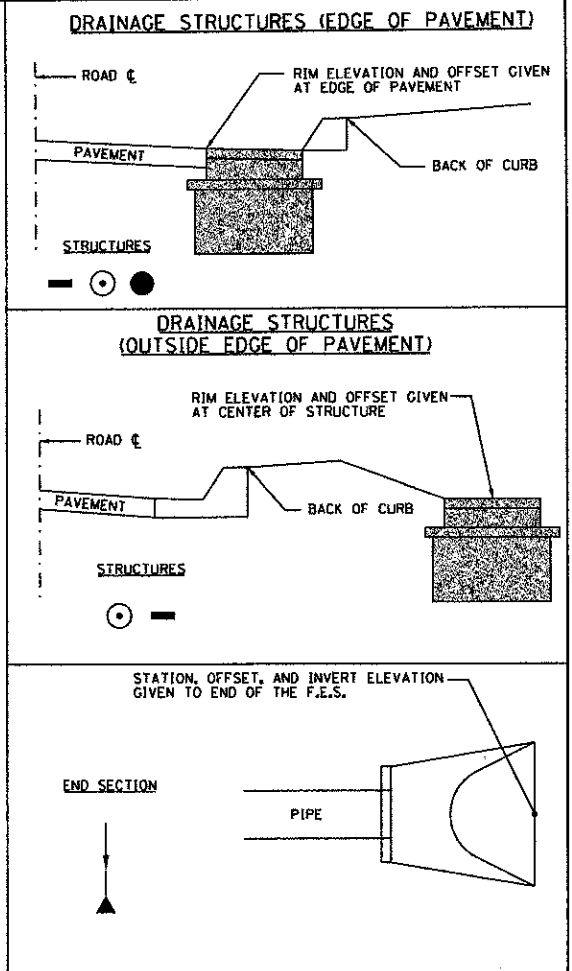


PROPOSED DRAINAGE STRUCTURE SCHEDULE										
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INV. (N)	INV. (S)	INV. (E)	INV. (W)	FRAME & GRATE	FLAT SLAB TOP
S-01	MH TY A 4' DIA., TY 1 CLOSED	102+29	19.5' RT	795.65			790.60	790.40	TY 1 FR & GR	X
S-02	MH TY A 4' DIA., TY 24	102+50	15.3' RT	795.86	792.15			790.78	TY 24 FR & GR	X
S-03	INLET, TY A, TY 24	102+50	15.3' LT	795.86		792.45			TY 24 FR & GR	-
S-04	MH TY A 4' DIA., TY 24	69+10	20.2' LT	796.55				786.65	TY 24 FR & GR	-
S-05	STORMWATER TREAT. STRUCT.	69+10	32.3' LT	794.95	786.55	786.30	786.55		SPECIAL	-
S-06	MH TY A 4' DIA., TY 1 CLOSED	70+05	32.3' LT	797.94	789.00	787.92			TY 1 FR & GR	-
S-07	MH TY A 4' DIA., TY 24	70+30	24.3' LT	798.08	789.45	789.35			TY 24 FR & GR	-
S-08	MH TY A 4' DIA., TY 24	105+87	23.7' RT	798.41	792.30	790.70		795.00	TY 24 FR & GR	X
S-09	INLET, TY A, TY 24	105+58	16.5' RT	798.58			795.14		TY 24 FR & GR	-
S-10	MH TY A 4' DIA., TY 24	105+88	23.9' RT	798.65	792.86	792.76		792.86	TY 24 FR & GR	-
S-11	MH TY A 4' DIA., TY 24	105+59	21.7' LT	798.50			792.99	795.00	TY 24 FR & GR	X
S-12	INLET, TY A, TY 24	105+16	29.4' LT	798.56			795.21		TY 24 FR & GR	-
S-13	MH TY A 4' DIA., TY 8	105+90	45.7' LT	798.66		793.03	793.13		TY 8 GR	-
S-14	MH TY A 4' DIA., TY 24	72+03	22.3' LT	798.44	793.90			793.80	TY 24 FR & GR	X
S-15	MH TY A 4' DIA., TY 24	72+34	16.4' LT	798.27	795.07	794.04		795.07	TY 24 FR & GR	X
S-16	INLET, TY B, TY 8	72+35	36.7' LT	798.43			795.17		TY 8 FR	X
S-17	INLET, TY A, TY 24	72+49	16.4' LT	798.31		795.13			TY 24 FR & GR	-
S-18	12" CONC. E.S. WITH RIGHT ANGLES	69+10	35.3' RT				791.75			-
S-19	CB TY A 4' DIA., TY 1 CLOSED	69+10	23.7' RT	796.30	791.90		791.90		TY 1 FR & GR	X
S-20	MH TY A 4' DIA., TY 1 CLOSED	69+30	26.8' RT	796.98	792.14	792.14		794.14	TY 1 FR & GR	X
S-21	INLET, TY A, TY 24	69+30	16.6' RT	796.85			794.30		TY 24 FR & GR	X
S-22	MH TY A 5' DIA., TY 24	70+32	24.6' RT	798.10	793.12	793.12			TY 24 FR & GR	X
S-23	MH TY A 4' DIA., TY 24	107+57	23.7' RT	798.28	793.91	793.91	794.73		TY 24 FR & GR	X
S-24	INLET, TY A, TY 24	108+12	20.8' RT	797.67			795.00		TY 24 FR & GR	-
S-25	MH TY A 4' DIA., TY 24	107+58	23.5' LT	798.36	794.14	794.14			TY 24 FR & GR	X
