

STORM SEWER STRUCTURE TABLE					
<b>A-1</b> STA. 52+10.0, 17.4' LT CATCH BASIN TY C-24 RIM EL.= 882.38 12" W. I.E. = 878.63	<b>A7-A</b> STA. 47+65.7, 71.6' LT MANHOLE TY A-7-1-C.L. RIM EL.= 888.93 48" N. I.E. = 880.26 48" S. I.E. = 880.26 24" W. I.E. = 883.26	<b>A10-B</b> STA. 45+05.0, 30.0' RT CATCH BASIN TY C-24 RIM EL.= 901.62 12" NE. I.E. = 897.79	<b>A-14</b> STA. 115+42.0, 30.9' RT MANHOLE TY A-6-1-C.L. RIM EL.= 891.89 42" N. I.E. = 883.89 42" S. I.E. = 883.89 12" W. I.E. = 884.54	<b>A16-B</b> STA. 119+75.0, 21.0' LT CATCH BASIN TY A-24 RIM EL.= 894.25 24" W. I.E. = 889.62 24" E. I.E. = 889.52	<b>A19-A</b> STA. 123+07.0, 20.8' LT CATCH BASIN TY A-4-24 RIM EL.= 903.47 15" E. I.E. = 896.30 15" W. I.E. = 896.40
<b>A1-A</b> STA. 52+00.0, 17.5' LT CATCH BASIN TY A-4-24 RIM EL.= 882.36 12" W. I.E. = 878.57 12" E. I.E. = 878.57 12" N. I.E. = 877.72	<b>A7-B</b> STA. 48+55.0, 18.0' LT CATCH BASIN TY A-4-24 RIM EL.= 886.45 12" N. I.E. = 881.83 12" S. I.E. = 881.93	<b>A11</b> STA. 43+00.0, 49.0' LT MANHOLE TY A-4-1-O.L. RIM EL.= 909.66 15" W. I.E. = 904.06 15" E. I.E. = 904.06 12" S. I.E. = 906.53	<b>A14-A</b> STA. 115+44.0, 21.0' RT CATCH BASIN TY A-4-24 RIM EL.= 889.11 24" E. I.E. = 889.67	<b>A16-C</b> STA. 119+75.0, 29.5' LT FLUSH INLET BOX FOR MEDIAN STD 542546 RIM EL.= 893.93 24" E. I.E. = 889.67	<b>A19-B</b> STA. 123+07.0, 20.7' RT CATCH BASIN TY A-4-24 RIM EL.= 903.48 12" N. I.E. = 899.82 15" W. I.E. = 899.40
<b>A1-B</b> STA. 51+90.0, 17.6' LT CATCH BASIN TY C-24 RIM EL.= 882.38 12" E. I.E. = 878.63	<b>A8</b> STA. 46+71.5, 62.0' LT MANHOLE TY A-5-1-C.L. RIM EL.= 890.82 24" W. I.E. = 883.61 24" E. I.E. = 883.51 12" N. I.E. = 885.93	<b>A11-A</b> STA. 43+00.0, 28.2' LT CATCH BASIN TY A-4-24 RIM EL.= 911.23 12" S. I.E. = 907.48 12" N. I.E. = 906.70	<b>A14-B</b> STA. 115+50.0, 32.0' LT CATCH BASIN TY A-4-24 RIM EL.= 888.91 24" N. I.E. = 891.10 12" E. I.E. = 885.25 12" W. I.E. = 893.50	<b>A17</b> STA. 121+12+0, 6.5' RT MANHOLE TY A-5-1-C.L. RIM EL.= 896.80 24" N. I.E. = 891.10 24" S. I.E. = 891.00 12" W. I.E. = 893.50 12" E. I.E. = 893.50	<b>A19-C</b> STA. 123+13.0, 20.4' RT CATCH BASIN TY C-24 RIM EL.= 903.76 12" S. I.E. = 899.86
<b>A-2</b> STA. 52+00.0, 36.0' LT 12" RCFES 12" S. I.E. = 877.6	<b>A8-A</b> STA. 114+35.7, 24.0' LT CATCH BASIN TY A-4-24 RIM EL.= 889.95 12" S. I.E. = 886.10	<b>A11-B</b> STA. 43+00.0, 25.6' RT CATCH BASIN TY C-24 RIM EL.= 912.25 12" N. I.E. = 908.48	<b>A14-C</b> STA. 115+50.0, 40.6' LT CATCH BASIN TY C-8 RIM EL.= 888.64 12" E. I.E. = 885.64	<b>A17-A</b> STA. 120+99.5, 30.4' RT CATCH BASIN TY A-4-8 RIM EL.= 898.20 12" W. I.E. = 893.70	<b>A19-D</b> STA. 123+07.0, 6.5' RT MANHOLE TY A-5-1-C.L. RIM EL.= 903.76 24" S. I.E. = 895.30 15" E. I.E. = 899.30 15" W. I.E. = 896.07
