



STORM SEWER SYSTEM

PID : 114968 **Date :** 03/17/2025 **Project :** WAY-83-10.73

Location : WAY-83-10.73

Description : Culvert Rehabilitation using Structural Liner Methods

Designer : Adam Mellen, P.E.

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 25

Hydraulic Gradient Frequency (yrs.) : 100

Minimum Pipe Size : 0.00

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 (25 yrs.)	(100 (25 yrs.)	(100 (25 yrs.)	(cfs.)	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	CB4A	1+88		25.25	11.16	10.00	5.63	6.57	62.8	73.3	21	82.0	0.1921	975.16	28.40	64.74	0.2846	985.71	987.91	2.20	11.00	CB 4
	begin	2+70		25.25	11.16									959.41				962.37	965.00			0.015
CB4A	MH1	2+70		0.25	0.16	10.05	5.62	6.57	63.6	74.4	42	72.0	0.0092	959.41	9.55	89.80	0.0073	962.37	965.00	2.63	2.09	CB 4A
		3+42		25.50	11.32									958.75				961.85	969.98			0.015
MH1	HW	3+42		0.15	0.14	15.00	4.74	5.59	54.3	64.0	42	70.0	0.0107	958.75	9.81	97.09	0.0054	961.38	969.98	8.60	7.73	MH 5
	final	4+12		25.65	11.45									958.00				961.00	962.00			0.015