

From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Pipe Diameter	Manning's Roughness	Initial Flow	Peak Flow	Time of Peak Flow Occurrence (days hh:mm)	Max Flow Velocity (ft/sec)	Travel Time (min)	Design Flow Capacity (cfs)	Max Flow / Design Flow Ratio	Max Flow Depth / Total Depth Ratio	Total Time Surcharged (min)	Max Flow Depth (ft)	Reported Condition
		(ft)	(ft)	(ft)	(%)	(inches)		(cfs)	(cfs)									
AD-3	DMH-8	52.84	247.50	247.00	0.9500	15.000	0.0130	5.16	4.22	0 00:00	5.24	0.17	6.28	0.67	0.83	0.00	0.42	Calculated
Bldg 2 - South	DMH-9	10.00	250.60	250.50	1.0000	18.000	0.0130	0.00	3.68	0 00:05	3.63	0.05	10.50	0.35	0.85	0.00	1.28	Calculated
BLDG_1_N90	BLDG1_TEE1	53.99	257.50	257.35	0.2800	24.000	0.0130	0.00	4.09	0 00:02	2.04	0.44	13.77	0.30	0.83	0.00	1.62	Calculated
BLDG1_TEE1	BLDG1-TEE2N	108.00	257.35	257.00	0.3200	30.000	0.0130	0.00	7.05	0 00:01	2.64	0.68	24.96	0.28	0.75	0.00	1.87	Calculated
BLDG1-TEE2N	BLDG1TEE3N	108.00	257.00	256.60	0.3700	36.000	0.0130	0.00	13.90	0 00:01	3.56	0.51	45.38	0.31	0.71	0.00	2.13	Calculated
BLDG1TEE3N	SWM-6	100.00	256.60	256.30	0.3000	36.000	0.0130	0.00	20.20	0 00:00	4.14	0.40	47.16	0.43	0.82	0.00	2.46	Calculated
BLDG2_TEE3	BLDG2-TEE4	108.00	252.90	252.35	0.5100	18.000	0.0130	0.00	3.12	0 00:06	3.23	0.56	5.54	0.56	0.54	0.00	0.81	Calculated
BLDG2N90	BLDG2-TEE1	108.00	254.20	253.70	0.4600	18.000	0.0130	0.00	0.87	0 00:05	2.05	0.88	6.39	0.14	0.29	0.00	0.43	Calculated
BLDG2-TEE1	BLDG2-TEE2	108.00	253.70	253.15	0.5100	18.000	0.0130	0.00	1.65	0 00:05	2.24	0.80	7.15	0.23	0.44	0.00	0.66	Calculated
BLDG2-TEE2	BLDG2_TEE3	54.00	253.15	252.90	0.4600	18.000	0.0130	0.00	2.38	0 00:06	2.25	0.40	6.39	0.37	0.58	0.00	0.87	Calculated
BLDG2-TEE4	DMH-17	54.30	252.35	252.10	0.4600	18.000	0.0130	0.00	3.85	0 00:06	4.12	0.22	11.93	0.32	0.53	0.00	0.80	Calculated
CB-1	EX. WQU-25	11.32	254.20	253.95	2.2100	12.000	0.0130	0.00	1.83	0 00:05	4.84	0.04	5.29	0.35	0.49	0.00	0.49	Calculated
CB-10	ICS-1	62.70	247.40	247.00	0.6400	12.000	0.0130	0.00	1.46	0 00:05	4.75	0.22	3.49	0.42	0.42	0.00	0.42	Calculated
CB-11	DMH-19	42.28	247.15	247.00	0.3500	15.000	0.0130	0.00	2.97	0 00:05	3.52	0.20	3.85	0.77	0.65	0.00	0.81	Calculated
CB-12	DMH-19	18.00	248.00	247.75	1.3900	12.000	0.0130	0.00	1.47	0 00:05	5.02	0.06	5.63	0.26	0.40	0.00	0.40	Calculated
CB-13	ICS-1	20.00	247.15	247.00	0.7500	12.000	0.0130	0.00	0.85	0 00:05	4.20	0.08	6.17	0.14	0.31	0.00	0.31	Calculated
CB-14	WQU-3	33.10	249.20	248.60	1.8100	12.000	0.0130	0.00	1.78	0 00:05	3.92	0.14	4.80	0.37	0.72	0.00	0.72	Calculated
