



EXISTING STRUCTURE INVENTORY

Structure Designation	Size (in)	Length (ft)	Slope (%)	Material	Capacity (cfs)
Pipe 1	36	...	?	RCP	38.39
Pipe 2	24	132	2.88	RCP	50.74
Pipe 3	24	457	5.03	RCP	34.93
Pipe 4	21	235	4.86	RCP	25.00
Pipe 5	21	55	2.49	RCP	60.28
Pipe 6	24	265	7.10	RCP	56.74
Pipe 7	24	141	6.29	RCP	73.67
Pipe 8	36	214	1.22	RCP	14.86
Pipe 9	18	12	2.00	RCP	73.67
Pipe 10	36	123	1.22	RCP	14.86
Pipe 10A	18	20	2.00	RCP	14.86
Pipe 11	18	16	2.00	RCP	38.39
Pipe 12A	36	174	2.20	RCP	142.90
Pipe 12	36	605	4.59	RCP	57.68
Pipe 13	30	85	6.74	CMP	105.46
Pipe 14	36	390	2.50	RCP	31.99
Pipe 15	24	42	2.00	RCP	14.86
Pipe 16	18	25	2.00	RCP	71.04
Pipe 17	30	900	3.00	RCP	34.61
Pipe 18	24	35	2.34	RCP	50.59
Pipe 19	24	7	4.00	RCP	32.03
Pipe 20	30	470	5.00	RCP	39.19
Pipe 21	24	48	2.85	RCP	45.53
Pipe 21A	24	58	4.05	RCP	37.65
Pipe 22	24	61	2.77	RCP	3.78
Pipe 23	12	270	1.50	CIP	32.39
Pipe 24	18	220	9.51	RCP	0.00
Pipe 25	24	Plugged	?	CMP	157.48
Pipe 26	42	438	2.45	RCP	18.94
Pipe 27	24	44	2.39	CMP	135.66
Pipe 28	48	106	3.04	CMP	47.78
Pipe 29	27	149	2.38	RCP	0.00
Pipe 30	30	42	-0.26	RCP	60.53
Pipe 31	33	242	1.31	RCP	24.78
Pipe 32	24	41	1.20	RCP	50.08
Pipe 33	24	10	4.90	RCP	23.29
Pipe 35	21	37	2.16	RCP	46.56
Pipe 36	27	53	2.26	RCP	185.54
Pipe 37	36	205	6.16	RCP	227.12
Pipe 38	48	316	2.50	RCP	227.12
Pipe 39	48	316	2.50	RCP	31.99
Pipe 40	24	10	2.00	RCP	31.99
Pipe 41	24	28	2.00	RCP	31.99
Pipe 42	24	58	2.00	RCP	31.99
Pipe 43	24	58	2.00	RCP	31.99
Pipe 44	24	270	3.00	RCP	39.18
Pipe 45	24	20	2.00	RCP	31.99
Pipe 46	24	50	2.00	RCP	31.99
Pipe 47	24	50	2.00	RCP	31.99

Structure Designation	Length (ft)	Width (ft)	Structure Type
Struct 1	8		Curb Inlet
Struct 2	10		Curb Inlet
Struct 3	8		Curb Inlet
Struct 4	8		Curb Inlet
Struct 5	4	2	Grated Inlet
Struct 6	4	2	Grated Inlet
Struct 7	4	2	Grated Inlet
Struct 8	6		Curb Inlet
Struct 9	6		Curb Inlet
Struct 10	6		Curb Inlet
Struct 11	6		Curb Inlet
Struct 12	10		Curb Inlet
Struct 13	10		Curb Inlet
Struct 14	10		Curb Inlet
Struct 15	10		Curb Inlet
Struct 16	10		Curb Inlet
Struct 17	1.8	1.3	Chase
Struct 18	4		Chase
Struct 19	4.5		Chase
Struct 20	4.5		Chase
Struct 21	3.4	2	Grated Inlet
Struct 22	3.4	2	Grated Inlet
Struct 23	6		Curb Inlet
Struct 24	25		Curb Inlet
Struct 25	4	2	Grated Inlet
Struct 26	4	2	Grated Inlet
Struct 27	10		Curb Inlet
Struct 28	10		Curb Inlet
Struct 29	10		Curb Inlet
Struct 30	10		Curb Inlet
Struct 31	12		R Inlet
Struct 32	8		Curb Inlet
Struct 33	10		Curb Inlet

Structure Designation	Top width (ft)	Bot. width (ft)	Height (ft)	Side Slope	Slope (%)	Area (sq ft)	Hyd. Rad. (ft)	Capacity (cfs)
Chan A	2.50	2.50	2.00	0.00	1.36	2.50	0.56	27.04
Chan B	6.00	3.00	0.75	2.00	0.80	2.25	0.37	11.75
Chan C	6.00	2.00	2.00	1.00	6.06	4.00	0.62	81.67
Chan D	18.00	8.00	4.00	1.25	0.60	39.00	1.98	545.14
Chan E	10.00	2.00	4.00	1.00	2.00	18.00	1.50	381.29
Chan F	6.00	1.50	1.86	1.22	2.10	3.19	0.51	33.49
Chan G	27.00	12.00	5.78	1.30	4.00	93.21	3.13	4558.84
Chan H	20.00	12.00	4.00	1.00	1.72	48.50	2.18	1210.49
Chan I	13.50	5.00	3.77	0.90	2.58	27.01	1.76	723.50
Chan J	11.50	4.50	3.97	0.88	2.35	23.76	1.74	801.57
Chan K	16.50	8.50	4.00	1.00	0.87	37.50	2.03	582.52

