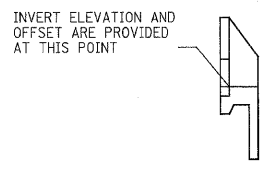


CONTRACT #62881

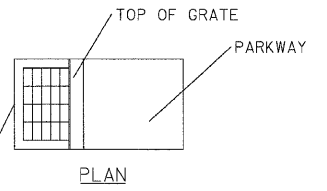
STORM SEWER / PIPE CULVERT SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CU YD)
1A	1-1	1-2	61	12	SS 2 RCP CL III 12	0.97	15.68
1B	1-2	1-3	4	12	SS 2 RCP CL III 12	0.75	1.07
1C	1-3	1-4	59	36	SS 1 RCP CL III 36	0.81	0.00
1UU	1-4	1-51	77	36	SS 1 RCP CL III 36	0.81	0.00
1D	1-10	N/A	30	18	SS 2 RCP CL III 18	0.50	6.15
1E	1-6	1-8	6	12	SS 2 RCP CL III 12	1.00	1.10
1F	1-7	1-9	6	12	SS 2 RCP CL III 12	1.00	1.48
1G	1-8	1-9	61	12	SS 2 RCP CL III 12	1.03	13.76
1H	1-9	1-10	5	12	SS 2 RCP CL III 12	0.60	1.18
1I	1-13	1-10	58	18	SS 1 RCP CL IV 18	0.45	0.00
1J	1-11	1-12	61	12	SS 2 RCP CL III 12	1.03	10.55
1K	1-12	1-13	5	12	SS 2 RCP CL III 12	0.60	0.92
1L	1-16	1-13	76	18	SS 1 RCP CL IV 18	0.46	0.00
1M	1-14	1-15	61	12	SS 1 RCP CL IV 12	1.03	8.05
1N	1-15	1-16	5	12	SS 1 RCP CL IV 12	0.60	0.71
1O	1-19	1-16	76	18	SS 1 RCP CL IV 18	0.46	0.00
1P	1-17	1-18	61	12	SS 1 RCP CL IV 12	0.87	8.66
1Q	1-18	1-19	5	12	SS 2 RCP CL III 12	0.60	0.81
1R	1-20	1-21	61	12	SS 1 RCP CL IV 12	1.03	8.05
1S	1-21	1-22	5	12	SS 1 RCP CL IV 12	0.60	0.66
1T	1-22	1-25	76	15	SS 1 RCP CL IV 15	0.47	0.00
1U	1-23	1-24	61	12	SS 2 RCP CL III 12	1.03	10.55
1V	1-24	1-25	5	12	SS 2 RCP CL III 12	0.60	0.92
1W	1-25	1-28	76	15	SS 2 RCP CL III 15	0.47	0.00
1X	1-26	1-27	61	12	SS 2 RCP CL III 12	1.03	15.04
1Y	1-27	1-28	5	12	SS 2 RCP CL III 12	0.60	1.34
1Z	1-28	1-30	71	15	SS 2 RCP CL III 15	0.46	0.00
1AA	1-29	1-30	5	12	SS 2 RCP CL III 12	1.00	1.71
1BB	1-31	1-29	66	12	SS 2 RCP CL III 12	1.03	21.81
1CC	1-30	1-32	112	15	SS 1 RCP CL IV 15	0.47	5.42
1DD	1-36	1-33	71	24	SS 1 RCP CL IV 24	0.41	0.00
1EE	1-34	1-35	65	12	SS 2 RCP CL III 12	1.03	16.02
1FF	1-35	1-36	13	12	SS 2 RCP CL III 12	0.85	1.60
1GG	1-41	1-36	101	24	SS 1 RCP CL IV 24	0.39	0.00
1HH	1-37	1-40	21	12	SS 2 RCP CL III 12	1.19	3.63
1II	1-38	1-39	6	12	SS 1 RCP CL IV 12	1.00	0.79
1JJ	1-39	1-40	73	12	SS 2 RCP CL III 12	1.03	11.10
1KK	1-40	1-41	5	12	SS 2 RCP CL III 12	0.60	1.13
1LL	1-42	1-39	16	12	SS 1 RCP CL IV 12	1.00	2.11
1MM	1-45	1-41	61	18	SS 2 RCP CL III 18	0.38	0.00
1NN	1-43	1-44	73	12	SS 1 RCP CL IV 12	1.03	11.10
1OO	1-44	1-45	5	12	SS 2 RCP CL III 12	0.60	0.97
1PP	1-47	1-45	89	18	SS 2 RCP CL III 18	0.37	0.00
1QQ	1-46	1-47	5	12	SS 2 RCP CL III 12	1.20	1.23
1RR	1-48	1-46	80	12	SS 2 RCP CL III 12	1.03	17.20
1SS	1-49	1-50	272	54	SS 2 RCP CL III 54	0.10	413.85
1TT	1-50	N/A	38	12	SS 2 RCP CL III 12	-0.26	12.63
1VV	1-50	1-58	48	12	SS 2 RCP CL III 12	0.08	30.20
1WW	1-56	1-3	148	36	SS 1 RCP CL III 36	0.80	0.00
1XX	1-53	1-52	20	15	P CUL CL A 1 15	0.70	2.42
1YY	1-54	1-55	27	15	P CUL CL A 1 15	5.93	3.27
TOTAL							664.86

