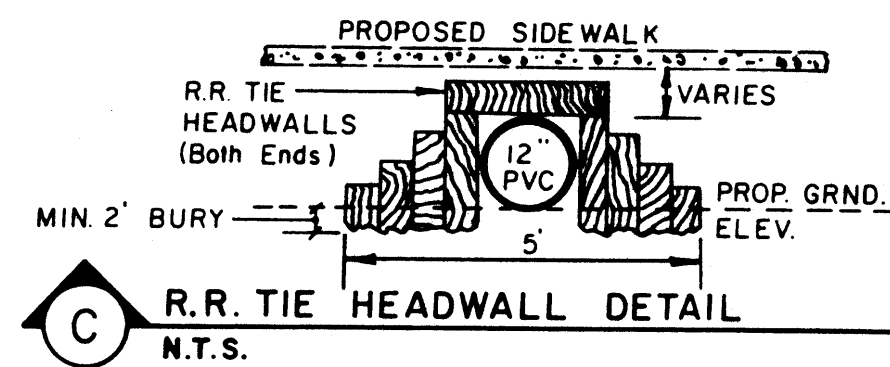


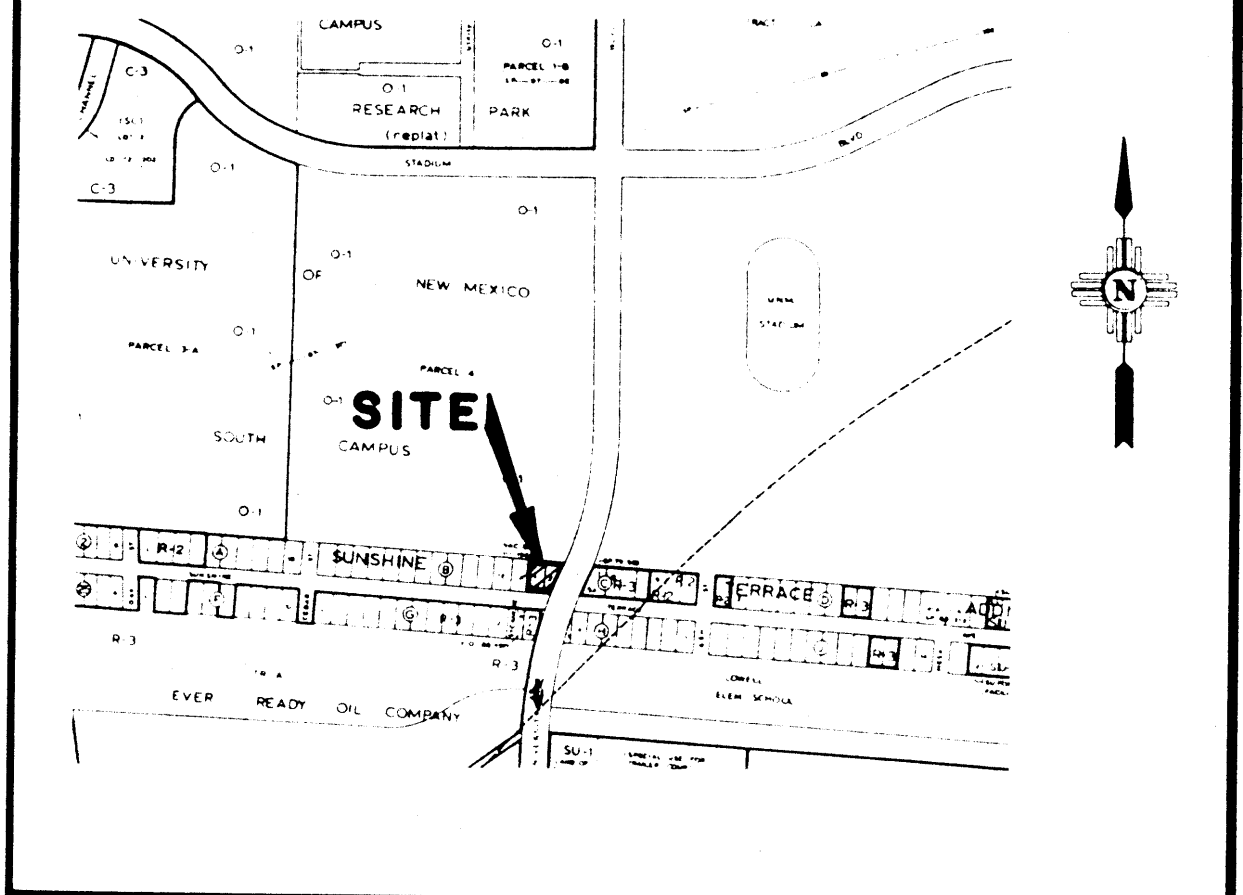


- GENERAL NOTES FOR GRADING AND DRAINAGE**
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
 - ALL WORK DETAIL ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1996 EDITION, EXCEPT FOR GENERAL CONDITIONS.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 269-1990, FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 - BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
 - MAINTENANCE OF THE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
 - ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1996 EDITION.
 - ALL CONCRETE DUMPSTER PADS SHALL BE SIX-INCH REINFORCED CONCRETE (6"x6", 10 GA. W.W.M.).
 - OWNERSHIP OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF EASTERLING & ASSOCIATES, INC. AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC.
 - CONSTRUCTION SAFETY: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
 - EROSION CONTROL: THE SITE WILL BE FULLY DEVELOPED IMMEDIATELY. EROSION PROBLEMS GENERATED BY PHASED DEVELOPMENT WILL NOT, THEREFORE, BE A PROBLEM.
 - CONSTRUCTION PHASE: THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE. CONNECTION ACTIVITIES SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.

