SEE PIPE GRATE DETAIL FOR ENDWALL PLACEMENT AND CULVERT LENGTH INFORMATION

PROVIDE INLET SUMP. SEE STORM SEWER TABLE

WB CTH PD (MCKEE ROAD)

EB CTH PD (MCKEE ROAD)

COMMERCE PARK DRIVE

PROVIDE OPENING FOR CULVERT PIPE TEMPORARY 24-INCH (SEE STAGING PLANS)

MATCHLINE STA. 19+00 PD

LEGEND

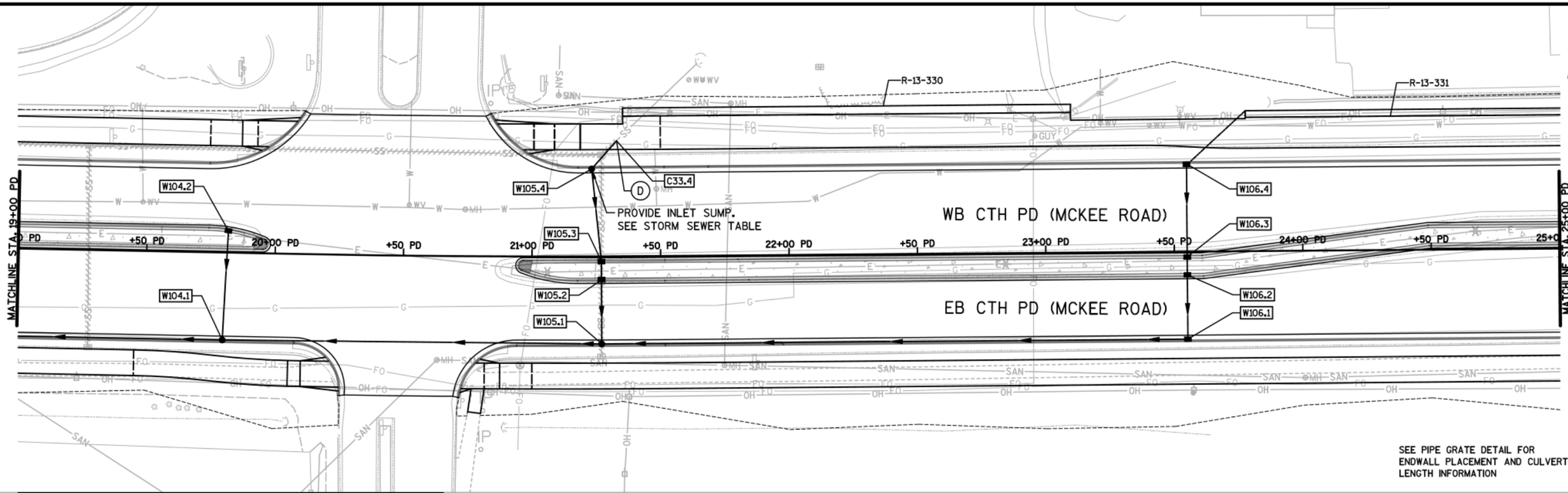
- (A) ADJUSTING MANHOLE COVERS
- (B) STORM SEWER TAP
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PROPOSED EASTBOUND PROFILE (EB)

RIM 1004.34 — RIM 1004.60 — RIM 1005.24 — RIM 1006.70 — RIM 1007.97

9' - 30" SSPRC @ 0.44% — 999.58± — 999.62 — 26' - 30" SSPRC @ 0.42% — 999.73 — 28' - 30" SSPRC @ 0.33% — 999.83 — 134' - 24" SSPRC @ 0.40% — 1000.37 — 145' - 24" SSPRC @ 1.00% — 1001.82 — 1002.57 — 160' - 15" SSPRC @ 2.50%

PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD) (EB AND WB)	SHEET	E



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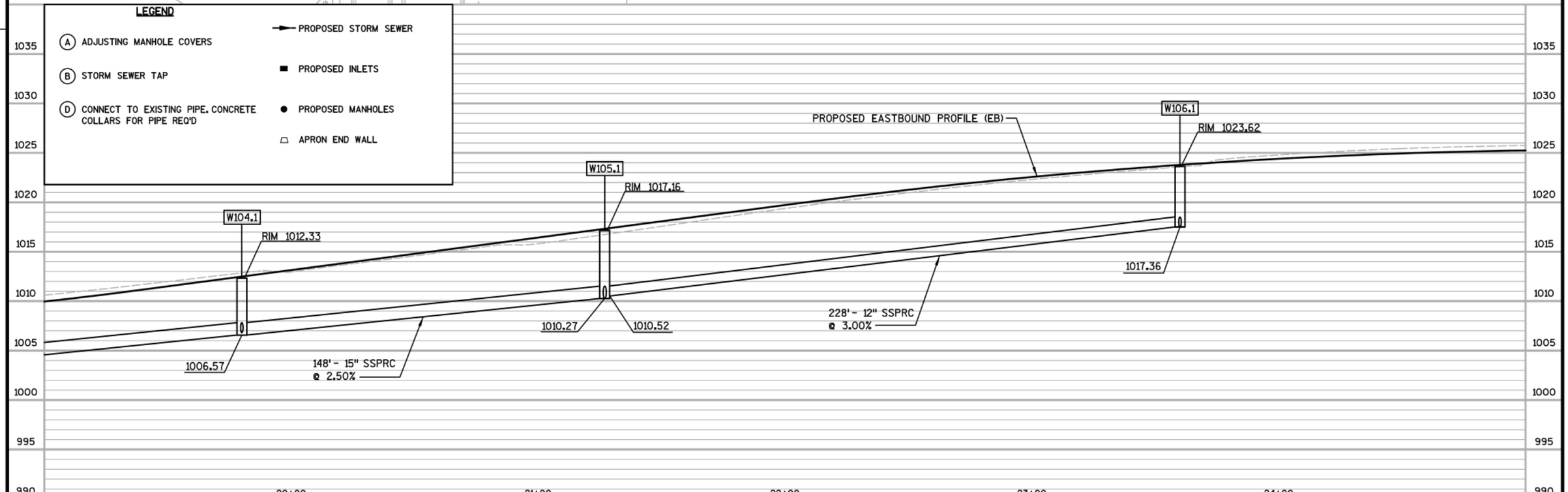
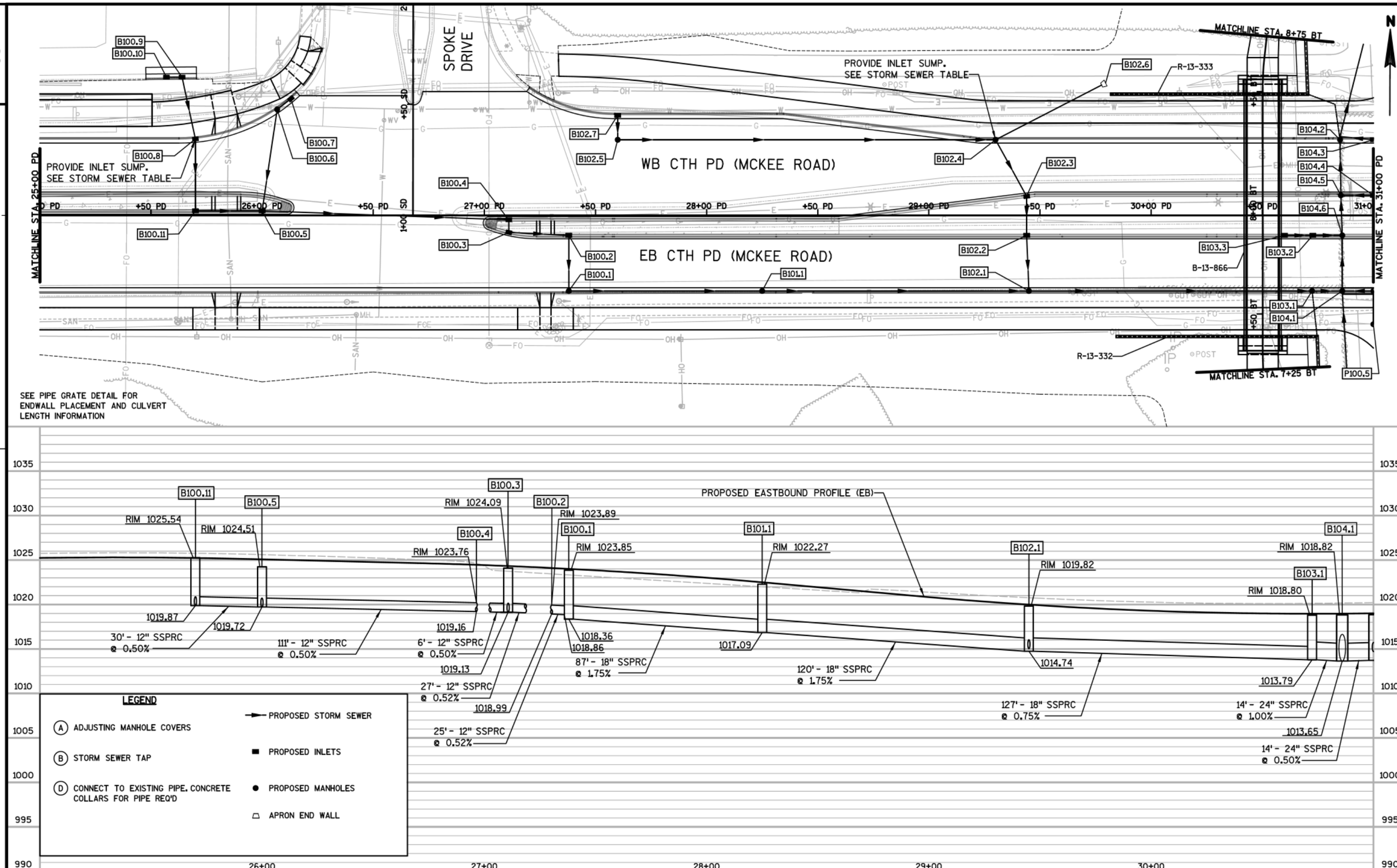
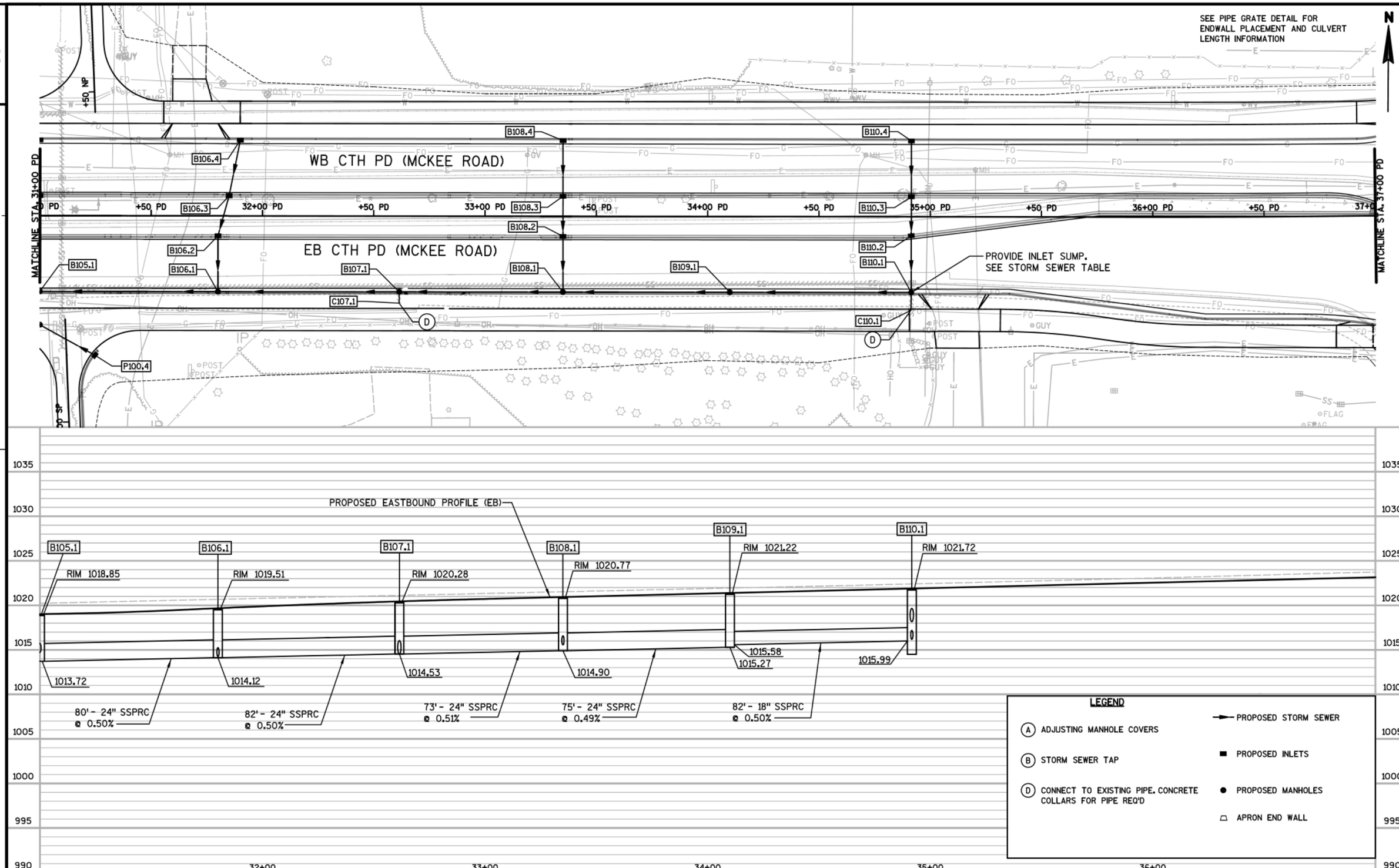


PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD) (EB AND WB)	SHEET	E



PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD) (EB AND WB)	SHEET	E



PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD)(EB AND WB)	SHEET	E

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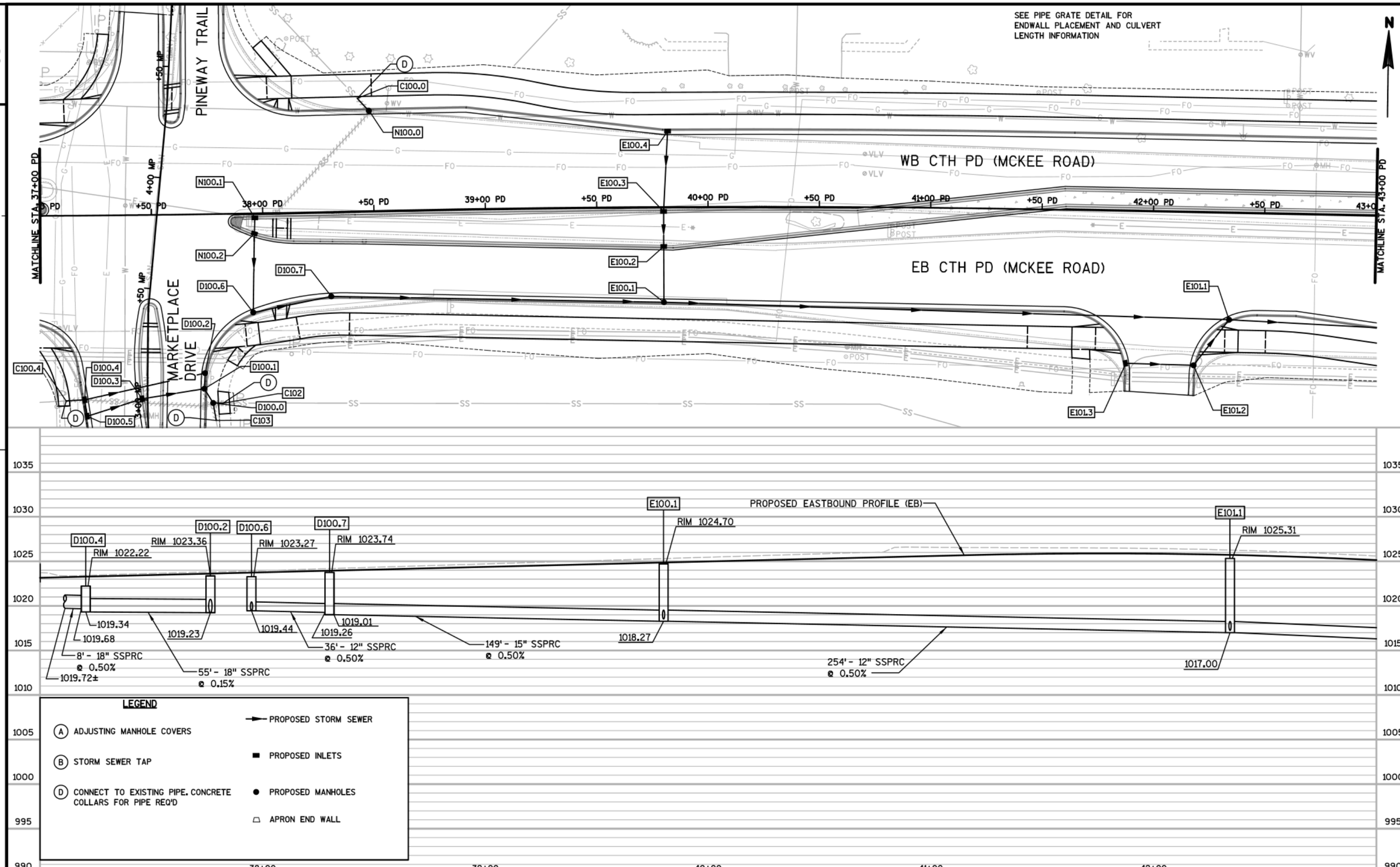

PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD)(EB AND WB)	SHEET	E

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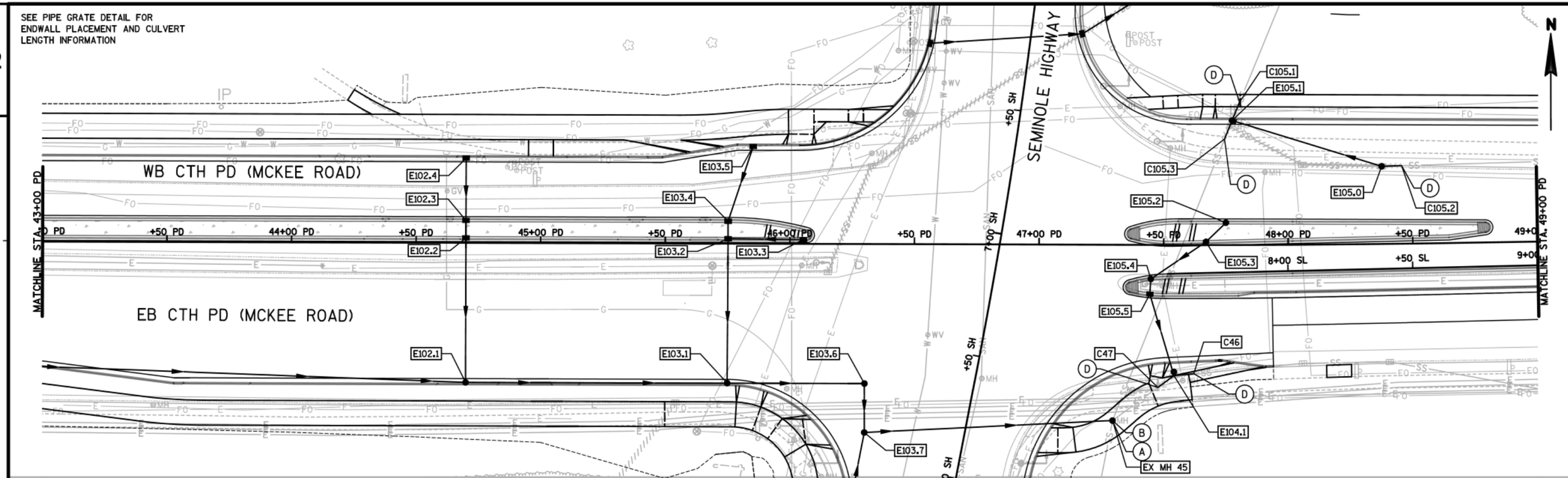
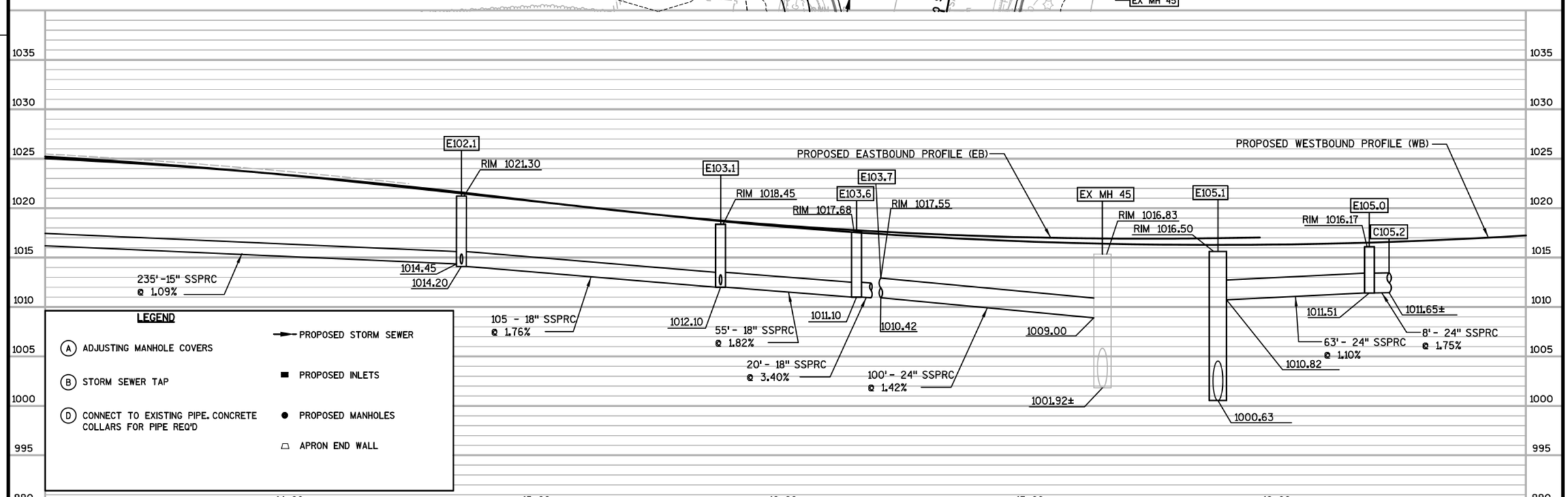
SEE PIPE GRATE DETAIL FOR
ENDWALL PLACEMENT AND CULVERT
LENGTH INFORMATION





LEGEND

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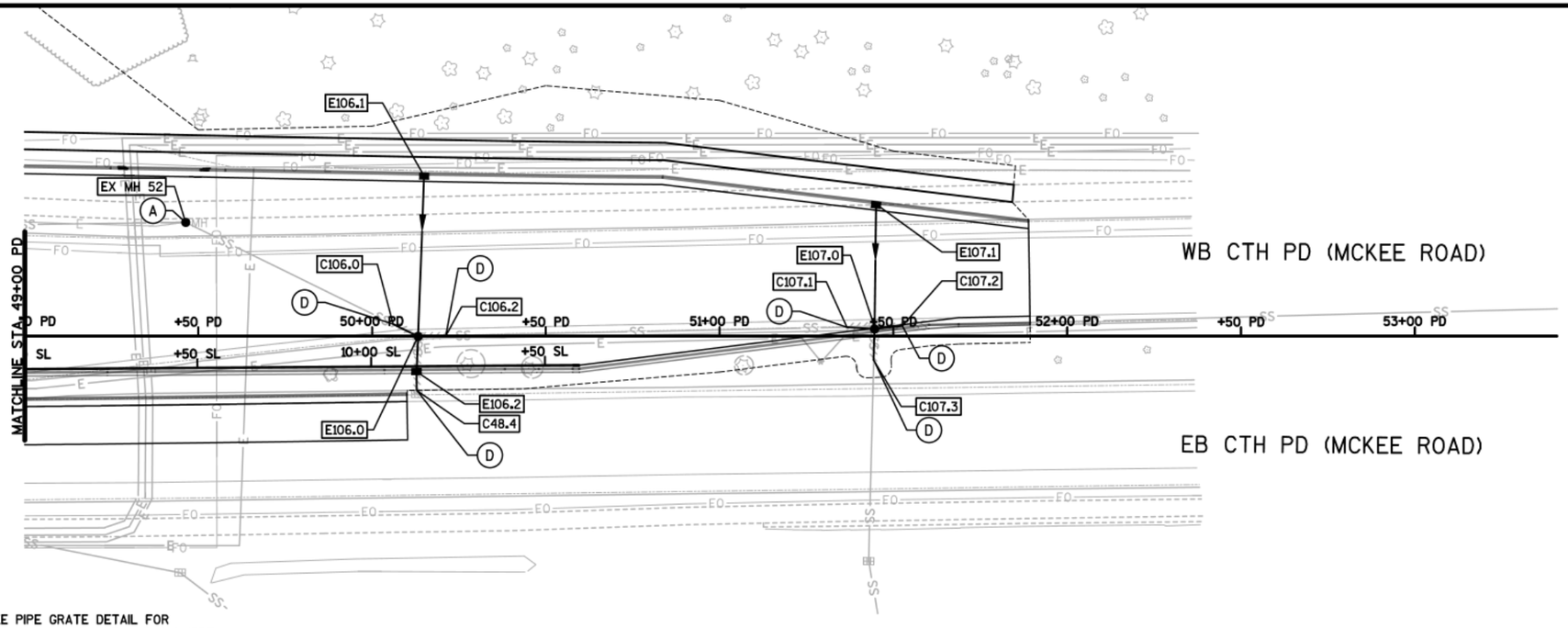
PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD) (EB AND WB)	SHEET	E



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ENDWALL PLACEMENT AND CULVERT
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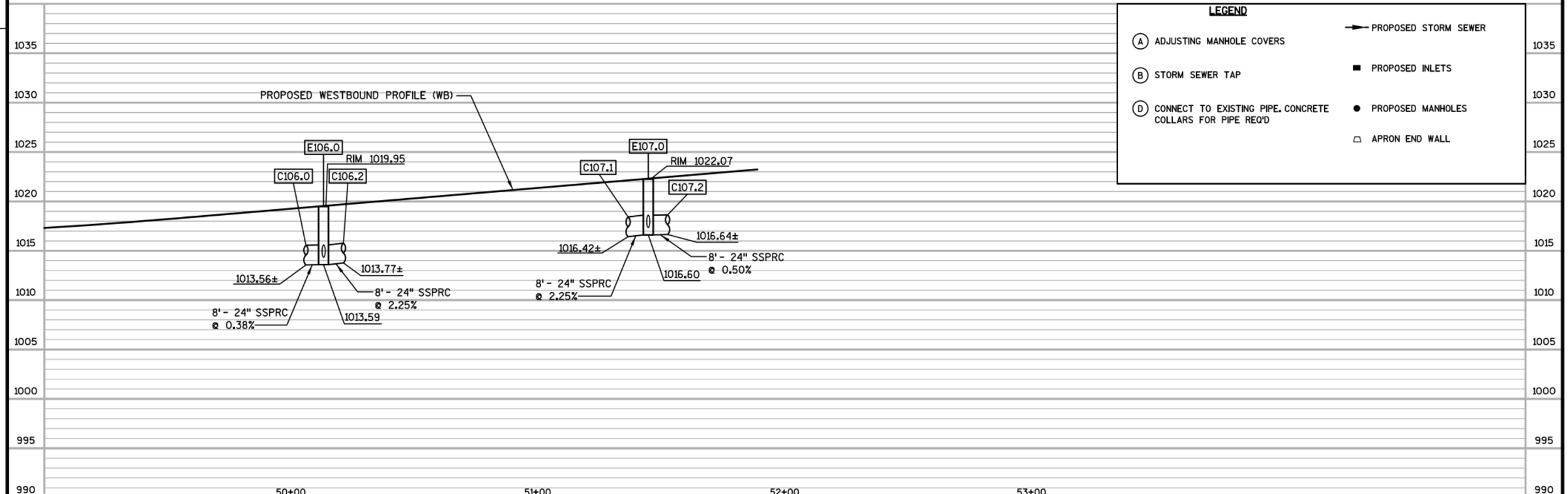
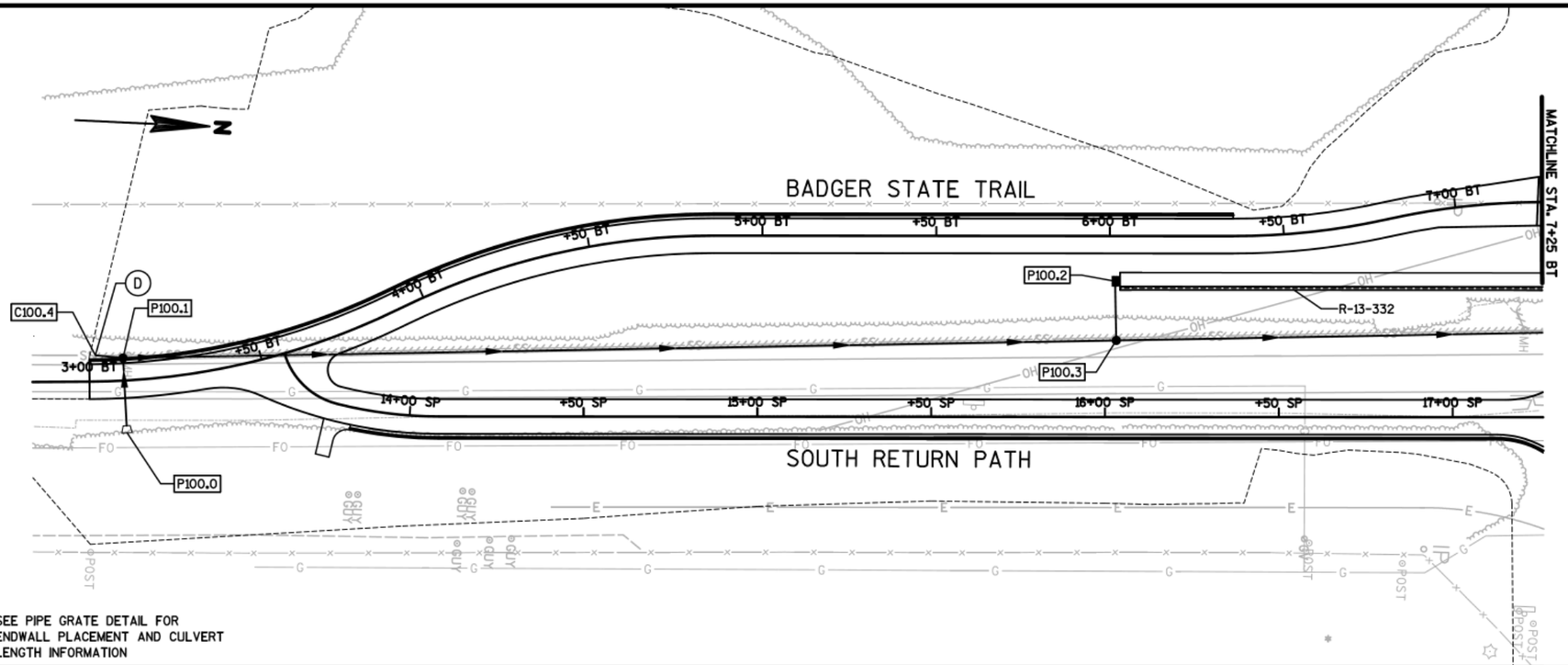


PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - CTH PD (MCKEE ROAD) (EB AND WB)	SHEET	E



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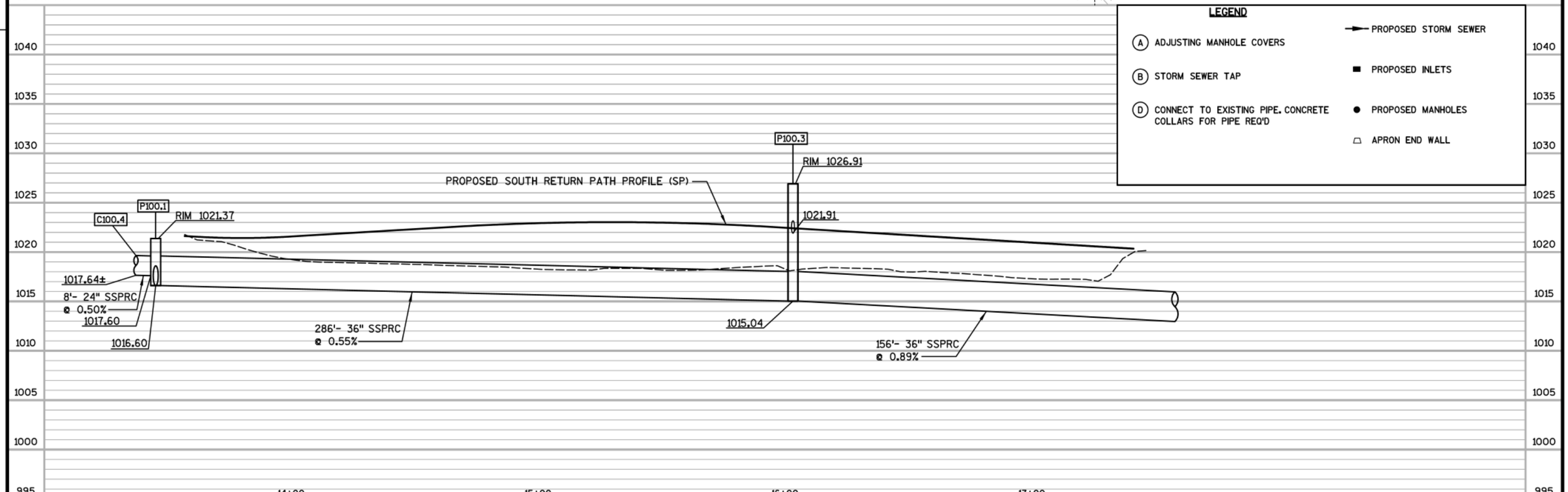
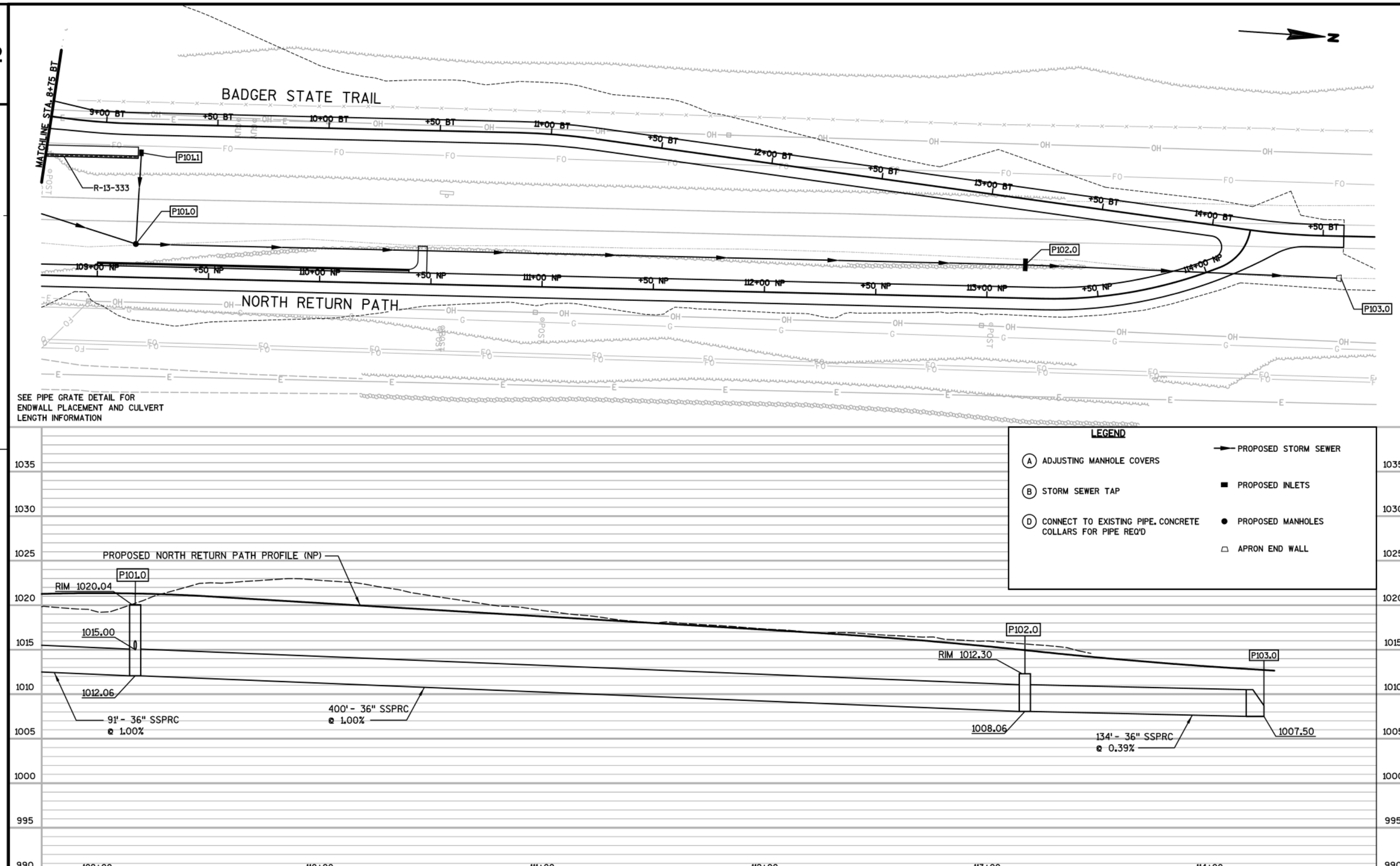


PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - BADGER STATE TRAIL (BT)	SHEET	E



PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - BADGER STATE TRAIL (BT)	SHEET	E

FILE NAME : S:\MAD\1200--1299\1275\027\Micros\PLAN\022509_ss.dgn PLOT DATE : 7/25/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

2

CONNECT TO EXISTING 8-IN PVC PIPE

C-SH1.2

SH1.2

SH2.2

SH1.1

SH2.1

SH3.3

SH3.1

SH3.2

EB CTH PD (MCKEE ROAD)

WB CTH PD (MCKEE ROAD)

