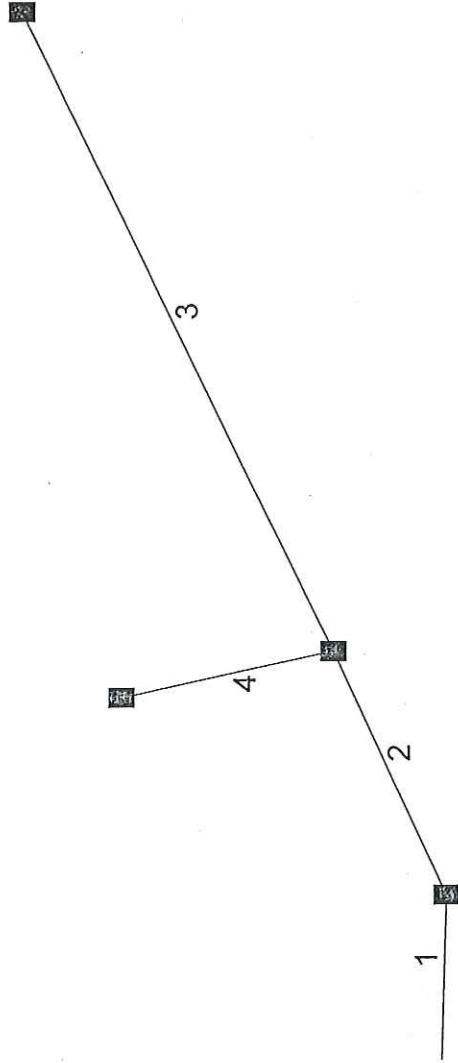


Hydraflow Plan View

need utility plan! drainage map

RECEIVED
JAN 15 2016
BY:



Project file: 7325_rt4.stm

IDF file: Oxford.idf

No. Lines: 4

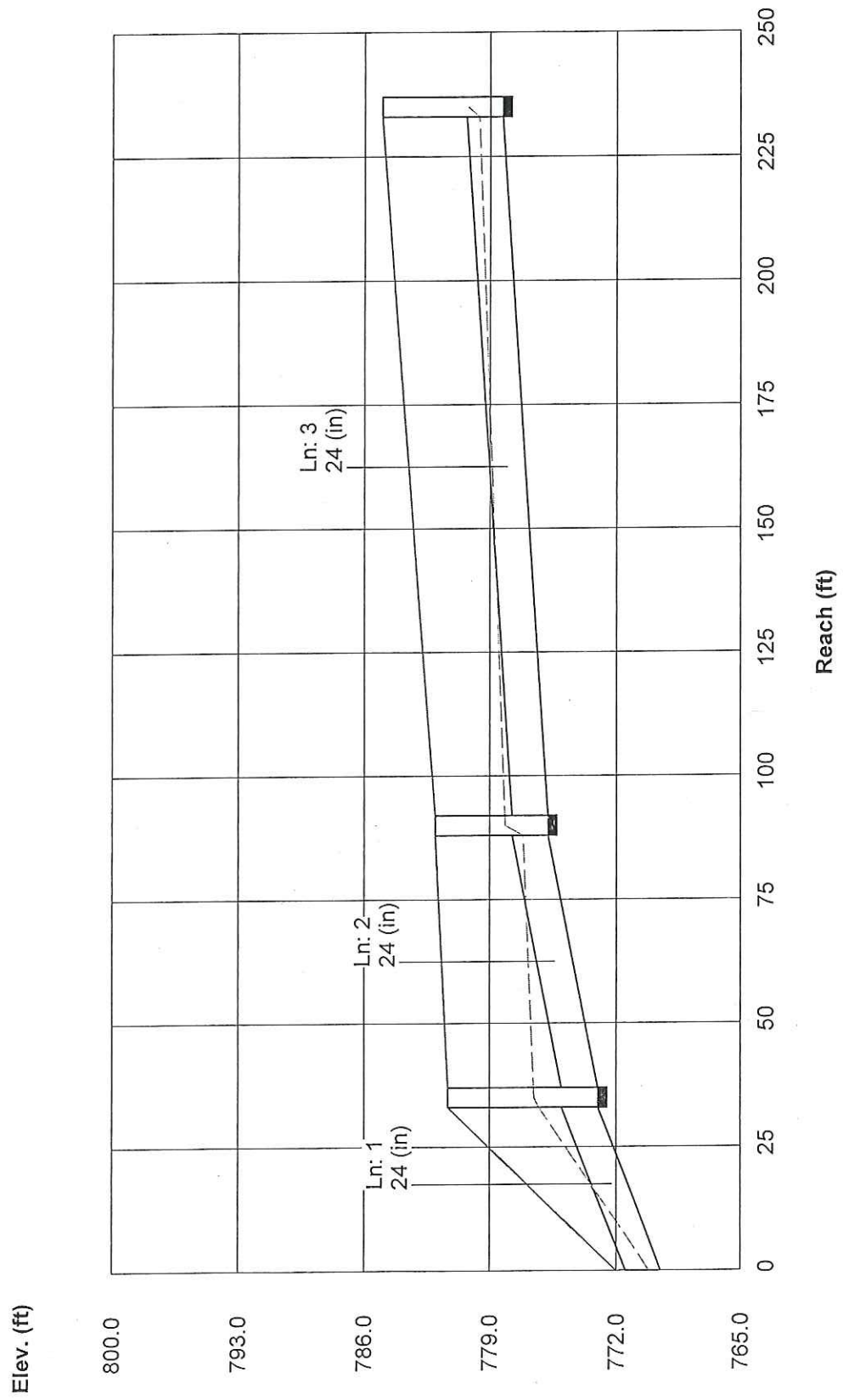
07-07-2015

where is this
- new dwg 1-11-16 Q R+4: Kyle Station say 30" pipes

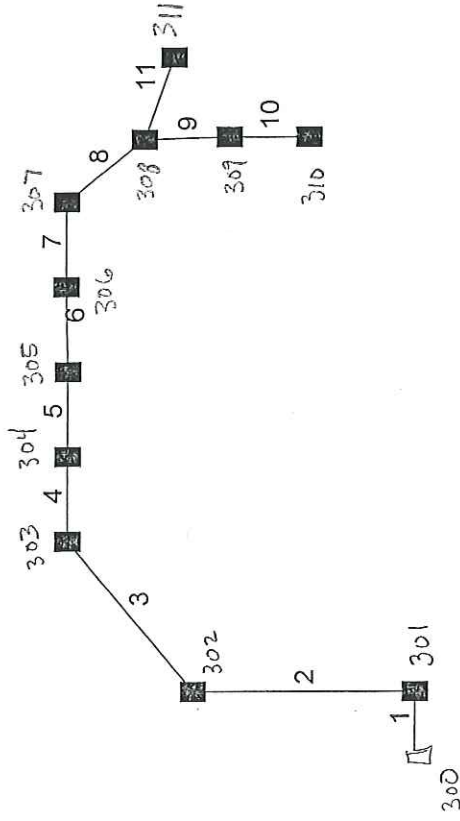
Page 1

NOTES: Intensity = $172.67 / (\text{Inlet time} + 23.20)^{1.00}$; Return period = 10 Yrs. ; Initial tailwater elevation = 770.16 (ft)