S-26	MH TY A 4' DIA., TY 8	107+35	62.0' LT	797.50	794.35		794.35		TY 8 FR	X
S-27	MH TY A 4' DIA., TY 24	71+99	23.8' RT	798.44	794.55		794.55		TY 24 FR & GR	X
S-28	MH TY A 4' DIA., TY 24	72+23	21.9' RT	798.22	794.65	794.65			TY 24 FR & GR	X
S-29	MH TY A 4' DIA., TY 24	72+34	21.6' RT	798.19	795.05	794.70			TY 24 FR & GR	X
S-30	INLET, TY A, TY 24	72+75	29.5' RT	798.21		795.25			TY 24 FR & GR	-
S-31	15" CMP E.S.	75+36	29.3' RT		795.10					-
S-32	15" CMP E.S.	75+11	29.9' RT		795.45					-
S-33	12" CONCRETE F.E.S.	111+98	38.2' RT			787.60				-
S-34	CB TY A 4' DIA., TY 1 OPEN	111+86	17.3' LT	792.58		787.85		788.50	TY 1 FR & GR	X
S-35	MH TY A 4' DIA., TY 24	109+45	18.6' LT	796.67			792.06	793.35	TY 24 FR & GR	X
S-36	INLET, TY B, TY 8	108+80	36.6' LT	797.35			794.00		TY 8 GR	-
S-37	15" CMP E.S.	111+46	36.8' LT			790.90				-
S-38	15" CMP E.S.	111+08	36.4' LT			792.00				-

PROPOSED DRAINAGE PIPE SCHEDULE							
PIPE NO.	STRUCTURE		SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU YD.)
	FROM	TO					
P-01	S-01	EXIST.	12"	8'	1.20%	SS CL A, TY 2, 12"	6.09
P-02	S-02	S-01	12"	18'	1.00%	SS CL A, TY 2, 12"	9.65
P-03	S-03	S-02	12"	30'	1.00%	SS CL A, TY 1, 12"	3.95
P-04	S-05	EXIST.	12"	8'	2.50%	SS CL A, TY 2, 12"	0.00
P-05	S-06	S-05	12"	91'	1.50%	SS CL A, TY 2, 12"	45.29
P-06	S-04	S-05	12"	8'	1.00%	SS CL A, TY 2, 12"	3.00
P-07	S-07	S-06	12"	23'	1.50%	SS CL A, TY 2, 12"	24.88
P-08	S-08	S-07	12"	83'	1.50%	SS, RG, CL A, TY 2, 12"	84.44
P-09	S-09	S-08	12"	27'	0.50%	SS CL A, TY 1, 12"	2.42
P-10	S-10	S-08	12"	46'	1.00%	SS CL A, TY 2, 12"	26.87
P-11	S-11	S-10	12"	26'	0.50%	SS CL A, TY 2, 12"	13.93
P-12	S-12	S-11	12"	41'	0.50%	SS CL A, TY 1, 12"	18.68
P-13	S-13	S-10	12"	17'	1.00%	SS CL A, TY 2, 12"	14.02
P-14	S-14	S-13	12"	67'	1.00%	SS, RG, CL A, TY 2, 12"	18.97
P-15	S-15	S-14	12"	27'	0.50%	SS CL A, TY 2, 12"	5.54
P-16	S-16	S-15	12"	17'	0.50%	SS CL A, TY 1, 12"	6.93
P-17	S-17	S-15	12"	12'	0.50%	SS CL A, TY 1, 12"	0.82
P-18	S-19	S-18	12"	8'	1.50%	SS CL A, TY 1, 12"	0.00
P-19	S-20	S-19	12"	16'	1.50%	SS CL A, TY 2, 12"	11.14
P-20	S-21	S-20	12"	6'	2.67%	SS CL A, TY 1, 12"	2.73
P-21	S-22	S-20	12"	98'	1.00%	SS CL A, TY 2, 12"	52.52
P-22	S-23	S-22	12"	79'	1.00%	SS CL A, TY 2, 12"	52.48
