

SCALE: 1"=20'

LEGEND

DESCRIPTION	NEW	EXISTING
CONTOURS	BB	BB
SPOT ELEVATION	BB	BB
DRAINAGE AREA BOUNDARY	-----	-----
DRAINAGE DIVIDE	-----	-----
WATER BLOCK	-----	-----
DIRECTION OF FLOW	-----	-----
ASPHALT PAVING	ASPHALT	ASPHALT
LANDSCAPING	LS	LS
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	-----	-----
WATER VALVES	-----	-----
WATER CONNECTIONS	-----	-----
WATER JOINTS	-----	-----
CONCRETE	-----	-----
GAS LINE	-----	-----
UNDERGROUND TELEPHONE	-----	-----
CABLE TELEVISION	-----	-----
POWER/TELEPHONE POLE	-----	-----
UNDERGROUND ELECTRICAL	-----	-----
CURB ELEVATION	-----	-----
HYDROLOGICAL ANALYSIS POINT	AP	AP
DETAIL REFERENCE	-----	-----
KEYED NOTES	-----	-----
CITY ADO. DETAIL REFERENCE	-----	-----
CURVE OR COORDINATE REFERENCE INFO	-----	-----
PHASE BOUNDARY	-----	-----

GENERAL NOTES FOR GRADING AND DRAINAGE

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- 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.
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- CONSTRUCTION PHASE: THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO THE STREET. LOOSE SOIL STOCKPILED 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

Reg Drains?
Parking Areas?

Are Drive Pds
Proposed or
existing?

FOURTH ST.

LOMAS BLVD.

F.F.E. 4956.0

S.D.#19

HYDROLOGY

AP	D.A.	H.	S.	L.	Tc	SOIL	%	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.	TYPE	IMP.			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	NA	NA	NA	<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	NA	NA	NA	<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

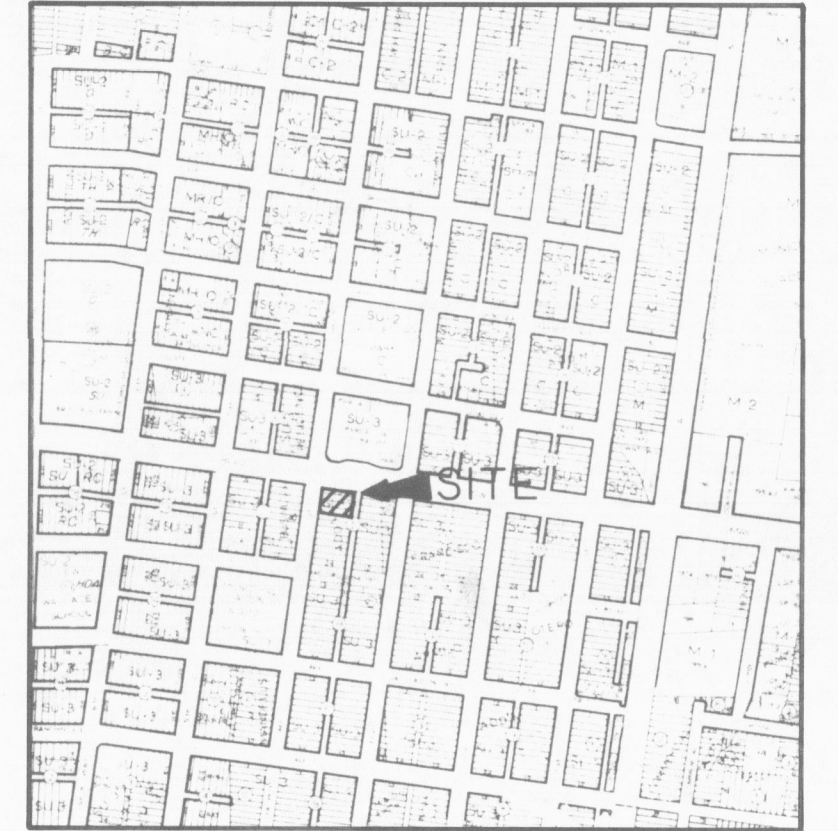
SOILS INFORMATION FROM SOIL SURVEY, BERNALILLO CO. U.S.D.A., S.C.S.

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	DICES, LEVEES, 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.	Unsuitable	Unsuitable	Fair: too clayey.	Favorable	Low strength, piping.	B

