

F
E
D
C
B
A

Plotted: Jun 1, 2020, 1:55 PM by user: john - Saved: 01/12/2020 by user: john
R:\ROCKWALL\STONE CREEK ELEM\SET\STONE CREEK ELEM ENG - RECORD SET.dwg

TO	FROM	PIPE LENGTH	Drainage Area				Runoff Coefficient "C"	Incremental "CA"	Total "CA"	Time of Concentration 5 yr				Q5	Q100	Design Conduit				Friction Slope "S"	HGL		Velocity		Headloss Calculations				Invert Elev		Comments						
			No.	acres	ft	ft				min	min	min	min			ft	in (ft)	ft	ft		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft		ft	ft	ft	ft	ft	
STORM DRAIN LINE A																																					
1+56.16	0+87.62	68.5	D	0.29	0.29	0.70	0.20	0.20	NA	NA	NA	9.80	1.99	NA	0.0	1.99	1	0.0	18	0.0067	1.50	0.013	0.0004	531.24	531.27	1.13	0.00	0.02	0.00	1.50	0.00	0.02	531.29	530.41	529.95	534.41	10' CURB INLET
0+87.62	0+39.81	47.8	W	0.09	0.38	0.70	0.06	0.27	NA	NA	NA	9.80	2.61	NA	0.0	2.61	1	0.0	18	0.0067	1.50	0.013	0.0006	531.19	531.22	1.48	1.13	0.03	0.02	0.60	0.01	0.02	531.24	529.95	529.64	537.21	LAT A2
0+39.81	0+35.10	4.7	E	0.54	0.92	0.70	0.38	0.64	NA	NA	NA	9.80	6.31	NA	0.0	6.31	1	0.0	18	0.0067	1.50	0.013	0.0036	531.00	531.01	3.57	1.48	0.20	0.03	0.60	0.02	0.18	531.19	529.64	529.60	538.00	LAT A1
0+35.10	0+00.00	35.1	NA	NA	0.92	0.70	0.00	0.64	NA	NA	NA	9.80	6.31	NA	0.0	6.31	1	0.0	18	0.0067	1.50	0.013	0.0036	530.87	531.00	0.00	3.57	0.00	0.20	0.35	0.07	0.00	531.00	529.60	529.37	538.00	45° BEND
Notes:																																					
STORM DRAIN LINE B																																					
2+57.35	2+12.10	45.3	J1	0.20	0.20	0.70	0.14	0.14	NA	NA	NA	9.80	1.37	NA	0.0	1.37	1	0.0	18	0.0316	1.50	0.013	0.0002	531.17	531.17	0.78	0.00	0.01	0.00	1.50	0.00	0.01	531.18	537.50	536.07	541.50	10' CURB INLET
2+12.10	1+90.22	21.9	NA	NA	0.20	0.70	0.00	0.14	NA	NA	NA	9.80	1.37	NA	0.0	1.37	1	0.0	18	0.0316	1.50	0.013	0.0002	531.16	531.16	0.78	0.00	0.01	0.01	0.35	0.00	0.01	531.17	536.07	535.38	541.21	45° BEND
1+90.22	1+09.27	81.0	S	0.18	0.38	0.70	0.13	0.27	NA	NA	NA	9.80	2.61	NA	0.0	2.61	1	0.0	18	0.0316	1.50	0.013	0.0006	531.08	531.13	1.48	0.78	0.03	0.01	0.60	0.01	0.03	531.16	535.38	532.82	541.11	LAT B2
1+09.27	0+46.85	62.4	H	0.19	0.57	0.70	0.13	0.40	NA	NA	NA	9.80	3.91	NA	0.0	3.91	1	0.0	18	0.0316	1.50	0.013	0.0014	530.93	531.02	2.21	1.48	0.08	0.03	0.60	0.02	0.06	531.08	532.82	530.85	540.50	LAT B1