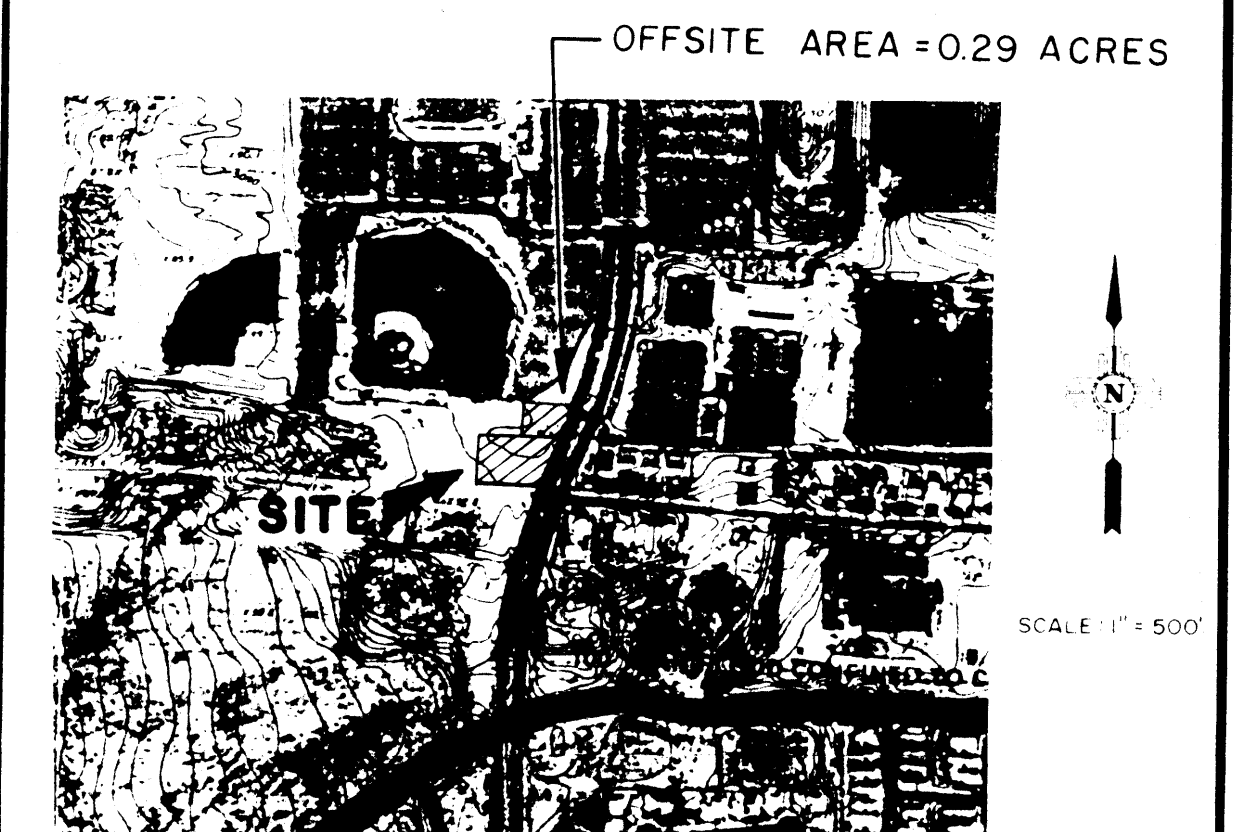
LEGEND

DESCRIPTION	NEW	EXISTING
CONTOURS	5094	5088
SPOT ELEVATIONS	5094	5088
DRAINAGE AREA BOUNDARY		
DRAINAGE DIVIDE		
WATER BLOCK		
DIRECTION OF FLOW		
ASPHALT PAVING		
LANDSCAPING		
RETAINING WALL		
GARDEN WALL		
SWALE		
PROPERTY LINE		
CATCH BASIN		
STORM DRAIN M.H. & LINE		
SANITARY SEWER M.H. & LINE		
FIRE HYDRANT & WATER LINE		
REDUCERS		
WATER VALVES		
WATER CONNECTIONS		
WATER JOINTS		
CONCRETE		
GAS LINE		
UNDERGROUND TELEPHONE		
CABLE TELEVISION		
POWER/TELEPHONE POLE		
UNDERGROUND ELECTRICAL		
CURB ELEVATION		
HYDROLOGICAL ANALYSIS PT.		
DETAIL REFERENCE		
C.O.A. DETAIL REFERENCE		
CURVE OR COORDINATE REFERENCE INFO.		
PHASE BOUNDARY		

