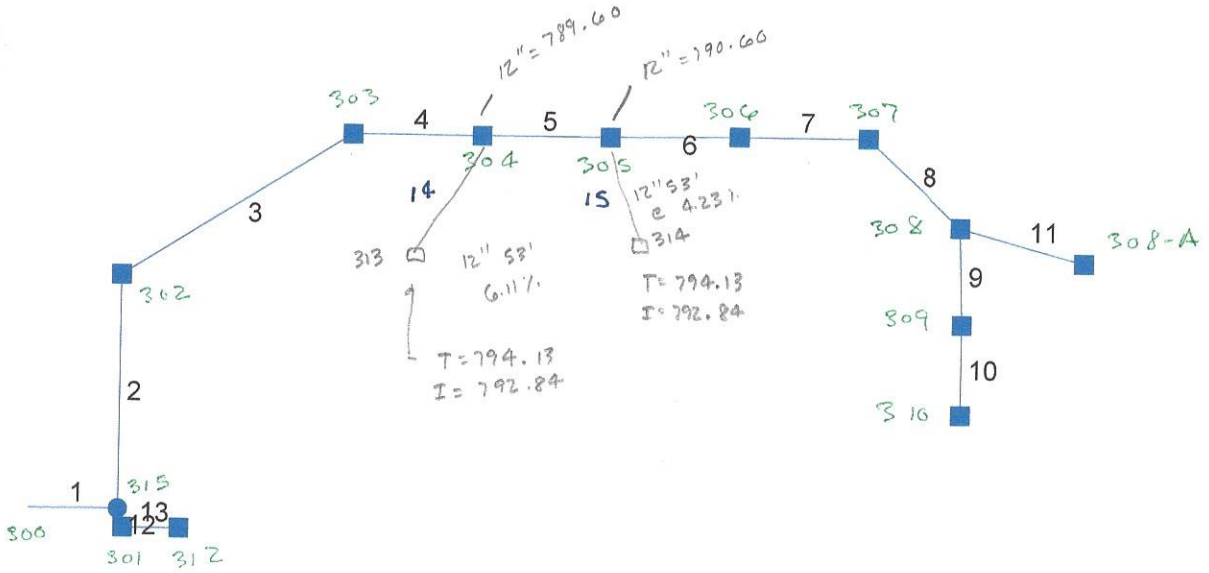
Hydraflow Plan View



Project file: 7625_Kroger.stm	IDF file: Oxford.idf	No. Lines: 13	03-24-2017

Hydraflow Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	
1	End	70.0	0.00	6.42	0.00	0.00	5.78	0.0	14.2	6.4	37.01	108.5	8.10	30	7.00	776.70	771.80	778.73	774.30	794.50	774.00	315 - 300
2	1	182.0	0.36	5.89	0.90	0.32	5.30	10.0	13.8	6.5	34.29	87.58	7.65	30	4.56	785.00	776.70	786.96	779.90	796.00	794.50	302 - 315
3	2	210.0	0.65	5.53	0.90	0.58	4.98	10.0	13.4	6.5	32.45	22.62	10.33	24	1.00	787.60	785.50	792.62	788.30	798.00	796.00	303 - 302
4	3	100.0	1.10	4.88	0.90	0.99	4.39	10.0	13.3	6.5	28.75	22.62	9.15	24	1.00	788.60	787.60	795.40	793.79	798.00	798.00	304 - 303
5	4	100.0	1.10	3.68	0.90	0.99	3.31	10.0	13.0	6.6	21.80	22.62	6.94	24	1.00	789.60	788.60	798.28	797.36	798.00	798.00	305 - 304
6	5	100.0	0.08	2.48	0.90	0.07	2.23	10.0	12.7	6.6	14.81	22.62	4.71	24	1.00	790.60	789.60	799.65	799.22	798.00	798.00	306 - 305
7	6	100.0	0.60	2.40	0.90	0.54	2.16	10.0	12.5	6.7	14.39	10.50	8.15	18	1.00	792.10	791.10	801.70	799.82	798.00	798.00	307 - 306
8	7	100.0	0.60	1.80	0.90	0.54	1.62	10.0	12.2	6.7	10.86	10.50	6.15	18	1.00	793.10	792.10	803.91	802.84	798.00	798.00	308 - 307
9	8	75.0	0.10	0.20	0.90	0.09	0.18	10.0	11.4	6.8	1.23	3.56	1.57	12	1.00	794.35	793.60	804.64	804.55	798.00	798.00	309 - 308
10	9	70.0	0.10	0.10	0.90	0.09	0.09	10.0	10.0	7.1	0.64	3.43	0.81	12	0.93	795.00	794.35	804.68	804.66	798.00	798.00	310 - 309
11	8	100.0	1.00	1.00	0.90	0.90	0.90	10.0	10.0	7.1	6.36	11.18	5.18	15	3.00	797.50	794.50	805.52	804.55	801.00	798.00	308A - 308
12	1	15.0	0.23	0.53	0.90	0.21	0.48	10.0	10.5	7.0	3.33	14.44	6.07	15	5.00	790.50	789.75	791.81	790.16	793.50	794.50	301 - 315
13	12	44.0	0.30	0.30	0.90	0.27	0.27	10.0	10.0	7.1	1.91	18.21	2.60	15	7.95	794.00	790.50	794.55	791.95	797.00	793.50	312 - 301
14	4	53.0	0.10	0.10	0.90	0.09	0.09	10.0	10.0	7.1	0.64	8.81	0.81	12	6.11	792.84	789.60	797.37	797.36	794.13	798.00	313 - 304
15	5	53.0	0.10	0.10	0.90	0.09	0.09	10.0	10.0	7.1	0.64	7.32	0.81	12	4.23	792.84	790.60	799.24	799.22	794.13	798.00	314 - 305

Project File: 7625_Kroger.stm | IDF File: Oxford.idf | Total number of lines: 15 | Run Date: 07-31-2017

NOTES: Intensity = 268.45 / (Inlet time + 30.20) ^ 0.98; Return period = 100 Yrs. ; Initial tailwater elevation = 774.30 (ft)