Structure Designation	Area (ac)	Depth (ft)	Volume (ac-ft)
Pond 1	0.1048	9	0.336

Legend

- Existing Storm Sewer
- Existing Drainage Structures
- Flow Direction
- Basin Boundary
- Old Basin Boundary
- Hydrologic Soil Group Boundary
- Hydrologic Soil Group Classification
- Design Flows

100 Year Storm Structure Designation	Flow into Structure	Flow into Structure/ Pipe	Flow bypassing Structure	Depth of Ponding	Normal Depth in Channel/Pipe	Channel Freeboard	10 Year Storm Flow into Structure	Flow into Structure/ Pipe	Flow bypassing Structure	Depth of Ponding	Normal Depth in Channel/Pipe	Channel Freeboard
Struct 2	29.70	12.20	17.50	---	---	---	19.10	10.30	8.80	---	---	---
Struct 4	2.00	2.00	0.00	0.68	---	---	1.40	1.40	0.00	---	---	0.36
Struct 5	17.70	17.70	0.00	---	---	---	11.40	11.40	0.00	---	---	0.14
Struct 7	7.30	0.00	7.30	---	---	---	4.50	4.50	0.00	---	---	1.26
Struct 8	81.90	14.50	67.40	1.26	---	---	45.70	14.50	31.20	---	---	1.23
Struct 9	72.30	1.90	70.40	1.23	---	---	34.50	14.50	20.00	---	---	1.59
Struct 10	173.50	Surcharge	173.50	1.59	---	---	81.50	Surcharge	81.50	---	---	---
Struct 11	178.80	Surcharge	178.80	---	---	---	85.10	Surcharge	85.10	---	---	---
Struct 12	51.70	20.00	31.70	---	---	---	24.00	14.90	9.10	---	---	---
Struct 13	17.90	8.20	9.70	---	---	---	6.00	5.00	1.00	---	---	---
Struct 14	89.70	41.00	48.70	---	---	---	55.20	33.20	22.00	---	---	---
Struct 15	28.80	13.70	15.10	1.00	---	---	11.90	7.70	4.20	---	---	0.89
Struct 16	41.20	30.70	10.50	---	---	---	25.70	25.70	0.00	---	---	---
Struct 17	34.10	1.80	32.30	---	---	---	21.70	1.80	19.90	---	---	---
Struct 18	5.20	5.20	0.00	0.44	---	---	3.40	3.40	0.00	0.32	---	---
Pipe 2	---	12.20	---	---	0.77	---	---	10.30	---	---	---	0.71
Pipe 4	---	2.00	---	---	0.28	---	---	1.40	---	---	---	0.24
Pipe 5	---	2.00	---	---	0.33	---	---	1.40	---	---	---	0.28
Pipe 6	---	12.10	---	---	0.61	---	---	7.10	---	---	---	0.46
Pipe 7	---	29.80	---	---	1.03	---	---	18.50	---	---	---	0.79
Pipe 8	---	82.50	---	7.65	Full	---	---	48.30	---	---	---	1.77
Pipe 10	---	82.50	---	---	Full	---	---	52.80	---	---	---	1.89
Pipe 10A	---	14.50	---	---	Full	---	---	14.50	---	---	---	Full
Pipe 11	---	1.90	---	---	0.36	---	---	14.50	---	---	---	1.63
Pipe 12	---	98.90	---	---	1.84	---	---	81.80	---	---	---	2.08
Pipe 12A	---	98.90	---	---	2.24	---	---	81.80	---	---	---	1.32
Pipe 13	---	14.40	---	---	0.85	---	---	31.50	---	---	---	2.79
Pipe 14	---	113.30	---	---	2.79	---	---	113.30	---	---	---	---
Pipe 15	---	0.00	---	---	---	---	---	0.00	---	---	---	Full
Pipe 16	---	0.00	---	---	Full	---	---	76.40	---	---	---	0.50
Pipe 17	---	65.40	---	---	0.00	---	---	4.90	---	---	---	0.42
Pipe 18	---	0.00	---	---	---	---	---	5.00	---	---	---	1.71
Pipe 19	---	0.00	---	---	---	---	---	66.60	---	---	---	1.44
Pipe 20	---	85.40	---	---	2.16	---	---	33.40	---	---	---	1.27
Pipe 21	---	41.00	---	---	Full	---	---	33.20	---	---	---	1.21
Pipe 21A	---	44.40	---	---	1.60	---	---	25.70	---	---	---	0.49
Pipe 22	---	30.70	---	---	1.37	---	---	1.80	---	---	---	0.41
Pipe 23	---	1.80	---	---	0.49	---	---	3.40	---	---	---	5.00
Pipe 24	---	5.20	---	---	0.41	---	---	189.70	---	---	---	Full
Pipe 26	---	75.00	---	---	5.00	---	---	198.80	---	---	---	Full
Pipe 37	---	186.70	---	---	Full	---	---	189.70	---	---	---	Full
Chan A	6.80	6.80	---	---	1.49	---	4.00	4.00	---	---	---	0.36
Chan J	410.20	410.20	---	---	2.59	1.38	273.80	273.80	---	---	---	2.07