

SCALE: 1"=20'

LEGEND

DESCRIPTION	NEW	EXISTING
CONTOURS	— 10' —	— 10' —
SPOT ELEVATION	• 88.2	• 88.2
DRAINAGE AREA BOUNDARY	=====	=====
DRAINAGE DIVIDE	=====	=====
WATER BLOCK	=====	=====
DIRECTION OF FLOW	→	→
ASPHALT PAVING	ASPHALT	ASPHALT
LANDSCAPING	L.S.	L.S.
RETAINING WALL	=====	=====
GARDEN WALL	=====	=====
SWALE	=====	=====
PROPERTY LINE	=====	=====
FENCE	=====	=====
CATCH BASIN	CB	CB
STORM DRAIN MANHOLE AND LINE	SD	SD
SANITARY SEWER MANHOLE AND LINE	SS	SS
FIRE HYDRANT AND WATER LINE	FW	FW
REDUCERS	RED	RED
WATER VALVES	WV	WV
WATER CONNECTIONS	WC	WC
WATER JOINTS	WJ	WJ
CONCRETE	CONC	CONC
GAS LINE	GL	GL
UNDERGROUND TELEPHONE	UT	UT
CABLE TELEVISION	CT	CT
POWER/TELEPHONE POLE	PP	PP
UNDERGROUND ELECTRICAL	UE	UE
CURB ELEVATION	TC 5088.28 FL 5087.78	TC 5088.28 FL 5087.78
HYDROLOGICAL ANALYSIS POINT	AP	AP
DETAIL REFERENCE	DR	DR
KEYED NOTES	KN	KN
CITY ADO. DETAIL REFERENCE	CD	CD
CURVE OR COORDINATE REFERENCE INFO	CI	CI
PHASE BOUNDARY	=====	=====

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 DETAILED 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 - 1986 EDITION, EXCEPT FOR GENERAL CONDITIONS.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, 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 THAT 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 - 1986 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 INTO THE STREET. LOOSE SOIL STOCKPILES IN THE STREET DURING UTILITY CONNECTION ACTIVITIES SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.

BENCHMARK

ACS BRASS CAP LABELED 2-J 14 R
LOCATED IN THE N.W. QUADRANT OF
LOMAS BLVD. & 4TH ST.
X=380395.95 Y=1488710.64
ELEV. 4954.36

LEGAL DESCRIPTION

LOTS 13-21 OF MANDELL BUSINESS
AND RESIDENCE ADDITION.
CITY OF ABQ., BERNALILLO COUNTY N.M.

NOTE

PROPOSED BUILDING FOOTPRINT
IS THE SAME AS PROPERTY
LOT LINE

SOILS INFORMATION FROM SOIL SURVEY, BERNALILLO CO. 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, LEVES, AND OTHER EMBANKMENTS	
Glendale: Gk, Gm.....	Severe: percolates slowly.	Slight.....	Moderate: too clayey.	Moderate: shrink swell.	Moderate: too clayey.	Moderate: shrink swell.	Fair: shrink swell.	Unsuited.....	Unsuited.....	Fair: too clayey.	Favorable.....	Low strength; piping.	B

Ok—Glendale loam. This level soil is in the irrigated Rio Grande Valley. It has a profile similar to that described as representative of the series, but the surface layer differs in texture and is about 10 inches thick. On about 1 percent of the acreage the soil is slightly saline, and on 7 percent it is moderately alkali affected. Slopes are 0 to 1 percent. Included in mapping are a few small areas of Gila and Anapra soils.

Runoff is very slow, and the hazard of water erosion is slight. This soil is used for irrigated alfalfa, row crops, and pasture. It is also used for wildlife habitat and community development. The failure of septic tank filter fields and the cracking of foundations can be problems where this soil is used for community development. Irrigated capability unit I.

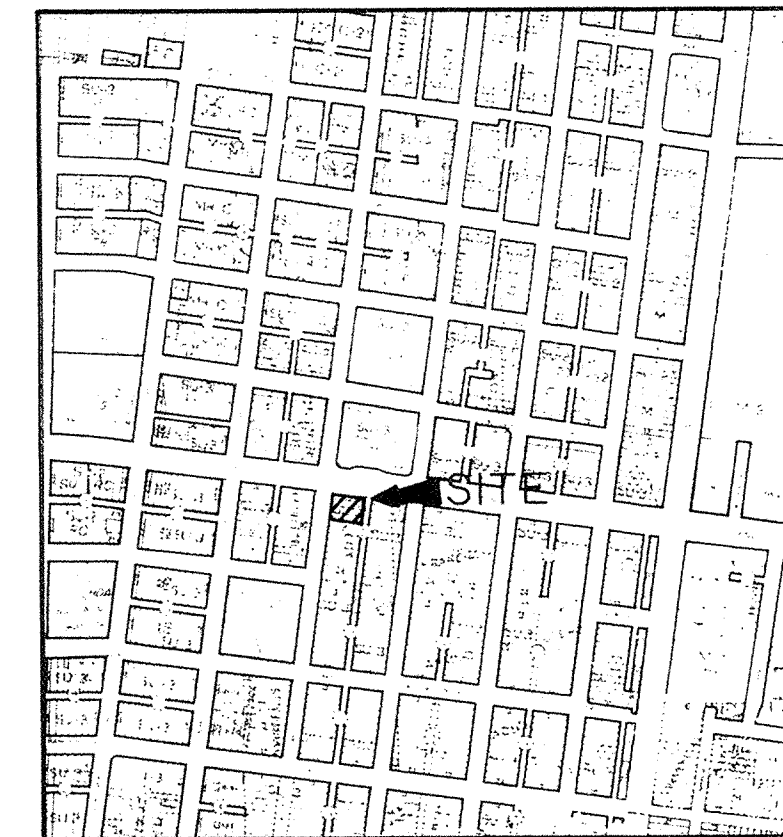
FOURTH ST.

