ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	09-00053-00-PV	FLORA	25	4
CONTRACT NO, 95611		ILLINOIS	PROJECT M-ARA-5023(010)	

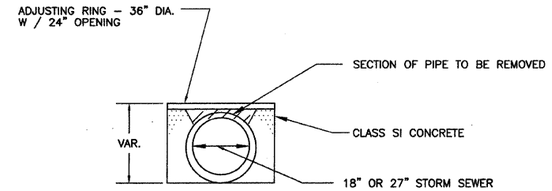
DRAINAGE STRUCTURES

NO.	DIST.	STA.	ITEM	GRATE	INV.	
1	22'	LT.	0+82	INLET TY-A, W/TY-8 GR.	499.75	497.25	
2	22'	LT.	1+04	PIPE TEE, 15"P. 12"R.	–	497.12	
3	15'	LT.	1+04	INLET TY-A, W/TY-23 F&G	499.84	497.19	
4	15'	RT.	1+04	INLET TY-A, W/TY-23 F&G	499.84	497.48	
5	17'	RT.	0+82	INLET TY-A, W/TY-8 GR.	499.00	497.70	
6	22'	LT.	1+32	INLET TY-A, W/TY-8 GR.	499.75	496.96	
7	22'	LT.	1+53	PIPE TEE, 18"P. 12"R.	–	496.79	
8	15'	LT.	1+64	INLET TY-A, W/TY-23 F&G	499.53	496.98	497.04 E
9	15'	RT.	1+64	INLET TY-A, W/TY-23 F&G	499.53	497.33	
10	45'	RT.	1+53	INLET TY-A, W/TY-8 GR.	499.75	497.48	
11	15'	LT.	2+60	PIPE TEE, 18"P. 12"R.	–	496.40	
12	15'	LT.	2+36	INLET TY-B, W/TY-3 F&G	499.33	496.60	496.78 E
13	15'	IT.	2+30	INLET TY-A, W/TY-3 F&G	499.33	496.53	
14	15'	RT.	2+36	INLET TY-B, W/TY-3 F&G	499.33	497.00	
15	15'	RT.	2+81	INLET TY-A, W/TY-3 F&G	499.33	497.13	
16	22'	RT.	2+81	INLET TY-A, W/TY-8 GR.	499.40	497.53	
17	22'	LT.	2+43	INLET TY-A, W/TY-8 GR.	499.70	496.37	
18	22'	LT.	3+50	INLET TY-A, W/TY-8 GR.	499.65	495.79	
19	22'	LT.	4+17	PIPE TEE, 18"P. 12"R.	–	495.42	
20	24'	RT.	4+17	INLET TY-A, W/TY-8 GR.	499.15	497.22	
21	22'	LT.	4+30	INLET TY-A, W/TY-8 GR.	499.65	495.55	
22	22'	LT.	4+80	M.H. TY.-A, 4' DIA., W/TY-1 FR&O L	500.00	495.08	496.31 E
23	15'	LT.	4+80	INLET TY-A, W/TY-23 F&G	499.73	496.35	
24	15'	RT.	4+80	INLET TY-A, W/TY-23 F&G	499.73	496.50	
25	22'	LT.	5+55	INLET TY-B, W/TY-8 GR.	499.40	494.68	496.31 E
26	15'	LT.	5+55	INLET TY-A, W/TY-23 F&G	499.35	496.35	
27	15'	RT.	5+55	INLET TY-A, W/TY-23 F&G	499.35	496.50	
28	15'	RT.	5+18	INLET TY-A, W/TY-23 F&G	499.54	496.86	
29	23'	RT.	5+18	INLET TY-A, W/TY-8 GR.	499.45	496.95	
30	22'	LT.	6+04	INLET TY-B, W/TY-8 GR.	499.25	494.41	496.56 E
31	15'	LT.	6+04	INLET TY-A, W/TY-23 F&G	499.11	496.60	
