



STORM SEWER SYSTEM

PID : 116570 **Date :** 03/27/2025 **Project :** ERI-6

Location : Sta. 611+06.05 to Sta. 598+57.74

Description : Storm Run in front of Sports Force Park D801-HW801

Designer : BLC

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 0.00

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.)									
HW80	D803		1.00 1.00	0.78 0.78	10.00	4.94	4.91	3.9	3.8	15	237.0	0.0123	576.10 573.18	5.34	6.68	0.0047	576.81 574.80	578.78 578.48	1.97	1.43	MH 3 0.015
D803	D802		0.89 1.89	0.65 1.43	10.74	4.80	4.91	6.9	7.0	43	339.0	0.0020	573.20 572.51	3.07	45.06	0.0001	574.80 574.78	578.48 577.68	3.68	1.70	MH 3 0.015
D802	D801		0.47 2.36	0.33 1.76	12.58	4.48	4.91	7.9	8.6	48	183.0	0.0009	572.51 572.34	2.38	40.82	0.0000	574.78 574.77	577.68 577.88	2.90	1.17	MH 3 0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 03/27/2025 **Project :** ERI-6

Location : Sta. 633+83

Description : Storm Run In Front Of Motel P805-P806

Designer : BLS

Rainfall Area: A

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 25

Minimum Pipe Size : 0.00

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.)	(10 yrs.) (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'
HW80	D804			2.55 2.55	1.96 1.96	16.00	4.00	4.48	7.9	8.8	18	215.0	0.0083	576.92 575.14	5.33	8.91	0.0093	578.65 576.65	579.92 578.42	1.27	1.50	HW Half He 0.015
D804	HW80			0.29 2.84	0.22 2.19	16.67	3.92	4.48	8.6	9.8	18	69.0	0.0093	575.14 574.50	5.65	9.43	0.0115	576.65 575.85	578.42 575.50	1.77	1.78	CB 0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 03/27/2025 **Project :** ERI-6

Location : STA. 696+22.33 to STA.698+00.33

Description : P810-P811

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'
						INTENSITY	(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)								
HW81	D806	696+2233	0.21	0.15	10.00	4.94	5.61	0.7	0.8	12	32.6	0.0521	585.20	5.75	7.58	0.0007	585.43	586.20	0.77	0.00	HW Half He
	begin	696+2888	0.21	0.15										583.50			584.19	583.61			0.015
D806	HW81	698+2888	0.06	0.04	10.09	4.92	5.36	0.9	1.0	12	164.0	0.0030	583.50	2.22	1.83	0.0011	584.06	585.44	1.38	0.94	CB 2-2B
	final	698+0028	0.27	0.19										583.00			583.71	584.25			0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 04/02/2025 **Project :** ERI-006

Location : Perkins RAB

Description : D601-HW603 STA. 660+69.17

Designer : BLC

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		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	Σ CA	TIME	INTENSITY	(cfs.)			DIAM.	LENGTH	SLOPE	IN / OUT	VEL	CAPACITY	SLOPE	IN / OUT	IN / OUT	MINUS	MINUS	MANNING'S
				(acres)		(min.)	(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	(in.)	(ft.)	(ft./ft.)	(ft.)	(fps.)	(cfs.)	(ft./ft.)	(ft.)	(ft.)	HY GR	CROWN	'n'
D601	H603			0.14	0.13	10.00	4.94	5.62	0.6	0.7	12	18.0	0.0478	577.86	5.34	7.26	0.0005	578.08	581.87	3.79	3.01	I 3D
				0.14	0.13									577.00				577.68	577.17			0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 02/02/2024 **Project :** ERI-006

Location : Perkins RAB

Description : D602-HW608

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		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.)	(cfs.)	DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)	IN / OUT (ft.)	VEL (fps.)	CAPACITY (cfs.)	SLOPE (ft./ft.)	IN / OUT (ft.)	IN / OUT (ft.)	IN / OUT (ft.)	MINUS HY GR	MINUS CROWN	MANNING'S 'n'
D602	H608		0.14	0.13	10.00	4.94	5.60	0.6	0.7	12	27.0	0.0126	585.60	3.36	3.73	0.0005	585.95	587.53	1.58	0.93	CB 3A
			0.14	0.13									585.26				585.94	586.50			0.015



