

**DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 LEFT SYSTEM - CONTINUED**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
11	11-21	11-21	11-23	STORM SEWERS	A	2	12	41.0	1.00%	9.5
11	11-22			NOT USED						
11	11-23	11-23	11-24	STORM SEWERS	A	2	12	8.0	1.00%	1.9
11	11-24	11-25	11-23	STORM SEWERS	A	2	12	42.0	1.00%	7.4
11	11-25	11-24	11-31	STORM SEWERS	A	2	66	212.0	0.15%	217.1
11	11-26	11-26	11-27	STORM SEWERS	A	1	12	42.0	1.00%	6.8
11	11-27	11-27	11-28	STORM SEWERS	A	2	12	41.0	1.00%	8.3
11	11-28	11-28	11-29	STORM SEWERS	A	2	12	21.0	1.00%	4.7
11	11-29	11-29	11-30	STORM SEWERS	A	2	12	16.0	1.00%	3.8
11	11-30	11-32	11-30	STORM SEWERS	A	2	12	47.0	1.00%	8.0
11	11-31	11-30	11-31	STORM SEWERS	A	2	12	8.0	1.00%	2.0
11	11-32	11-31	13-4	STORM SEWERS	A	2	66	272.0	0.15%	292.6

**DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 RIGHT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
12	12-1	12-2	12-4	STORM SEWERS	A	2	60	7.8	0.20%	10.2
12	12-2	12-3	12-4	STORM SEWERS (WM REQ)			18	15.2	1.00%	15.6
12	12-3	12-5	12-4	STORM SEWERS	A	2	12	8.6	1.00%	1.1
12	12-4	12-6	12-3	STORM SEWERS (WM REQ)			12	34.8	1.00%	0.0
12	12-5	12-4	12-8	STORM SEWERS	A	2	66	73.7	0.20%	128.6
12	12-6	12-7	12-9	STORM SEWERS	A	1	12	37.1	1.00%	5.5
12	12-7	12-9	12-8	STORM SEWERS	A	2	12	13.7	1.00%	2.4
12	12-8	12-8	12-13	STORM SEWERS	A	2	66	124.3	0.20%	178.8
12	12-9	12-10	12-11	STORM SEWERS	A	1	12	41.9	1.00%	6.4
12	12-10	12-11	12-14	STORM SEWERS	A	1	12	35.9	1.00%	4.8
12	12-11	12-12	12-13	STORM SEWERS, RG	A	1	12	19.8	1.00%	1.3
12	12-12	12-14	12-13	STORM SEWERS	A	2	12	14.3	1.00%	2.2
12	12-13	12-15	12-14	STORM SEWERS	A	1	12	22.0	1.00%	2.8
12	12-14	12-13	12-20	STORM SEWERS	A	2	66	100.8	0.20%	118.1
12	12-15	12-16	12-17	STORM SEWERS	A	2	12	1.8	2.00%	0.0
12	12-16	12-17	12-18	STORM SEWERS (WM REQ)			12	28.7	2.00%	28.6
12	12-17	12-18	12-20	STORM SEWERS (WM REQ)			42	45.0	0.50%	60.5
12	12-18	12-19	12-18	STORM SEWERS	A	2	18	5.1	2.00%	3.3
12	12-19	12-20	12-23	STORM SEWERS, RG	A	2	66	77.9	0.20%	82.7
12	12-20	12-21	12-22	STORM SEWERS (WM REQ)			12	61.6	1.00%	9.4
12	12-21	12-22	12-23	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.2
12	12-22	12-23	12-28	STORM SEWERS	A	1	66	172.0	0.20%	153.5
12	12-23	12-24	12-25	STORM SEWERS (WM REQ)			12	57.0	1.00%	9.4
12	12-24	12-25	12-27	STORM SEWERS (WM REQ)			12	56.0	1.00%	11.5
12	12-25	12-26	12-27	STORM SEWERS, RG	A	1	12	4.0	2.00%	0.0
12	12-26	12-27	12-28	STORM SEWERS, RG	A	2	15	8.0	2.00%	1.8
12	12-27	12-29	12-26	PIPE CULVERTS	A	1	12	24.7	2.00%	1.7
12	12-28	12-28	12-31	STORM SEWERS	A	1	66	65.1	0.20%	50.0
12	12-29	12-30	12-31	STORM SEWERS, RG	A	2	36	35.3	0.42%	22.4
12	12-30	12-31	12-36	STORM SEWERS	A	1	66	177.9	0.20%	130.4
12	12-31	12-32	12-33	STORM SEWERS (WM REQ)			12	47.0	1.00%	7.8
12	12-32	12-33	12-35	STORM SEWERS (WM REQ)			12	46.0	1.00%	9.5
12	12-33	12-34	12-35	STORM SEWERS, RG	A	1	12	9.0	1.00%	0.0
12	12-34	12-35	12-36	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.7
12	12-35	12-36	12-41	STORM SEWERS	A	1	66	102.0	0.20%	70.4
12	12-36	12-37	12-38	STORM SEWERS (WM REQ)			12	27.0	1.00%	4.2
12	12-37	12-38	12-40	STORM SEWERS (WM REQ)			12	21.0	1.00%	3.8
12	12-38	12-39	12-40	STORM SEWERS, RG	A	1	12	6.0	1.00%	0.0
12	12-39	12-40	12-41	STORM SEWERS, RG	A	2	15	8.0	1.00%	1.6
12	12-40	12-42	12-39	PIPE CULVERTS	A	1	12	22.3	1.00%	1.5
12	12-41	12-41	14-2	STORM SEWERS	A	1	72	91.5	0.20%	73.8
12	12-42	12-43	14-1	STORM SEWERS (WM REQ)			36	24.5	0.40%	25.5

**DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 LEFT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
13	13-1	13-1	13-3	STORM SEWERS	A	1	12	47.0	1.00%	7.6
13	13-2	13-2	13-3	STORM SEWERS	A	2	12	14.5	1.00%	3.8
13	13-3	13-3	13-4	STORM SEWERS	A	2	12	8.0	1.00%	4.9
13	13-4	13-4	13-7	STORM SEWERS	A	2	66	87.0	0.15%	90.6
13	13-5	13-5	13-6	STORM SEWERS	A	1	12	42.0	1.00%	6.7
13	13-6	13-6	13-7	STORM SEWERS	A	2	12	8.0	1.00%	1.6
13	13-7	13-8	13-6	STORM SEWERS	A	2	12	42.0	1.00%	7.5
13	13-8	13-7	13-14	STORM SEWERS	A	1	66	229.3	0.15%	209.2
13	13-9	13-9	13-11	STORM SEWERS	A	1	12	52.0	1.00%	8.5
13	13-10	13-10	13-11	STORM SEWERS	A	2	12	15.9	1.00%	2.0
13	13-11	13-11	13-12	STORM SEWERS	A	2	12	36.0	1.00%	24.8
13	13-12	13-12	13-13	STORM SEWERS	A	2	12	38.3	1.00%	28.5
13	13-13	13-13	13-14	STORM SEWERS	A	2	12	8.0	1.00%	5.4
13	13-14	13-15	13-13	STORM SEWERS	A	1	12	21.7	1.00%	3.3
13	13-15	13-14	13-17	STORM SEWERS, RG	A	1	66	99.7	0.15%	90.1
13	13-16	13-16	13-17	STORM SEWERS	A	2	12	8.0	1.00%	1.3
13	13-17	13-18	13-16	STORM SEWERS	A	1	12	46.0	1.00%	7.3
13	13-18	13-19	13-18	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-19	13-17	13-21	STORM SEWERS	A	2	66	162.0	0.15%	215.1
13	13-20	13-20	13-21	STORM SEWERS	A	2	12	8.0	1.00%	1.2
13	13-21	13-22	13-20	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-22	13-21	13-24	STORM SEWERS	A	2	66	112.0	0.15%	209.2
13	13-23	13-23	13-24	STORM SEWERS	A	2	12	8.0	1.00%	1.2
13	13-24	13-25	13-23	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-25	13-24	13-26	STORM SEWERS	A	2	66	56.7	0.15%	123.4
13	13-26	15-2	13-27	STORM SEWERS, RG	A	2	42	76.7	0.12%	141.3

**DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 RIGHT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
14	14-1	14-1	14-2	STORM SEWERS, RG	A	2	36	7.0	0.40%	6.0
14	14-2	14-2	14-8	STORM SEWERS	A	1	72	261.0	0.20%	218.5
14	14-3	14-3	14-4	STORM SEWERS, RG	A	2	12	6.9	1.00%	0.0
14	14-4	14-4	14-5	STORM SEWERS (WM REQ)			12	41.0	1.00%	15.2
14	14-5	14-5	14-6	STORM SEWERS (WM REQ)			12	41.0	1.00%	25.7
14	14-6	14-6	14-7	STORM SEWERS (WM REQ)			12	46.0	1.00%	31.3
14	14-7	14-7	14-8	STORM SEWERS, RG	A	2	18	7.0	2.00%	4.2
14	14-8	14-9	14-7	PIPE CULVERTS	A	1	18	32.5	2.00%	5.0
14	14-9	14-8	14-11	STORM SEWERS	A	1	72	54.4	0.20%	40.1
14	14-10	14-10	14-11	STORM SEWERS, RG	A	2	42	39.0	0.20%	29.4
14	14-11	14-11	14-14	STORM SEWERS	A	1	72	171.0	0.20%	114.6
14	14-12	14-12	14-13	STORM SEWERS (WM REQ)			12	54.3	1.00%	9.3
14	14-13	14-13	14-14	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.5
14	14-14	14-15	14-13	STORM SEWERS (WM REQ)			12	26.7	1.00%	4.1
14	14-15	14-14	14-17	STORM SEWERS, RG	A	1	72	98.5	0.20%	70.9
14	14-16	14-16	14-17	STORM SEWERS, RG	A	2	36	15.5	0.40%	6.3
14	14-17	14-17	14-19	STORM SEWERS	A	2	72	97.2	0.20%	101.5
14	14-18	14-18	14-19	STORM SEWERS, RG	A	2	12	5.5	1.00%	0.7
14	14-19A	14-20A	14-18	STORM SEWERS (WM REQ)			12	51.0	1.00%	8.1
14	14-19B	14-20B	14-20A	STORM SEWERS	A	2	12	52.0	1.00%	7.8
14	14-20	14-19	14-22	STORM SEWERS	A	2	72	157.0	0.20%	253.9
14	14-21	14-21	14-22	STORM SEWERS	A	2	12	5.5	1.00%	0.7
14	14-22	14-23	14-21	STORM SEWERS	A	1	12	52.0	1.00%	7.8
14	14-23	14-22	14-24	STORM SEWERS	A	2	72	76.6	0.20%	162.1
14	14-24	14-25	14-26	STORM SEWERS	A	1	EQ RS 36	95.0	0.25%	0.0
14	14-25	14-26	14-27	STORM SEWERS	A	1	EQ RS 36	110.9	0.25%	0.0
14	14-26	14-27	14-28	STORM SEWERS	A	1	EQ RS 36	93.1	0.25%	0.0

**DRAINAGE SHEET WILLOW ROAD STA 716+00 TO STA 728+00**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
15	15-1	15-1	15-2	STORM SEWERS, RG	A	2	12	10.5	1.00%	2.3
15	15-2	15-4	15-1	STORM SEWERS, RG	A	2	12	27.0	1.00%	4.7
15	15-3A	15-7A	15-2	STORM SEWERS	A	2	42	37.3	0.12%	61.6
15	15-3B	15-7B	15-7A	STORM SEWERS	A	2	42	52.3	0.12%	78.6
15	15-4	15-3	15-6	STORM SEWERS (WM REQ)			12	82.1	1.00%	11.4
15	15-5	15-5	15-6	STORM SEWERS, RG	A	1	12	8.6	1.00%	1.7
15	15-6	15-6	15-7B	STORM SEWERS, RG	A	2	12	42.0	1.00%	8.0