VICINITY MAP ZONE ATLAS MAP NO. L-15



FLOOD HAZARD MAP & OFF-SITE FLOWS FROM F.E.M.A. MAP NO. 35



SOILS MAP SOIL SURVEY U.S.D.A., S.C.S. MAP NO. 31

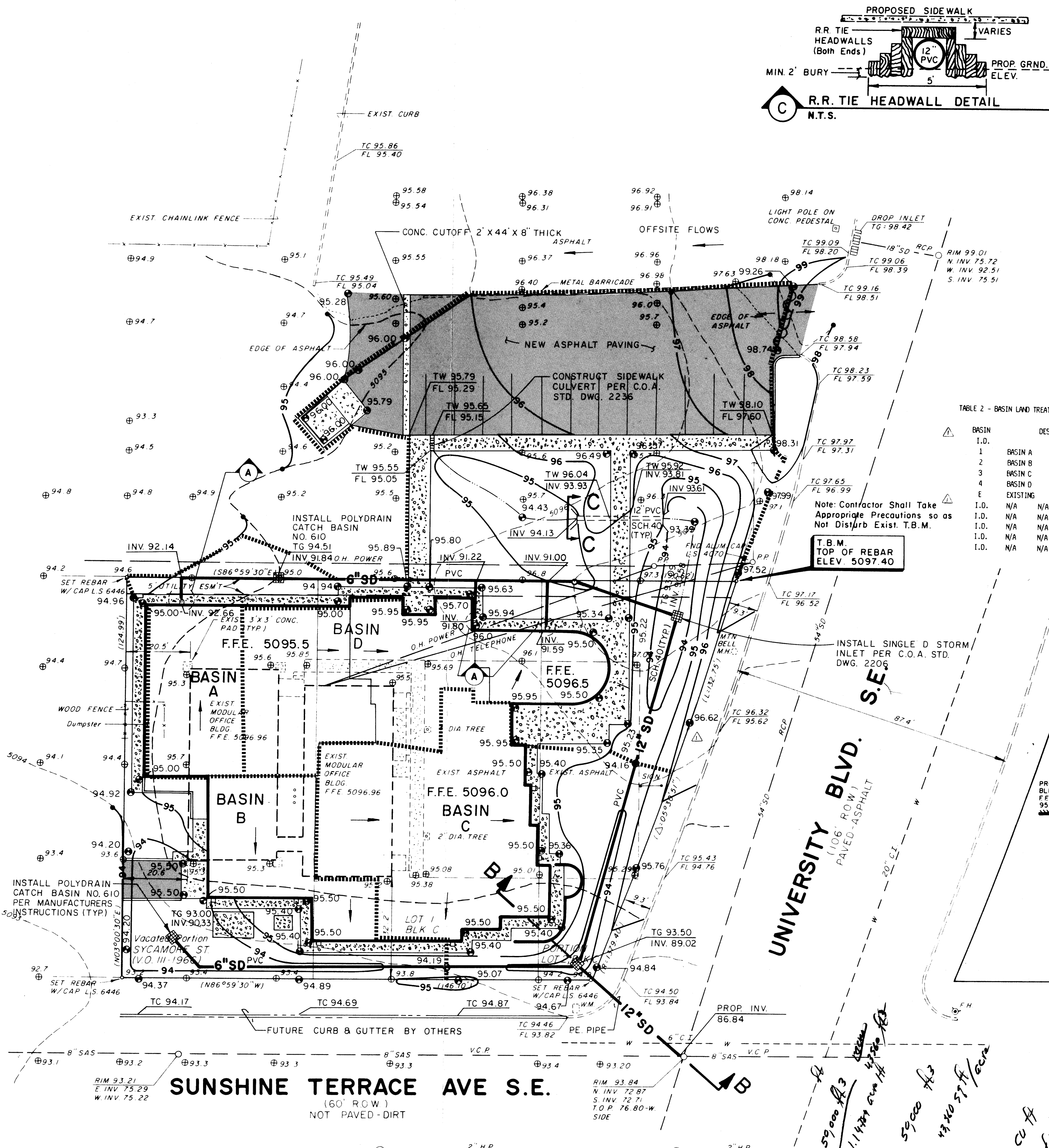


TABLE 2 - BASIN LAND TREATMENT SUMMARY

BASIN	DESCRIPTION
1	BASIN A
2	BASIN B
3	BASIN C
4	BASIN D
5	EXISTING
6	N/A
7	N/A
8	N/A
9	N/A
10	N/A
11	N/A
12	N/A
13	N/A
14	N/A
15	N/A
16	N/A
17	N/A
18	N/A
19	N/A
20	N/A
21	N/A
22	N/A
23	N/A
24	N/A
25	N/A
26	N/A
27	N/A
28	N/A
29	N/A
30	N/A
31	N/A
32	N/A
33	N/A
34	N/A
35	N/A
36	N/A
37	N/A
38	N/A
39	N/A
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41	N/A
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43	N/A
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45	N/A
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47	N/A
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49	N/A
50	N/A
51	N/A
52	N/A
53	N/A
54	N/A
55	N/A
56	N/A
57	N/A
58	N/A
59	N/A
60	N/A
61	N/A
62	N/A
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64	N/A
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67	N/A
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70	N/A
71	N/A
72	N/A
73	N/A
74	N/A
75	N/A
76	N/A
77	N/A
78	N/A
79	N/A
80	N/A
81	N/A
82	N/A
83	N/A
84	N/A
85	N/A
86	N/A
87	N/A
88	N/A
89	N/A
90	N/A
91	N/A
92	N/A
93	N/A
94	N/A
95	N/A
96	N/A
97	N/A
98	N/A
99	N/A
100	N/A

2 YEAR EVENT SUMMARY FOR ALL BASINS

BASIN	DESCRIPTION	AREA (ACRES)	PEAK DISCHARGE (CFS)	6 HOUR VOLUME (AC-FT)	24 HOUR VOLUME (AC-FT)	4 DAY VOLUME (AC-FT)	10 DAY VOLUME (AC-FT)