CB-15	WQU-3	128.71	249.30	248.60	0.5400	12.000	0.0130	0.00	1.24	0 00:05	2.49	0.86	2.63	0.47	0.72	0.00	0.72	Calculated
CB-16	ICS-1	69.30	247.40	247.00	0.5800	12.000	0.0130	0.00	0.86	0 00:05	3.53	0.33	3.32	0.26	0.35	0.00	0.35	Calculated
CB-17	WQU-3	105.25	249.30	248.60	0.6700	12.000	0.0130	0.00	2.01	0 00:05	3.32	0.53	2.91	0.69	0.77	0.00	0.77	Calculated
CB-18	DMH-14	133.60	248.40	247.70	0.5200	12.000	0.0130	0.00	1.36	0 00:05	2.98	0.75	2.58	0.53	0.57	0.00	0.57	Calculated
CB-19	DMH-27	22.00	248.50	247.50	4.5500	18.000	0.0130	0.00	5.10	0 00:05	5.81	0.06	22.40	0.23	0.82	0.00	1.23	Calculated
CB-2	DMH-14	21.74	247.80	247.30	2.3000	12.000	0.0130	0.00	1.47	0 00:05	4.02	0.09	5.40	0.27	0.78	0.00	0.78	Calculated
CB-20	DMH-25	67.80	257.50	257.00	0.7400	18.000	0.0130	0.00	4.08	0 00:05	11.09	0.10	30.46	0.13	0.26	0.00	0.39	Calculated
CB-3	DMH-5	39.41	258.10	257.80	0.7600	12.000	0.0130	0.00	2.70	0 00:10	3.95	0.17	3.11	0.87	0.81	0.00	0.81	Calculated
CB-5	DMH-14	78.69	247.80	247.30	0.6400	15.000	0.0130	0.00	3.49	0 00:05	3.49	0.38	5.15	0.68	0.77	0.00	0.97	Calculated
CB-6	DMH-21	10.13	255.70	255.00	6.9100	12.000	0.0130	0.00	3.52	0 00:05	12.00	0.01	25.03	0.14	0.62	0.00	0.62	Calculated
CB-7	DMH-23	45.00	256.80	256.00	1.7800	12.000	0.0130	0.00	1.39	0 00:05	4.77	0.16	4.75	0.29	0.40	0.00	0.40	Calculated
CB-8	DMH-2	21.00	250.90	250.50	1.9000	18.000	0.0130	0.00	6.57	0 00:06	6.23	0.06	14.50	0.45	0.63	0.00	0.94	Calculated
CB-9	DMH-15	22.00	249.50	248.70	3.6400	18.000	0.0130	0.00	5.98	0 00:05	6.15	0.06	20.03	0.30	0.80	0.00	1.20	Calculated
DMH-10	DMH-6	51.62	249.30	249.00	0.5800	30.000	0.0130	0.00	13.75	0 00:06	4.83	0.18	31.27	0.44	0.57	0.00	1.42	Calculated
DMH-11	DMH-18	88.09	252.60	252.00	0.6800	15.000	0.0130	0.00	3.50	0 00:05	4.25	0.35	5.33	0.66	0.64	0.00	0.80	Calculated
DMH-12	SPLASHPAD2	84.80	241.00	240.00	1.1800	36.000	0.0130	0.00	56.00	0 00:00	8.06	0.18	51.22	1.09	1.00	1440.00	3.00	SURCHARGED
DMH-13	DMH-3	191.50	244.20	243.20	0.5200	36.000	0.0150	0.00	11.55	0 00:02	4.67	0.68	41.77	0.28	0.76	0.00	2.27	Calculated
DMH-14	WQU-1	167.46	247.20	246.60	0.3600	21.000	0.0130	0.00	5.95	0 00:06	4.14	0.67	9.48	0.63	0.58	0.00	1.01	Calculated
DMH-15	DMH-27	221.54	248.60	247.50	0.5000	30.000	0.0130	0.00	17.56	0 00:07	4.76	0.78	28.90	0.61	0.71	0.00	1.77	Calculated
DMH-16	DMH-2	216.08	251.50	250.00	0.6900	24.000	0.0130	0.00	5.96	0 00:06	4.15	0.87	18.85	0.32	0.53	0.00	1.07	Calculated
DMH-17	SWM-2	132.00	252.00	251.55	0.3400	18.000	0.0130	0.00	3.82	0 00:06	3.20	0.69	6.13	0.62	0.64	0.00	0.96	Calculated
DMH-18	DMH-10	26.72	251.90	251.70	0.7500	18.000	0.0130	0.00	3.50	0 00:05	4.15	0.11	9.09	0.38	0.48	0.00	0.72	Calculated
