

Storm Sewer Inventory Report

Line No.	Alignment			Flow Data				Physical Data						Line ID			
	Invert Line No.	Line Length (ft)	Start angle (deg)	Junc. Type	Known Q (cfs)	Design Area (sq ft)	Runoff Coeff (C)	Inlet Time (min)	Invert El. On (ft)	Line Slope (%)	Invert El. Up (ft)	Line Size (in)	Line Slopes		N Value (ft)	L-Load Coeff (K)	Inlet Rim El. (ft)
1	End	12.3	-17.1	Grate	0.00	0.25	0.95	5.0	1066.00	0.51	1068.50	18	Cr	0.024	2.07	1074.28	400
2	1	01.8	115.1	Grate	0.00	0.11	0.95	5.0	1069.50	8.41	1072.00	18	Cr	0.024	0.89	1077.91	500
3	2	100.2	32.5	Manhole	0.00	1.48	0.45	10.0	1072.00	7.78	1080.00	18	Cr	0.012	1.00	1087.00	502
4	1	16.2	-64.8	MH	0.00	0.00	0.00	0.0	1059.49	1.00	1059.85	12	Cr	0.012	1.00	1074.89	402
5	4	24.2	-88.5	MH	0.00	0.01	0.95	5.0	1069.85	1.03	1070.10	8	Cr	0.012	0.36	1074.87	700
6	5	30.8	18.2	MH	0.00	0.04	0.95	5.0	1070.10	1.01	1070.41	8	Cr	0.012	0.80	1074.95	702
7	8	66.3	82.0	MH	0.00	0.00	0.00	0.0	1070.41	1.00	1071.97	8	Cr	0.012	0.10	1074.96	704
8	7	38.0	0.9	MH	0.00	0.04	0.95	5.0	1071.97	1.00	1071.45	8	Cr	0.012	1.00	1074.96	706
9	4	12.3	80.0	MH	0.00	0.05	0.95	5.0	1069.85	1.22	1070.00	8	Cr	0.012	1.00	1074.92	404
10	9	8.0	-11.4	Grate	0.00	0.03	0.95	5.0	1070.00	37.35	1073.00	8	Cr	0.012	1.00	1074.92	406
11	8	114.5	-80.3	MH	0.00	0.05	0.95	5.0	1070.00	1.31	1071.50	8	Cr	0.012	1.00	1074.97	500

Structure Report

Struct No.	Structure ID	Junction Type	Rim Elev (ft)	Structure			Line Out		Line In			
				Shape	Length (ft)	Width (ft)	Size (in)	Shape	Invert (ft)	Size (in)	Shape	Invert (ft)
1	401	Grate	1074.28	Cr	4.00	4.00	18	Cr	1068.80	16	Cr	1068.80
2	501	Grate	1077.91	Cr	4.00	4.00	18	Cr	1072.00	18	Cr	1072.20
3	503	Open/Headwall	1087.00	na	na	na	18	Cr	1089.00			
4	403	Manhole	1074.95	Cr	4.00	4.00	12	Cr	1059.65	8	Cr	1069.85
5	701	Manhole	1074.87	Cr	0.50	0.50	8	Cr	1070.10	8	Cr	1070.10
6	703	Manhole	1074.05	Cr	0.50	0.50	8	Cr	1070.41	8	Cr	1070.41
7	706	Manhole	1074.96	Cr	0.50	0.50	8	Cr	1071.07	8	Cr	1071.07
8	707	Manhole	1074.96	Cr	0.50	0.50	8	Cr	1071.45	8	Cr	1071.45
9	406	Manhole	1074.92	Cr	0.50	0.50	8	Cr	1070.00	8	Cr	1070.00
10	Null Structure	Grate	0.00	Rect	24.00	1.00	8	Cr	1073.00			
11	501	Manhole	1074.97	Cr	0.50	0.50	8	Cr	1071.50	8	Cr	1071.50

Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL. On (ft)	Invert EL. Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dist. Line No.	Junction Type
1	400	8.23	18	Cr	12.3	1069.00	1068.80	6.511	1086.90	1067.91	na	1067.91	End	Grate
2	300	5.28	18	Cr	61.0	1066.60	1072.00	8.410	1067.91	1072.88	na	1072.88	1	Grate
3	502	4.66	18	Cr	100.2	1072.20	1080.00	7.789	1072.88	1080.63	0.34	1080.63	2	Open/Headwall
4	402	1.89	12	Cr	16.2	1069.49	1069.65	1.000	1059.63	1070.18	0.21	1070.18	1	Manhole
5	700	0.65	6	Cr	24.2	1068.85	1070.10	1.032	1070.16	1070.46	na	1070.46	4	Manhole
6	702	0.89	8	Cr	30.8	1070.10	1070.41	1.005	1070.48	1070.77	na	1070.77	5	Manhole
7	704	0.51	8	Cr	66.3	1070.41	1071.07	1.000	1070.77	1071.33	na	1071.33	6	Manhole
8	706	0.31	8	Cr	38.0	1071.07	1071.45	1.001	1071.33	1071.71	na	1071.71	7	Manhole
9	404	0.06	6	Cr	12.3	1068.85	1070.00	1.222	1070.25	1070.46	na	1070.46	4	Manhole
10	406	0.24	8	Cr	8.0	1070.00	1073.00	37.348	1070.46	1073.22	na	1073.22	9	Grate
11	500	0.38	8	Cr	114.5	1070.00	1071.50	1.310	1070.46	1071.79	na	1071.79	8	Manhole