1	BASIN A	0.06	0.17	0.0061	0.0074	0.0090	0.0090
2	BASIN B	0.1175	0.29	0.0093	0.0118	0.0143	0.0143
3	BASIN C	0.1542	0.42	0.0122	0.0145	0.0176	0.0176
4	BASIN D	0.4168	1.14	0.0328	0.0398	0.0475	0.0576
5	EXISTING	0.7594	1.78	0.0416	0.0461	0.0524	0.0598

10 YEAR EVENT SUMMARY FOR ALL BASINS

BASIN	DESCRIPTION	AREA (ACRES)	PEAK DISCHARGE (CFS)	6 HOUR VOLUME (AC-FT)	24 HOUR VOLUME (AC-FT)	4 DAY VOLUME (AC-FT)	10 DAY VOLUME (AC-FT)
1	BASIN A	0.06	0.17	0.0061	0.0074	0.0090	0.0090
2	BASIN B	0.1175	0.29	0.0093	0.0118	0.0143	0.0143
3	BASIN C	0.1542	0.42	0.0122	0.0145	0.0176	0.0176
4	BASIN D	0.4168	1.14	0.0328	0.0398	0.0475	0.0576
5	EXISTING	0.7594	1.78	0.0416	0.0461	0.0524	0.0598

100 YEAR EVENT SUMMARY FOR ALL BASINS

BASIN	DESCRIPTION	AREA (ACRES)	PEAK DISCHARGE (CFS)	6 HOUR VOLUME (AC-FT)	24 HOUR VOLUME (AC-FT)	4 DAY VOLUME (AC-FT)	10 DAY VOLUME (AC-FT)
1	BASIN A	0.06	0.17	0.0061	0.0074	0.0090	0.0090
2	BASIN B	0.1175	0.29	0.0093	0.0118	0.0143	0.0143
3	BASIN C	0.1542	0.42	0.0122	0.0145	0.0176	0.0176
4	BASIN D	0.4168	1.14	0.0328	0.0398	0.0475	0.0576
5	EXISTING	0.7594	1.78	0.0416	0.0461	0.0524	0.0598

Storm Drain Connection Detail

NOTE: HYDROLOGY WAS PREPARED FROM THE NEW DRAINAGE DESIGN CRITERIA FOR THE C.O.A. SEPT. 1990

LEGAL DESCRIPTION

LOT 1 & PORTION OF LOT 2, BLOCK 8 - (AMENDED) PLAT BLOCKS 3-24, SUNSHINE TERRACE ADDITION & VACATED PORTION OF SYCAMORE ST. SE - V.O. 111-1966.