+50 PD

47+00 PD

SEMINOLE HIGHWAY

MATCHLINE STA. 9+00 SH

SH +50 SH 4+00 SH +50 SH 5+00 SH +50 SH 6+00 SH +50 SH 7+00 SH +50 SH 8+00 SH +50 SH 9+00

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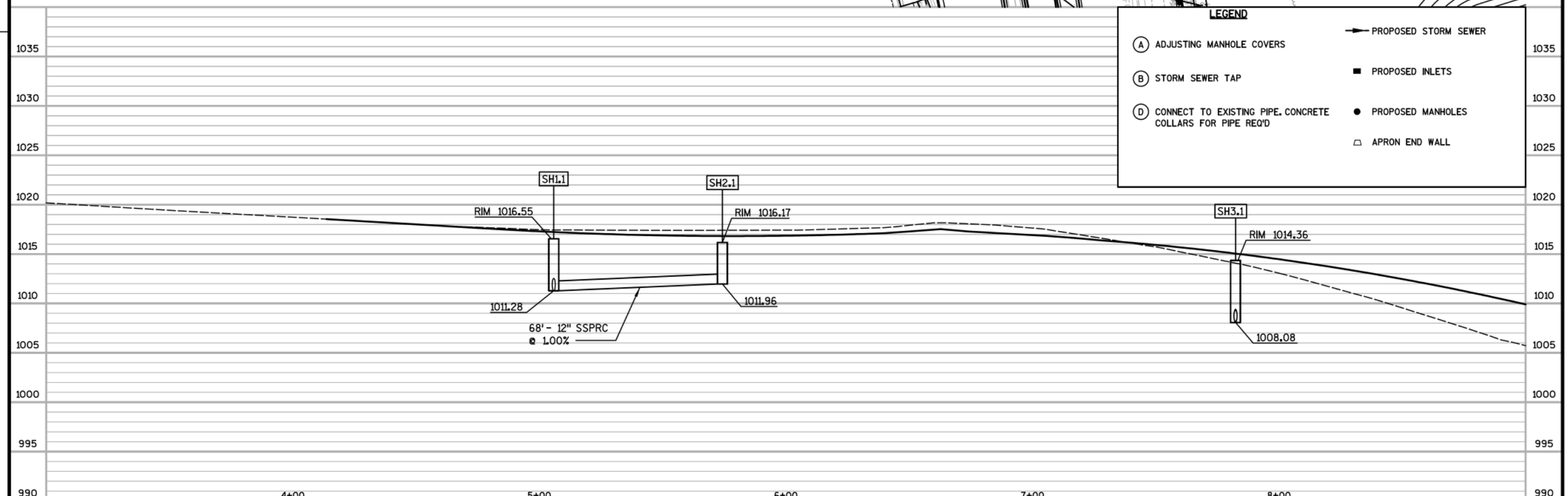
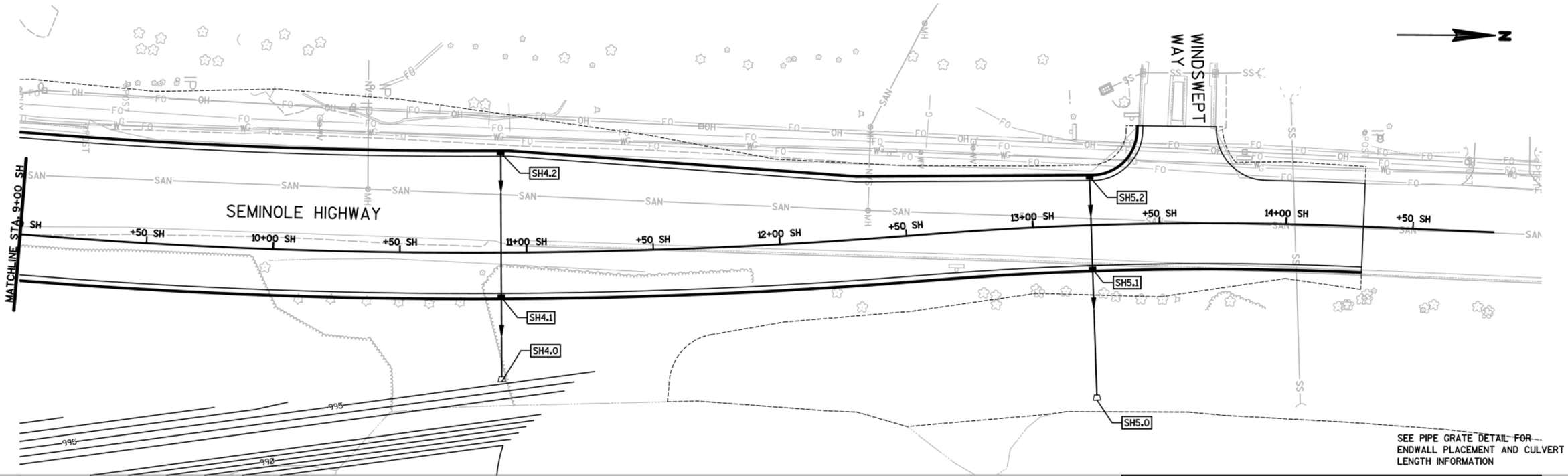


PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - SEMINOLE HIGHWAY (SH)	SHEET	E

2



SEE PIPE GRATE DETAIL FOR ENDWALL PLACEMENT AND CULVERT LENGTH INFORMATION

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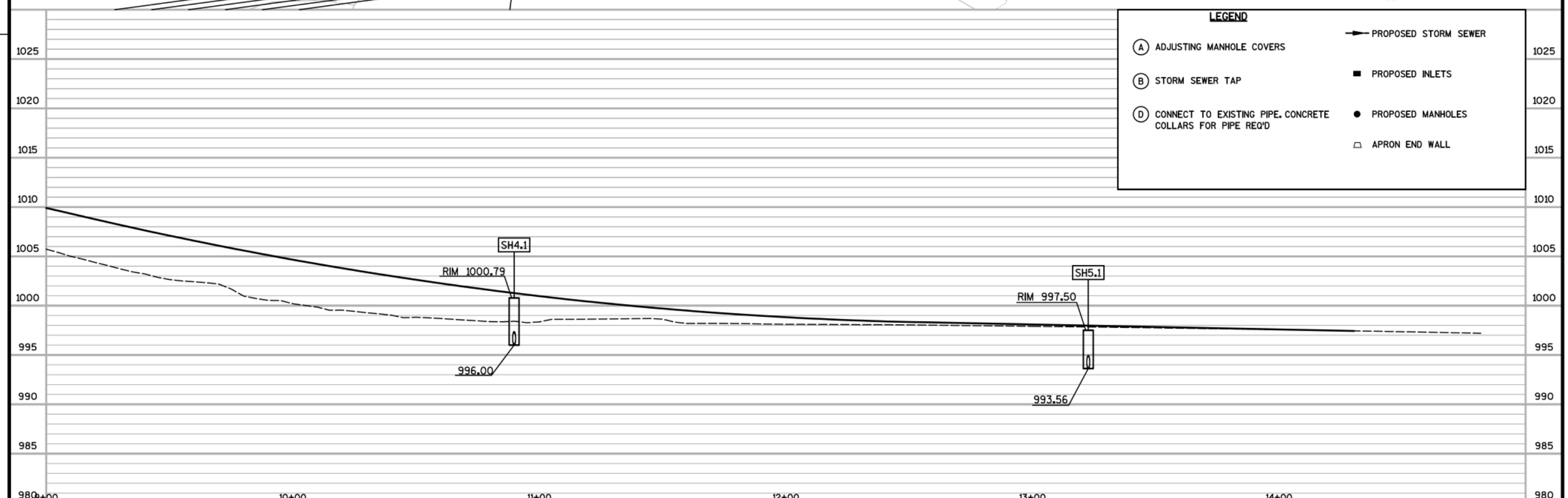