0+46.85	0+00.00	46.9	NA	NA	0.57	0.70	0.00	0.40	NA	NA	NA	9.80	3.91	NA	0.0	3.91	1	0.0	18	0.0316	1.50	0.013	0.0014	530.87	530.93	0.00	2.21	0.00	0.08	0.35	0.03	0.00	530.93	530.85	529.37	540.21	45° BEND
Notes:																																					
STORM DRAIN LINE C																																					
10+19.96	10+00.24	19.7	F	1.05	1.05	0.70	0.74	0.74	NA	NA	NA	9.80	7.20	NA	0.0	7.20	1	0.0	24	0.0030	2.00	0.013	0.0010	536.17	536.19	2.29	0.00	0.08	0.00	1.50	0.00	0.08	536.27	534.23	534.17	542.08	ROOF DRAIN
10+00.24	9+86.11	14.1	NA	NA	1.05	0.70	0.00	0.74	NA	NA	NA	9.80	7.20	NA	0.0	7.20	1	0.0	24	0.0030	2.00	0.013	0.0010	536.10	536.11	2.29	0.00	0.08	0.08	0.35	0.03	0.05	536.17	534.17	534.13	542.00	45° BEND
9+86.11	9+52.31	33.8	NA	NA	1.05	0.70	0.00	0.74	NA	NA	NA	9.80	7.20	NA	0.0	7.20	1	0.0	24	0.0030	2.00	0.013	0.0010	536.01	536.05	2.29	0.00	0.08	0.08	0.35	0.03	0.05	536.10	534.13	534.03	542.08	45° BEND
9+52.31	9+07.31	45.0	M	0.29	1.34	0.70	0.20	0.94	NA	NA	NA	9.80	9.19	NA	0.0	9.19	1	0.0	24	0.0030	2.00	0.013	0.0016	537.85	537.93	2.93	2.29	0.13	0.08	0.60	0.05	0.08	538.01	534.03	533.89	542.47	LAT C4
9+07.31	8+62.31	45.0	M	0.29	1.63	0.70	0.20	1.14	NA	NA	NA	9.80	11.18	NA	0.0	11.18	1	0.0	24	0.0030	2.00	0.013	0.0024	537.63	537.74	3.56	2.59	0.20	0.13	0.60	0.08	0.12	537.85	533.89	533.76	543.00	LAT C3
8+62.31	8+56.68	5.6	M	0.29	1.62	0.70	0.20	1.34	NA	NA	NA	9.80	13.17	NA	0.0	13.17	1	0.0	24	0.0030	2.00	0.013	0.0034	537.45	537.47	4.19	2.56	0.27	0.20	0.60	0.12	0.15	537.63	533.76	533.74	543.00	LAT C2
8+56.68	8+49.60	7.1	NA	NA	1.62	0.70	0.00	1.34	NA	NA	NA	9.80	13.17	NA	0.0	13.17	1	0.0	24	0.0030	2.00	0.013	0.0034	537.25	537.28	4.19	4.19	0.27	0.27	0.35	0.10	0.18	537.45	533.74	533.72	542.98	45° BEND
8+49.60	8+23.92	25.7	NA	NA	1.92	0.70	0.00	1.34	NA	NA	NA	9.80	13.17	NA	0.0	13.17	1	0.0	24	0.0030	2.00	0.013	0.0034	536.99	537.08	4.19	4.19	0.27	0.27	0.35	0.10	0.18	537.25	533.72	533.64	542.60	45° BEND
8+23.92	7+88.48	35.4	NA	NA	1.92	0.70	0.00	1.34	NA	NA	NA	9.80	13.17	NA	0.0	13.17	1	0.0	24	0.0030	2.00	0.013	0.0034	536.76	536.88	4.19	4.19	0.27	0.27	0.60	0.16	0.11	536.99	533.64	533.54	542.12	LAT C1
7+88.48	7+85.08	3.4	LJ2	0.86	2.78	0.70	0.60	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	24	0.0030	2.00	0.013	0.0071	536.33	536.35	6.07	4.19	0.57	0.27	0.60	0.16	0.41	536.76	533.54	533.53	542.08	LAT C6
