

LEGAL DESCRIPTION

LOT 18A, BLOCK 1, ZUNI ADDITION

PERMANENT BENCHMARK

ACS 3-H19 ELEVATION 5297.42

GRADING CERTIFICATION

I, Jean J. Bordenave, New Mexico Professional Engineer and Land Surveyor No. 5110, hereby certify that I have personally inspected the property shown hereon and that it appears that no grading, filling or excavation has occurred thereon since the contour map shown hereon was prepared.

J. Bordenave 10/22/97
Jean J. Bordenave, NM PE & PS No. 5110

GENERAL NOTES

- There is a flow increase of 0.36 and 0.40 cfs for the 10 year and 100 year storms respectively. The 6 hour runoff volumes for the two storms increase by 591 and 672 cubic feet.
- The proposed development is located on a small site in a drainage basin that is essentially completely developed. There are no offsite flows other than the one discussed in the following paragraph. All flows generated onsite are routed to Indian School Road via the drive pad.
- The site to the east of the proposed development is developed and all drainage, according to the approved drainage plan, is routed to Indian School Road. Actually the site is constructed to drain to the proposed site approximately 95 feet from the street. The entry is shown on this grading plan at the point designated 'curb cut'. This situation has not been accepted by the Owners of the proposed site and relief is requested.
- The site is not located in a designated flood hazard area per FEMA FIRM Panel No. 356, dated September 20, 1996.
- Topography shown on this sheet was obtained by Surv-Tek in January, 1997.
- Earth surfaces disturbed in the construction process will be treated with formal landscaping (lawn, flower beds, etc.) or impervious surfaces.
- Perimeter fencing (CMU wall) is to be installed on the site at this time.

VICINITY MAP NO. H-19



FEMA FIRM PANEL NO. 356



LEGEND

TBM	TEMPORARY BENCHMARK
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOWLINE
TA	TOP OF ASPHALT
TCP	TOP OF CONCRETE
TC	TOP OF CURB
TP	TOP OF EARTH PAD
TS	TOP OF SIDEWALK
TW	TOP OF WALL
FH	FIRE HYDRANT
WM	WATER METER
WV	WATER VALVE
MH	MANHOLE
CB	CATCH BASIN
GM	GAS METER
GV	GAS VALVE
LP	LIGHT POLE
PP	POWER POLE
GW	GUY WIRE
PED	ELEC. OR TEL. PEDESTAL
RD	ROOF DRAINAGE POINT

GRADING NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE NEW MEXICO ONE CALL SYSTEM AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION OF TEMPORARY SOIL BERM OR SILT FENCES, PROPERTY LINES AND BY SOIL TO PREVENT IT FROM BLOWING.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR SHALL SECURE A 'TOPSOIL DISTURBANCE PERMIT' PRIOR TO BEGINNING CONSTRUCTION.

OFFSITE DRAINAGE MAP

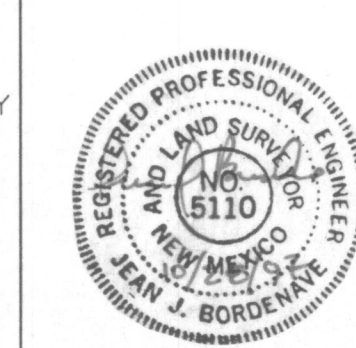
SCALE 1" = 200'



DRAINAGE DATA

CONDITION	STORM RETURN PERIOD	TREATMENT TYPE	TREATMENT AREA	EXCESS PRECIPITATION	PEAK RUNOFF	RUNOFF VOLUME	RUNOFF RATE
	year	(table 4)	sq. ft.	in.	(table 8)	(table 9)	cu. ft. cfs
EXISTING	10	A	6750	0.19	0.58	107	0.09
		B		0.36	1.19	0	0.00
		C		0.62	2	0	0.00
		D		1.5	3.39	0	0.00
		TOTAL	6750			107	0.09
	100	A	6750	0.66	1.87	371	0.29
		B		0.92	2.6	0	0.00
		C		1.29	3.45	0	0.00
		D		2.36	5.02	0	0.00
		TOTAL	6750			371	0.29
DEVELOPED	10	A	0	0.19	0.58	0	0.00
		B	1535	0.36	1.19	46	0.04
		C	0	0.62	2	0	0.00
		D	5215	1.5	3.39	652	0.41
		TOTAL	6750			698	0.45
	100	A	0	0.66	1.87	0	0.00
		B	1535	0.92	2.6	118	0.09
		C	0	1.29	3.45	0	0.00
		D	5215	2.36	5.02	1026	0.60
		TOTAL	6750			1143	0.69

- FEMA FLOODPLAIN BOUNDARY
- DRAINAGE BASIN BOUNDARY
- EROSION SETBACK LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- RECORD SPOT ELEVATION



project title
**OFFICES @ INDIAN SCHOOL
INDIAN SCHOOL ROAD NE
ALBUQUERQUE, NM**

sheet title
GRADING & DRAINAGE PLAN

sheet date
10/22/97

design by
JJB

project no.
9724



BORDENAVE DESIGNS
P.O. BOX 91194, ALBUQUERQUE, NM 87199
(505) 823-1344