PROJECT NO:5849-02-02	HWY:CTH PD	COUNTY:DANE	STORM SEWER - SEMINOLE HIGHWAY (SH)	SHEET	E

2

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS	PIPE CUTOUTS FOR UNDERDRAIN
C27	14+87.53 PD	54.7 RT	-	EX. CONST	-	-	-	-	-	-	-	30	999.58	-	-	-	CONNECT TO EXISTIG PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
W100	14+96.18 PD	54.6 RT	9	C27	-	H	5-FT	-	1004.19	1003.36	3.74	30	999.62	999.58	9	0.44%		+2
W100.0	2+92.65 CP	53.3 RT	70	W101	MEDIAN-1 GRATE	MS	-	-	-	-	-	12	1000.25	999.73	70	0.74%	PROVIDE FIELD CORED OPENINGS; SEE CONSTRUCTION DETAILS	---
W101	15+28.62 PD	54.7 RT	26	W100	-	-	7-FT	J-S	1004.60	1003.35	3.62	30	999.73	999.62	26	0.42%		---
W101.0	15+51.10 PD	75.6 RT	32	W101	-	-	-	-	-	-	-	24	1000.50	999.73	32	2.03%	APRON ENDWALLS FOR CPRC 24-INCH REQ'D	---
W101.1	15+42.00 PD	38.9 RT	28	W101	-	H	4-FT	-	1005.24	1004.41	4.58	30	999.83	999.73	28	0.36%	FLAT TOP SLAB REQ'D	+2
W101.2	15+39.00 PD	9.1 RT	30	W101.1	2X3	H	-	-	1005.31	1004.48	4.30	15	1000.18	1000.06	30	0.40%		+2
W101.3	15+39.00 PD	2.1 RT	7	W101.2	2X3	H	-	-	1004.98	1004.15	3.94	15	1000.21	1000.18	7	0.43%		+2
W101.4	15+31.78 PD	45.0 LT	37	W101.7	2X3	H	-	-	1004.96	1004.13	5.21	15	1000.42	1000.27	37	0.41%		+2
W101.6	15+07.00 PD	45.0 LT	31	W101.4	2X3	H	-	-	1004.70	1003.87	3.31	12	1000.56	1000.42	31	0.45%		+2
W101.5	14+98.61 PD	73.9 LT	24	W101.6	-	-	-	-	-	-	-	12	1002.50	1000.56	24	8.08%	APRON ENDWALLS FOR CPRC 12-INCH REQ'D	---
W101.7	15+32.29 PD	8.5 LT	13	W101.3	-	-	4-FT	J-S	1005.32	1004.07	3.80	12	1000.27	1000.21	13	0.46%		---
W102	16+75.00 PD	27.0 RT	134	W101.1	-	-	4-FT	J-S	1006.70	1005.45	5.08	24	1000.37	999.83	134	0.40%		---
W102.1	16+75.00 PD	34.0 RT	7	W102	2X3	H	-	-	1006.37	1005.54	4.04	12	1001.50	1001.37	7	1.86%		+2
W102.2	16+75.00 PD	9.0 RT	18	W102	2X3	H	-	-	1006.37	1005.54	3.81	12	1001.73	1001.37	18	2.00%		+2
W102.3	16+75.00 PD	2.0 RT	7	W102.2	2X3	H	-	-	1006.26	1005.43	3.66	12	1001.77	1001.73	7	0.57%		+2
W102.4	16+80.00 PD	34.0 LT	36	W102.3	2X3	H	-	-	1006.51	1005.68	3.73	12	1001.95	1001.77	36	0.50%		+2
W103.1	18+20.00 PD	34.0 RT	145	W102	-	H	4-FT	-	1007.91	1007.08	5.26	24	1001.82	1000.37	145	1.00%	FLAT TOP SLAB REQ'D	+2
W103.2	18+20.00 PD	4.3 RT	29	W103.1	2X3	H	-	-	1007.69	1006.86	3.15	12	1003.71	1002.82	29	3.07%		+2
W103.3	18+20.00 PD	2.7 LT	8	W103.2	2X3	H	-	-	1008.37	1007.54	3.79	12	1003.75	1003.71	8	0.50%		+2
W103.4	18+20.00 PD	34.0 LT	31	W103.3	2X3	H	-	-	1008.47	1007.64	3.74	12	1003.90	1003.75	31	0.48%		+2
W104.1	19+80.00 PD	34.0 RT	160	W103.1	-	H	4-FT	-	1012.27	1011.44	4.87	15	1006.57	1002.57	160	2.50%	FLAT TOP SLAB REQ'D	+2
W104.2	19+81.65 PD	8.5 LT	43	W104.1	2X3	H-S	-	-	1012.17	1011.34	3.74	12	1007.60	1006.82	43	1.81%		+2
W105.1	21+27.00 PD	34.0 RT	148	W104.1	-	H	4-FT	-	1017.10	1016.27	6.00	15	1010.27	1006.57	148	2.50%	FLAT TOP SLAB REQ'D	+2
W105.2	21+27.00 PD	9.0 RT	25	W105.1	2X3	H	-	-	1017.10	1016.27	5.23	15	1011.04	1010.52	25	2.08%		+2
W105.3	21+27.00 PD	2.0 RT	7	W105.2	2X3	H	-	-	1016.51	1015.68	4.60	12	1011.08	1011.04	7	0.57%		+2
W105.4	21+23.26 PD	34.0 LT	36	W105.3	-	H	4-FT	-	1016.33	1015.50	5.75	12	1011.25	1011.08	36	0.47%	FLAT TOP SLAB REQ'D	+2
C33.4	21+33.05 PD	45.0 LT	15	W105.4	-	-	-	-	-	-	-	12	1012.42	1011.32	15	7.33%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
W106.1	23+55.00 PD	34.0 RT	228	W105.1	2X3	H	-	-	1023.47	1022.64	5.28	12	1017.36	1010.52	228	3.00%		+2
W106.2	23+55.00 PD	9.0 RT	25	W106.1	2X3	H	-	-	1023.47	1022.64	3.86	12	1018.78	1017.36	25	5.68%		+2
W106.3	23+55.00 PD	2.0 RT	7	W106.2	2X3	H	-	-	1023.25	1022.42	3.60	12	1018.82	1018.78	7	0.57%		+2
W106.4	23+55.00 PD	34.0 LT	36	W106.3	2X3	H	-	-	1023.45	1022.62	3.62	12	1019.00	1018.82	36	0.50%		+2
B100.11	25+70.02 PD	2.0 LT	30	B100.5	2X3	H	-	-	1024.90	1024.07	4.20	12	1019.87	1019.72	30	0.50%		+2
B100.10	25+56.97 PD	62.1 LT	7	B100.9	2X3	H-S	-	-	1028.92	1028.09	7.22	12	1020.87	1020.84	7	0.43%		---
B100.9	25+63.97 PD	62.2 LT	29	B100.8	2X3	H-S	-	-	1028.86	1028.03	6.19	12	1021.84	1020.03	29	6.24%		---
B100.8	25+70.00 PD	34.4 LT	32	B100.11	2X3		-	-	1025.10	1024.27	5.74	12	1020.03	1019.87	32	0.50%	SALVAGED INLET COVERS REQ'D; FLAT TOP SLAB REQ'D	+2
B100.7	26+12.97 PD	52.5 LT	8	B100.6	2X3	H-S	-	-	1024.70	1023.87	3.60	12	1020.27	1020.23	8	0.50%		+1
B100.6	26+06.79 PD	47.6 LT	46	B100.5	-	H-S	4-FT	-	1024.77	1023.94	3.71	12	1020.23	1019.72	46	1.11%	FLAT TOP SLAB REQ'D	+1
B100.5	26+00.00 PD	2.0 LT	111	B100.4	2X3	H-S	-	-	1024.75	1023.92	4.20	12	1019.72	1019.16	111	0.50%		+2
B100.4	27+11.00 PD	2.0 RT	6	B100.3	2X3	H-S	-	-	1023.76	1022.93	3.77	12	1019.16	1019.13	6	0.50%		+2
B100.3	27+11.00 PD	7.7 RT	27	B100.2	2X3	H-S	-	-	1023.99	1023.16	4.03	12	1019.13	1018.99	27	0.52%		+2
B100.2	27+38.00 PD	9.0 RT	25	B100.1	2X3	H	-	-	1023.79	1022.96	3.97	12	1018.99	1018.86	25	0.52%		+2
B100.1	27+38.00 PD	34.0 RT	87	B101.1	-	H	4-FT	-	1023.79	1022.96	4.60	18	1018.36	1016.84	87	1.75%	FLAT TOP SLAB REQ'D	+2
B101.1	28+25.00 PD	34.0 RT	120	B102.1	-	H	4-FT	-	1022.27	1021.44	4.60	18	1016.84	1014.74	120	1.75%	FLAT TOP SLAB REQ'D	+2
B102.7	27+60.00 PD	45.0 LT	11	B102.5	2X3	H			1022.77	1021.94	4.08	12	1017.86	1017.80	11	0.55%		+2
B102.5	27+60.00 PD	34.0 LT	170	B102.4	-	-	4-FT	J-S	1023.15	1021.90	4.10	12	1017.80	1015.63	170	1.28%	FLAT TOP SLAB REQ'D	---
B102.6	29+79.50 PD	59.5 LT	50	B102.4	-	-	-	-	-	-	-	12	1018.50	1015.63	50	5.13%	APRON ENDWALLS FOR CPRC 12-INCH REQ'D	---
B102.4	29+30.00 PD	34.0 LT	29	B102.3	-	H	4-FT	-	1020.36	1019.53	5.40	12	1015.63	1015.34	29	1.00%	FLAT TOP SLAB REQ'D	+2
B102.3	29+44.00 PD	8.6 LT	18	B102.2	2X3	H	-	-	1020.16	1019.33	3.99	12	1015.34	1015.15	18	1.06%		+2

