

# MASTER DEVELOPMENT DRAINAGE PLAN MARKETPLACE AT INTERQUEST EXISTING CONDITIONS DRAINAGE MAP

DRAINAGE BASIN SUMMARY

BASIN (label)	TOTAL BASIN AREA (acres)	TOTAL BASIN AREA (sq. mi)	WEIGHTED CN	TOTAL LAG TIME (hours)	TOTAL Tc (hours)	Q 2 Yr. (cfs)	Q 5 Yr. (cfs)	Q 10 Yr. (cfs)	Q 25 Yr. (cfs)	Q 50 Yr. (cfs)	Q 100 Yr. (cfs)
O2B	12.4	0.0194	61.0	0.2385	0.3774	0.14	1.71	3.56	7.19	10.05	13.24
EKA	10.5	0.0164	61.0	0.1774	0.2666	0.13	1.74	3.57	7.09	9.94	12.83
EXB	7.1	0.0111	79.9	0.2654	0.1591	0.83	11.21	14.48	19.57	25.59	28.58
EXC1	0.3	0.0004	98.0	0.0487	0.0812	0.64	0.84	0.97	1.17	1.30	1.43
EXC2	0.4	0.0007	93.0	0.0487	0.0812	0.88	1.22	1.44	1.78	2.00	2.22
PRD	11.4	0.0174	61.0	0.1976	0.2517	0.12	1.21	2.53	5.17	7.31	9.89
EXH	1.2	0.0019	98.0	0.0487	0.0833	1.70	2.23	2.58	3.11	3.48	3.81
EXG	1.0	0.0016	98.0	0.0487	0.0833	0.71	0.93	1.08	1.30	1.44	1.59
VP-1	1.2	0.0019	85.7	0.0960	0.1599	1.57	2.43	3.01	3.91	4.51	5.12
IP-1	1.3	0.0020	85.7	0.1015	0.1692	1.69	2.61	3.24	4.21	4.86	5.52
IP-2	2.0	0.0031	85.7	0.1348	0.2247	2.43	3.80	4.75	6.20	7.16	8.18
O-3B	70.5	0.1102	61.0	0.2350	0.3533	0.14	1.77	15.15	31.04	43.91	58.28
O-3C1	16.4	0.0256	61.0	0.2898	0.4330	0.18	2.04	4.25	8.85	12.15	16.08
SE-1	5.0	0.0075	61.0	0.1487	0.2478	0.07	0.94	1.90	3.71	5.12	6.86
AF-1	11.8	0.0181	61.0	0.1765	0.2841	0.14	1.96	4.03	7.99	11.08	14.48
O-3C2	33.0	0.0516	61.0	0.2898	0.4330	0.36	4.11	8.56	17.41	24.46	32.32
AF-2	20.5	0.0320	61.0	0.1820	0.3033	0.25	3.33	6.85	13.61	18.94	24.76
AF-1	11.8	0.0181	61.0	0.1765	0.2841	0.14	1.96	4.03	7.99	11.08	14.48
AF-3	16.4	0.0256	61.0	0.1931	0.3219	0.19	2.56	5.27	10.52	14.64	19.17
BS-1	21.6	0.0336	61.0	0.2376	0.3569	0.24	2.85	5.95	12.05	16.92	22.28
BS-2	48.7	0.0750	61.0	0.2309	0.3548	0.49	4.94	10.31	21.11	29.84	39.57
BS-3	58.8	0.0919	61.0	0.2309	0.3548	0.82	6.22	12.98	26.58	37.58	49.82

