

COMPOSITE C<sub>n</sub> VALUES - EXISTING CONDITIONS

BASIN (label)	BASIN AREA (Ac)	SOIL TYPE A		SOIL TYPE B		SOIL TYPE C		WEIGHTED C
		CN	AREA (Ac.)	CN	AREA (Ac.)	CN	AREA (Ac.)	
M-4 thru M-27		SEE DRAINAGE BASIN PLANNING STUDY						
OS-1 (undev)	22.48	39		61	3.96	74	21.73	82.3
OS-1 (roadway)	11.00	39		98	4.61	98	6.39	98.0
OS-1 (composite)	33.48							87.4
OS-2	32.75	39		61		74	32.75	62.82
OS-3	15.85	39		61		74	15.85	74.0
OS-4	20.09	39		61		74	20.09	74.0
OS-5	24.91	39		61	2.65	74	22.26	72.6
EX-1	111.17	39		61		74	12.47	74.0
EX-2	91.09	39		61	28.4	74	62.69	69.9
EX-3	6.11	39		61		74	6.11	74.0
EX-4	131.78	39		61	16.18	74	115.60	72.4
EX-4A	76.47	39		61		74	76.47	74.0
EX-5	25.23	39		61		74	25.23	74.0
EX-6	62.10	39		61		74	62.10	74.0
EX-7	35.97	39		61		74	35.97	74.0

