

SUB-BASIN DATA SUMMARY FUTURE CONDITION

SUB BASIN I.D.	AREA (sq. miles)	AREA (acres)	PERCENT IMPERVIOUS	5YR TIME TO PEAK (MIN.)	100YR TIME TO PEAK (MIN.)	Q2 (cfs)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q50 (cfs)	Q100 (cfs)
*OS1	0.021	13.3	34.5	34	39	6	11	15	25	31	34
*OS2	0.027	17.2	8.3	42	49	1	5	8	17	21	23
OS3	0.229	146.6	7.0	47	54	7	35	55	125	155	176
OS4	0.020	12.5	8.0	39	45	1	4	6	14	17	19
OS5	0.040	25.4	30.0	33	38	10	22	30	52	63	70
D1	0.069	44.0	28.4	36	41	15	33	43	76	92	100
D1A	0.011	6.8	71.0	35	40	6	10	12	17	19	20
D1B	0.007	4.7	84.7	30	35	7	10	12	17	19	20
D2	0.030	19.2	37.3	33	38	10	21	27	44	53	57
D3	0.027	17.3	50.0	30	35	17	30	37	57	67	72
D4	0.009	5.6	2.0	36	41	1	3	4	8	10	11
D5	0.039	24.8	43.4	32	37	17	33	41	64	76	83
D6	0.071	45.2	51.5	35	40	31	54	66	104	122	132
D6a	0.013	8.3	65.0	29	33	11	17	21	31	36	38
D7	0.076	48.9	39.0	35	43	21	41	53	88	105	114
D8	0.075	47.9	48.3	35	40	32	57	71	112	132	143

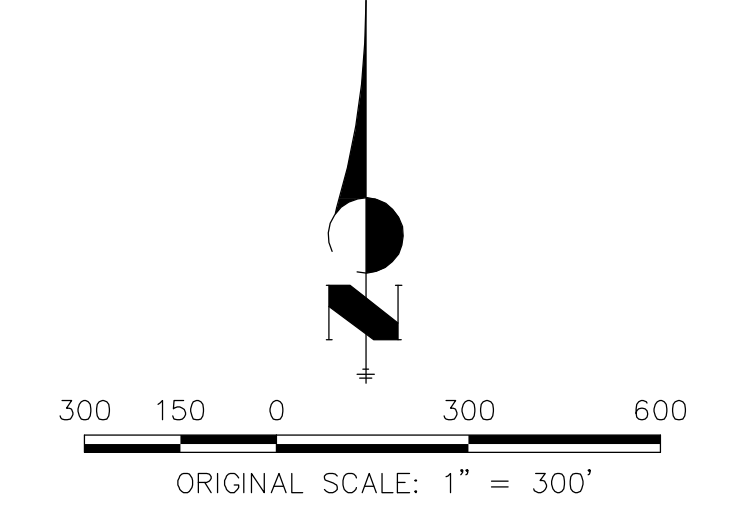
*SUBCATCHMENTS ANALYZED WITH THE "KETTLE CREEK DRAINAGE BASIN OLD RANCH ROAD MASTER DEVELOPMENT DRAINAGE PLAN", BY JR ENGINEERING, 2001.