32	15'	RT.	6+04	INLET TY-A, W/TY-23 F&G	499.11	496.75	
33	22'	LT.	6+75	PIPE TEE, 21"P. 12"R.	–	494.03	
34	15'	LT.	6+75	INLET TY-A, W/TY-23 F&G	498.75	494.47	495.78 E
35	22'	RT.	6+75	INLET TY-A, W/TY-23 F&G	498.75	496.07	
36	15'	RT.	6+40	INLET TY-A, W/TY-23 F&G	498.93	496.43	
37	22'	LT.	7+35	PIPE TEE, 21"P. 12"R.	–	493.71	
38	15'	LT.	7+35	INLET TY-A, W/TY-23 F&G	498.45	494.13	495.51 E
39	15'	RT.	7+35	INLET TY-A, W/TY-23 F&G	498.45	495.80	
40	15'	LT.	7+05	INLET TY-A, W/TY-23 F&G	498.60	496.10	
41	22'	LT.	7+45	M.H. TY.-A, 4' DIA., W/TY-1 FR&O L	498.75	493.65	
42	23'	LT.	7+95	PIPE TEE, 24"P. 12"R.	–	493.38	
43	15'	LT.	7+95	INLET TY-A, W/TY-23 F&G	498.15	493.80	496.03 E
44	15'	RT.	7+95	INLET TY-A, W/TY-23 F&G	498.15	496.60	
45	15'	RT.	7+65	INLET TY-A, W/TY-23 F&G	498.30	496.75	
46	21'	RT.	7+75	INLET TY-A, W/TY-8 GR	498.50	496.87	
47	23'	LT.	8+55	PIPE TEE, 24"P. 12"R.	–	493.06	
48	15'	LT.	8+55	INLET TY-A, W/TY-23 F&G	497.85	493.48	495.73 E
49	15'	RT.	8+55	INLET TY-A, W/TY-23 F&G	497.85	496.30	
50	15'	RT.	8+25	INLET TY-A, W/TY-23 F&G	498.00	496.45	
51	24'	LT.	9+15	PIPE TEE, 24"P. 12"R.	–	492.73	
52	15'	LT.	9+15	INLET TY-A, W/TY-23 F&G	497.52	493.15	495.40 E
53	15'	RT.	9+15	INLET TY-A, W/TY-23 F&G	497.52	495.97	
54	15'	RT.	8+85	INLET TY-A, W/TY-23 F&G	497.69	496.13	
55	25'	LT.	9+45	M.H. TY.-A, 5' DIA., W/TY-1 FR&CL L	497.25	492.57	
56	25'	LT.	9+75	PIPE TEE, 27"P. 12"R.	–	492.41	
57	15'	LT.	9+75	INLET TY-A, W/TY-23 F&G	497.14	493.10	495.02 E
58	15'	RT.	9+75	INLET TY-A, W/TY-23 F&G	497.14	495.59	
59	15'	RT.	9+45	INLET TY-A, W/TY-23 F&G	497.33	495.78	
60	27'	LT.	10+47	PIPE TEE, 27"P. 12"R.	–	492.02	
61	15'	LT.	10+47	INLET TY-A, W/TY-23 F&G	496.61	492.72	494.91 E
62	15'	RT.	10+47	INLET TY-A, W/TY-23 F&G	496.61	495.06	
63	28'	LT.	11+17	PIPE TEE, 27"P. 12"R.	–	491.64	
64	15'	LT.	11+17	INLET TY-A, W/TY-23 F&G	496.06	492.38	493.71 E
65	15'	RT.	11+17	INLET TY-A, W/TY-23 F&G	496.06	493.86	
66	15'	RT.	10+82	INLET TY-A, W/TY-23 F&G	496.34	494.14	
