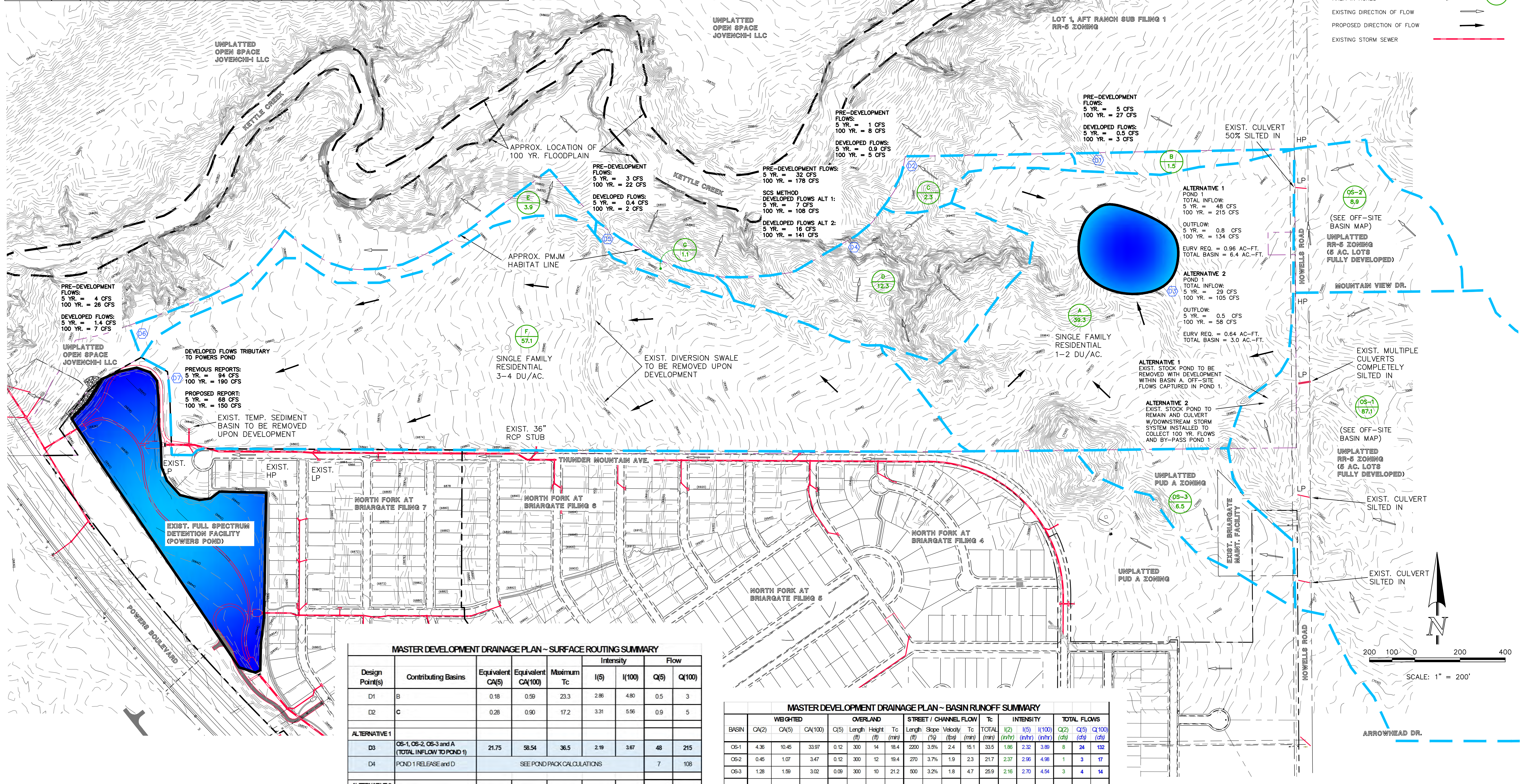


MASTER DEVELOPMENT DRAINAGE PLAN - BASIN RUNOFF COEFFICIENT SUMMARY															
BASIN	TOTAL AREA (AC)	IMPERVIOUS AREA / STREETS			DEVELOPED / UNDEVELOPED AREAS				WEIGHTED			WEIGHTED CA			
		AREA (AC)	C(2)	C(5)	C(100)	AREA (AC)	C(2)	C(5)	C(100)	C(2)	C(5)	C(100)	CA(2)	CA(5)	CA(100)
CS-1	87.1	0.00	0.89	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
A	39.3	0.00	0.89	0.90	0.96	39.3	0.15	0.22	0.46	0.15	0.22	0.46	5.90	8.65	18.08
B	1.5	0.00	0.89	0.90	0.96	1.5	0.05	0.12	0.39	0.05	0.12	0.39	0.08	0.18	0.59
C	2.3	0.00	0.89	0.90	0.96	2.3	0.05	0.12	0.39	0.05	0.12	0.39	0.12	0.28	0.90
D	12.3	0.00	0.89	0.90	0.96	12.3	0.04	0.11	0.38	0.04	0.11	0.38	0.49	1.35	4.67
E	3.9	0.00	0.89	0.90	0.96	3.9	0.05	0.12	0.39	0.05	0.12	0.39	0.20	0.47	1.52
F	57.1	0.00	0.89	0.90	0.96	57.1	0.41	0.45	0.59	0.41	0.45	0.59	23.41	25.70	33.69
G	1.1	0.00	0.89	0.90	0.96	1.1	0.05	0.12	0.39	0.05	0.12	0.39	0.06	0.13	0.43



DESCRIPTION	LEGEND	SYMBOL
EXISTING GROUND CONTOUR		6910
DRAINAGE BASIN BOUNDARY		—
DESIGN POINT		3
BASIN IDENTIFIER		BB
AREA IN ACRES		10.0
EXISTING DIRECTION OF FLOW		→
PROPOSED DIRECTION OF FLOW		→
EXISTING STORM SEWER		—

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)	
D1	B	0.18	0.59	23.3	2.86	4.80	0.5	3	
D2	C	0.28	0.90	17.2	3.31	5.56	0.9	5	
ALTERNATIVE 1									
D3	CS-1, CS-2, CS-3 and A (TOTAL INFLOW TO POND 1)	21.75	58.54	36.5	2.19	3.67	48	215	
D4	POND 1 RELEASE and D	SEE POND PACK CALCULATIONS						7	108
ALTERNATIVE 2									
D3	CS-2, CS-3 and A (TOTAL INFLOW TO POND 1)	11.30	24.57	28.9	2.54	4.26	29	105	