DESIGN POINT DATA SUMMARY FUTURE CONDITION

DESIGN POINT	WATERSHED AREA (acres)	WATERSHED AREA (sq. miles)	Q2 (cfs)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q50 (cfs)	Q100 (cfs)	POINT DESCRIPTION
1	13.3	0.021	13	21	26	41	48	53	OS1 RUNOFF ACROSS HOWELLS
2	17.2	0.027	1	5	8	17	21	23	OS2 RUNOFF ACROSS HOWELLS
3	146.6	0.229	5	35	55	125	155	176	OS3 RUNOFF ACROSS HOWELLS & INTO HOWELLS POND
3a	146.6	0.229	5	9	10	12	12	13	HOWELLS POND DISCHARGE
4	231.6	0.362	16	38	50	92	111	122	SUMP INTO ORR POND
4a	231.6	0.362	20	34	42	88	103	112	EX. 48" CULVERT (MAX 100YR Qout = 133CFS)
5	12.5	0.020	1	4	6	14	17	19	OS4 RUNOFF ACROSS HOWELLS
6	31.7	0.050	11	23	30	54	65	72	D2 & OS4 RUNOFF CONVEY ONTO THUNDER MTN AVENUE
7	17.3	0.027	17	30	37	57	67	72	D3 RUNOFF TO CULVERT CROSSING UNDER THUNDER MTN AVENUE
7a	47.8	0.153	35	66	84	138	164	179	D7 AND D3 RUNOFF COMBINE AT CULVERT CROSSING, INTO POWERS POND
8	24.8	0.039	17	33	41	64	76	83	D5 RUNOFF ONTO THUNDER MTN AVENUE
9	53.1	0.082	57	100	124	193	227	246	D6a DISCHARGES ONTO THUNDER MTN ROAD, COMBINE WITH D5 RUNOFF
10	224.1	0.350	95	169	200	285	296	314	D8, D2, OS4, D5, D6, & D6a RUNOFF COMBINE AT SAG, DISCHARGE INTO POWERS POND
11	224.1	0.041	5	35	85	199	206	212	COMBINE ANALYSIS POINTS 7a & 10 WITH OS5 RUNOFF, POWERS POND DISCHARGE RATE
20	9.6	0.009	0	3	4	8	10	11	D4 RUNOFF - DISCHARGES OFF SITE
21	25.4	0.040	10	22	30	52	63	70	OS5 RUNOFF INTO POWERS POND

OFF SITE PROPERTY OWNER INFORMATION

PROPERTY POINT	OWNERS NAME	SCHEDULE NUMBER
1	OLD RANCH ROAD PROPERTIES LLC	6223000061
2	OLD RANCH ROAD PROPERTIES LLC	6223000059
3	MONICA PHELAN	6223000058
4	CARALYN AND DORIS BARLOW	6223000101
5	LARRY AND MELISSA PAINTER	6223000029
6	ROCKFORD & MARGO MANNING	6223000080
7	10975 HOWELLS RD LLC	6223000116
8	STEVEN AND THERESA MARKEL	6223000026
9	PETER AND ULLA BERGH	6223000063
10	CONLETH AND HELEN KENNEDY	6223000095



- LEGEND**
- 5780— EXISTING MAJOR CONTOUR
 - - -5780- - - EXISTING INTERMEDIATE CONTOUR
 - 5780— PROPOSED MAJOR CONTOUR
 - - -5780- - - PROPOSED INTERMEDIATE CONTOUR
 - >— PROPOSED STORM SEWER/RCP CULVERT W/ STORM WATER INLET AND/OR MH AND/OR FES
 - >— EXISTING STORM SEWER/RCP CULVERT W/ STORM WATER INLET AND/OR MH AND/OR FES
 - ⬆️ BASIN ID
A: SUB-BASIN DESIGNATION
B: AREA (AC)
 - ⚠️ ANALYSIS POINT
 - ➔ PROPOSED FLOW DIRECTION
 - — — SUB-BASIN DRAINAGE AREA
 - ① OFF SITE PROPERTY OWNER MARKER

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED ON THESE DRAWINGS. CONTACT: ANGELA ESSING ALESSING@LAPLATACOMMUNITIES.COM

J-R ENGINEERING
A Western Company
Central 303-440-8888 • Colorado Springs 719-595-2888
Fort Collins 970-491-8888 • www.jrengineering.com

No.	REVISION	BY	DATE

MASTER DRAINAGE DEVELOPMENT PLAN
NORTH FORK AT BRIARGATE
HYDROLOGY EXHIBIT
FUTURE CONDITION

SHEET 2 OF 2
JOB NO. 25100.00

