



DESCRIPTION	LEGEND	SYMBOL
EXISTING GROUND CONTOUR		6910
DRAINAGE BASIN BOUNDARY		Blue dashed line
DESIGN POINT		Blue circle with number
BASIN IDENTIFIER		Green circle with number
AREA IN ACRES		Green circle with number
EXISTING DIRECTION OF FLOW		Black arrow
EXISTING STORM SEWER		Red line

MASTER DEVELOPMENT DRAINAGE PLAN ~ SURFACE ROUTING SUMMARY

Design Point(s)	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow	
					I(5)	I(100)	Q(5)	Q(100)
H1	CS-2, H-1	1.73	6.14	27.2	2.63	4.41	5	27
H2	H-2	0.40	1.58	21.2	3.00	5.04	1	8
H3	CS-1, CS-3, H-3	15.83	52.15	40.5	2.03	3.41	32	178
H4	H-4	0.67	2.66	23.8	2.83	4.74	2	13
H5	H-5	1.47	5.87	34.6	2.27	3.81	3	22
H6	H-6	0.48	1.91	26.6	2.66	4.47	1	9
H7	H-7	1.51	6.05	29.2	2.52	4.23	4	26
H8	H-8	1.59	6.37	31.3	2.42	4.06	4	26

MASTER DEVELOPMENT DRAINAGE PLAN ~ BASIN RUNOFF SUMMARY

BASIN	WEIGHTED				OVERLAND				STREET / CHANNEL FLOW				Tc (min)	INTENSITY			TOTAL FLOWS				
	CA(2)	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Slope (%)	Velocity (fps)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)		Tc (min)	TOTAL (cfs)	I(2)	I(5)	I(100)	Q(2)	Q(5)	Q(100)
H1	0.22	0.67	2.66	0.09	300	10	21.2	670	5.0%	2.2	5.0	26.2	2.19	2.68	4.50	0.5	2	12			
H2	0.13	0.40	1.58	0.09	300	10	21.2					21.2	2.40	3.00	5.04	0.3	1	8			
H3	1.28	3.79	15.16	0.09	300	11	20.6	1700	6.0%	2.4	11.6	32.1	1.91	2.38	3.99	2	9	60			
H4	0.22	0.67	2.66	0.09	300	14	19.0	770	7.0%	2.6	4.9	23.8	2.28	2.83	4.74	0.5	2	13			
H5	0.49	1.47	5.87	0.09	300	10	21.2	1600	4.0%	2.0	13.3	34.6	1.82	2.27	3.81	0.9	3	22			
H6	0.16	0.48	1.91	0.09	300	14	19.0	850	3.5%	1.9	7.6	26.6	2.13	2.66	4.47	0.3	1	9			
H7	0.50	1.51	6.05	0.09	300	8	22.9	600	2.5%	1.6	6.3	29.2	2.02	2.52	4.23	1	4	26			
H8	0.53	1.59	6.37	0.09	300	7	23.9	700	2.5%	1.6	7.4	31.3	1.94	2.42	4.06	1	4	26			
CS-1	4.36	10.45	33.97	0.12	300	14	18.4	2200	3.5%	2.4	15.1	33.5	1.88	2.32	3.89	8	24	132			
CS-2	0.45	1.07	3.47	0.12	300	12	19.4	270	3.7%	1.9	2.3	21.7	2.37	2.95	4.98	1	3	17			
CS-3	1.28	1.59	3.02	0.09	300	10	21.2	500	3.2%	1.8	4.7	25.9	2.16	2.70	4.54	3	4	14			

MASTER DEVELOPMENT DRAINAGE PLAN ~ BASIN RUNOFF COEFFICIENT SUMMARY

BASIN	TOTAL AREA (AC)	IMPERVIOUS AREA / STREETS			DEVELOPED / UNDEVELOPED AREAS			WEIGHTED			WEIGHTED CA				
		AREA (AC)	C(2)	C(5)	C(100)	AREA (AC)	C(2)	C(5)	C(100)	C(2)	C(5)	C(100)	CA(2)	CA(5)	CA(100)
H-1	7.4	0.00	0.89	0.90	0.96	7.4	0.03	0.09	0.36	0.03	0.09	0.36	0.22	0.67	2.66
H-2	4.4	0.00	0.89	0.90	0.96	4.4	0.03	0.09	0.36	0.03	0.09	0.36	0.13	0.40	1.58
H-3	42.1	0.00	0.89	0.90	0.96	42.1	0.03	0.09	0.36	0.03	0.09	0.36	1.26	3.79	15.16
H-4	7.4	0.00	0.89	0.90	0.96	7.4	0.03	0.09	0.36	0.03	0.09	0.36	0.22	0.67	2.66
H-5	16.3	0.00	0.89	0.90	0.96	16.3	0.03	0.09	0.36	0.03	0.09	0.36	0.49	1.47	5.87
H-6	5.3	0.00	0.89	0.90	0.96	5.3	0.03	0.09	0.36	0.03	0.09	0.36	0.16	0.48	1.91
H-7	16.8	0.00	0.89	0.90	0.96	16.8	0.03	0.09	0.36	0.03	0.09	0.36	0.50	1.51	6.05
H-8	17.7	0.00	0.89	0.90	0.96	17.7	0.03	0.09	0.36	0.03	0.09	0.36	0.53	1.59	6.37
CS-1	87.1	0.00	0.89	0.90	0.96	87.1	0.05	0.12	0.39	0.05	0.12	0.39	4.36	10.45	33.97
CS-2	8.9	0.00	0.89	0.90	0.96	8.9	0.05	0.12	0.39	0.05	0.12	0.39	0.45	1.07	3.47
CS-3	6.5	2.00	0.57	0.59	0.70	4.5	0.03	0.09	0.36	0.20	0.24	0.46	1.28	1.59	3.02

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KETTLE CREEK NORTH
MASTER DEVELOPMENT DRAINAGE PLAN
PRE-DEVELOPED DRAINAGE MAP

DESIGNED BY: MAW SCALE: DATE: 6-1-19
DRAWN BY: MAW (H) 1" = 200' SHEET 1 OF 2
CHECKED BY: (V) 1" = N/A JOB NO. 2470.80

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