DRAINAGE STRUCTURE SCHEDULE								
STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (W)	INVERT (E)
1-1	CB TA 4 DIA T24F&G	158+78.40	32.50	RT	691.02		686.38	
1-2	CB TA 4 DIA T24F&G	158+78.40	32.50	LT	691.02		685.75	685.79
1-3	MAN TA 5 DIA T1F CL	158+78.40	40.00	LT	690.71	685.69	685.71	685.72
1-4	MAN TA 7D T1FCL R-PLT	159+41.00	40.00	LT	690.26		685.21	685.16
1-51	PRC FLAR END SEC 36	159+40.29	43.29	RT				684.54
1-51A	GRATING-C FL END S 36	159+40.29	43.29	RT				684.54
1-6	INLETS TA T24F&G	159+78.40	32.50	LT	690.35	686.12		
1-7	INLETS TA T24F&G	159+78.40	32.50	RT	690.35	685.46		
1-8	CB TA 4 DIA T24F&G	159+88.50	32.50	LT	690.35		686.06	686.03
1-9	CB TA 4 DIA T24F&G	159+88.50	32.50	RT	690.35		685.40	685.39
1-10	MAN TA 5 DIA T1F CL	159+88.50	41.00	RT	689.88	685.71	685.33	685.36
1-11	CB TA 4 DIA T24F&G	160+50.00	32.50	LT	690.54			686.69
1-12	CB TA 4 DIA T24F&G	160+50.00	32.50	RT	690.54			686.02
1-13	MAN TA 5 DIA T1F CL	160+50.00	41.00	RT	690.08	685.99	685.97	685.99
1-14	CB TA 4 DIA T24F&G	161+30.00	32.50	LT	690.94			687.56
1-15	CB TA 4 DIA T24F&G	161+30.00	32.50	RT	690.94			686.89
1-16	MAN TA 5 DIA T1F CL	161+30.00	41.00	RT	690.48	686.37	686.34	686.86
1-17	CB TA 4 DIA T24F&G	162+10.00	32.50	LT	691.34			687.74
1-18	CB TA 4 DIA T24F&G	162+10.00	32.50	RT	691.34			687.07
1-19	MAN TA 5 DIA T1F CL	162+10.00	41.00	RT	690.88		686.72	687.04
1-20	CB TA 4 DIA T24F&G	162+90.00	32.50	LT	691.74			688.46
1-21	CB TA 4 DIA T24F&G	162+90.00	32.50	RT	691.74			687.79
1-22	MAN TA 5 DIA T1F CL	162+90.00	41.00	RT	691.28	687.73		687.76
1-23	CB TA 4 DIA T24F&G	163+70.00	32.50	LT	692.14			688.32
1-24	CB TA 4 DIA T24F&G	163+70.00	32.50	RT	692.14			687.65
1-25	MAN TA 5 DIA T1F CL	163+70.00	41.00	RT	691.68	687.35	687.37	687.62
1-26	CB TA 4 DIA T24F&G	164+50.00	32.50	LT	692.54			687.94
1-27	CB TA 4 DIA T24F&G	164+50.00	32.50	RT	692.54			687.27
