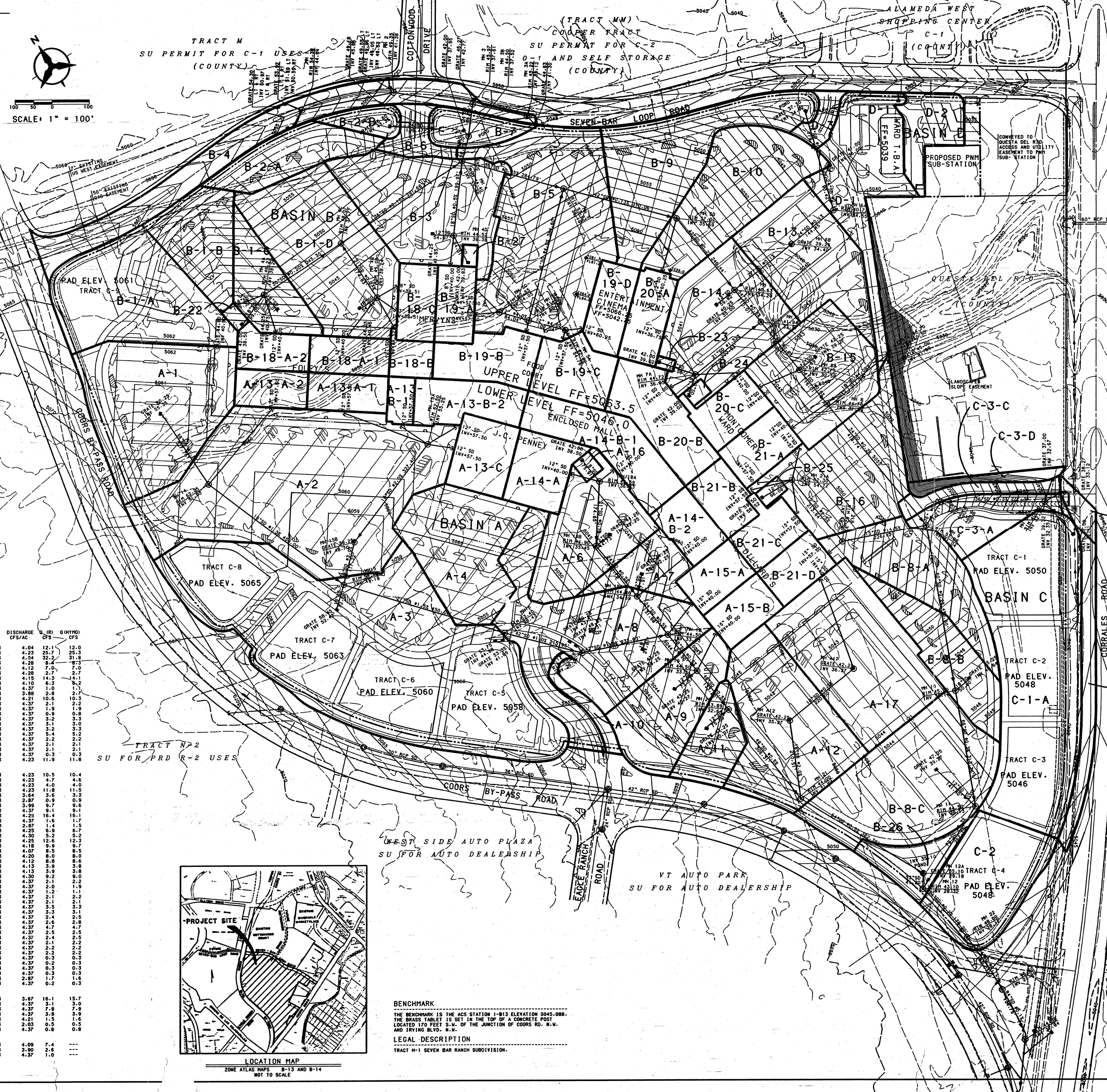
LEGEND

- PROJECT BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR (5050)
- PROPOSED RETAINING WALL
- EXISTING STORM DRAIN LINE (SD)
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- PROPOSED STORM DRAIN LINE (SD)
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED BASIN BOUNDARY
- PROPOSED SUB-BASIN BOUNDARY
- PROPOSED POND
- DIRECTION OF FLOW
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- Q = 15cfs SUB-BASIN DISCHARGE
- Q_T = 30cfs TOTAL DISCHARGE

SCALE: 1" = 100'