BENCHMARK

USCGS BRASS TABLET STAMPED "STADIUM 1969" SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND, LOCATED ON THE WEST RIM OF EARTHEN EMBANKMENT WHICH SUPPORTS THE BLEACHERS OF U.N.M. FOOTBALL STADIUM. ELEV. = 5151.00

SOILS INFORMATION FROM SOIL SURVEY U.S.D.A., S.C.S.

SOIL SERIES AND MAP SYMBOLS	DEGREE AND KIND OF LIMITATIONS FOR						SUITABILITY AS SOURCE OF —				SOIL FEATURES AFFECTING —		HYDROLOGIC SOIL GROUP
	SEPTIC TANK ABSORPTION FIELDS	SEWAGE LAGOONS	SHALLOW EXCAVATIONS	DWELLINGS WITHOUT BASEMENTS	SANITARY LANDFILL (TRENCH TYPE)	LOCAL ROAD AND STREETS	ROAD FILL	SAND	GRAVEL	TOPSOIL	POND RESERVOIR AREAS	Dikes, LEVEES, AND OTHER EMBANKMENTS	
*Bluepoint: BR, BcA, BCC, BcE, BKD	Slight if slope is 1 to 8	Severe seepage.	Severe, except tanks, cays	Slight if slope is 1 to 8	Moderate to fine sandy.	Slight if slope is 1 to 8	Good.	Fair, excess fines.	Unsuitable.	Poor, too sandy.	Seepage.	Piping, seepage.	A
Cut and fill lands: Cu.	Slight if slope is 1 to 8 percent.	Severe seepage.	Moderate, except tanks, cays, slope.	Slight if slope is 1 to 8 percent.	Severe seepage.	Slight if slope is 1 to 8 percent.	Good if slope is less than 15.	Fair, excess fines.	Unsuitable.	Poor, small stones.	Seepage.	Hard to pack; seepage.	A

BkD - Bluepoint-Kokan association, hilly. This mapping unit is about 50 percent a Bluepoint loamy fine sand that has 5 to 15 percent slopes and 40 percent a Kokan gravelly sand that has 15 to 40 percent slopes. The gently rolling to rolling Bluepoint soil is on fans between gravelly ridges of the hilly to steep Kokan soil.

The Kokan soil has the profile described as representative of the Kokan series. On about 10 percent of the acreage, however, it has a high lime layer in the substratum.

On both soils, runoff is slow and the hazard of water erosion is moderate or severe. This mapping unit is used for range, watershed, wildlife habitat, recreation, and community development. In Bernalillo County it is also a major source of sand and gravel. Dryland capability subclass VIIe; native plant community 2 for Bluepoint soil and 3 for Kokan soil.

Cu - Cut and fill land consists of sandy loam and very gravelly sand that has been mixed by filling for residential, industrial, and business developments. It is on high terrace breaks of the Rio Grande Valley mainly in the city of Albuquerque. It is nearly level to moderately steep; slopes are 1 to 25 percent. Elevations range from 4,000 to 6,000 feet. The mean annual precipitation is 7 to 10 inches, the mean annual air temperature is 58° to 60° F.

TEXT

EXISTING

THERE ARE NO OFF-SITE FLOWS ENTERING THE SITE. THE SITE IS PARTIALLY DEVELOPED CONTAINING TWO BUILDINGS AND AN ASPHALT PARKING AREA.

DEVELOPED

THE DEVELOPED FLOWS WILL BE DIRECTED INTO FOUR PRIVATE CATCH BASINS ON-SITE. THE SITE IS DIVIDED INTO FOUR DIFFERENT DRAINAGE AREAS, EACH CONTAINING A SEPARATE CATCH BASIN. ALL DEVELOPED FLOWS ARE EVENTUALLY INTERCEPTED IN A CATCH BASIN IN BASIN C WHICH DRAINS INTO AN EXISTING M.H. IN UNIVERSITY BLVD., SE, USING A SECTION OF 12-INCH P.E. PIPE.

APPROVALS	NAME	DATE
A.C.E. / DESIGN		
INSPECTOR		
A.C.E. / FIELD		