STORM SEWER SYSTEM

PID : 116570 Date : 02/02/2024 Project : ERI-006

Location : Perkins RAB

Description :D603-HW609

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		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	Σ CA	TIME	INTENSITY	(cfs.)			DIAM.	LENGTH	SLOPE	IN / OUT	VEL	CAPACITY	SLOPE	IN / OUT	IN / OUT	MINUS	MINUS	MANNING'S
			To	(acres)		(min.)	(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	(in.)	(ft.)	(ft./ft.)	(ft.)	(fps.)	(cfs.)	(ft./ft.)	(ft.)	(ft.)	HY GR	CROWN	'n'
D603	H609			0.11	0.10	10.00	4.94	5.63	0.5	0.6	12	11.0	0.0618	585.70	5.49	8.26	0.0003	585.88	587.70	1.82	1.00	CB 3A
				0.11	0.10									585.02				585.67	586.00			0.015



STORM SEWER SYSTEM

PID : 116570 Date : 02/02/2024 Project : ERI-006

Location : Perkins RAB

Description : D604-HW610

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		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 (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'
D604	H610		0.20	0.18	10.00	4.94	5.61	0.9	1.0	12	27.0	0.0248	586.17	4.71	5.23	0.0011	586.48	588.18	1.70	1.01	CB 3
			0.20	0.18									585.50				586.21	856.50			0.015



STORM SEWER SYSTEM

PID : 116570 Date : 02/02/2024 Project : ERI-006

Location : Perkins RAB

Description :D605-D606-HW611

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		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.)	(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'
D605	D606		0.11 0.11	0.10 0.10	10.00	4.94	5.56	0.5	0.6	12	38.0	0.0037	584.69 584.55	2.01	2.02	0.0003	585.22 585.20	588.05 588.19	2.83	2.36	CB 3A 0.015
D606	H611		0.09 0.20	0.08 0.18	10.32	4.88	5.56	0.9	1.0	12	20.0	0.1025	584.55 582.50	7.74	10.63	0.0010	584.76 583.21	588.19 583.50	3.43	2.64	CB 3A 0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 10/13/2025 **Project :** ERI-006

Location : Perkins RAB

Description : D607 - HW614

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 STATION		ΔAREA	ΔCA	BEGIN	RAINFALL		DISCHARGE		PIPE			F/L PIPE	MEAN	JUST FULL	FRICT	HYGR EL.	COVER	COVER	COVER	INLET TYPE
From	To	Σ AREA	Σ CA	TIME	INTENSITY	(cfs.)	(10 yrs.)	(25 yrs.)	DIAM.	LENGTH	SLOPE	IN / OUT	VEL	CAPACITY	SLOPE	IN / OUT	IN / OUT	MINUS	MINUS	MANNING'S
	From To	(acres)		(min.)	(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	(in.)	(ft.)	(ft./ft.)	(ft.)	(fps.)	(cfs.)	(ft./ft.)	(ft.)	(ft.)	HY GR	CROWN	'n'
D607	H614	0.08	0.07	10.00	4.94	5.59	0.4	0.4	12	50.0	0.0340	584.69	4.06	6.12	0.0002	584.87	587.26	2.39	1.57	CB 3A
		0.08	0.07									582.99				583.62	583.99			0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 04/02/2025 **Project :** ERI-006

Location : Perkins RAB

Description : HW616 - HW616 STA. 50+34.99

Designer : BLC

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		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 (10 yrs.) (25 yrs.)	(cfs.) (10 yrs.) (25 yrs.)	(cfs.) (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.)	IN / OUT (ft.)	MINUS HY GR	MINUS CROWN	MANNING'S 'n'
H615	H616		0.27	0.18	10.00	4.94	5.59	0.9	1.0	12	25.0	0.0024	583.68	2.00	1.63	0.0010	584.36	583.68	-0.68	-1.00	HW Half He
			0.27	0.18									583.62				584.33	583.62			0.015



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



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/02/2023 **Project :** ERI-006

Location : Camp Roundabout

Description : D707-HW704 West Leg, South Side Storm Run

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'
						INTENSITY (10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	DIAM. (in.)	LENGTH (ft.)	SLOPE (ft./ft.)									
D707	D706		0.14 0.14	0.13 0.13	10.00	4.94	5.58	0.6	0.7	12	25.0	0.0040	607.50 607.40	2.21	2.10	0.0005	608.15 608.14	609.94 609.62	1.79	1.44	CB 3 0.015
D706	H704		0.16 0.30	0.14 0.27	10.19	4.91	5.58	1.3	1.5	12	11.0	0.0045	607.40 607.35	2.81	2.24	0.0024	608.14 608.11	609.62 609.00	1.48	1.22	CB 3 0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/28/2025 **Project :** ERI-006