DRAINAGE DESIGN POINTS SUMMARY

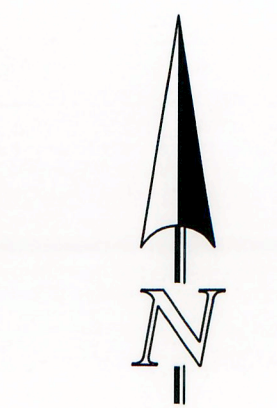
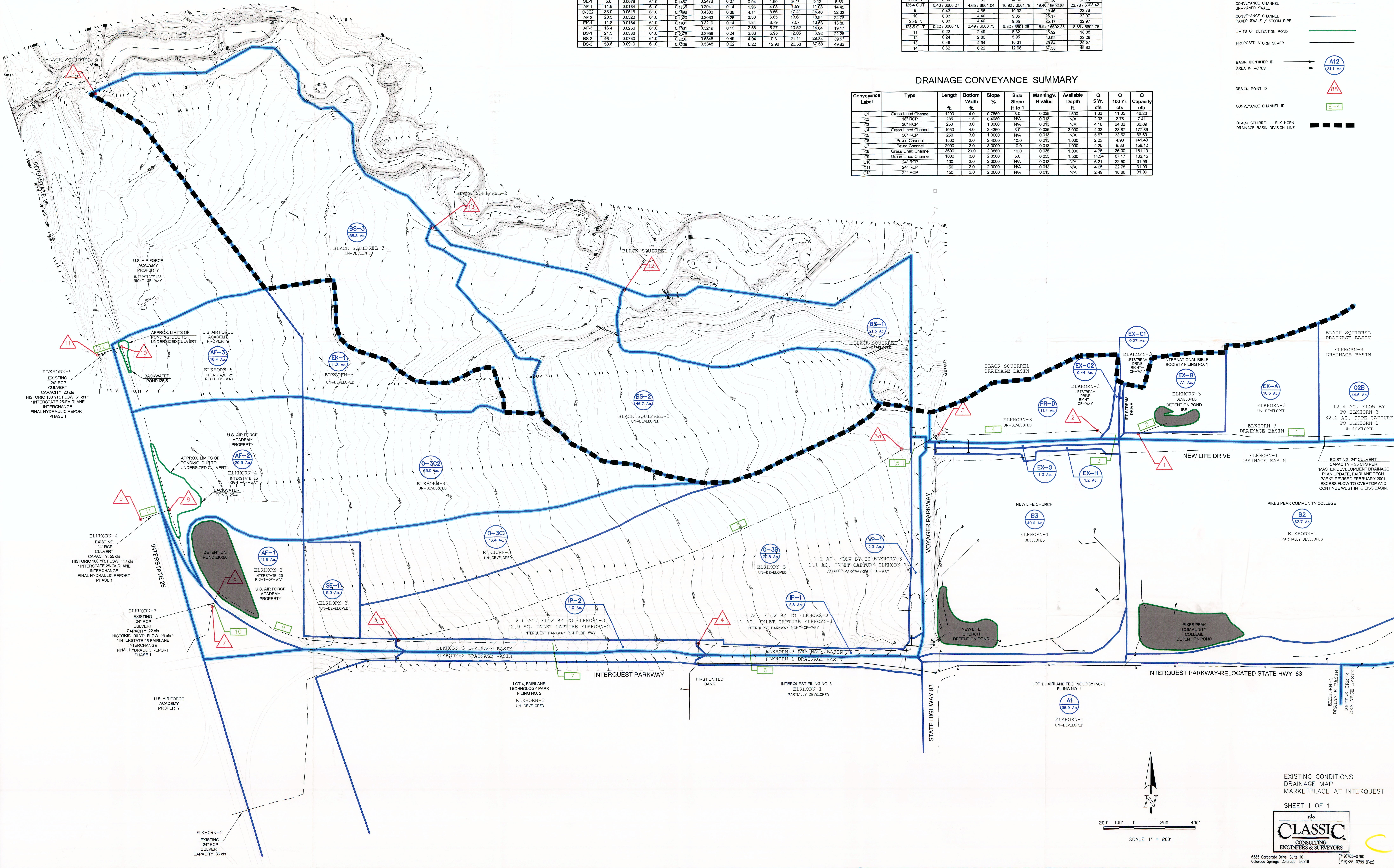
Design Point (label)	Q 2 Yr. (cfs)	Q 5 Yr. (cfs)	Q 10 Yr. (cfs)	Q 25 Yr. (cfs)	Q 50 Yr. (cfs)	Q 100 Yr. (cfs)
BS IN	1.94	4.18	7.07	14.48	18.32	24.02
BS OUT	1.82 / 6788.08	2.03 / 6788.46	2.20 / 6788.77	2.63 / 6788.88	2.78 / 6788.93	2.84 / 6788.96
1	3.30	5.58	9.89	20.52	33.87	44.44
2	4.81	7.10	9.91	20.52	33.87	44.44
3	3.01	4.77	5.97	9.12	10.40	11.68
4	6.86	14.52	25.80	58.27	87.69	112.59
5	6.71	18.37	32.58	84.48	112.59	144.82
EKSA IN	6.71	18.37	32.58	84.48	112.59	144.82
EKSA OUT	3.02 / 6608.34	8.52 / 6609.04	12.85 / 6609.48	22.69 / 6610.75	24.34 / 6611.29	25.00 / 6611.84
7	6.59	7.05	14.69	41.90	55.25	72.00
8	6.59	7.05	14.69	41.90	55.25	72.00
O-3 IN	0.59	1.05	1.89	4.03	5.52	7.20
O-3 OUT	0.43 / 6600.27	4.65 / 6601.04	10.92 / 6601.78	19.46 / 6602.85	22.78 / 6603.42	24.46 / 6604.00
9	0.43	4.65	10.92	19.46	22.78	24.46
10	0.33	4.40	9.06	25.17	32.87	39.57
O-3 IN	0.33	4.40	9.06	25.17	32.87	39.57
O-3 OUT	0.22 / 6600.16	2.49 / 6600.73	6.32 / 6601.25	15.92 / 6602.35	18.88 / 6602.76	21.84 / 6603.17
11	0.24	2.96	5.95	15.92	18.88	21.84
12	0.24	2.96	5.95	15.92	18.88	21.84
13	0.49	4.94	10.31	26.58	37.58	49.82
14	0.82	6.22	12.98	26.58	37.58	49.82

