

**DRAINAGE SHEET WILLOW ROAD STA 625+00 TO STA 637+00 LEFT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
1	1-1	1-4	1-5	STORM SEWERS	A	1	12	4.0	1.00%	0.3
1	1-2	1-7	1-6	STORM SEWERS	A	1	12	8.0	1.00%	1.0

**DRAINAGES SHEET WILLOW ROAD STA 637+00 TO STA 649+00 LEFT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
2	2-1	2-3	2-2	STORM SEWERS	A	2	12	2.7	0.56%	0.6
2	2-2	2-6	2-5	STORM SEWERS	A	1	12	8.4	0.56%	0.0
2	2-3	2-7	2-8	STORM SEWERS	A	2	12	13.8	1.00%	2.1
2	2-4	18-3	2-11	STORM SEWERS	A	2	12	103.3	1.00%	19.7
2	2-5	2-11	2-12	STORM SEWERS	A	2	12	22.7	1.00%	5.4
2	2-6	2-12	2-13	STORM SEWERS	A	2	15	24.9	1.00%	0.0
2	2-7	2-13	2-14	STORM SEWERS	A	2	15	49.7	1.00%	47.0
2	2-8	2-15	18-1	STORM SEWERS	A	2	12	52.3	1.00%	10.7
2	2-9	2-16	2-15	STORM SEWERS	A	1	12	13.7	1.00%	1.9
2	2-10	2-18	2-17	STORM SEWERS	A	1	12	21.1	1.00%	3.1
2	2-11	2-17	18-2	STORM SEWERS	A	2	12	65.9	1.00%	14.6
2	2-12	2-19	2-20	STORM SEWERS	A	1	12	26.5	1.00%	3.5
2	2-13	2-21	2-20	STORM SEWERS	A	1	12	24.5	1.00%	3.7
2	2-14	2-20	2-23	STORM SEWERS	A	1	15	186.0	1.75%	33.9
2	2-15	2-22	2-23	STORM SEWERS	A	1	12	24.5	1.00%	2.5
2	2-16	2-24	2-23	STORM SEWERS	A	1	12	13.5	1.00%	1.7
2	2-17	2-23	2-27	STORM SEWERS	A	1	15	206.0	1.75%	32.3
2	2-18	2-25	2-26	STORM SEWERS	A	1	12	6.7	1.00%	0.0
2	2-19	2-26	2-27	STORM SEWERS	A	1	12	15.5	1.00%	1.3
2	2-20	2-27	4-1	STORM SEWERS	A	1	18	98.1	0.75%	17.5

**DRAINAGE SHEET WILLOW ROAD STA 637+00 TO STA 649+00 RIGHT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
3	3-1	3-2	3-1	STORM SEWERS	A	1	12	23.5	1.00%	2.5
3	3-2	3-1	3-3	STORM SEWERS	A	1	12	14.6	1.00%	2.1
3	3-3	3-3	17-9	STORM SEWERS	A	2	18	176.8	0.55%	58.8
3	3-4	3-5	3-3	STORM SEWERS	A	2	15	19.6	0.50%	4.1
3	3-5	3-4	3-5	STORM SEWERS	A	1	12	13.2	1.00%	1.8
3	3-6	3-6	3-5	STORM SEWERS, RG	A	2	15	60.0	0.50%	12.1
3	3-7	3-7	3-6	STORM SEWERS (WM REQ)			12	31.0	0.50%	3.8
3	3-8	3-8	3-7	STORM SEWERS (WM REQ)			12	20.8	0.50%	2.0
3	3-9	3-9	3-10	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.3
3	3-10	3-10	3-12	STORM SEWERS	A	1	15	196.0	1.75%	0.0
3	3-11	3-11	3-12	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.3
3	3-12	3-12	3-14	STORM SEWERS, RG	A	1	15	196.0	1.75%	0.0
3	3-13	3-13	3-14	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.2
3	3-14	3-14	5-1A	STORM SEWERS (WM REQ)			18	98.5	0.50%	2.9

**DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 LEFT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
4	4-1	4-2	4-3	STORM SEWERS	A	1	12	39.6	1.00%	3.3
4	4-2	4-3	4-6	STORM SEWERS	A	1	12	63.8	1.00%	10.3
4	4-3	4-5	4-4	STORM SEWERS	A	1	15	8.4	1.00%	0.0
4	4-4	4-6	4-5	STORM SEWERS	A	1	12	11.7	1.00%	0.0
4	4-5	4-8	4-7	STORM SEWERS	A	1	12	17.8	1.00%	0.4
4	4-6	4-9	4-10	STORM SEWERS	A	1	12	47.0	1.00%	7.7
4	4-7	4-10	4-11	STORM SEWERS	A	2	12	46.3	1.00%	9.6
4	4-8	4-11	4-12	STORM SEWERS	A	2	12	14.5	1.00%	0.0
4	4-9	4-13	4-14	STORM SEWERS	A	2	12	67.8	1.00%	12.6
4	4-10	4-14	4-16	STORM SEWERS	A	2	12	7.2	1.00%	1.3
4	4-11	4-16	4-15	STORM SEWERS	A	2	12	20.9	1.00%	0.0
4	4-12	4-17	4-16	STORM SEWERS	A	2	12	44.1	1.00%	9.2
4	4-13	4-18	4-17	STORM SEWERS	A	1	12	47.0	1.00%	7.8

**DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 RIGHT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
5	5-1	5-1B	5-1A	STORM SEWERS, RG	A	1	12	7.2	1.00%	0.0
5	5-2	N/A	5-1B	STORM SEWERS	A	1	12	13.9	0.06%	0.0
5	5-3	5-3	5-4	STORM SEWERS (WM REQ)			12	39.7	1.00%	3.8
5	5-4	5-4	5-6	STORM SEWERS (WM REQ)			12	66.4	1.00%	10.9
5	5-5	5-6	5-5	STORM SEWERS, RG	A	2	12	13.9	1.00%	0.0
5	5-6	5-8	5-7	STORM SEWERS, RG	A	1	12	11.2	1.00%	0.4
5	5-7	5-9	5-10	STORM SEWERS (WM REQ)			12	47.0	1.00%	7.1
5	5-8	5-10	5-12	STORM SEWERS (WM REQ)			12	46.0	1.00%	8.8
5	5-9	5-12	5-11	STORM SEWERS, RG	A	2	12	8.7	1.00%	0.0
5	5-10	5-13	5-14	STORM SEWERS (WM REQ)			12	57.8	1.00%	8.2
5	5-11	5-14	5-16	STORM SEWERS (WM REQ)			12	13.8	1.00%	2.2
5	5-12	5-16	5-15	STORM SEWERS, RG	A	2	12	6.5	1.00%	0.0
5	5-13	5-17	5-16	STORM SEWERS (WM REQ)			12	48.4	1.00%	8.1
5	5-14	5-18	5-19	STORM SEWERS, RG	A	1	12	10.1	1.00%	0.0

**DRAINAGE SHEETS WILLOW ROAD STA 661+00 TO STA 672+00 LEFT SYSTEM**

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
6	6-1	6-2	6-1	STORM SEWERS (WM REQ)			12	7.3	1.00%	0.5
6	6-2	6-4	6-3	STORM SEWERS	A	1	12	6.9	1.00%	0.4
6	6-3	6-5	6-7	STORM SEWERS	A	1	12	92.0	1.00%	5.7
6	6-4	6-7	6-6	STORM SEWERS	A	1	12	1.6	1.00%	0.0
6	6-5	6-8	6-9	STORM SEWERS	A	1	EQ RS 30	20.3	0.75%	4.3
6	6-6	6-9	6-13	STORM SEWERS	A	1	EQ RS 30	70.1	0.75%	18.4
6	6-7A	6-10	6-11	STORM SEWERS	A	1	12	32.0	1.00%	3.9
6	6-7B	6-11	6-12A	STORM SEWERS	A	1	12	38.1	1.00%	5.3
6	6-8A	6-12A	6-12B	STORM SEWERS, RG	A	2	30	5.6	1.00%	6.7
6	6-8B	6-12B	6-13	STORM SEWERS (WM REQ)			30	39.5	1.00%	73.8
6	6-9	6-13	6-23	STORM SEWERS, RG	A	2	48	218.2	0.50%	468.1
6	6-10	6-14	6-15	STORM SEWERS	A	1	12	62.0	1.00%	9.7
6	6-11	6-15	6-16	STORM SEWERS	A	2	12	61.0	1.00%	10.7
6	6-12	6-18	6-16	STORM SEWERS	A	2	12	62.0	1.00%	12.9
6	6-13			NOT USED						
6	6-14	6-16	6-23	STORM SEWERS	A	2	12	14.0	1.00%	4.0
6	6-15	6-19	6-20	STORM SEWERS (WM REQ)			12	82.0	1.00%	11.8
6	6-16	6-21	6-20	STORM SEWERS, RG	A	1	12	7.9	1.00%	0.0
6	6-17	6-20	6-22	STORM SEWERS (WM REQ)			15	66.0	1.00%	45.5
6	6-18	6-22	6-23	STORM SEWERS	A	2	15	38.0	1.00%	28.9
6	6-19	6-23	6-27	STORM SEWERS, RG	A	2	48	119.0	0.50%	247.9
6	6-20	6-24	6-26	STORM SEWERS (WM REQ)			12	57.0	1.00%	8.7
6	6-21	6-25	6-26	STORM SEWERS (WM REQ)			12	6.9	1.00%	0.0
6	6-22	6-26	6-27	STORM SEWERS (WM REQ)			15	37.9	1.00%	9.8
6	6-23	6-28	6-26	STORM SEWERS (WM REQ)			12	61.0	1.00%	13.0
6	6-24	6-29	6-28	STORM SEWERS (WM REQ)			12	19.5	1.00%	2.2
6	6-25	6-27	6-33	STORM SEWERS, RG	A	2	48	134.0	0.50%	263.4
6	6-26	6-30	6-31	STORM SEWERS	A	1	12	65.5	1.00%	10.4
6	6-27	6-31	6-32	STORM SEWERS	A	2	12	7.5	1.00%	1.0
6	6-28	6-32	6-33	STORM SEWERS	A	2	12	22.3	1.00%	5.1
6	6-29	6-33	8-2	STORM SEWERS	A	2	48	165.0	0.50%	308.5
6	6-30	6-34	6-35	STORM SEWERS (WM REQ)			12	32.0	1.00%	4.7
6	6-31	6-35	6-37	STORM SEWERS (WM REQ)			12	25.5	1.00%	3.9
6	6-32	6-36	6-37	STORM SEWERS, RG	A	1	12	7.0	1.00%	0.0
6	6-33	6-37	8-1	STORM SEWERS (WM REQ)			12	49.3	1.00%	8.4