DMH-19	WQU-1	12.50	246.90	246.85	0.4000	18.000	0.0150	0.00	0.88	0 00:06	1.96	0.11	5.76	0.15	0.30	0.00	0.45	Calculated
DMH-2	DMH-15	222.07	249.90	248.70	0.5400	24.000	0.0130	0.00	12.17	0 00:07	4.79	0.77	16.63	0.73	0.75	0.00	1.51	Calculated
DMH-20	DMH-22	180.67	247.90	247.00	0.5000	30.000	0.0130	0.00	17.27	0 00:07	5.32	0.57	28.95	0.60	0.63	0.00	1.58	Calculated
DMH-21	DMH-16	114.29	254.90	254.00	0.7900	15.000	0.0130	0.00	4.71	0 00:06	5.05	0.38	6.04	0.78	0.72	0.00	0.89	Calculated
DMH-22	DMH-31	166.67	246.90	246.00	0.5400	30.000	0.0130	0.00	17.06	0 00:07	4.99	0.56	30.14	0.57	0.66	0.00	1.65	Calculated
DMH-23	DMH-21	99.21	255.90	255.00	0.9100	15.000	0.0130	0.00	1.38	0 00:05	2.02	0.82	6.15	0.22	0.54	0.00	0.68	Calculated
DMH-24	DMH-30	140.00	242.10	241.70	0.2900	48.000	0.0150	0.00	39.64	0 00:01	4.18	0.56	66.54	0.60	0.99	0.00	3.94	Calculated
DMH-25	WQU-7	41.40	251.00	250.50	1.2100	36.000	0.0130	0.00	4.14	0 00:05	1.05	0.66	243.11	0.02	0.55	0.00	1.64	Calculated
DMH-26	DMH-8	42.00	245.90	245.30	1.4300	30.000	0.0130	0.00	15.90	0 00:00	6.39	0.11	49.02	0.32	0.70	0.00	1.11	Calculated
DMH-27	ICS-2	232.00	247.40	246.30	0.4700	30.000	0.0130	0.00	21.95	0 00:07	5.60	0.69	28.24	0.78	0.75	0.00	1.87	Calculated
DMH-28	DMH-29	73.80	249.10	247.80	1.7600	12.000	0.0150	0.00	0.01	0 00:00	0.39	3.15	1.38	0.01	0.07	0.00	0.07	Calculated
DMH-29	SWM-3IN	13.00	247.70	247.50	1.5400	12.000	0.0150	0.00	0.01	0 00:01	0.06	3.61	21.83	0.00	0.16	0.00	0.16	Calculated
DMH-3	DMH-24	217.00	243.10	242.20	0.4100	48.000	0.0130	0.00	29.17	0 00:01	3.36	1.08	92.51	0.32	0.81	0.00	3.24	Calculated
DMH-30	DMH-7	65.04	241.20	241.00	0.3100	48.000	0.0130	0.00	57.99	0 00:00	5.76	0.19	79.65	0.73	1.00	1439.00	4.00	SURCHARGED
DMH-31	SWM-4	160.87	245.90	245.00	0.5600	30.000	0.0130	0.00	18.99	0 00:08	5.17	0.52	30.68	0.62	0.70	0.00	1.75	Calculated
DMH-5	DMH-16	202.62	257.50	256.30	0.5900	12.000	0.0130	0.00	2.59	0 00:11	3.93	0.86	2.74	0.94	0.78	0.00	0.78	Calculated
DMH-6	DMH-20	176.17	248.90	248.00	0.5100	30.000	0.0130	0.00	13.70	0 00:06	4.65	0.63	29.32	0.47	0.59	0.00	1.47	Calculated
DMH-7	SPLASHPAD1	36.99	240.17	239.95	0.5900	36.000	0.0130	0.00	82.64	0 00:00	11.70	0.05	51.44	1.61	1.00	1440.00	3.00	SURCHARGED
DMH-8	DMH-13	55.80	244.80	244.30	0.9000	36.000	0.0150	0.00	36.75	0 00:00	8.05	0.12	54.72	0.67	0.80	0.00	1.54	Calculated
DMH-9	DMH-10	213.02	250.40	249.40	0.4700	24.000	0.0130	0.00	10.67	0 00:06	4.48	0.79	15.50	0.69	0.71	0.00	1.42	Calculated
Ex. Bldg 3 - NE	DMH-11	16.91	256.00	254.30	10.0500	8.040	0.0130	0.00	3.63	0 00:05	11.07	0.03	3.83	0.95	0.89	0.00	0.59	Calculated