<b>A-4</b> 51+25.0, 35.0' LT 12" RCFES 12" S. I.E. = 877.98	<b>A-9</b> STA. 51+25.0, 18.0' LT CATCH BASIN TY A-4-24 RIM EL.= 882.39 12" E. I.E. = 878.09	<b>A12-A</b> STA. 40+22.3, 30.9' LT MANHOLE TY A-4-1-C.L. RIM EL.= 924.40 15" W. I.E. = 910.30 15" E. I.E. = 910.30 12" N. I.E. = 919.80	<b>A15</b> STA. 117+63.0, 30.3' RT MANHOLE TY A-6-1-C.L. RIM EL.= 894.20 42" N. I.E. = 886.71 42" S. I.E. = 886.71 12" W. I.E. = 887.15	<b>A17-B</b> STA. 121+37.5, 29.5' LT CATCH BASIN TY A-4-8 RIM EL.= 897.15 12" E. I.E. = 893.93	<b>B-1</b> STA. 55+10.0, 13.5' LT CATCH BASIN TY C-24 RIM EL.= 882.70 12" W. I.E. = 878.95
<b>A-5</b> STA. 51+25.0, 18.0' LT CATCH BASIN TY A-4-24 RIM EL.= 882.39 12" E. I.E. = 878.09	<b>A9-A</b> STA. 46+22.6, 54.1' LT CATCH BASIN TY A-24 RIM EL.= 892.83 12" S. I.E. = 889.03	<b>A12-B</b> STA. 40+34.9, 36.4' LT CATCH BASIN TY A-4-24 RIM EL.= 923.65 15" E. I.E. = 919.90	<b>A15-A</b> STA. 117+63.0, 21.0' RT CATCH BASIN TY A-4-24 RIM EL.= 891.35 24" N. I.E. = 892.41 24" S. I.E. = 892.41 12" W. I.E. = 894.85 12" E. I.E. = 894.72	<b>A18</b> STA. 121+74.0, 6.5' RT MANHOLE TY A-5-1-C.L. RIM EL.= 898.50 24" N. I.E. = 892.51 24" S. I.E. = 892.20 24" S. I.E. = 877.20	<b>B1-A</b> STA. 55+00.0, 13.5' LT CATCH BASIN TY A-5-24 GRATE EL.= 882.68 12" W. I.E. = 878.89 12" E. I.E. = 878.89 24" N. I.E. = 877.20 24" S. I.E. = 877.20
<b>A-6</b> STA. 50+00.0, 35.5' LT MANHOLE TY A-7-1-O.L. RIM EL.= 882.40 60"X38" ELL W. I.E. 878.29 60"X38" ELL E. I.E. 878.29 12" S. I.E. = 879.75	<b>A9-B</b> STA. 115+00.0, 52.0' LT CATCH BASIN TY A-8 RIM EL.= 888.43 12" S. I.E. = 885.50	<b>A13</b> STA. 114+02.8, 44.0' RT MANHOLE TY A-6-1-C.L. RIM EL.= 888.68 48" N. I.E. = 881.30 48" S. I.E. = 881.10 30" E. I.E. = 883.75	<b>A15-B</b> STA. 117+63.0, 26.6' LT CATCH BASIN TY A-4-24 RIM EL.= 891.24 12" E. I.E. = 888.14 12" W. I.E. = 887.74	<b>A18-A</b> STA. 121+56.5, 29.0' RT CATCH BASIN TY A-4-8 RIM EL.= 897.68 12" W. I.E. = 894.93	<b>B1-B</b> STA. 54+90.0, 13.5' LT CATCH BASIN TY C-24 RIM EL.= 882.70 12" E. I.E. = 879.11
<b>A6-A</b> MANHOLE TY A-7-1-O.L. RIM EL.= 885.67 48" W. I.E. = 878.54 48" E. I.E. = 878.54 12" S. I.E. = 881.65	<b>A9-C</b> STA. 115+00.0, 52.0' LT CATCH BASIN TY A-8 RIM EL.= 888.43 12" S. I.E. = 885.50	<b>A13-A</b> STA. 114+03.8, 55.0' RT MANHOLE TY A-6-1-C.L. RIM EL.= 888.28 30" W. I.E. = 884.00 EX 30" I.E. = 884.00	<b>A15-C</b> STA. 117+63.0, 35.0' LT CATCH BASIN TY C-8 RIM EL.= 891.22 12" E. I.E. = 888.22	<b>A18-B</b> STA. 121+92.0, 28.5' LT CATCH BASIN TY A-4-8 RIM EL.= 898.75 12" E. I.E. = 895.03	<b>B1-C</b> STA. 55+00.0, 35.8' LT 24" RCFES 24" S. I.E. = 877.40
<b>A6-B</b> STA. 48+70.0, 47.9' RT CATCH BASIN TY C-24 RIM EL.= 887.43 12" N. I.E. = 883.50	<b>A10</b> STA. 45+00.0, 49.5' LT MANHOLE TY A-4-1-O.L. RIM EL.= 899.8 30" W. I.E. = 896.46 15" E. I.E. = 892.54 12" S. I.E. = 896.46	<b>A13-B</b> STA. 114+42.5, 42.0' RT MANHOLE TY A-7-1-C.L. RIM EL.= 889.27 42" N. I.E. = 882.55 48" S. I.E. = 882.55 12" NW. I.E. = 885.56	<b>A16</b> STA. 119+75.0, 30.0' RT MANHOLE TY A-6-1-C.L. RIM EL.= 894.43 12" NE. I.E. = 891.54 24" N. I.E. = 889.05 15" E. I.E. = 896.45 15" W. I.E. = 896.85	<b>A19</b> STA. 123+07.0, 29.5' LT CATCH BASIN TY A-8 RIM EL.= 903.00 12" N. I.E. = 896.78 15" E. I.E. = 896.45 15" W. I.E. = 896.85	<b>B1-D</b> STA. 55+00.0, 47.5' RT 24" RCFES W/ GRATE 24" N. I.E. = 876.60