67	26'	LT.	11+87	PIPE TEE, 27"P. 12"R.	–	491.26	
68	15'	RT.	11+87	INLET TY-A, W/TY-23 F&G	495.51	492.00	493.16 E
69	28'	RT.	11+87	INLET TY-A, W/TY-23 F&G	495.51	493.31	
70	15'	RT.	11+52	INLET TY-A, W/TY-23 F&G	495.79	493.59	
71	22'	RT.	11+35	INLET TY-A, W/TY-8 GR	495.75	493.78	
72	23'	LT.	12+57	M.H. TY.-A, 5' DIA., W/TY-1 FR&CL L	495.25	490.88	
73	15'	LT.	12+57	INLET TY-A, W/TY-23 F&G	494.94	491.22	492.39 E
74	15'	RT.	12+57	INLET TY-B, W/TY-23 F&G	494.94	492.54	
75	15'	RT.	12+22	INLET TY-A, W/TY-23 F&G	495.23	493.02	
76	20'	LT.	12+60	INLET TY-A, W/TY-8 GR.	494.92	492.80	
77	24'	LT.	13+27	PIPE TEE, 27"P. 12"R.	–	490.51	
78	15'	LT.	13+27	INLET TY-A, W/TY-23 F&G	494.31	491.25	491.97 E
79	15'	RT.	13+27	INLET TY-A, W/TY-23 F&G	494.31	491.56	
80	15'	RT.	12+92	INLET TY-A, W/TY-23 F&G	494.63	492.42	
81	23'	RT.	12+90	INLET TY-A, W/TY-8 GR.	494.10	492.49	
82	26'	LT.	14+60	M.H. TY.-A, 5' DIA., W/TY-1 FR&CL L	493.35	489.78	
83	15'	LT.	14+58	INLET TY-A, W/TY-23 F&G	493.04	490.04	
84	15'	RT.	14+54	INLET TY-A, W/TY-23 F&G	493.08	490.81	
85	15'	RT.	14+17	INLET TY-A, W/TY-23 F&G	493.45	491.18	
86	31'	LT.	14+60	P.R.C.F.E.S. 12"	–	490.44	
87	31'	LT.	14+60	PIPE TEE, 27"P. 12"R.	–	489.74	
88	57'	LT.	14+63	PIPE ELBOW 27" – 45'	–	489.59	
89	61'	RT.	14+61	P.R.C.F.E.S. 18" W/ GRATING	–	490.75	
90	21'	RT.	14+63	INLET, SPL., W/TY-23 F&G	492.75	490.48	
91	24'	LT.	14+66	INLET, SPL., W/TY-23 F&G	492.70	490.08	
92	47'	LT.	14+67	INLET, SPL., W/TY-8 GR.	492.30	489.90	
93	61'	LT.	14+68	M.H. SPECIAL, TY.-1, W/O L	492.75	489.54	
94	15'	RT.	14+97	INLET, SPL., W/TY-23 F&G	492.64	491.18	
95	15'	LT.	14+97	INLET, SPL., W/TY-23 F&G	492.64	491.18	
96	15'	RT.	8B+11	INLET, SPL., W/TY-8 GR.	491.93	488.92	
97	15'	RT.	7B+19	INLET, SPL., W/TY-8 GR.	492.75	490.08	
98	16'	RT.	6B+58	INLET, SPL., W/TY-8 GR.	490.50	487.83	
99	14'	RT.	4B+90	INLET, SPL., W/TY-8 GR.	489.02	486.64	
100	13'	RT.	3B+79	INLET, SPL., W/TY-8 GR.	487.80	485.85	
101	13'	RT.	3B+40	P.R.C.F.E.S. 27" W/ GRATING	–	485.57	