7+85.08	7+22.16	62.9	NA	NA	2.78	0.70	0.00	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	24	0.0030	2.00	0.013	0.0071	535.65	536.10	6.07	6.07	0.57	0.57	0.60	0.34	0.23	536.33	533.53	533.34	542.08	LAT C0
7+22.16	6+43.19	79.0	NA	NA	2.78	0.70	0.00	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	24	0.0030	2.00	0.013	0.0071	534.86	535.42	6.07	6.07	0.57	0.57	0.60	0.34	0.23	535.65	533.34	533.10	542.90	LAT C9
6+43.19	6+10.31	32.9	NA	NA	2.78	0.70	0.00	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	24	0.0030	2.00	0.013	0.0071	534.40	534.63	6.07	6.07	0.57	0.57	0.60	0.34	0.23	534.86	533.10	533.00	542.47	LAT C8
6+10.31	5+45.73	64.6	NA	NA	2.78	0.70	0.00	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	24	0.0030	2.00	0.013	0.0071	533.71	534.17	6.07	6.07	0.57	0.57	0.60	0.34	0.23	534.40	533.00	532.81	542.60	LAT C7
5+45.73	5+08.60	37.1	NA	NA	2.78	0.70	0.00	1.95	NA	NA	NA	9.80	19.07	NA	0.0	19.07	1	0.0	36	0.0084	3.00	0.013	0.0008	533.68	533.71	2.70	6.07	0.11	0.57	0.40	0.23	0.00	533.71	532.81	532.50	542.00	PIPE SIZE CHANGE
5+08.60	4+57.46	51.1	T	0.07	2.85	0.70	0.05	2.00	NA	NA	NA	9.80	19.55	NA	0.0	19.55	1	0.0	36	0.0084	3.00	0.013	0.0009	533.64	533.68	2.77	6.07	0.12	0.57	0.60	0.34	0.00	533.68	532.50	532.07	542.00	LAT C5
4+57.46	4+03.67	53.8	NA	NA	2.85	0.70	0.00	2.00	NA	NA	NA	9.80	19.55	NA	0.0	19.55	1	0.0	36	0.0084	3.00	0.013	0.0009	533.54	533.59	2.77	2.77	0.12	0.12	0.60	0.07	0.05	533.64	532.07	531.62	541.00	LAT C5
4+03.67	3+75.38	28.3	NA	NA	2.85	0.70	0.00	2.00	NA	NA	NA	9.80	19.55	NA	0.0	19.55	1	0.0	36	0.0084	3.00	0.013	0.0009	533.44	533.47	2.77	2.77	0.12	0.12	0.35	0.04	0.08	533.54	531.62	531.38	539.02	45° BEND
3+75.38	2+85.20	90.2	NA	NA	2.85	0.70	0.00	2.00	NA	NA	NA	9.80	19.55	NA	0.0	19.55	1	0.0	36	0.0084	3.00	0.013	0.0009	533.29	533.36	2.77	2.77	0.12	0.12	0.35	0.04	0.08	533.44	531.38	530.63	539.00	45° BEND
2+85.20	2+45.36	39.8	NA	NA	2.85	0.70	0.00	2.00	NA	NA	NA	9.80	19.55	NA	0.0	19.55	1	0.0	36	0.0084	3.00	0.013	0.0009	533.21	533.24	2.77	2.77	0.12	0.12	0.60	0.07	0.05	533.29	530.63	530.29	542.00	LAT C4
2+45.36	1+51.63	93.7	U	0.07	2.92	0.70	0.05	2.04	NA	NA	NA	9.80	20.03	NA	0.0	20.03	1	0.0	36	0.0084	3.00	0.013	0.0009	533.07	533.15	2.83	2.77	0.12	0.12	0.60	0.07	0.05	533.21	530.29	529.51	542.00	