1-28	MAN TA 5 DIA T1F CL	164+50.00	41.00	RT	692.08	686.96	686.99	687.24
1-29	CB TA 4 DIA T24F&G	165+25.00	32.50	RT	692.92			686.93
1-30	MAN TA 5 DIA T1F CL	165+25.00	41.00	RT	692.40	686.60	686.63	686.84
1-31	CB TA 4 DIA T24F&G	165+50.00	32.50	LT	693.04			687.61
1-32	PRC FLAR END SEC 15	166+40.00	55.88	RT			686.07	
1-33	PRC FLAR END SEC 24	166+74.94	53.33	RT		686.84		
1-34	CB TA 4 DIA T24F&G	167+50.00	32.50	LT	693.04			688.47
1-35	CB TA 4 DIA T24F&G	167+50.00	36.45	RT	692.96			687.26
1-36	MAN TA 5 DIA T1F CL	167+50.00	53.00	RT	691.23	687.15	687.13	687.15
1-37	INLETS TA T24F&G	168+30.07	42.61	RT	692.45	688.38		
1-38	INLETS TA T24F&G	168+45.00	32.50	LT	692.67	688.97		
1-39	CB TA 4 DIA T24F&G	168+55.00	32.50	LT	692.65	688.91	688.91	688.88
1-40	CB TA 4 DIA T24F&G	168+55.00	44.50	RT	692.41			688.09
1-41	MAN TA 5 DIA T1F CL	168+55.00	53.00	RT	693.06	688.06	687.54	688.06
1-42	CB TC T8G	168+74.00	40.00	LT	692.22		689.07	
1-43	CB TA 4 DIA T24F&G	169+20.00	32.50	LT	692.85			689.13
1-44	CB TA 4 DIA T24F&G	169+20.00	44.50	RT	692.61			688.34
1-45	MAN TA 5 DIA T1F CL	169+20.00	53.00	RT	692.87	688.31	688.29	688.31
1-46	CB TA 4 DIA T24F&G	170+12.79	44.50	RT	693.44			688.76
1-47	MAN TA 5 DIA T1F CL	170+12.79	53.00	RT	693.70		688.64	688.66
1-48	CB TA 4 DIA T24F&G	170+47.20	32.50	LT	694.00			689.58
1-49	MAN TA 7 DIA T1F CL	163+06.00	0.00	LT	692.51	683.12		
1-50	MAN TA 7 DIA T1F CL	165+85.00	0.00	LT	693.93	682.85	682.84	
1-52	PRC FLAR END SEC 15	164+77.73	48.00	LT		689.67		
1-53	PRC FLAR END SEC 15	164+97.73	48.00	LT			689.81	
1-54	PRC FLAR END SEC 15	165+70.20	47.30	LT		691.25		
1-55	PRC FLAR END SEC 15	165+96.83	53.70	LT			689.65	
1-56	TEMP SS PLUG 36	157+28.41	40.00	LT	691.06			
*1-57	FLAP GATE, 12	166+33.40	0.00	LT			682.80	
1-58	CIP RC END SEC 15	166+33.40	0.00	LT			682.80	