2

2

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS	PIPE CUTOUTS FOR UNDERDRAIN
B102.2	29+44.00 PD	9.0 RT	25	B102.1	2X3	H	-	-	1019.78	1018.95	3.80	12	1015.15	1015.03	25	0.48%		+2
B102.1	29+45.00 PD	34.0 RT	127	B103.1	-	H	4-FT	-	1019.76	1018.93	4.19	18	1014.74	1013.79	127	0.75%	FLAT TOP SLAB REQ'D	+2
B103.3	30+60.00 PD	9.0 RT	13	B103.2	2X3	H-S	-	-	1018.75	1017.92	3.72	12	1014.20	1014.14	13	0.46%		+1
B103.2	30+72.72 PD	9.0 RT	13	B104.6	2X3	H-S	-	-	1018.74	1017.91	3.77	12	1014.14	1014.01	13	1.00%		+2
B103.1	30+72.43 PD	34.0 RT	14	B104.1	-	H-S	4-FT	-	1018.74	1017.91	4.12	24	1013.79	1013.65	14	1.00%	FLAT TOP SLAB REQ'D	+2
B104.1	30+86.00 PD	34.0 RT	25	B104.6	-	H-S	6-FT	-	1018.76	1017.93	4.28	36	1013.65	1013.40	25	1.00%	FLAT TOP SLAB REQ'D	+2
B104.6	30+86.00 PD	9.0 RT	18	B104.5	-	H-S	5-FT	-	1018.76	1017.93	4.53	36	1013.40	1013.21	18	1.06%	FLAT TOP SLAB REQ'D	+1
B104.5	30+85.37 PD	9.0 LT	26	B104.2	-	H-S	5-FT	-	1018.71	1017.88	4.67	36	1013.21	1012.97	26	0.91%	FLAT TOP SLAB REQ'D	+1
B104.2	30+85.00 PD	35.5 LT	89	P101.0	-	H-S	6-FT	-	1018.69	1017.86	4.89	36	1012.97	1012.06	89	1.02%	FLAT TOP SLAB REQ'D; OFFSET MANHOLE CASTING STA 35+85.00 PD, 34.0' LT	+2
B104.3	31+00.00 PD	34.0 LT	15	B104.2	2X3	H-S	-	-	1018.68	1017.85	4.11	12	1013.74	1013.63	15	0.73%		+1
B104.4	31+00.00 PD	9.0 LT	15	B104.5	2X3	H-S	-	-	1018.70	1017.87	3.94	12	1013.93	1013.21	15	4.80%		+1
B105.1	31+00.00 PD	34.0 RT	14	B104.1	-	H-S	4-FT	-	1018.79	1017.96	4.24	24	1013.72	1013.65	14	0.50%	FLAT TOP SLAB REQ'D	+2
B106.1	31+80.00 PD	34.0 RT	80	B105.1	-	H	4-FT	-	1019.45	1018.62	4.50	24	1014.12	1013.72	80	0.50%	FLAT TOP SLAB REQ'D	+2
B106.2	31+80.00 PD	9.0 RT	25	B106.1	2X3	H	-	-	1019.45	1018.62	4.24	12	1014.38	1014.25	25	0.52%		+2
B106.3	31+85.00 PD	9.0 LT	19	B106.2	2X3	H	-	-	1019.14	1018.31	3.83	12	1014.48	1014.38	19	0.53%		+2
B106.4	31+90.00 PD	34.0 LT	25	B106.3	2X3	H	-	-	1019.17	1018.34	3.74	12	1014.60	1014.48	25	0.48%		+2
B107.1	32+61.50 PD	34.0 RT	82	B106.1	-	H	5-FT	-	1020.22	1019.39	4.86	24	1014.53	1014.12	82	0.50%	FLAT TOP SLAB REQ'D	+2
C107.1	32+61.47 PD	39.1 RT	5	B107.1	-	-	-	-	-	-	-	18	1014.57	1014.53	5	0.80%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
B108.1	33+35.00 PD	34.0 RT	73	B107.1	-	H	4-FT	-	1020.71	1019.88	4.98	24	1014.90	1014.53	73	0.51%	FLAT TOP SLAB REQ'D	+2
B108.2	33+35.00 PD	9.0 RT	25	B108.1	2X3	H	-	-	1020.71	1019.88	4.20	12	1015.68	1015.56	25	0.48%		+2
B108.3	33+35.00 PD	9.0 LT	18	B108.2	2X3	H	-	-	1020.45	1019.62	3.84	12	1015.78	1015.68	18	0.56%		+2
B108.4	33+35.00 PD	34.0 LT	25	B108.3	2X3	H	-	-	1020.43	1019.60	3.70	12	1015.90	1015.78	25	0.48%		+2
B109.1	34+10.00 PD	34.0 RT	75	B108.1	-	H	4-FT	-	1021.16	1020.33	5.06	24	1015.27	1014.90	75	0.49%	FLAT TOP SLAB REQ'D	+2
B110.1	34+91.50 PD	34.0 RT	82	B109.1	-	H	4-FT	-	1021.66	1020.83	6.34	18	1015.99	1015.58	82	0.50%	FLAT TOP SLAB REQ'D	+2
B110.2	34+91.50 PD	8.5 RT	25	B110.1	2X3	H	-	-	1021.64	1020.81	4.02	12	1016.79	1016.18	25	2.44%		+2
B110.3	34+91.50 PD	9.0 LT	18	B110.2	2X3	H	-	-	1021.62	1020.79	3.91	12	1016.88	1016.79	18	0.50%		+2
B110.4	34+91.50 PD	34.0 LT	25	B110.3	2X3	H	-	-	1021.60	1020.77	3.77	12	1017.00	1016.88	25	0.48%		+2
C110.1	34+91.38 PD	42.0 RT	8	B110.1	-	-	-	-	-	-	-	18	1018.19	1018.15	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C100.4	37+11.25 PD	83.1 RT	8	D100.4	-	-	-	-	-	-	-	18	1019.72	1019.68	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
D100.4	37+19.51 PD	82.7 RT	55	D100.2	2X3	H-S	-	-	1022.16	1021.33	1.99	18	1019.34	1019.23	55	0.20%		+1
D100.4	37+19.51 PD	82.7 RT	7	D100.5	2X3	H-S	-	-	1022.16	1021.33	1.99	12	1019.34	1019.30	7	0.57%		---
D100.5	37+20.61 PD	90.1 RT	26	D100.3	2X3	H-S	-	-	1022.16	1021.33	2.03	18	1019.30	1019.25	26	0.19%		+1
D100.3	37+44.98 PD	82.5 RT	28	D100.1	2X3	H-S	-	-	1022.60	1021.77	2.52	18	1019.25	1019.19	28	0.21%		+2
D100.6	37+95.00 PD	44.4 RT	36	D100.7	-	H-S	4-FT	-	1023.21	1022.38	2.94	12	1019.44	1019.26	36	0.50%	FLAT TOP SLAB REQ'D	+2
D100.7	38+30.00 PD	37.9 RT	149	E100.1	-	H	4-FT	-	1023.72	1022.89	3.88	15	1019.01	1018.27	149	0.50%	FLAT TOP SLAB REQ'D	+2
D100.2	37+73.11 PD	71.3 RT	7	D100.1	-	H-S	4-FT	-	1023.18	1022.35	3.12	18	1019.23	1019.21	7	0.29%	FLAT TOP SLAB REQ'D	+1
D100.1	37+72.70 PD	78.3 RT	8	D100.0	-	H-S	4-FT	-	1023.18	1022.35	3.14	24	1019.21	1019.19	8	0.25%	FLAT TOP SLAB REQ'D	+1
D100.0	37+76.54 PD	84.7 RT	4	C102	-	-	5-FT	J-S	1023.74	1022.49	3.30	24	1019.19	1019.17	4	0.50%		---
C103	37+77.76 PD	92.6 RT	8	D100.0	-	-	-	-	-	-	-	18	1019.23	1019.19	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C102	37+80.96 PD	84.9 RT	-	EX. CONST	-	-	-	-	-	-	-	24	1019.17	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
N100.2	37+96.13 PD	9.0 RT	35	D100.6	2X3	H	-	-	1023.30	1022.47	2.86	12	1019.61	1019.44	35	0.49%		+2
N100.1	37+96.46 PD	2.0 RT	7	N100.2	2X3	H	-	-	1023.69	1022.86	3.21	12	1019.65	1019.61	7	0.57%		+2
N100.0	38+48.70 PD	45.0 LT	8	C100.0	-	H	4-FT	-	1024.07	1023.24	2.30	12	1020.94	1020.90	8	0.50%	FLAT TOP SLAB REQ'D	+2
C100.0	38+43.64 PD	50.7 LT	-	EX. CONST	-	-	-	-	-	-	-	12	1020.90	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E100.4	39+82.00 PD	34.0 LT	36	E100.3	2X3	H	-	-	1025.29	1024.46	3.76	12	1020.70	1020.34	36	1.00%		+2
E100.3	39+80.00 PD	2.0 RT	16	E100.2	2X3	H	-	-	1025.08	1024.25	3.91	12	1020.34	1020.09	16	1.56%		+2
E100.2	39+80.00 PD	17.7 RT	25	E100.1	2X3	H	-	-	1024.64	1023.81	3.72	12	1020.09	1018.52	25	6.28%		+2
E100.1	39+80.00 PD	42.8 RT	254	E101.1	-	H	4-FT	-	1024.64	1023.81	5.54	15	1018.27	1017.00	254	0.50%	FLAT TOP SLAB REQ'D	+2
E101.3	41+88.77 PD	68.4 RT	31	E101.2	2X3	H-S	-	-	1024.93	1024.10	3.54	12	1020.56	1020.41	31	0.48%		---
E101.2	42+19.31 PD	68.6 RT	26	E101.1	-	H-S	4-FT	-	1024.90	1024.07	3.66	12	1020.41	1020.15	26	1.00%	FLAT TOP SLAB REQ'D	---
E101.1	42+34.87 PD	47.9 RT	235	E102.1	-	H	5-FT	-	1025.26	1024.43	7.43	15	1017.00	1014.45	235	1.09%	FLAT TOP SLAB REQ'D	+2
E102.4	44+70.00 PD	34.0 LT	25	E102.3	2X3	H	-	-	1021.17	1020.34	3.74	12	1016.60	1016.45	25	0.60%		+2