Storm Sewer Profile



Hydraflow Plan View



Project file: 7625_Kroger.stm

IDF file: Oxford.idf

No. Lines: 11

06-04-2015

REAR STORE

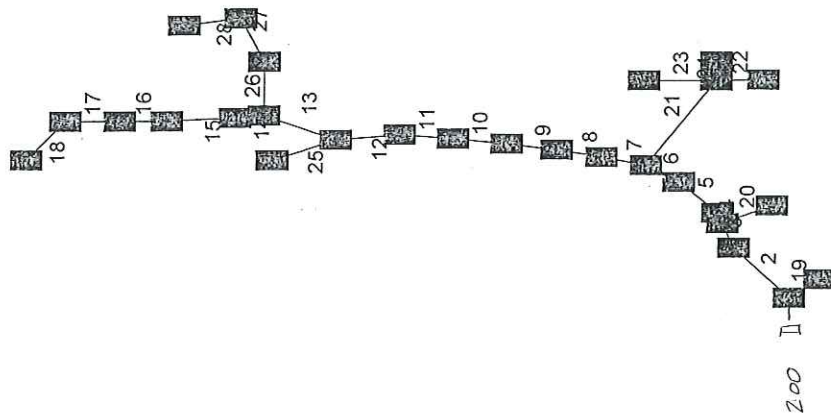
300 SERIES

Hydraflow Storm Sewer Tabulation

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID	
Line	To Line		Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)		
1	End	70.0	0.50	6.39	0.85	0.43	5.73	10.0	15.9	4.4	25.03	108.5	6.14	30	7.00	776.70	771.80	778.37	774.30	793.00	774.00		
2	1	195.0	0.36	5.89	0.90	0.32	5.30	10.0	15.2	4.4	23.58	84.61	5.90	30	4.26	785.00	776.70	786.62	779.57	796.00	793.00		
3	2	210.0	0.65	5.53	0.90	0.58	4.98	10.0	14.7	4.5	22.42	22.62	7.28	24	1.00	787.60	785.50	789.44	787.57	798.00	796.00		
4	3	100.0	1.20	4.88	0.90	1.08	4.39	10.0	14.5	4.5	19.92	22.62	6.34	24	1.00	788.60	787.60	790.81	790.04	798.00	798.00		
5	4	100.0	1.20	3.68	0.90	1.08	3.31	10.0	14.2	4.6	15.15	22.62	4.85	24	1.00	789.60	788.60	791.54	791.12	798.00	798.00		
6	5	100.0	0.08	2.48	0.90	0.07	2.23	10.0	13.7	4.6	10.34	22.62	4.28	24	1.00	790.60	789.60	791.80	791.72	798.00	798.00		
7	6	100.0	0.60	2.40	0.90	0.54	2.16	10.0	13.4	4.7	10.09	10.50	6.64	18	1.00	792.10	791.10	793.32	792.29	798.00	798.00		
8	7	100.0	0.60	1.80	0.90	0.54	1.62	10.0	13.0	4.7	7.64	10.50	4.35	18	1.00	793.10	792.10	794.54	794.05	798.00	798.00		
9	8	75.0	0.10	0.20	0.90	0.09	0.18	10.0	12.0	4.9	0.87	3.56	1.51	12	1.00	794.35	793.60	794.92	794.87	798.00	798.00		
10	9	70.0	0.10	0.10	0.90	0.09	0.09	10.0	10.0	5.2	0.46	3.43	1.71	12	0.93	795.00	794.35	795.29	794.94	798.00	798.00		
11	8	100.0	1.00	1.00	0.90	0.90	0.90	10.0	10.0	5.2	4.64	11.18	6.87	15	3.00	797.50	794.50	798.36	795.07	801.00	798.00		
Project File: 7625_Kroger.sfm											IDF File: Oxford.idf											Run Date: 06-04-2015	
											Total number of lines: 11												

NOTES: Intensity = 172.67 / (Inlet time + 23.20) ^ 1.00; Return period = 10 Yrs. ; Initial tailwater elevation = 774.30 (ft)