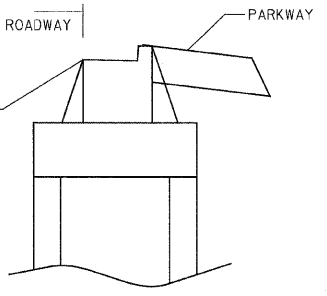
• PROVIDE REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS AT FLAP GATE LOCATION.



FLARED END SECTION AND HEADWALL DETAIL



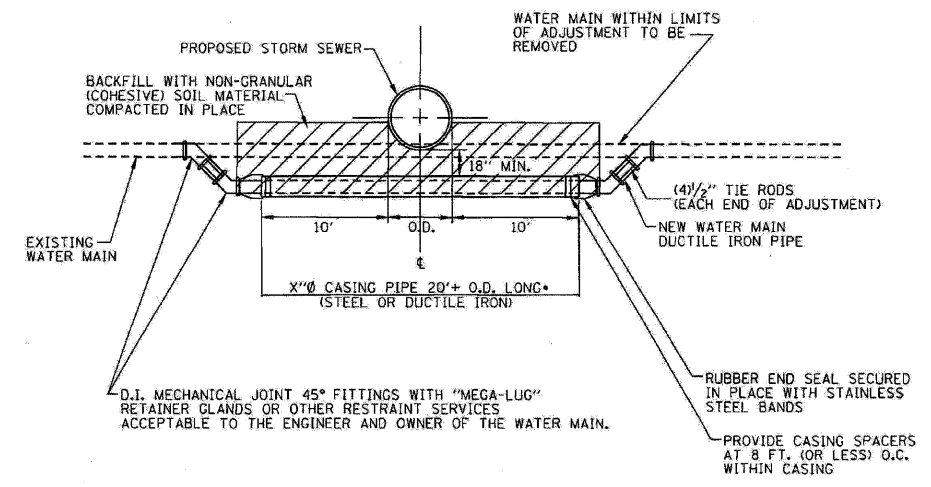
PROP. EDGE OF PAVEMENT RIM ELEVATION AND OFFSET ARE GIVEN AT THIS POINT



RIM ELEVATION AND OFFSET ARE GIVEN AT THIS POINT

DRAINAGE STRUCTURE LAYOUT DETAIL

OFFSETS FOR THE DRAINAGE STRUCTURES NOTED IN THE PLANS ARE AT EDGE OF PAVEMENT FOR DRAINAGE STRUCTURES WITHIN THE PAVEMENT. FOR DRAINAGE STRUCTURES OUTSIDE THE PAVEMENT, THE OFFSETS ARE TO THE CENTER OF OPENING.



WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.

ARRANGE CROSSING SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).

•WHERE PROPOSED STORM SEWER MEETS WATER MAIN REQUIREMENTS, CASING PIPE SHALL BE OMITTED.

WATER MAIN ADJUSTMENT/CASING DETAIL

LEGEND:

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
REFERENCE LINE/CENTERLINE AND STATIONING	10+00	
SWALE	↔	↔
DITCH	2 X 2 BOX	2 X 2 BOX
CULVERT SIZE - TYPE	2 X 2 BOX	2 X 2 BOX
BRIDGE LOCATION	⌢	⌢
STORM SEWER	—	—
SANITARY SEWER	- - -	- - -
END SECTION	◊	◊
CATCH BASIN	◊	◊
HEADWALL/ENDWALL	⌢	⌢
INLET	○	○
MANHOLE	○	○
RIGHT OF WAY LINE	—	—
PROP. TEMPORARY EASEMENT LINE		TT TT TT
FLOODPLAIN BOUNDARY	—	—
FLOODWAY BOUNDARY	—	—
OUTLET	←	←
FORCE MAIN MANHOLE	⊙	⊙
PIPE UNDERDRAIN	—	—

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 53 (FAU 2578)

DRAINAGE SCHEDULE

SCALE: NONE  
DATE: 6/12/09  
DRAWN BY: CDT  
CHECKED BY: EYC



G:\DOT\9356\_A0\_4L\53\Springbrook\Drawings\RDWY\shrs\Dr.a.drc\_sched.dgn  
 PDF(Grey\_Large).plt  
 6/10/2009 5:08:44 PM  
 tkceppert(Rdwy.Lis)