



STORM SEWER SYSTEM

PID : 124096 **Date :** 12/18/2025 **Project :** CUY-480-16.56 Slide

Location : STA. 899+00

Description : Pipe Flow Calculations Crossing IR 480

Designer : SHT

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 24.00

Tailwater Elevation (ft.): 0.00

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 (10 yrs.)	(25 yrs.)	(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'
1	2	897+75		3.65	3.29	10.00	4.94	5.52	16.2	18.1	24	445.6	0.0649	683.92	14.21	53.74	0.0085	684.75	693.56	8.80	7.64	MH 3
	begin	901+75		3.65	3.29									655.00				656.76	655.00			0.015