Warehouse|Industrial Development
100 and 200 Financial Park
Storm Pipe Analysis

Date Calculated: 05-09-2023 revised 10-19-2023
 Calculated by: JMP
 Storm Event : 25-Year

From (Inlet) Node	To (Outlet) Node	Length	Inlet Invert Elevation	Outlet Invert Elevation	Average Slope	Pipe Diameter	Manning's Roughness	Initial Flow	Peak Flow	Time of Peak Flow Occurrence	Max Flow Velocity	Travel Time	Design Flow Capacity	Max Flow / Design Flow Ratio	Max Flow Depth / Total Depth Ratio	Total Time Surcharged	Max Flow Depth	Reported Condition
		(ft)	(ft)	(ft)	(%)	(inches)		(cfs)	(cfs)	(days hh:mm)	(ft/sec)	(min)	(cfs)			(min)	(ft)	
EX. CB-1	DMH-10	11.69	254.00	253.89	0.9400	12.000	0.0130	0.00	0.09	0 00:05	1.19	0.16	3.46	0.03	0.15	0.00	0.15	Calculated
EX. CB-22A	EX. WQI-22	24.30	255.75	255.54	0.8600	18.000	0.0130	0.00	0.70	0 00:05	2.75	0.15	9.77	0.07	0.21	0.00	0.32	Calculated
EX. CB-22B	EX. WQI-22	23.54	255.75	255.54	0.8900	18.000	0.0130	0.00	1.00	0 00:05	3.20	0.12	9.92	0.10	0.23	0.00	0.35	Calculated
EX. DMH 23(1)	DMH-31	47.44	249.00	248.55	0.9500	18.000	0.0130	0.00	3.50	0 00:05	3.55	0.22	10.23	0.34	0.55	0.00	0.82	Calculated
EX. DMH 25	DMH-9	198.92	251.40	250.50	0.4500	24.000	0.0130	0.00	7.79	0 00:05	3.93	0.84	15.22	0.51	0.60	0.00	1.21	Calculated
EX. DMH-23	EX. DMH 25	87.08	251.77	251.53	0.2800	24.000	0.0130	0.00	3.89	0 00:05	2.60	0.56	11.88	0.33	0.49	0.00	0.97	Calculated
EX. WQI-22	EX. DMH-23	82.47	255.29	254.64	0.7900	12.000	0.0130	0.00	1.66	0 00:05	3.82	0.36	3.16	0.52	0.54	0.00	0.54	Calculated
EX. WQI-24	EX. DMH 25	8.83	254.11	253.90	2.3800	12.000	0.0130	0.00	2.35	0 00:05	5.13	0.03	5.49	0.43	0.57	0.00	0.56	Calculated
EX. WQI-25	EX. DMH 25	6.75	253.70	253.60	1.4800	12.000	0.0130	0.00	1.83	0 00:05	4.20	0.03	4.34	0.42	0.54	0.00	0.54	Calculated
ICS-1	ISO-1	8.15	246.10	246.00	1.2300	18.000	0.0150	0.00	2.53	0 00:05	4.47	0.03	40.34	0.06	0.36	0.00	0.53	Calculated
ICS-1	SWM-4.	30.83	246.50	246.50	0.0000	12.000	0.0130	0.00	0.61	0 00:05	3.07	0.17	3.51	0.17	0.30	0.00	0.30	Calculated
ICS-2	SWM-3	43.70	246.20	246.20	0.0000	30.000	0.0130	0.00	11.30	0 00:07	3.88	0.19	18.34	0.62	0.70	0.00	1.74	Calculated
ICS-2	SWM3ISO	19.80	246.05	245.97	0.4000	24.000	0.0150	0.00	11.69	0 00:00	4.98	0.07	15.89	0.74	0.96	0.00	1.91	Calculated
RG#2TEE	DMH-13	45.56	247.50	246.50	2.1900	15.000	0.0130	3.73	3.46	0 00:00	8.16	0.09	9.57	0.36	0.38	0.00	0.13	Calculated
RL_90	RL_TEE1	107.50	253.30	252.90	0.3700	18.000	0.0130	0.00	1.86	0 00:05	2.11	0.85	6.41	0.29	0.51	0.00	0.76	Calculated
RL_TEE1	RL_TEE2	108.00	252.90	252.50	0.3700	18.000	0.0130	0.00	3.58	0 00:05	3.67	0.49	6.39	0.56	0.54	0.00	0.81	Calculated
RL_TEE2	RL_TEE3	54.50	252.50	252.30	0.3700	18.000	0.0130	0.00	0.01	0 05:21	0.12	7.57	6.36	0.00	0.08	0.00	0.12	Calculated
RL_TEE3	RL_TEE4	108.00	252.30	251.90	0.3700	18.000	0.0130	0.00	0.21	0 00:26	0.58	3.10	6.39	0.03	0.27	0.00	0.41	Calculated
RL_TEE4	SWM-2	26.00	251.90	251.50	1.5400	24.000	0.0130	0.00	1.76	0 00:25	1.86	0.23	28.06	0.06	0.41	0.00	0.81	Calculated
SWM-2OUT	DMH-28	130.50	252.50	249.40	2.3800	12.000	0.0150	0.50	0.42	0 00:00	4.17	0.52	3.31	0.13	0.19	0.00	0.13	Calculated
SWM-3_WYE	DMH-26	22.00	246.16	246.00	0.7300	30.000	0.0130	0.00	4.05	0 00:00	2.86	0.13	34.98	0.12	0.33	0.00	0.84	Calculated
SWM3-90(1)	SWM-3_WYE	10.00	246.16	246.16	0.0000	30.000	0.0150	0.00	1.46	0 00:00	2.27	0.07	15.90	0.09	0.19	0.00	0.47	Calculated
SWM3-90(2)	SWM-3_TEE	10.00	246.16	246.16	0.0000	30.000	0.0150	0.00	1.46	0 00:00	2.27	0.07	15.90	0.09	0.19	0.00	0.47	Calculated
SWM3-OUT1	SWM3-90(1)	5.00	246.16	246.16	0.0000	24.000	0.0150	6.63	5.03	0 00:00	3.55	0.02	8.77	0.57	0.50	0.00	0.24	Calculated
SWM3-OUT2	SWM3-90(2)	5.00	246.16	246.16	0.0000	24.000	0.0150	6.63	5.03	0 00:00	3.55	0.02	8.77	0.57	0.50	0.00	0.24	Calculated
SWM-4OUT.	DMH-8	26.50	245.00	244.90	0.3800	30.000	0.0130	0.00	12.25	0 00:00	3.66	0.12	25.20	0.49	0.73	0.00	1.17	Calculated
SWM6-OUT	DMH-25	27.10	257.10	255.50	5.9000	36.000	0.0130	14.70	13.04	0 00:00	13.77	0.03	162.07	0.08	0.25	0.00	0.75	Calculated
WQU-1	DMH-24	110.35	246.50	246.00	0.4500	24.000	0.0130	0.00	5.06	0 00:07	4.00	0.46	15.23	0.33	0.42	0.00	0.85	Calculated
WQU-3	DMH-20	90.63	248.50	248.00	0.5500	24.000	0.0130	0.00	4.57	0 00:05	3.52	0.43	16.80	0.27	0.66	0.00	1.32	Calculated
WQU-7	DMH-12	27.30	250.00	249.60	1.4700	36.000	0.0150	0.00	4.13	0 00:05	13.30	0.03	290.61	0.01	0.09	0.00	0.27	Calculated

