



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/03/2023 **Project :** ERI-006

Location : Camp Roundabout

Description : HW702-D702-D701-HW701

Designer : BLS

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 12.00

Tailwater Elevation (ft.): 0.00

JUNCTION From	STATION To	From To	Δ AREA Σ AREA (acres)	Δ CA Σ CA	BEGIN TIME (min.)	RAINFALL		DISCHARGE		PIPE			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'
						(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)									
H702	D702		0.87 0.87	0.75 0.75	10.00	4.94	5.56	3.7	4.2	18	63.0	0.0033	606.68 606.47	3.22	5.65	0.0021	607.74 607.61	610.95 608.00	3.21	2.77	HW Half He 0.015
D702	D701		0.09 0.96	0.07 0.82	10.33	4.88	5.44	4.0	4.5	18	108.0	0.0030	606.47 606.15	3.12	5.33	0.0024	607.58 607.31	610.95 610.85	3.37	2.98	CB 2-2B 0.015
D701	H701		0.07 1.03	0.06 0.88	10.90	4.77	5.37	4.2	4.7	18	78.0	0.0033	606.15 605.89	3.31	5.65	0.0027	607.27 607.06	610.85 607.00	3.58	3.20	CB 2-2B 0.015