Location : Camp Roundabout

Description : D708-HW705

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		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	Σ CA	TIME	INTENSITY	(cfs.)	(10 yrs.)	(25 yrs.)	DIAM.	LENGTH	SLOPE	IN / OUT	VEL	CAPACITY	SLOPE	IN / OUT	IN / OUT	MINUS	MINUS	MANNING'S
				(acres)		(min.)	(10 yrs.)	(25 yrs.)	(10 yrs.)	(25 yrs.)	(in.)	(ft.)	(ft./ft.)	(ft.)	(fps.)	(cfs.)	(ft./ft.)	(ft.)	(ft.)	HY GR	CROWN	'n'
D708	H705			0.15	0.14	10.00	4.94	5.62	0.7	0.8	12	10.0	0.0050	607.11	2.44	2.35	0.0006	607.75	610.10	2.35	1.99	CB 3
				0.15	0.14									607.06				607.74	608.00			0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/02/2023 **Project :** ERI-006

Location : Camp Roundabout

Description : D709-HW703 West Leg, North Side Storm Run

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	Δ CA	BEGIN	RAINFALL		DISCHARGE		PIPE			F/L PIPE	MEAN	JUST FULL	FRICT	HYGR EL.	COVER	COVER	COVER	INLET TYPE
			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'
D709	D705		0.11 0.11	0.10 0.10	10.00	4.94	5.53	0.5	0.5	12	62.0	0.0040	608.90 608.65	2.07	2.11	0.0003	609.32 609.30	612.33 612.20	3.01	2.43	CB 3 0.015
D705	D703		0.10 0.21	0.09 0.19	10.50	4.85	5.31	0.9	1.0	12	161.0	0.0040	608.65 608.00	2.46	2.11	0.0011	609.16 608.71	612.20 611.00	3.04	2.55	CB 3 0.015
D704	D703		0.19 0.40	0.17 0.36	10.00	4.94	5.01	0.8	0.9	12	7.0	0.0143	608.00 607.90	3.82	3.97	0.0008	608.61 608.60	610.40 611.00	1.79	1.40	CB 3 0.015
D703	HW70		0.12 0.52	0.11 0.47	11.59	4.65	5.01	2.2	2.3	15	262.0	0.0027	607.75 607.05	2.59	3.11	0.0018	608.60 607.98	611.00 609.00	2.40	2.00	CB 2-2B 0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/02/2023 **Project :** ERI-006

Location : Camp Roundabout

Description : D710-HW706

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		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 (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'
D710	H706		0.10	0.09	10.00	4.94	5.61	0.4	0.5	12	11.0	0.0045	607.70	2.11	2.24	0.0003	608.30	610.66	2.36	1.96	CB 3
			0.10	0.09									607.65				608.30	608.50			0.015



STORM SEWER SYSTEM

PID : 116570 **Date :** 07/30/2025 **Project :** ERI-006

Location : Camp Roundabout

Description : D716-HW707

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	ΔAREA Σ AREA (acres)	ΔCA 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.)									
D716	D714		0.11 0.11	0.10 0.10	10.00	4.94	4.68	0.5	0.5	12	134.0	0.0030	609.22 608.82	1.86	1.81	0.0002	609.60 609.57	612.30 611.57	2.70	2.08	CB 3A 0.015
D714	D712		0.18 0.29	0.16 0.26	11.20	4.72	4.68	1.2	1.2	12	132.0	0.0033	608.82 608.38	2.45	1.92	0.0016	609.57 609.37	611.57 610.89	2.00	1.75	CB 3A 0.015
D713	D712		0.23 0.52	0.21 0.47	15.00	4.13	4.68	0.9	1.0	12	11.0	0.0027	608.41 608.38	2.08	1.73	0.0010	609.38 609.37	610.89 610.89	1.51	1.48	CB 2-2B 0.015
D712	D711		0.23 0.75	0.21 0.68	15.09	4.12	4.68	2.8	3.2	15	50.0	0.0036	608.38 608.20	3.06	3.61	0.0032	609.37 609.21	610.89 610.50	1.52	1.26	CB 3 0.015
D715	D711		0.11 0.86	0.10 0.77	10.00	4.94	4.68	0.5	0.5	12	128.0	0.0030	608.61 608.23	1.85	1.81	0.0002	609.24 609.21	611.50 610.50	2.26	1.89	CB 3A 0.015
D711	H707		0.17 1.03	0.15 0.93	15.36	4.08	4.68	3.8	4.3	15	10.0	0.0100	608.20 608.10	4.90	6.02	0.0060	609.21 609.15	610.50 609.50	1.29	1.05	CB 3 0.015