ALL TYPE B INLETS SHALL BE FURNISHED WITH A FLAT SLAB TOP

STORM SEWERS – CLASS B

LOCATION	TY–1,8" WMQ	TY–1,12"	TY–1,12" WMQ	TY–1,15"	TY–1,18"	TY–1,21"	TY–1,24"	TY–1,27"	TR.B'FILL
1 TO 2				22					
2 TO 3		6							0.8
3 TO 4			28						3.7
4 TO 5		21							0.5
2 TO 6				25					
6 TO 7					30				2.2
7 TO 8		5							0.4
8 TO 9			28						2.2
9 TO 10		30							0.4
7 TO 11					70				
11 TO 12		5							0.7
12 TO 13		4							1.5
12 TO 14			28						4.5
14 TO 15			4						0.6
14 TO 16			44						0.3
11 TO 17					5				
17 TO 18					105				3.0
18 TO 19					65				6.6
19 TO 20		24	20						5.6
19 TO 21			12						0.8
21 TO 22					48				
22 TO 23		6							0.5
23 TO 24		28							5.6
22 TO 25						72			16.0
25 TO 26		6							0.4
26 TO 27		28							4.2
27 TO 28		36							5.3
28 TO 29			8						0.3
25 TO 30						48			
30 TO 31		6							0.3
31 TO 32		28							3.7
30 TO 33						68			2.9
33 TO 34		6							1.4
34 TO 35		28							17.9
35 TO 36		34							9.7
33 TO 37						58			0.7
37 TO 38		6							0.7
38 TO 39		28							8.7
39 TO 40		28							8.4
37 TO 41		8							
41 TO 42							48		15.6
42 TO 43		6							0.7
43 TO 44	28								9.0
44 TO 45	28								8.4
45 TO 46	10								0.6
42 TO 47							60		
47 TO 48		8							0.7
48 TO 49	28								9.0
49 TO 50	28								8.7
47 TO 51							58		10.5
51 TO 52		8							0.7
52 TO 53	28								9.0
53 TO 54	28								9.0
51 TO 55									
55 TO 56								28	
56 TO 57		10							3.4
57 TO 58	28								8.7
58 TO 59	28								8.1
56 TO 60								70	
60 TO 61		12							3.8
61 TO 62	28								8.4
60 TO 63								68	
63 TO 64		12							3.6
64 TO 65			28						8.1
65 TO 66		34							9.9
63 TO 67								68	
67 TO 68		12							0.6
68 TO 69			28						7.8
69 TO 70		34							9.2
70 TO 71		16							0.5
67 TO 72								70	
72 TO 73		8							0.6
73 TO 74			28						8.1
74 TO 75		34							9.6
74 TO 76		4							0.6
72 TO 77								68	
77 TO 78		8							0.5
78 TO 79			28						7.2
79 TO 80		34							7.4
80 TO 81		8							0.5
77 TO 82								130	
82 TO 83		10							0.9
83 TO 84			28						7.2
84 TO 85		35							7.4
86 TO 87		2							
82 TO 87								4	0.9
87 TO 88								22	
88 TO 92								4	
89 TO 90					28				1.2
90 TO 91					52				4.7
91 TO 92					19				0.9
92 TO 93					11				
93 TO 96								91	
96 TO 97								91	4.0
97 TO 98								59	
98 TO 99								166	11.0
99 TO 100								110	
100 TO 101								33	3.5
TOTALS	262	666	312	47	433	246	166	1082	350.5

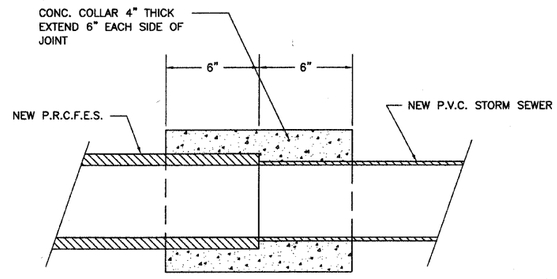


INLET, SPECIAL, W/TY.–23 F. & G.

RT. STA. 14+63
LT. STA. 14+66
RT. STA. 14+97
LT. STA. 14+97

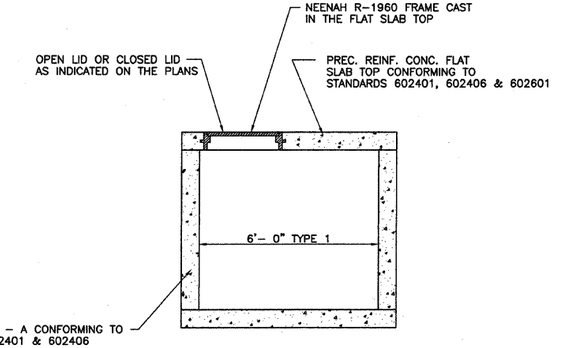
INLET, SPECIAL, W/TY.–8 GR.

LT. STA. 14+67
RT. STA. 8B+11
RT. STA. 7B+19
RT. STA. 6B+58
RT. STA. 4B+90
RT. STA. 3B+79



P.R.C.F.E.S. TO STORM SEWER – JOINT DETAIL

COST INCLUDED IN THE P.R.C.F.E.S. OF EACH SIZE INDICATED



MANHOLE, SPECIAL DETAILS