SUMMARY OF HYDROLOGIC DATA

BASIN ID	AREA AC	AREA SQ.MI.	% LAND TREATMENT A	B	C	D	TIME TO PEAK	DISCHARGE CFS/AC	Q (R) CFS	Q (HYMO) CFS
A-1	2.990	0.0047	0.0	14.0	0.0	86.0	0.1333	4.04	12.1	12.0
A-2	6.070	0.0095	0.0	6.0	0.0	94.0	0.1333	4.23	25.7	25.3
A-3	7.970	0.0125	0.0	14.0	0.0	86.0	0.1333	4.04	32.2	31.8
A-4	1.970	0.0031	0.0	4.0	0.0	96.0	0.1333	4.28	8.4	8.3
A-6	1.710	0.0027	0.0	3.0	12.0	85.0	0.1333	4.12	7.0	7.0
A-7	0.640	0.0010	0.0	4.0	0.0	96.0	0.1333	4.28	2.7	2.7
A-8	3.430	0.0054	0.0	6.0	5.0	89.0	0.1333	4.15	14.3	14.1
A-9	1.530	0.0024	0.0	3.0	13.0	84.0	0.1333	4.10	6.3	6.2
A-10	0.230	0.0004	0.0	0.0	0.0	100.0	0.1333	4.37	1.0	1.1
A-11	0.730	0.0011	0.0	7.0	22.0	71.0	0.1333	3.88	2.8	2.7
A-12	2.520	0.0039	0.0	3.0	6.0	91.0	0.1333	4.21	10.6	10.3
A-13-A-1	0.490	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.2
A-13-A-2	0.440	0.0007	0.0	0.0	0.0	100.0	0.1333	4.37	1.9	1.9
A-13-B-1	0.200	0.0003	0.0	0.0	0.0	100.0	0.1333	4.37	0.9	0.8
A-13-B-2	0.740	0.0012	0.0	0.0	0.0	100.0	0.1333	4.37	3.2	3.3
A-13-C	0.720	0.0011	0.0	0.0	0.0	100.0	0.1333	4.37	3.1	3.0
A-14-A	0.740	0.0012	0.0	0.0	0.0	100.0	0.1333	4.37	3.2	3.3
A-14-B-1	1.230	0.0019	0.0	0.0	0.0	100.0	0.1333	4.37	5.4	5.2
A-14-B-2	0.510	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.2	2.2
A-15-A	0.490	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.1
A-15-B	0.490	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.1
A-16	0.080	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.3	0.3
A-17	2.820	0.0044	0.0	4.0	3.0	93.0	0.1333	4.23	11.9	11.8
	38.740	0.061								
B-1-A	2.470	0.0039	0.0	4.0	3.0	93.0	0.1333	4.23	10.5	10.4
B-1-B	1.100	0.0017	0.0	4.0	3.0	93.0	0.1333	4.23	4.7	4.6
B-1-C	0.950	0.0015	0.0	4.0	3.0	93.0	0.1333	4.23	4.0	4.0
B-1-D	2.780	0.0043	0.0	4.0	3.0	93.0	0.1333	4.23	11.8	11.5
B-2-A	0.990	0.0015	0.0	31.0	0.0	69.0	0.1333	3.64	3.6	3.3
B-2-B	0.310	0.0005	0.0	0.0	100.0	0.0	0.1333	2.87	0.9	0.9
B-3	2.430	0.0038	0.0	9.0	11.0	80.0	0.1333	3.99	9.7	9.6
B-4	2.080	0.0033	0.0	0.0	0.0	100.0	0.1333	4.37	9.1	9.1
B-5	3.860	0.0060	0.0	5.0	0.0	95.0	0.1333	4.25	16.4	16.1
B-6	0.370	0.0006	0.0	0.0	0.0	100.0	0.1333	4.37	1.6	1.7
B-7	0.500	0.0008	0.0	0.0	100.0	0.0	0.1333	2.87	1.4	1.5
B-8-A	1.620	0.0025	0.0	5.0	0.0	95.0	0.1333	4.25	6.9	6.7
B-8-B	1.200	0.0019	0.0	3.0	0.0	97.0	0.1333	4.30	5.2	5.2
B-8-C	2.970	0.0046	0.0	5.0	0.0	95.0	0.1333	4.25	12.6	12.3
B-9	2.370	0.0037	0.0	1.0	11.0	88.0	0.1333	4.18	9.9	9.7
B-10	2.100	0.0033	0.0	13.0	0.0	87.0	0.1333	4.07	8.5	8.5
B-13	1.900	0.0030	0.0	4.0	5.0	91.0	0.1333	4.20	8.0	8.0
B-14	2.130	0.0033	0.0	3.0	12.0	85.0	0.1333	4.12	8.8	8.6
B-15-A	0.935	0.0015	0.0	4.0	10.0	86.0	0.1333	4.13	3.9	3.8
B-15-B	0.935	0.0015	0.0	4.0	10.0	86.0	0.1333	4.13	3.9	3.8
B-16	2.140	0.0033	0.0	3.0	0.0	97.0	0.1333	4.30	9.2	9.0
B-18-A-1	0.490	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.2
B-18-A-2	0.460	0.0007	0.0	0.0	0.0	100.0	0.1333	4.37	2.0	1.9
B-18-B	0.270	0.0004	0.0	0.0	0.0	100.0	0.1333	4.37	1.2	1.1
B-18-C	0.480	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.2
B-19-A	0.480	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.1
B-19-B	0.790	0.0012	0.0	0.0	0.0	100.0	0.1333	4.37	3.5	3.3
B-19-C	0.760	0.0012	0.0	0.0	0.0	100.0	0.1333	4.37	3.3	3.1
B-19-D	0.560	0.0009	0.0	0.0	0.0	100.0	0.1333	4.37	2.4	2.5
B-20-A	0.590	0.0009	0.0	0.0	0.0	100.0	0.1333	4.37	2.6	2.8
B-20-B	1.080	0.0017	0.0	0.0	0.0	100.0	0.1333	4.37	4.7	4.7
B-20-C	0.580	0.0009	0.0	0.0	0.0	100.0	0.1333	4.37	2.5	2.5
B-21-A	0.560	0.0009	0.0	0.0	0.0	100.0	0.1333	4.37	2.4	2.5
B-21-B	0.490	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.1	2.2
B-21-C	0.505	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.2	2.2
B-21-D	0.505	0.0008	0.0	0.0	0.0	100.0	0.1333	4.37	2.2	2.2
B-22	0.060	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.3	0.3
B-23	0.040	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.2	0.3
B-24	0.060	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.3	0.3
B-25	0.080	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.3	0.3
B-26	0.600	0.0009	0.0	0.0	100.0	0.0	0.1333	2.87	1.7	1.6
B-27	0.050	0.0001	0.0	0.0	0.0	100.0	0.1333	4.37	0.2	0.3
	45.630	0.0713								
C-1-A	4.380	0.0068	0.0	30.0	0.0	70.0	0.1333	3.67	16.1	15.7
C-1-B	0.710	0.0011	0.0	0.0	0.0	100.0	0.1333	4.37	3.1	3.0
C-2	1.780	0.0028	0.0	0.0	0.0	100.0	0.1333	4.37	7.8	7.9
C-3-A	0.880	0.0014	0.0	0.0	0.0	100.0	0.1333	4.37	3.8	3.9
C-3-C	0.360	0.0006	0.0	7.0	0.0	93.0	0.1333	4.21	1.5	1.6
C-3-D	0.250	0.0004	0.0	100.0	0.0	0.0	0.1333	2.03	0.5	0.5
C-3-E	0.180	0.0003	0.0	0.0	0.0	100.0	0.1333	4.37	0.8	0.8
	8.540	0.0133								
D-1	1.820	0.0028	0.0	12.0	0.0	88.0	0.1333	4.09	7.4	---
D-2	0.670	0.0010	0.0	20.0	0.0	80.0	0.1333	3.90	2.6	---
D-3	0.240	0.0004	0.0	0.0	0.0	100.0	0.1333	4.37	1.0	---
	2.730	0.0043								
TOTAL	95.64									