<b>A6-C</b> STA. 50+00.0, 18.0' LT CATCH BASIN TY A-4-24 RIM EL.= 883.5 12" N. I.E. = 880.45	<b>A10-A</b> STA. 45+00.0, 30.0' LT CATCH BASIN TY A-4-24 RIM EL.= 900.42 12" S. I.E. = 896.67 12" N. I.E. = 896.57	<b>A13-C</b> STA. 114+50.0, 31.5' RT CATCH BASIN TY A-4-24 RIM EL.= 888.60 12" SE. I.E. = 885.60	<b>A16-A</b> STA. 119+85.0, 21.0' RT CATCH BASIN TY A-4-24 RIM EL.= 894.39 12" SE. I.E. = 891.63	<b>A19-B</b> STA. 123+07.0, 20.7' RT CATCH BASIN TY A-4-24 RIM EL.= 903.48 12" N. I.E. = 899.82 15" W. I.E. = 899.40	<b>B-2</b> STA. 56+26.0, 13.5' LT CATCH BASIN TY A-4-24 RIM EL.= 883.17 12" E. I.E. = 879.41 12" S. I.E. = 878.34
<b>A-7</b> STA. 48+55.0, 33.4' LT MANHOLE TY A-7-1-O.L. RIM EL.= 885.55 48" N. I.E. = 878.57 60"X38" ELL E. I.E. 878.57 12" S. I.E. = 881.53					<b>B1-E</b> STA. 55+00.0, 47.5' RT 24" RCFES W/ GRATE 24" N. I.E. = 876.60
					<b>B-2</b> STA. 56+26.0, 44.8' RT 12" RCFES 12" N. I.E. = 877.78

STORM SEWER PIPE TABLE				TRENCH BACKFILL (CY)	
A1	6 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.6
A1-A	12 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	1.9
A1-B	6 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.6
A5	11 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	1.7
A6	92 LF	- 60"X38" ELL.	0.20%	CLASS A, TYPE 1	5.9
A6-B	63 LF	- 12 INCH	2.50%	CLASS A, TYPE 2	10.9
A6-C	14 LF	- 12 INCH	5.00%	CLASS A, TYPE 1	1.2
A7	138 LF	- 60"X38" ELL.	0.20%	CLASS A, TYPE 2	46.6
A7-A	91 LF	- 48 INCH	1.86%	CLASS A, TYPE 2	12.2
A7-B	12 LF	- 12 INCH	2.50%	CLASS A, TYPE 2	2.9
A8	84 LF	- 24 INCH	1.30%	CLASS A, TYPE 2	91.8
A8-A	23 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	3.7
A9	41 LF	- 24 INCH	0.46%	CLASS A, TYPE 2	53.1
A9-A	8 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	1.1
A9-C	52 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.0
A9-D	24 LF	- 24 INCH	0.50%	CLASS A, TYPE 2	19.1
A10	93 LF	- 15 INCH	6.00%	CLASS A, TYPE 2	0.0
A10-A	16 LF	- 12 INCH	0.70%	CLASS A, TYPE 1	2.3
A10-B	56 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	5.4
A11	190 LF	- 15 INCH	4.00%	CLASS A, TYPE 2	0.0
A11-A	17 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	2.6
A11-B	50 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	4.6
A12	271 LF	- 15 INCH	2.30%	CLASS A, TYPE 3	124.5
A12-A	10 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	1.4
A13	24 LF	- 48 INCH	3.50%	CLASS A, TYPE 2	28.7
A13-A	7 LF	- 30 INCH	3.60%	CLASS A, TYPE 1	2.0
A13-B	36 LF	- 48 INCH	3.50%	CLASS A, TYPE 1	31.8
A13-C	9 LF	- 12 INCH	0.50%	CLASS A, TYPE 1	1.7
A14	96 LF	- 42 INCH	1.40%	CLASS A, TYPE 2	45.9
A14-A	6 LF	- 12 INCH	2.00%	CLASS A, TYPE 2	0.0