DRAINAGE CONVEYANCE SUMMARY

Conveyance Label	Type	Length ft.	Bottom Width ft.	Slope %	Side Slope H to 1	Manning's N value	Available Depth ft.	Q 5 Yr. cfs	Q 100 Yr. cfs	Q Capacity cfs
C1	Grass Lined Channel	1200	4.0	0.7850	3.0	0.038	1.500	1.02	11.05	46.20
C2	18" RCP	285	1.5	0.4660	N/A	0.013	N/A	2.03	2.78	7.41
C3	36" RCP	280	3.0	1.0000	3.0	0.013	N/A	4.18	24.02	66.69
C4	Grass Lined Channel	1050	4.0	3.4360	3.0	0.038	2.000	4.33	23.87	177.86
C5	36" RCP	250	3.0	1.0000	N/A	0.013	N/A	1.57	33.52	66.69
C6	Paved Channel	1500	2.0	2.4000	10.0	0.013	1.000	2.22	4.93	141.43
C7	Paved Channel	2000	2.0	3.0000	10.0	0.013	1.000	4.25	9.83	188.12
C8	Grass Lined Channel	3600	20.0	2.8950	10.0	0.038	1.000	4.98	28.00	181.19
C9	Grass Lined Channel	1000	3.0	2.8500	5.0	0.038	1.500	14.34	87.17	102.15
C10	24" RCP	100	2.0	2.0000	N/A	0.013	N/A	6.21	22.50	31.99
C11	24" RCP	150	2.0	2.0000	N/A	0.013	N/A	4.68	22.78	31.99
C12	24" RCP	150	2.0	2.0000	N/A	0.013	N/A	2.49	18.88	31.99

LEGEND

- EXISTING 10' INDEX CONTOUR
- EXISTING 2' INTERMEDIATE CONTOUR
- LIMITS OF DEVELOPMENT
- DRAINAGE BASIN BOUNDARY
- DRAINAGE SUB-BASIN BOUNDARY
- CONVEYANCE CHANNEL UN-PAVED SWALE
- CONVEYANCE CHANNEL PAVED SWALE / STORM PIPE
- LIMITS OF DETENTION POND
- PROPOSED STATION SEWER
- BASIN IDENTIFIER ID
- AREA IN ACRES
- DESIGN POINT ID
- CONVEYANCE CHANNEL ID
- BLACK SQUIRREL - ELK HORN DRAINAGE BASIN DIVISION LINE



SCALE: 1" = 200'

EXISTING CONDITIONS DRAINAGE MAP MARKETPLACE AT INTERQUEST SHEET 1 OF 1

**CLASSIC**  
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