



STORM SEWER SYSTEM

PID : 115826 **Date :** 01/26/2024 **Project :** CUY-IR 480-06.12- Deck

Location : City of Fairview Park

Description : Proposed Storm Sewer Design

Designer : MGW

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 25

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 0.00

Tailwater Elevation (ft.): 742.42

JUNCTION		STATION		Δ AREA	Δ CA	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 (25 yrs.)	(25 yrs.)	(25 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'
CB2	MH1	11+70		0.23	0.20	10.21	6.15	6.07	2.5	2.4	12	89.0	0.0100	743.52	4.36	3.32	0.0061	744.19	755.45	11.26	10.93	CB 3A
	final	12+59		0.23	0.20									742.63				743.46	753.93			0.015
CB1	CB2	11+70		0.22	0.20	10.00	6.21	6.15	1.2	1.2	12	46.0	0.0100	743.98	3.69	3.32	0.0015	744.41	755.48	11.07	10.50	CB 3A
	begin	11+70		0.45	0.40									743.52				744.25	755.45			0.015