A14-B	49 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	6.6
A14-C	5 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	0.0
A15	217 LF	- 42 INCH	1.30%	CLASS A, TYPE 2	0.0
A15-A	6 LF	- 12 INCH	2.00%	CLASS A, TYPE 2	0.0
A15-B	43 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	5.2
A15-C	4 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	0.0
A16	208 LF	- 42 INCH	0.50%	CLASS A, TYPE 2	0.0
A16-A	9 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	2.0
A16-B	47 LF	- 24 INCH	3.04%	CLASS A, TYPE 2	11.5
A16-C	5 LF	- 15 INCH	1.00%	CLASS A, TYPE 1	1.1
A16-D	4 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	0.0
A16-E	57 LF	- 24 INCH	10.00%	CLASS A, TYPE 2	0.0
A17	135 LF	- 24 INCH	2.93%	CLASS A, TYPE 2	30.5
A17-A	20 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	3.2
A17-B	43 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	6.4
A18	58 LF	- 24 INCH	1.55%	CLASS A, TYPE 1	7.6
A18-A	25 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	1.3
A18-B	35 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	4.3
A19	5 LF	- 15 INCH	1.00%	CLASS A, TYPE 2	4.1
A19-A	23 LF	- 15 INCH	1.00%	CLASS A, TYPE 2	16.8
A19-B	24 LF	- 15 INCH	1.00%	CLASS A, TYPE 1	1.1
A19-C	2 LF	- 12 INCH	2.00%	CLASS A, TYPE 1	0.2
A19-D	129 LF	- 24 INCH	1.46%	CLASS A, TYPE 2	44.1
B1	6 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.6
B1-A	55 LF	- 24 INCH	1.10%	CLASS A, TYPE 2	15.3
B1-B	6 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.6
B1-C	16 LF	- 24 INCH	1.25%	CLASS A, TYPE 2	0.0
B2	50 LF	- 24 INCH	1.15%	CLASS A, TYPE 2	6.2
B2-A	6 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	0.6
C1	16 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	2.4
C1-A	29 LF	- 24 INCH	1.00%	CLASS A, TYPE 2	0.0
C1-B	16 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	2.4
C2	16 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	2.1
C2-A	23 LF	- 24 INCH	1.00%	CLASS A, TYPE 2	16.4
C2-B	16 LF	- 12 INCH	1.00%	CLASS A, TYPE 1	2.0
C3	13 LF	- 24 INCH	1.00%	CLASS A, TYPE 2	0.0
C5	44 LF	- 18 INCH	0.93%	CLASS A, TYPE 1	3.3
D1	159 LF	- 12 INCH	1.00%	CLASS A, TYPE 2	36.0

PIPE UNDERDRAIN SCHEDULE					
DOWNSTREAM LOCATION			60107600		60100080
STA.	OFFSET (FT)	LT/RT	PIPE UNDERDRAINS 4" (FT)		CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)
IL 64					
43+00.0	25.6	RT	90		0
43+00.0	25.6	RT	16		0
43+00.0	28.2	LT	86		0
43+00.0	28.2	LT	16		0
45+00.0	30.0	LT	30		0
45+05.0	30.0	RT	30		0
52+00.0	17.5	LT	38		0
52+10.0	17.4	LT	38		0
54+90.0	13.5	LT	30		0
55+10.0	13.5	LT	30		0
59+78.1	13.5	RT	14		0
59+78.1	13.5	LT	14		0
60+18.0	13.5	LT	14		0
60+18.0	13.5	RT	14		0
IL 47					
103+95.0	23.5	RT	32		1
104+00.0	22.5	LT	32		0
115+44.0	21.0	RT	22		1
115+50.0	32.0	LT	55		0
119+75.0	21.0	LT	22		0
119+85.0	21.0	RT	22		0
120+99.5	30.4	RT	13		0
120+99.5	30.4	RT	13		0
121+37.4	29.5	LT	13		0
121+37.4	29.5	LT	13		0
121+56.5	29.0	RT	13		0
121+56.5	29.0	RT	13		0