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STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS	PIPE CUTOUTS FOR UNDERDRAIN
E102.3	44+70.00 PD	9.0 LT	7	E102.2	2X3	H	-	-	1021.36	1020.53	4.08	12	1016.45	1016.41	7	0.57%		+2
E102.2	44+70.00 PD	2.0 LT	58	E102.1	2X3	H	-	-	1021.77	1020.94	4.53	12	1016.41	1014.45	58	3.38%		+2
E102.1	44+70.00 PD	56.0 RT	105	E103.1	-	H	4-FT	-	1021.24	1020.41	6.21	18	1014.20	1012.35	105	1.76%	FLAT TOP SLAB REQ'D	+2
E103.5	45+85.17 PD	39.0 LT	32	E103.4	2X3	H	-	-	1017.77	1016.94	3.74	12	1013.20	1013.05	32	0.47%		+2
E103.4	45+75.19 PD	9.0 LT	7	E103.2	2X3	H	-	-	1018.54	1017.71	4.66	12	1013.05	1013.01	7	0.57%		+2
E103.3	46+05.41 PD	1.8 LT	30	E103.2	-	Z	3-FT	Z	1017.76	1016.76	3.60	12	1013.16	1013.01	30	0.50%	FLAT TOP SLAB REQ'D	+2
E103.2	46+75.22 PD	2.0 LT	58	E103.1	2X3	H	-	-	1018.94	1018.11	5.10	12	1013.01	1012.35	58	1.14%		+2
E103.1	45+75.00 PD	56.0 RT	55	E103.6	-	H	4-FT	-	1018.39	1017.56	5.46	18	1012.10	1011.10	55	1.82%		+2
E103.6	46+30.07 PD	56.0 RT	20	E103.7	-	-	4-FT	J-S	1017.68	1016.43	5.33	18	1011.10	1010.42	20	3.40%		---
E103.7	46+30.07 PD	75.6 RT	100	EX MH 45	-	-	4-FT	J-S	1017.55	1016.30	5.88	24	1010.42	1009.00	100	1.42%		---
EX MH 45	47+29.69 PD	70.6 RT	-	EX MH 55	-	-	-	-	1016.79	-	-	-	-	-	-	-	STORM SEWER TAP; ADJUSTING MANHOLE COVERS REQ'D	---
C47	47+47.87 PD	57.2 RT	-	EX. CONST	-	-	-	-	-	-	-	15	1020.90	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E104.1	47+54.26 PD	52.5 RT	8	C47	-	-	5-FT	J-S	1017.05	1015.80	3.03	15	1012.77	1012.73	8	0.50%	FLAT SLAB TOP REQ'D; OFFSET MANHOLE CASTING STA 47+54.29 PD, 50.9' RT	---
C46	47+62.18 PD	51.7 RT	8	E104.1	-	-	-	-	-	-	-	12	1012.81	1012.77	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E105.5	47+44.54 PD	19.8 RT	34	E104.1	2X3	H		-	1016.78	1015.95	3.01	12	1012.94	1012.77	34	0.50%		+2
E105.4	47+44.89 PD	13.7 RT	6	E105.5	-	H-S	4-FT	-	1016.64	1015.81	2.83	12	1012.98	1012.94	6	0.67%	FLAT TOP SLAB REQ'D	+2
E105.3	47+67.00 PD	1.3 LT	27	E105.4	-	H	4-FT	-	1016.53	1015.70	2.59	12	1013.11	1012.98	27	0.48%	FLAT TOP SLAB REQ'D	+2
E105.2	47+75.00 PD	9.0 LT	11	E105.3		H	4-FT	-	1016.14	1015.31	2.14	12	1013.17	1013.11	11	0.55%	FLAT TOP SLAB REQ'D	+2
E105.0	48+37.91 PD	31.2 LT	63	E105.1	-	-	4-FT	J-S	1016.17	1014.92	3.41	24	1011.51	1010.82	63	1.10%		---
E105.1	47+77.52 PD	49.9 LT	8	C105.1	-	-	7-FT	-	1015.39	1014.56	13.93	48	1000.63	1000.59	8	0.50%	SALVAGED INLET COVERS REQ'D; FLAT TOP SLAB REQ'D	+2
C105.1	47+80.60 PD	57.3 LT	-	EX. CONST	-	-	-	-	-	-	-	48	1000.59	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C105.2	48+45.95 PD	31.3 LT	8	E105.0	-	-	-	-	-	-	-	24	1011.65	1011.51	8	1.75%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C105.3	47+74.51 PD	42.5 LT	8	E105.1	-	-	-	-	-	-	-	48	1000.67	1000.63	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E106.1	50+15.00 PD	46.0 LT	46	E106.0	2X3	H	-	-	1018.72	1017.89	3.07	12	1014.82	1014.59	46	0.50%		+2
C106.0	50+06.09 PD	3.4 LT	-	EX. CONST	-	-	-	-	-	-	-	24	1013.56	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E106.0	50+13.27 PD	0.1 RT	8	C106.0	-	-	5-FT	J-S	1019.99	1018.74	5.15	24	1013.59	1013.56	8	0.38%		---
C106.2	50+21.27 PD	0.1 LT	8	E106.0	-	-	-	-	-	-	-	24	1013.77	1013.59	8	2.25%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E106.2	50+12.81 PD	10.2 RT	10	E106.0	2X3	H	-	-	1019.76	1018.93	4.29	12	1014.64	1014.59	10	0.50%		+2
C48.4	50+12.87 PD	15.6 RT	5	E106.2	-	-	-	-	-	-	-	12	1014.68	1014.64	5	0.80%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
E107.1	51+45.00 PD	37.7 LT	36	E107.0	2X3	H	-	-	1021.80	1020.97	3.24	12	1017.73	1016.60	36	3.14%		+2
E107.0	51+44.59 PD	2.0 LT	8	C107.1	-	H	5-FT	-	1022.07	1021.24	4.64	24	1016.60	1016.42	8	2.25%	OFFSET MANHOLE CASTING STA 51+44.56/1.2'LT; FLAT TOP SLAB REQ'D	+2
C107.1	51+36.58 PD	2.5 LT	-	EX. CONST	-	-	-	-	-	-	-	24	1016.42	-	-	-	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C107.2	51+52.58 PD	2.9 LT	8	E107.0	-	-	-	-	-	-	-	24	1016.64	1016.60	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C107.3	51+44.32 PD	6.9 RT	8	E107.0	-	-	-	-	-	-	-	12	1016.64	1016.60	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
C100.4	3+01.79 BT	7.5 LT	8	P100.1	-	-	-	-	-	-	-	24	1017.64	1017.60	8	0.50%	CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D	---
P100.0	3+10.00 BT	15.0 RT	15	P100.1	-	-	-	-	-	-	-	24	1019.13	1016.60	15	12.05%	APRON ENDWALLS FOR CPRC 24-INCH REQ'D	---
P100.1	3+10.01 BT	6.5 LT	286	P100.3	-	H-S	6-FT	-	1021.26	1020.43	3.83	36	1016.60	1015.04	286	0.55%	OFFSET MANHOLE CASTING STA 3+10.00/5.5'LT; FLAT TOP SLAB REQ'D	---
P100.2	6+01.51 BT	13.0 RT	17	P100.3	MEDIAN-1 GRATE	MS	-	-	1031.49	1031.49	7.88	12	1023.61	1021.91	17	10.00%	1 MS GRATE; SLOPE GRATE AT 10 PERCENT	---
P100.3	6+01.82 BT	30.0 RT	156	B104.1	-	-	5-FT	J-S	1026.91	1025.66	10.62	36	1015.04	1013.65	156	0.89%	FLAT TOP SLAB REQ'D	---
P100.4	17+29.53 SP	12.7 RT	28	P100.5	2X3	H	-	-	1020.17	1019.34	4.19	12	1015.15	1014.87	28	1.00%		---
P100.5	17+44.14 SP	11.5 LT	15	B105.1	-	-	4-FT	J-S	1019.75	1018.50	3.63	12	1014.87	1014.72	15	1.00%	FLAT TOP SLAB REQ'D	---
P101.1	109+18.55 NP	56.0 LT	41	P101.0	MEDIAN-1 GRATE	MS	-	-	1035.62	1035.62	16.52	12	1019.10	1015.00	41	10.00%	1 MS GRATE; SLOPE GRATE AT 10 PERCENT	---
P101.0	109+17.00 NP	15.0 LT	400	P102.0	-	-	6-FT	J-S	1020.04	1018.79	6.73	36	1012.06	1008.06	400	1.00%	FLAT TOP SLAB REQ'D	---
P102.0	113+17.00 NP	15.0 LT	134	P103.0	MEDIAN-2 GRATE	MS	-	-	1012.30	1012.30	4.24	36	1008.06	1007.50	134	0.39%	2 MS GRATES	---
P103.0	14+58.46 BT	18.9 RT	-	-	-	-	-	-	-	-	-	36	1007.50	-	-	-	APRON ENDWALLS FOR CPRC 36-INCH REQ'D	---
SH2.2	5+50.00 SH	39.5 LT	61	E103.7	2X3	H-S	-	-	1016.53	1015.70	4.98	15	1010.72	1010.42	61	0.49%		+1
C-SH1.2	5+07.73 SH	55.0 LT	16	SH1.2	-	-	-	-	-	-	-	8	1014.40	1014.32	16	0.50%	STORM SEWER PIPE PVC 8-INCH REQ'D	---
SH1.2	5+07.18 SH	39.5 LT	43	SH2.2	2X3	H	-	-	1016.83	1016.00	5.06	15	1010.94	1010.72	43	0.51%		---
SH2.1	5+74.26 SH	28.5 RT	68	SH1.1	2X3	H-S	-	-	1016.17	1015.34	3.38	12	1011.96	1011.28	68	1.00%		+1
SH1.1	5+05.85 SH	28.2 RT	68	SH1.2	2X3	H	-	-	1016.44	1015.61	4.33	15	1011.28	1010.94	68	0.50%		---
SH3.1	7+83.78 SH	20.2 RT	20	SH3.2	2X3	H	-	-	1014.33	1013.50	5.42	12	1008.08	1007.63	20	1.73%		+2
SH3.2	8+00.27 SH	40.7 RT	-	-	-	-	-	-	-	-	-	-	1007.63	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH REQ'D	---
SH3.3	7+72.00 SH	39.7 LT	61	SH3.1	2X3	H	-	-	1015.20	1014.37	5.68	12	1008.69	1008.08	61	1.00%		+2
SH4.2	10+90.00 SH	39.5 LT	57	SH4.1	2X3	H	-	-	1000.29	999.46	3.18	12	996.28	996.00	57	0.49%		+1
SH4.1	10+90.00 SH	17.5 RT	27	SH4.0	2X3	H	-	-	1000.73	999.90	3.90	12	996.00	995.00	27	3.70%		+1
SH4.0	10+90.00 SH	50.8 RT	-	-	-	-	-	-	-	-	-	12	995.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH REQ'D	---
SH5.2	13+23.00 SH	19.0 LT	37	SH5.1	2X3	H	-	-	997.66	996.83	3.08	12	993.75	993.56	37	0.51%		---
SH5.1	13+23.00 SH	17.5 RT	46	SH5.0	2X3	H	-	-	997.44	996.61	3.05	12	993.56	993.00	46	1.22%		---
SH5.0	13+23.00 SH	69.0 RT	-	-	-	-	-	-	-	-	-	12	993.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH REQ'D	---

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