Warehouse | Industrial Development
100 and 200 Financial Park
Storm Pipe Analysis

Date Calculated: 05-09-2023 revised 10-19-2023

Calculated by: JMP

Storm Event : 25-Year

Outfall	Invert Elevation	Boundary Type	Fixed Water Elevation	Peak Inflow	Peak Lateral Inflow	Maximum HGL Depth Attained	Maximum HGL Elevation Attained
	(ft)		(ft)	(cfs)	(cfs)	(ft)	(ft)
ISO-1 (from ICS-1)	246.00	FIXED	246.75	2.53	0.00	0.75	246.75
SPLASHPAD1 (from DMH-7)	239.85	FIXED	245.71	82.63	0.00	5.86	245.71
SPLASHPAD2 (from DMH-12)	240.50	FIXED	245.71	56.05	0.00	5.21	245.71
SWM-2 (from BLDG #1 S)	251.00	FIXED	252.49	1.76	0.00	1.49	252.49
SWM-2 (from DMH-17)	251.00	FIXED	252.49	3.82	0.00	1.49	252.49
SWM-3 header (from ICS-2)	245.85	FIXED	247.80	11.30	0.00	1.95	247.80
SWM-3 (from DMH-29)	247.50	FIXED	247.80	0.01	0.00	0.30	247.80
ISO-2 (from ICS-2)	245.97	FIXED	247.80	11.69	0.00	1.83	247.80
SWM-4(DMH-31)	245.00	FIXED	246.75	18.99	0.00	1.75	246.75
SWM-4(ICS-1)	247.30	FIXED	246.75	0.61	0.00	0.28	247.58
SWM-6 (from BLDG #1 N)	256.25	FIXED	258.81	20.32	0.00	2.56	258.81