BENCHMARK

THE BENCHMARK IS THE ACS STATION 1-B13 ELEVATION 5045.088. THE BRASS TABLET IS SET IN THE TOP OF A CONCRETE POST LOCATED 170 FEET S.W. OF THE JUNCTION OF COORS RD. N.W. AND IRVING BLVD. N.W.

LEGAL DESCRIPTION

TRACT H-1 SEVEN BAR RANCH SUBDIVISION.

REV.	DATE	DESCRIPTION

KERRY L. DAVIS 9984 REGISTERED PROFESSIONAL ENGINEER

7500 JEFFERSON NE. COURTYARD I
ALBUQUERQUE, NM 87109
(505) 823-1000
BOHANNAN HUSTON INC.

SIMON

SIMON PROPERTY GROUP, L.P.

MERCHANTS PLAZA P.O. BOX 7033
INDIANAPOLIS, IN 46207
(317) 636-1600

COTTONWOOD MALL

ALBUQUERQUE NEW MEXICO

DESCRIPTION

CONCEPTUAL GRADING AND DRAINAGE PLAN

DRAWN	PART NAME	SCALE
SAR		1"=100'
CHECKED	PLAN NAME	DATE
KLD		8/01/94
REV.	SHEET	OF
CHECKED	9	9

PLATE 1

USERNAME: C9413301.PAD
FILENAME: COTTONWOOD.GRF