Hydraflow Plan View



Project file: 7625_parking.stm

IDF file: Oxford.idf

No. Lines: 28

06-03-2015

200 SERIES STORM

KROGER PARKING

Hydraflow Storm Sewer Tabulation

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID			
Line	To Line		Incr	Total		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)		Up (ft)	Dn (ft)	
1	End	50.0	0.30	14.90	0.90	0.27	12.46	10.0	19.1	4.0	50.30	149.1	7.96	36	5.00	772.80	770.30	775.06	773.30	788.00	774.00				
2	1	140.0	0.60	14.47	0.85	0.51	12.07	10.0	18.8	4.1	49.15	149.1	7.83	36	5.00	779.80	772.80	782.03	776.39	792.00	788.00				
3	2	60.0	0.10	13.87	0.90	0.09	11.56	10.0	18.6	4.1	47.25	149.1	7.61	36	5.00	782.80	779.80	784.99	782.86	792.00	792.00				
4	3	25.0	0.30	13.45	0.85	0.26	11.21	10.0	18.5	4.1	45.91	149.1	7.46	36	5.00	784.05	782.80	786.21	786.41	792.50	792.00				
5	4	90.0	0.70	13.15	0.85	0.60	10.96	10.0	18.3	4.1	45.13	115.5	7.39	36	3.00	786.75	784.05	788.89	786.98	793.00	792.50				
6	5	60.0	0.70	12.45	0.85	0.60	10.36	10.0	18.1	4.1	42.86	66.69	6.78	36	1.00	787.35	786.75	789.63	789.65	793.00	793.00				
7	6	65.0	0.80	8.86	0.85	0.68	7.43	10.0	17.9	4.2	30.87	41.01	6.29	30	1.00	788.50	787.85	791.29	790.92	793.60	793.30				
8	7	65.0	0.70	8.06	0.85	0.60	6.75	10.0	17.7	4.2	28.18	41.01	5.74	30	1.00	789.15	788.50	791.90	791.60	794.30	793.60				
9	8	70.0	0.70	7.36	0.85	0.60	6.16	10.0	17.5	4.2	25.84	41.01	5.27	30	1.00	789.85	789.15	792.44	792.16	795.00	794.30				
10	9	75.0	0.60	6.66	0.85	0.51	5.56	10.0	17.3	4.2	23.50	41.01	4.93	30	1.00	790.60	789.85	792.84	792.65	796.00	795.00				
11	10	75.0	0.60	6.06	0.85	0.51	5.05	10.0	17.0	4.3	21.50	41.01	5.34	30	1.00	791.35	790.60	793.00	793.04	796.50	796.00				
12	11	90.0	0.36	5.46	0.85	0.31	4.54	10.0	16.6	4.3	19.52	41.01	5.48	30	1.00	792.25	791.35	793.73	793.42	797.50	796.50				
13	12	115.0	0.20	4.98	0.90	0.18	4.13	10.0	16.0	4.4	18.01	87.63	5.11	30	4.57	797.50	792.25	798.92	794.44	802.00	797.50				
14	13	40.0	0.45	2.18	0.85	0.38	1.86	10.0	13.3	4.7	8.70	22.62	3.69	24	1.00	798.40	798.00	799.63	799.68	804.00	802.00				
15	14	95.0	0.40	1.73	0.85	0.34	1.48	10.0	12.9	4.7	6.99	10.50	5.91	18	1.00	799.85	798.90	800.86	799.80	804.50	804.00				
16	15	65.0	0.50	1.33	0.85	0.43	1.14	10.0	12.7	4.8	5.41	4.53	4.41	15	0.49	800.42	800.10	801.81	801.35	804.50	804.50				
17	16	75.0	0.70	0.83	0.85	0.60	0.71	10.0	12.3	4.8	3.43	4.54	2.80	15	0.49	800.79	800.42	802.17	801.96	804.50	804.50				
18	17	105.0	0.13	0.13	0.90	0.12	0.12	10.0	10.0	5.2	0.60	2.46	0.81	12	0.48	801.50	801.00	802.35	802.32	804.50	804.50				
19	1	60.0	0.13	0.13	0.90	0.12	0.12	10.0	10.0	5.2	0.60	3.56	2.97	12	1.00	784.30	783.70	784.63	783.98	787.30	788.00				
20	3	80.0	0.32	0.32	0.80	0.26	0.26	10.0	10.0	5.2	1.32	6.46	3.67	15	1.00	788.75	787.95	789.21	788.33	792.00	792.00				
21	6	220.0	0.08	2.89	0.90	0.07	2.34	10.0	12.7	4.8	11.12	34.10	4.65	24	2.27	793.35	788.35	794.53	790.92	798.00	793.30				
Project File: 7625_parking.stm														IDF File: Oxford.idf										Run Date: 01-12-2016	
Total number of lines: 28																									

NOTES: Intensity = 172.67 / (Inlet time + 23.20) ^ 1.00; Return period = 10 Yrs. ; Initial tailwater elevation = 773.30 (ft)

not on dwgs

NOTES: Intensity = 172.67 / (Inlet time + 23.20) ^ 1.00; Return period = 10 Yrs.; Initial tailwater elevation = 773.30 (ft)

Page 2

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID				
Line	To Line		Incr	Total		Inlet (min)	Syst (min)	Incr	Total					Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)					
22	21	65.0	0.20	0.20	0.85	0.17	0.17	10.0	10.0	5.2	0.88	3.56	2.06	12	1.00	795.00	794.35	795.40	795.30	798.00	798.00					
23	21	100.0	0.11	0.11	0.85	0.09	0.09	10.0	10.0	5.2	0.48	2.87	1.22	12	0.65	795.00	794.35	795.37	795.30	798.00	798.00					
24	21	45.0	2.50	2.50	0.80	2.00	2.00	12.0	12.0	4.9	9.71	10.50	5.88	18	1.00	794.30	793.85	795.54	795.30	797.50	798.00					
25	12	100.0	0.12	0.12	0.85	0.10	0.10	12.0	12.0	4.9	0.50	3.56	1.72	12	1.00	794.80	793.80	795.10	794.44	797.80	797.50					
26	13	125.0	0.10	2.60	0.85	0.09	2.10	10.0	15.6	4.4	9.22	16.27	6.23	18	2.40	801.50	798.50	802.66	799.68	805.00	802.00					
27	26	107.0	0.20	2.50	0.85	0.17	2.01	10.0	15.3	4.4	8.93	14.36	5.62	18	1.87	803.50	801.50	804.64	803.09	807.00	805.00					
28	27	80.0	2.30	2.30	0.80	1.84	1.84	15.0	15.0	4.5	8.23	16.60	5.31	18	2.50	805.50	803.50	806.60	805.53	808.00	807.00					
Project File: 7625_parking.stm														IDF File: Oxford.idf				Total number of lines: 28				Run Date: 01-12-2016				
NOTES: Intensity = 172.67 / (Inlet time + 23.20) ^ 1.00; Return period = 10 Yrs. ; Initial tailwater elevation = 773.30 (ft)																										