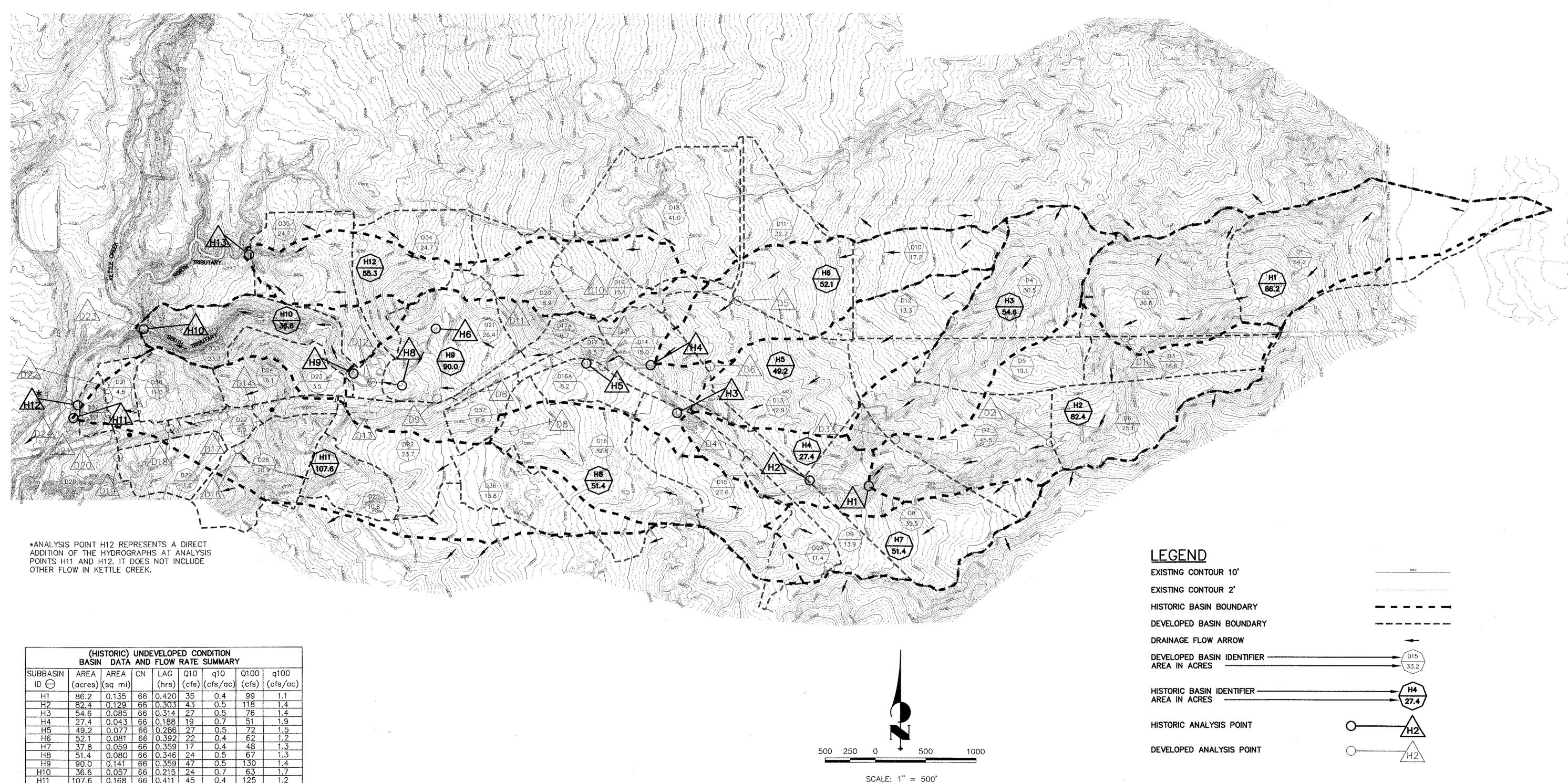
KETTLE CREEK DRAINAGE BASIN OLD RANCH ROAD TRIBUTARY DRAINAGE BASIN PLANNING STUDY AND MASTER DEVELOPMENT DRAINAGE PLAN

HISTORIC CONDITION DRAINAGE BASIN MAP



19	90.0	0.141	66	0.359	4/	0.0	130	
10	36.6	0.057	66	0.215	24	0.7	63	
11	107.6	0.168	66	0.411	45	0.4	125	
12	55.3	0.086	66	0.397	23	0.4	65	
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(HISTORIC) UNDEVELOPED CONDITION ANLYSIS POINT WATERSHED AREA AND FLOW RATE SUMMARY												
ANALYSIS	AREA	AREA	Q2	Q5	Q10	Q25	Q50	Q100				
POINT	(acres)	(sq mi)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)				
H1	166	0.26	11	36	60	105	140	179				
H2	224	0.35	14	48	81	144	193	247				
H3	301	0.47	18	60	99	181	246	317				
H4	352	0.55	22	73	121	217	294	376				
H5	352	0.55	22	72	121	216	291	376				
H6	352	0.55	22	73	120	215	291	374				
H7	90	0.14	7	23	35	60	81	103				
H8	442	0.69	27	94	155	274	371	477				
Н9	531	0.83	31	107	178	320	432	557				
H10	570	0.89	32	110	184	331	448	577				
H11	109	0.17	9	28	45	76	99	125				
H12	678	1.06	37	129	219	398	535	693				
H13	58	0.09	5	14	23	40	52	65				

- 1. PEAK FLOW RATES WERE ESTIMATED WITH HEC-1 COMPUTER MODEL USING THE SCS UNIT HYDROGRAPH METHOD.
- 2. HISTORIC FLOW RATES WERE ESTIMATED BASED ON AN ASSUMED CONDITION PRIOR TO ANY DEVELOPMENT IN THE WATERSHED. TOPO SHOWN ON THIS MAP REFLECTS SOME CHANGES CAUSED BY DEVELOPMENT. HOWEVER, FLOW PATHS UTILIZED IN THIS ANALYSIS WERE ESTIMATED BASED ON PRE-DEVELOPMENT CONDITIONS TO THE EXTENT POSSIBLE.

SHEET 1 OF 1 JOB NO. **8877.10**