



STORM SEWER SYSTEM

PID : 122886 **Date :** 10/29/2025 **Project :** ODOT Site 7 Truck Parking **Location :** Site 7

Description : ODOT Site 7 Truck Parking

Designer : SWK

Rainfall Area: C

Just Full Capacity Frequency (yrs.) : 10

Hydraulic Gradient Frequency (yrs.) : 10

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 (10 yrs.)	(10 yrs.)	(10 yrs.)	(10 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'
CB1	MH1		1.03 1.03	0.93 0.93	10.00	5.32	5.32	4.9	4.9	15	6.6	0.0107	713.06 712.99	5.30	6.23	0.0077	714.12 714.07	716.23 715.58	2.11	1.92	CB 3 0.015
MH1	MH2		0.00 1.03	0.00 0.93	10.02	5.32	5.16	4.9	4.8	15	267.5	0.0113	712.99 709.96	5.42	6.41	0.0073	713.84 711.03	715.58 712.33	1.74	1.34	MH 1 0.015
CB2	MH2		0.83 1.86	0.75 1.67	10.00	5.32	5.32	4.0	4.0	15	5.7	0.0052	710.73 710.70	3.76	4.35	0.0050	711.76 711.73	713.16 712.33	1.40	1.18	CB 3 0.015
MH2	MH3		0.00 1.86	0.00 1.67	10.84	5.16	5.08	8.6	8.5	18	144.4	0.0116	708.06 706.38	6.27	10.56	0.0087	709.14 707.70	712.78 711.28	3.64	3.22	MH 1 0.015
CB3	MH3		0.16 2.02	0.14 1.82	10.00	5.32	5.31	0.8	0.8	15	10.2	0.0088	709.34 709.25	3.05	5.66	0.0002	710.05 710.05	713.16 711.28	3.11	2.57	CB 3 0.015
MH3	MH7		0.00 2.02	0.00 1.82	11.23	5.08	5.06	9.2	9.2	21	44.5	0.0063	706.13 705.85	5.09	11.72	0.0045	707.49 707.29	711.27 710.23	3.78	3.39	MH 1 0.015
CB4	MH4		0.61 2.63	0.55 2.37	10.00	5.32	5.32	2.9	2.9	15	5.9	0.0034	711.99 711.97	3.01	3.51	0.0027	712.95 712.94	715.89 714.47	2.94	2.65	CB 3 0.015
MH4	MH5		0.00 2.63	0.00 2.37	10.03	5.32	5.14	2.9	2.8	15	252.6	0.0110	711.97 709.18	4.79	6.33	0.0025	712.58 710.14	714.47 711.52	1.89	1.25	MH 1 0.015



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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.)	(cfs.)	DIAM.	LENGTH	SLOPE	IN / OUT	VEL	CAPACITY	SLOPE	IN / OUT	IN / OUT	MINUS	MINUS	MANNING'S
	From To	(acres)		(min.)	(10 yrs.)	(10 yrs.)	(10 yrs.)	(in.)	(ft.)	(ft./ft.)	(ft.)	(fps.)	(cfs.)	(ft./ft.)	(ft.)	(ft.)	HY GR	CROWN	'n'
CB5	MH5	0.81 3.44	0.73 3.10	10.00	5.32	5.31	3.9	15	7.9	0.0051	710.34 710.30	3.70	4.29	0.0048	711.36 711.32	712.99 711.52	1.63	1.40	CB 3 0.015
MH5	MH6	0.00 3.44	0.00 3.10	10.91	5.14	5.08	6.6	18	127.4	0.0120	708.01 706.48	6.03	10.73	0.0051	708.89 707.72	711.52 712.85	2.63	2.01	MH 1 0.015
CB6	MH6	0.16 3.60	0.14 3.24	10.00	5.32	5.31	0.8	15	10.3	0.0087	709.44 709.35	3.05	5.63	0.0002	710.15 710.15	713.26 712.85	3.11	2.57	CB 3 0.015
MH6	MH7	0.00 3.60	0.00 3.24	11.26	5.08	5.04	7.2	21	61.0	0.0062	706.23 705.85	4.83	11.66	0.0027	707.39 707.22	712.85 710.52	5.46	4.87	MH 1 0.015
MH7	OUT	0.00 3.60	0.00 3.24	11.48	5.04	5.03	16.3	24	14.4	0.0118	705.35 705.18	7.48	22.94	0.0069	707.01 706.91	710.23 708.89	3.22	2.88	MH 1 0.015