STORM SEWER SYSTEM

PID : 113007 **Date :** 02/14/2022 **Project :** GRE-72-7.71 **Location :** VILLAGE OF JAMESTOWN

Description : North End, Proposed Storm Sewer, without Scuppers **Designer :** Steven Barnard

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 From	To	STATION From To	ΔAREA ΣAREA (acres)	ΔCA ΣCA	BEGIN TIME (min.)	RAINFALL INTENSITY (10 yrs.)	(25 yrs.)	DISCHARGE (cfs.) (10 yrs.)	(25 yrs.)	PIPE DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)	F/L PIPE IN / OUT (ft.)	MEAN VEL (fps.)	JUST FULL CAPACITY (cfs.)	FRICT SLOPE (ft./ft.)	HYGR EL. IN / OUT (ft.)	COVER IN / OUT (ft.)	COVER MINUS HY GR	COVER MINUS CROWN	INLET TYPE MANNING'S 'n'
SA23	4	111+94	6.90	6.21	15.00	4.43	5.26	27.5	32.7	36	105.0	0.0020	1045.63	3.89	27.81	0.0032	1048.63	1055.33	6.70	6.70	MH 3
begin		110+89	6.90	6.21									1045.42				1047.85	1055.02			0.015
4	2	110+89	1.24	0.87	15.45	4.37	5.24	30.9	37.1	36	56.5	0.0060	1045.42	6.84	48.24	0.0041	1047.80	1055.02	7.22	6.60	MH 3
		110+47	8.14	7.08									1045.08				1047.57	1055.72			0.015
2	1	110+47	0.00	0.00	15.59	4.35	5.22	30.8	37.0	36	34.5	0.0061	1045.08	6.87	48.51	0.0041	1047.50	1055.72	8.22	7.64	HW Half He
final		110+15	8.14	7.08									1044.87				1047.36	1048.00			0.015