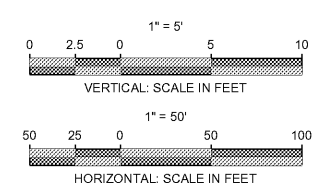
Storm Sewer Tabulation

Station	Len (ft)	Dmg Area (sq)	Runoff coeff (C)	Area x C	Tc (min)	Rain (in/hr)	Total Row (cfs)	Cap (cfs)	Vel (ft/s)	Pipe Size (in)	Slope (%)	Invert Elev (ft)	HGL Elev (ft)	Gnd / Rim Elev (ft)	Line ID							
																Project File: New.stm	Number of lines: 11	Run Date: 1/13/2021				
1	End	12.3	0.25	0.27	0.05	0.24	1.22	5.0	11.0	6.7	8.23	14.51	8.88	18	8.51	1066.00	1066.80	1067.91	0.00	1074.28	400	
2	1	61.8	0.11	1.60	0.95	0.10	0.78	5.0	10.6	8.8	5.28	16.80	4.32	18	8.41	1066.80	1072.00	1067.91	1072.88	1074.28	1077.91	500
3	2	100.2	1.48	1.49	0.45	0.57	0.57	10.0	10.0	8.0	4.90	31.76	5.20	18	7.79	1072.00	1080.00	1072.88	1080.63	1077.91	1087.00	502
4	1	16.2	0.00	0.22	0.50	0.00	0.21	0.0	7.4	7.5	1.58	0.86	4.19	12	1.00	1069.49	1069.65	1069.65	1070.16	1074.28	1074.89	402
5	4	24.2	0.01	0.38	0.95	0.01	0.09	5.0	7.2	7.8	0.65	1.33	3.45	8	1.03	1068.85	1070.10	1070.10	1070.46	1074.89	1074.87	700
6	5	30.8	0.04	0.06	0.95	0.04	0.08	5.0	6.9	7.7	0.58	1.31	2.95	8	1.01	1070.10	1070.41	1070.41	1070.77	1074.87	1074.95	702
7	8	66.3	0.00	0.04	0.00	0.00	0.04	0.0	5.7	8.0	0.31	1.31	2.04	8	1.00	1070.41	1071.07	1071.07	1071.33	1074.95	1074.96	704
8	7	38.0	0.04	0.04	0.95	0.04	0.04	5.0	6.2	6.31	1.31	2.60	6	1.00	1071.07	1071.45	1071.33	1071.71	1074.96	1074.96	706	
9	4	12.3	0.05	0.13	0.95	0.05	0.12	5.0	6.7	7.7	0.96	1.45	4.08	8	1.22	1068.85	1070.00	1070.25	1070.46	1074.89	1074.92	404
10	9	8.0	0.03	0.03	0.95	0.03	0.03	5.0	6.2	6.24	0.90	1.60	6	37.35	1070.00	1073.00	1070.46	1073.22	1074.92	1074.92	406	
11	8	114.5	0.05	0.05	0.95	0.05	0.05	5.0	6.0	8.2	0.39	1.50	2.06	8	1.31	1070.00	1071.50	1070.46	1071.79	1074.92	1074.97	500

Inlet Report

Line No.	Inlet ID	Q = CIA (cfs)	Q carry (cfs)	Q byp (cfs)	Junc Type	Curb Inlet (ft)	Grate Inlet (ft)	Gutter (ft)	Inlet Depth (ft)	Inlet Spread (ft)	Inlet Depth (ft)	Inlet Spread (ft)	Inlet Depth (ft)	Inlet Spread (ft)	Inlet Depth (ft)	Inlet Spread (ft)	Inlet Depth (ft)	Inlet Spread (ft)	Inlet Depth (ft)	Inlet Spread (ft)		
																					Project File: New.stm	Number of lines: 11
1	401	1.96	0.00	1.96	0.00	Grate	0.0	0.00	2.40	1.55	2.00	Sag	1.50	0.020	0.020	0.013	13.00	13.00	0.0	0.0	0.0	0.0
2	501	0.85	0.00	0.85	0.00	Grate	0.0	0.00	2.40	1.55	2.00	Sag	1.50	0.070	0.070	0.021	13.00	13.00	0.0	0.0	0.0	0.0
3	503	4.95	0.00	4.95	0.00	Head	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
4	403	0.00	0.00	0.00	0.00	MH	0.0	1.50	0.00	1.50	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
5	701	0.06	0.00	0.06	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
6	703	0.31	0.00	0.31	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
7	706	0.00	0.00	0.00	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
8	707	0.31	0.00	0.31	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
9	406	0.39	0.00	0.39	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
10	Null Structure	0.24	0.00	0.24	0.00	Grate	0.0	0.00	24.00	1.00	2.00	Sag	0.00	0.000	0.000	0.013	0.07	3.45	0.01	0.99	0.00	0.00
11	501	0.39	0.00	0.39	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.013	0.02	0.00	0.00	0.00	0.00	0.00

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DEVELOPER:
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 CONTACT: RUPESH MANUGULA

PROJECT:
DAY CARE FACILITY - WEBB ROAD
 2885 WEBB ROAD
 MILTON, GA 30004
 ILL. 1048, 2ND DISTRICT, 2ND SECTION
 PARCEL #22 527010482814, FULTON CO PERMIT # 20-050WR



REVISIONS	DATE
ENVIRONMENTAL HEALTH	08-12-2020
CITY COMMENTS	10-7-2020
PROJECT MANAGER:	JPS
DRAWING BY:	JCW
JURISDICTION:	MILTON, GA
DATE:	07-15-2020
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE CALCULATIONS
 SHEET NUMBER: **C-2.4**
 COMMENTS: NOT RELEASED FOR CONSTRUCTION
 JOB/FILE NUMBER: 1418.001