



STORM SEWER SYSTEM

PID : 113663

Date : 12/20/2022 **Project :** 270/Easton Exit Ramp

Location : Easton, Ohio

Description :

Designer : TGW

Rainfall Area: C

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 12.00

Tailwater Elevation (ft.): 0.00

JUNCTION	STATION	ΔAREA	ΔCA	BEGIN	RAINFALL	DISCHARGE	PIPE			F/L PIPE	MEAN	JUST FULL	FRICT	HYGR EL.	COVER	COVER	COVER	INLET TYPE		
From To	From To	Σ AREA (acres)	Σ CA	TIME (min.)	INTENSITY (10 yrs.) (25 yrs.)	(cfs.) (10 yrs.) (25 yrs.)	DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)	IN / OUT (ft.)	VEL (fps.)	CAPACITY (cfs.)	SLOPE (ft./ft.)	IN / OUT (ft.)	IN / OUT (ft.)	MINUS HY GR	MINUS CROWN	MANNING'S 'n'		
CB4 begin	EMH1 65+05 65+26	0.09 0.09	0.08 0.08	10.00	5.32	5.53	0.4	0.5	12	24.0	0.0358	845.28 844.42	4.36	6.28	0.0002	845.56 845.56	848.70 850.35	3.14	2.42	12A 0.015
EMH1	EMH2 65+26 66+24	0.00 0.09	0.00 0.08	10.09	5.30	5.53	0.4	0.5	12	98.0	0.0073	844.42 843.70	2.48	2.85	0.0002	845.56 845.53	850.35 850.35	4.79	4.93	MH 3 0.015
CB3 begin	EMH2 66+24 66+24	0.16 0.25	0.14 0.23	10.00	5.32	5.53	0.8	0.8	12	5.0	0.1980	844.69 843.70	9.46	14.78	0.0007	845.54 845.53	848.10 850.35	2.56	2.41	CB 3 0.015
EMH2	PMH1 66+24 67+11	0.00 0.25	0.00 0.23	10.75	5.17	5.53	1.2	1.3	12	86.0	0.0062	843.70 843.17	3.06	2.61	0.0016	845.53 845.39	850.35 848.48	4.82	5.65	MH 3 0.015
CB2 begin	PMH1 66+98 67+11	0.30 0.55	0.27 0.50	10.00	5.32	5.53	1.4	1.5	12	13.0	0.1362	844.94 843.17	9.96	12.26	0.0023	845.42 845.39	848.35 848.48	2.93	2.41	CB 3A 0.015
PMH1	EMH3 67+11 69+25	0.00 0.55	0.00 0.50	11.22	5.09	5.53	2.5	2.7	12	215.0	0.0060	843.17 841.88	3.45	2.57	0.0079	845.39 843.70	848.48 850.90	3.09	4.31	MH 3 0.015
EMH3 final	EMH4 69+25 69+50	0.00 0.55	0.00 0.50	12.26	4.90	5.53	2.4	2.7	12	48.0	0.0267	843.17 841.89	6.36	5.42	0.0079	843.70 842.74	850.90 850.90	7.20	6.73	MH 3 0.015