P-23	S-24	S-23	12"	53'	0.50%	SS CL A, TY 1, 12"	5.30
P-24	S-25	S-23	12"	46'	0.50%	SS CL A, TY 2, 12"	7.98
P-25	S-26	S-25	12"	41'	0.50%	SS CL A, TY 1, 12"	16.08
P-26	S-27	S-26	12"	39'	0.50%	SS CL A, TY 1, 12"	13.40
P-27	S-28	S-27	12"	20'	0.50%	SS CL A, TY 1, 12"	2.63
P-28	S-29	S-28	12"	8'	0.50%	SS CL A, TY 1, 12"	1.05
P-29	S-30	S-29	12"	39'	0.50%	SS CL A, TY 1, 12"	15.27
P-30	S-32	S-31	15"	21'	1.40%	15" CMP	6.06
P-31	S-34	S-33	12"	49'	0.50%	SS CL A, TY 1, 12"	9.70
P-32	S-35	S-34	12"	237'	1.50%	SS CL A, TY 2, 12"	36.15
P-33	S-36	S-35	12"	65'	1.00%	SS CL A, TY 1, 12"	22.41
P-34	S-38	S-37	15"	34'	2.90%	15" CMP	1.93



- DRAINAGE STRUCTURE GENERAL NOTES**
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
 - DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. GRADES OF EXISTING SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEY. THE INVERTS OF THE PROPOSED DRAINAGE MAY REQUIRE REVISIONS TO MEET THE EXISTING FIELD CONDITIONS. ANY ADJUSTMENTS SHALL BE DIRECTED BY THE ENGINEER AND NOT PAID FOR SEPARATELY.
 - ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LIDS OF ONE OF THE FOLLOWING: ALL LIDS TO BE USED ON STORM SEWER SHALL BEAR THE WORD "STORM", ALL LIDS TO BE USED ON SANITARY SEWER SHALL BEAR THE WORD "SANITARY", ALL LIDS TO BE USED ON THE WATER SYSTEM SHALL BEAR THE WORD "WATER". THIS SHALL BE CONSIDERED INCIDENTAL TO THE FRAME AND CLOSED LID PROVIDED.
 - ALL INLETS AND MANHOLES SHALL HAVE A POURED CONCRETE BENCH CONSTRUCTED BEFORE THE RESPECTIVE STORM SEWER IS PUT INTO SERVICE. THE COST FOR THE CONSTRUCTION OF THE CONCRETE BENCH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EACH STORM SEWER STRUCTURE (INLETS AND MANHOLES).
 - CEMENT BRICKS AND NON-SHRINK MORTAR SHALL BE USED IN ALL STORM STRUCTURES, IF APPLICABLE.
 - COST OF CONCRETE FLAT SLAB TOP SHALL BE INCLUDED IN UNIT PRICE OF THE APPLICABLE INLET, MANHOLE, OR CATCH BASIN.
 - FLAT SLAB TOPS MAY BE USED WITH ANY STRUCTURE AT THE DISCRETION OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. FLAT SLAB TOP LOCATIONS SHOWN IN PLANS ARE INCLUDED TO HELP IDENTIFY LOCATIONS WITH MINIMAL CLEARANCE BETWEEN THE RIM AND TOP OF PIPE.

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