LOMAS BLVD.

Ref Drains?
Parking Areas?

Are Drive Pads
Proposed or
existing?

VICINITY MAP ZONE ATLAS MAP NO. J-14-7



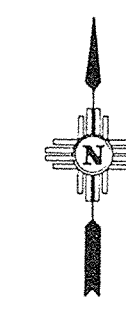
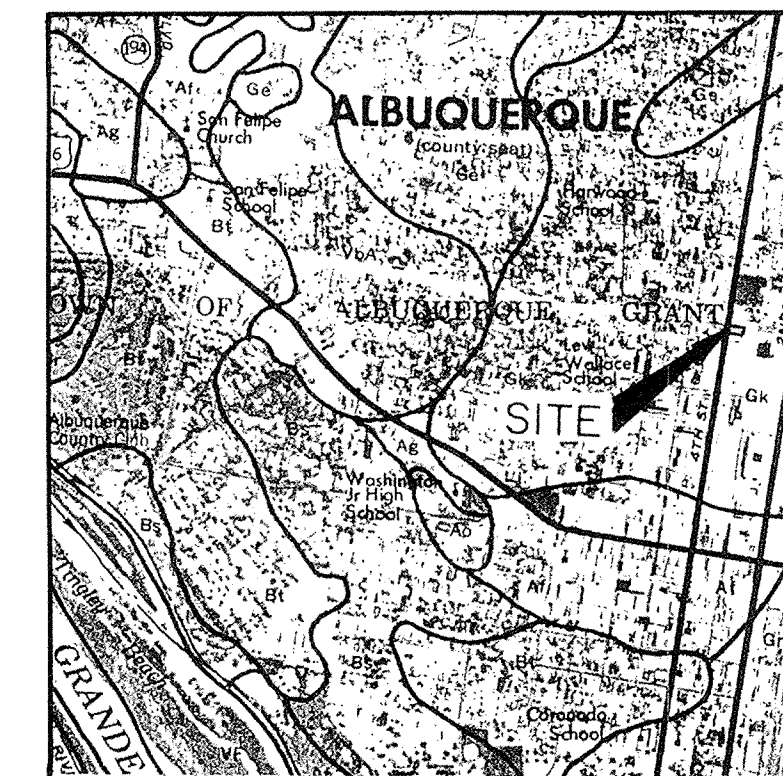
SCALE: 1" = 500'

FLOOD HAZARD MAP
& OFFSITE FLOWS FROM F.E.M.A. MAP NO. 28



SCALE: 1" = 2000'

NO. 30
SOILS MAP FROM SOIL SURVEY, BERN. CO. U.S.D.A., S.C.S.



SCALE: 1" = 2000'

HYDROLOGY

	A.P	D.A.	H.	S.	L.	T _c	SOIL TYPE	% IMP.	C.N.	C.	P ₂	P ₁₀	P ₁₀₀	i ₂	i ₁₀	i ₁₀₀	Vol-2	Vol-10	Vol-100	Q ₂	Q ₁₀	Q ₁₀₀
	#	AC.	FT.	FT/FT	FT.	MIN.					IN.	IN	IN	IN/HR.	IN/HR	IN/HR.	C.F.	C.F.	C.F.	C.F.S.	C.F.S.	C.F.S.
EXISTING		778	N.A.	N.A.	N.A.	<10	B	100	98	90	98	145	2.20	2.07	3.06	4.64	2,231	3,474	5,564	1.4	2.1	3.2
DEVELOPED		778	N.A.	N.A.	N.A.	<10	B	100	98	90	98	145	2.20	2.07	3.06	4.64	2,231	3,474	5,564	1.4	2.1	3.2

ALBUQUERQUE
REGIONAL DETENTION FACILITY
324 LOMAS BLVD. N.W.
GRADING AND DRAINAGE PLAN

EASTERLING & ASSOCIATES, INC.

CONSULTING ENGINEERS

5643 Paradise Blvd. N.W.

Albuquerque, New Mexico 87114

Designed: DLS Drawn: BRG Checked: CME Sheet: 1
Job No: 709301 Date: AUG 1987 of: 1