D4	POND 1 RELEASE and CS-1 & D	SEE POND PACK CALCULATIONS						16	141
D5	G	0.13	0.43	21.0	3.01	5.06	0.4	2	
D6	E	0.47	1.52	22.2	2.93	4.93	1.4	7	
D7	F	25.70	33.69	26.7	2.66	4.46	68	150	

MASTER DEVELOPMENT DRAINAGE PLAN - BASIN RUNOFF SUMMARY																		
BASIN	WEIGHTED			OVERLAND			STREET / CHANNEL FLOW			Tc (min)	TOTAL (cfs)	INTENSITY			TOTAL FLOWS (cfs)			
	CA(2)	CA(5)	CA(100)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (ft/s)			I(2)	I(5)	I(100)				
CS-1	4.36	10.45	33.97	0.12	300	14	18.4	2200	3.5%	2.4	15.1	33.5	1.86	2.32	3.88	8	24	132
CS-2	0.45	1.07	3.47	0.12	300	12	19.4	270	3.7%	1.9	23	21.7	2.37	2.96	4.98	1	3	17
CS-3	1.28	1.59	3.02	0.09	300	10	21.2	300	3.2%	1.8	4.7	25.9	2.16	2.70	4.54	3	4	14
A	5.90	8.65	18.08	0.22	100	2	12.6	1800	2.0%	2.8	10.6	23.2	2.29	2.86	4.81	14	25	87
B	0.08	0.18	0.59	0.12	300	11	20.0	450	5.0%	2.2	3.4	23.3	2.29	2.86	4.80	0.2	0.5	3
C	0.12	0.28	0.90	0.08	200	7	17.2					17.2	2.65	3.31	5.56	0.3	0.9	5
D	0.49	1.35	4.67	0.08	200	20	12.2	500	3.0%	1.7	4.8	17.0	2.66	3.33	5.60	1	5	26
E	0.20	0.47	1.52	0.12	300	8	22.2	235	2.35	2.93	4.93	0.5	1.4	7				
F	23.41	25.70	33.69	0.45	100	2	9.3	3500	3.0%	3.5	17.3	26.7	2.13	2.66	4.46	50	68	150
G	0.06	0.13	0.43	0.12	300	14	18.4	350	5.0%	2.2	2.6	21.0	2.41	3.01	5.06	0.1	0.4	2

**CLASSIC CONSULTING**

**KETTLE CREEK NORTH**  
**MASTER DEVELOPMENT DRAINAGE PLAN**  
 DEVELOPED DRAINAGE MAP

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

619 N. Cascade Avenue, Suite 200 (719) 785-0790  
 Colorado Springs, Colorado 80903 (719) 785-0799 (Fax)

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