ALL UNDEVELOPED LAND ASSUMED "GOOD PASTURE OR RANGE" LAND USAGE

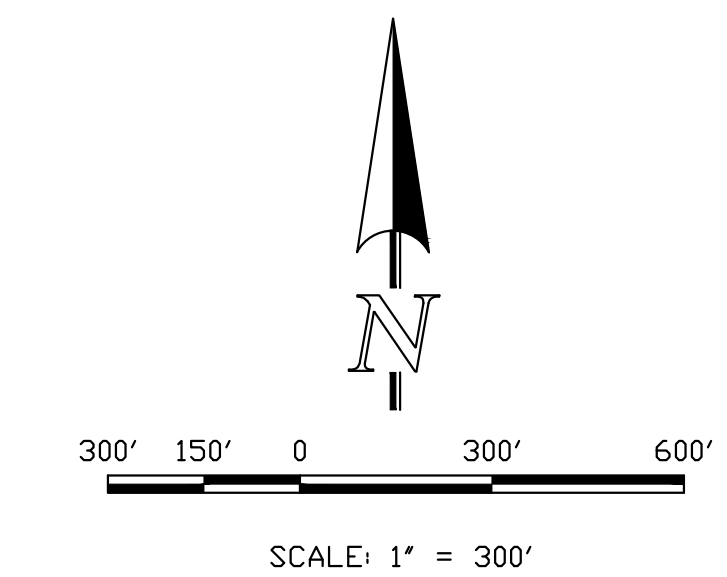
BASIN SUMMARY - EXISTING CONDITIONS

BASIN (label)	TOTAL BASIN AREA (acres)	TOTAL BASIN AREA (sq m)	WEIGHTED CN	TOTAL LAG TIME (hours)	TOTAL Time of Concentration PondPak Model (hours)	Q 2 Yr. (cfs)	Q 5 Yr. (cfs)	Q 10 Yr. (cfs)	Q 50 Yr. (cfs)	Q 100 Yr. (cfs)
M4	148.22	0.2316	75.1	0.5167	0.8613	32.08	58.82	97.47	173.52	190.04
M5	115.07	0.1798	67.9	0.3833	0.8390	11.85	28.82	56.45	114.49	127.46
M6	143.10	0.2236	55.8	0.3833	0.8390	0.35	3.16	15.26	52.52	62.82
M7	106.54	0.1696	68.0	0.3167	0.5279	12.93	31.57	61.02	124.47	138.68
M8	158.53	0.2477	78.7	0.7500	1.2503	38.61	64.75	100.95	168.42	184.02
M9	150.66	0.2354	72.5	1.1167	1.9615	14.24	27.13	46.04	83.79	92.28
M10	86.83	0.1398	71.7	0.7667	1.2781	9.86	19.55	34.27	64.65	71.39
M11	69.09	0.1079	73.0	0.4333	0.7233	8.69	18.36	34.27	64.65	71.39
M12	106.24	0.1660	63.5	0.4500	0.7502	4.18	13.79	31.40	71.24	80.42
M13	144.45	0.2257	61.7	0.5500	0.9189	2.87	11.63	28.75	70.50	80.39
M14	72.70	0.1136	70.3	0.5000	0.8335	8.53	18.61	34.20	66.43	73.79
M15	59.14	0.0924	57.8	0.3833	0.7233	0.32	3.94	11.35	33.85	39.49
M16	148.54	0.2321	64.8	0.5667	0.9447	6.44	18.78	40.37	88.46	99.46
M17	182.02	0.2844	75.7	0.5000	0.8335	45.59	81.11	132.20	233.23	255.04
M18	163.40	0.2563	71.4	0.5500	0.9189	20.41	42.69	76.56	145.74	162.28
M19	192.00	0.3000	65.2	0.3833	0.7274	8.16	23.84	50.51	111.88	126.13
M20	86.54	0.1388	63.7	0.6500	1.0626	2.87	8.82	19.74	44.48	50.25
M21	146.56	0.2290	63.7	0.3833	0.8390	6.41	21.29	48.71	111.51	126.01
M22	66.11	0.1033	50.3	0.3667	0.6113	0.01	0.17	1.32	11.07	14.10
M23	132.80	0.2075	53.7	0.7350	1.2219	0.21	1.19	6.16	23.85	28.29
M24	99.58	0.1568	65.0	0.6668	1.4585	6.45	16.36	35.20	78.36	88.30
M25	101.82	0.1591	57.7	0.3833	0.8390	0.54	4.28	15.40	46.59	54.43
M26	114.30	0.1786	54.1	0.9833	1.6382	0.18	0.97	4.53	16.41	19.58
M27	124.86	0.1961	49.8	1.0333	1.7225	0.02	0.31	1.83	10.03	12.48
OS-1	33.48	0.0523	87.4	0.1577	0.2629	44.11	82.85	166.20	326.06	374.14
OS-2	32.75	0.0512	74.0	0.2504	0.4174	10.96	20.87	34.22	62.39	66.02
OS-3	15.85	0.0248	74.0	0.1978	0.3297	6.22	11.54	19.01	33.18	36.20
OS-4	20.09	0.0314	74.0	0.1614	0.2691	9.12	16.32	26.33	45.94	50.11
OS-5	24.91	0.0389	72.6	0.1788	0.2981	3.47	17.82	29.53	51.78	56.55
EX-1	111.17	0.1737	72.5	0.3591	0.5986	25.50	49.23	84.45	154.50	169.71
EX-2	91.09	0.1423	69.9	0.2764	0.4607	16.92	36.68	67.07	128.54	142.30
EX-3	6.11	0.0095	74.0	0.1798	0.2955	2.59	4.72	7.87	13.24	14.43
EX-4	131.78	0.2069	72.4	0.2453	0.4090	35.27	70.89	122.64	223.73	245.59
EX-4A	76.47	0.1195	74.0	0.1498	0.2393	36.11	65.96	106.96	183.99	200.29
EX-5	25.23	0.0384	74.0	0.2771	0.4620	7.89	14.69	24.57	43.99	48.17
EX-6	62.10	0.0970	74.0	0.1343	0.2238	30.81	55.63	89.50	152.82	166.19
EX-7	35.97	0.0562	74.0	0.2520	0.4201	12.05	22.83	37.64	66.45	72.63

BASINS M4 - M27 INPUT DATA MATCHES JIMMY CAMP CREEK D.B.P.S.

DESIGN POINTS - EXISTING CONDITIONS

Design Point (label)	Q 2 Yr. Q (cfs)	Q 5 Yr. Q (cfs)	Q 10 Yr. Q (cfs)	Q 50 Yr. Q (cfs)	Q 100 Yr. Q (cfs)
E1	52.54	110.34	204.78	424.10	474.03
E2	133.27	299.67	574.39	1,186.78	1,328.17
E3	169.53	372.13	710.48	1,455.90	1,628.44
E4	179.50	389.77	741.42	1,514.32	1,691.97
E5	187.65	403.83	765.45	1,555.84	1,738.05
Pond-Marksheffel In	193.18	412.39	779.38	1,580.25	1,764.80
Pond-Marksheffel Out	193.12	398.16	699.03	1,078.09	1,147.02
E6 - Marksheffel Trib. Out	194.24	399.69	701.23	1,080.70	1,149.69
E9	2.68	4.72	7.87	13.24	14.43
E10	16.92	36.68	67.07	128.54	142.30
E11	45.99	83.97	138.22	244.61	267.42
E12	12.05	22.83	37.64	66.45	72.63
E12	6.22	11.54	19.01	33.18	36.20



LEGEND

- EXISTING INDEX CONTOUR 5910
- EXISTING NOMINAL CONTOUR 5910
- SUBDIVISION BOUNDARY
- LOT LINE
- BASIN IDENTIFIER D
- AREA IN ACRES 1.41
- HISTORIC BASIN BOUNDARY
- DIRECTION OF DRAINAGE
- EXISTING STORM SEWER
- EXISTING STORM INLET
- FEMA 100-YR FLOODPLAIN BOUNDARY LINE
- DESIGN POINT 1

EXISTING DRAINAGE MAP  
BRADLEY HEIGHTS  
JOB NO. 2266.10  
SEPTEMBER 2014  
SHEET 1 OF 1



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