27						100.14	12"	HDPE (TYPE S)	1.00%	1082.50	1081.50	
28	12" NYLOPLAST DRAIN BASIN			1084.50	3.00							12" NYLOPLAST INLET, IS-1
29						50.10	12"	HDPE (TYPE S)	5.19%	1081.50	1078.90	
30	48" MH-1			1085.30	6.80							ST-1
31						138.70	12"	HDPE (TYPE S)	1.51%	1078.50	1075.50	
32	CLEARDUT			1085.21	2.86							TRAFFIC BEARING TOP, IS-1
33						14.12	10"	HDPE (TYPE S)	5.31%	1082.25	1081.50	
34	SEE DETAIL SHEET C9											IS-1
35						29.36	24"	HDPE (TYPE S)	0.68%	1071.90	1071.70	
36	DI-3C	TYPE B		1078.90	6.70	6.00						IS-1, ST-1
36A						18.82	15"	HDPE (TYPE S)	2.66%	1072.20	1071.70	
36B	48" MH-2			1078.50	6.90							IS-1, ST-1
37						77.67	24"	HDPE (TYPE S)	0.64%	1071.60	1071.10	
38	DI-3B	TYPE B		1077.17	4.97	6.00						IS-1, ST-1
39						33.67	15"	HDPE (TYPE S)	1.78%	1072.20	1071.60	
40	48" MH-2			1085.40	5.90							TRAFFIC BEARING TOP, IS-1, ST-1
41						103.70	8"	HDPE (TYPE S)	1.35%	1079.50	1078.10	
EXA				1075.80	4.70							

NOTES:

1. VDOT STD IS-1 INLET SHOPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES
2. NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS
3. EXCAVATE TRENCHES TO UNIFORM WIDTH CONFORMING TO VDOT STANDARD PB-1 DETAIL FOR STORM DRAINAGE PIPING.

**NOTE: #57 AGGREGATE IS NOT AN ALLOWABLE BACKFILL OR PIPE BEDDING MATERIAL **