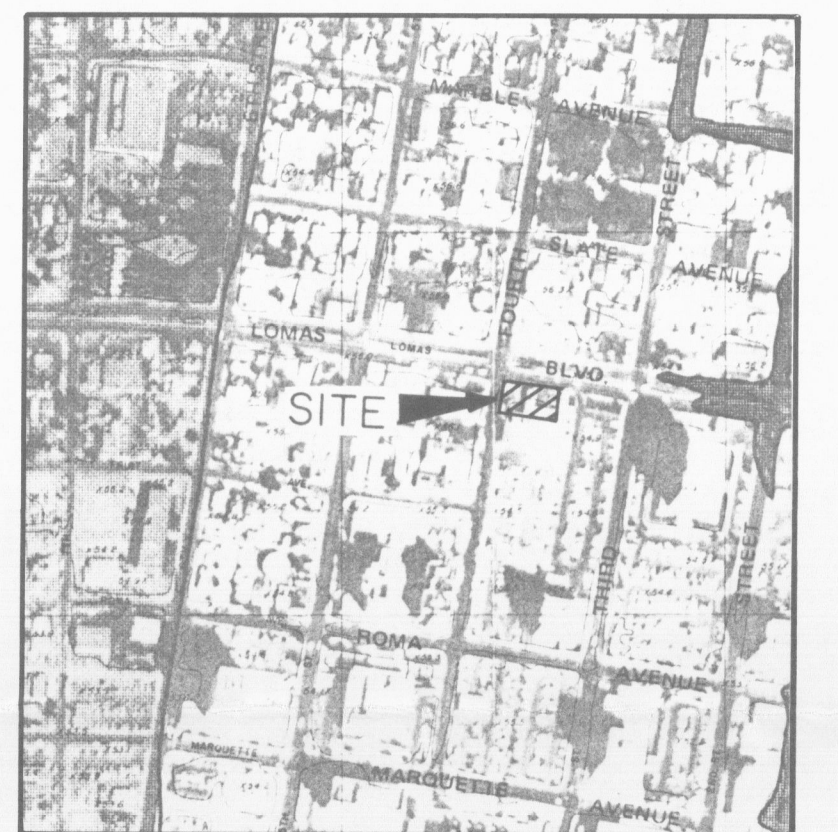
Gk—Glendale loam. This level soil is in the irrigated Rio Grande Valley. It has a profile similar to that described as representative of the series, but the surface layer differs in texture and is about 10 inches thick. On about 1 percent of the acreage the soil is slightly saline, and on 7 percent it 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.

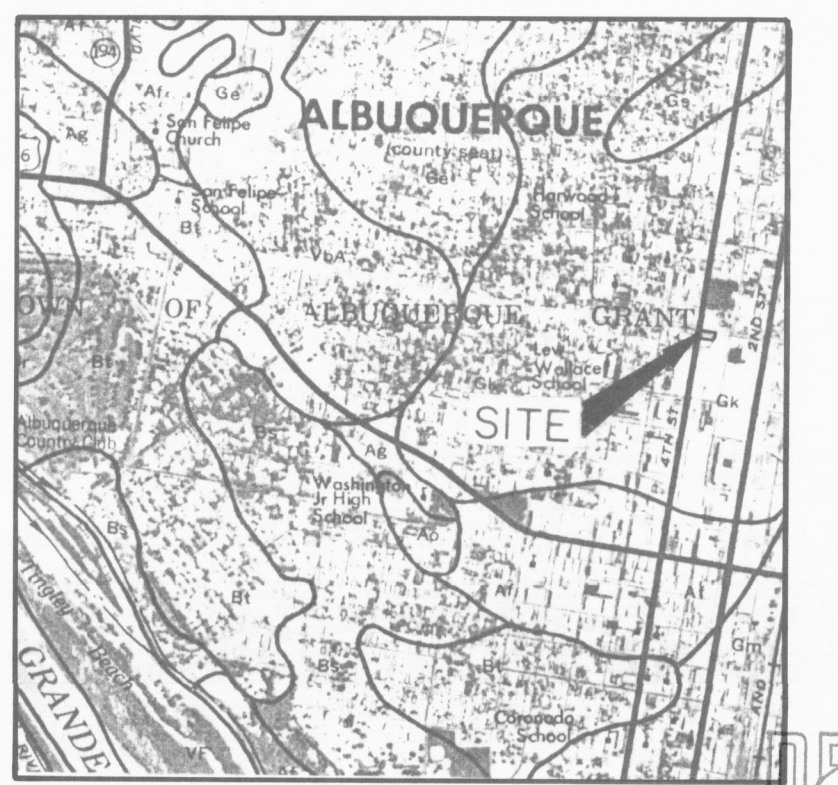
VICINITY MAP ZONE ATLAS MAP NO. 1-14-2



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

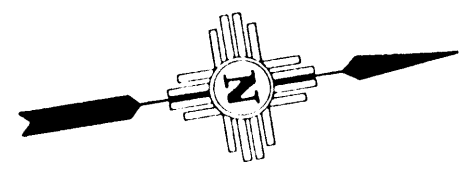


NO 30 SOILS MAP FROM SOIL SURVEY, BERN. CO. U.S.D.A., S.C.S.



NOV 24 1987
HYDROLOGY SECTION

NO.	REVISIONS	BY	DATE
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: CLS	Drawn: BRG	Checked: CME	Sheet: 1
Job No: 709301	Date: AUG 1987	of	1



SCALE: 1"=20'

LEGEND

DESCRIPTION	NEW	EXISTING
CONTOURS	--- 10' ---	--- 10' ---
SPOT ELEVATION	○ 54.1	○ 54.1
DRAINAGE AREA BOUNDARY	-----	-----
DRAINAGE DIVIDE	-----	-----
WATER BLOCK	-----	-----
DIRECTION OF FLOW	-----	-----
ASPHALT PAVING	-----	-----
LANDSCAPING	-----	-----
RETAINING WALL	-----	-----
GARDEN WALL	-----	-----
SWALE	-----	-----
PROPERTY LINE	-----	-----
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ELEV. 4954.36

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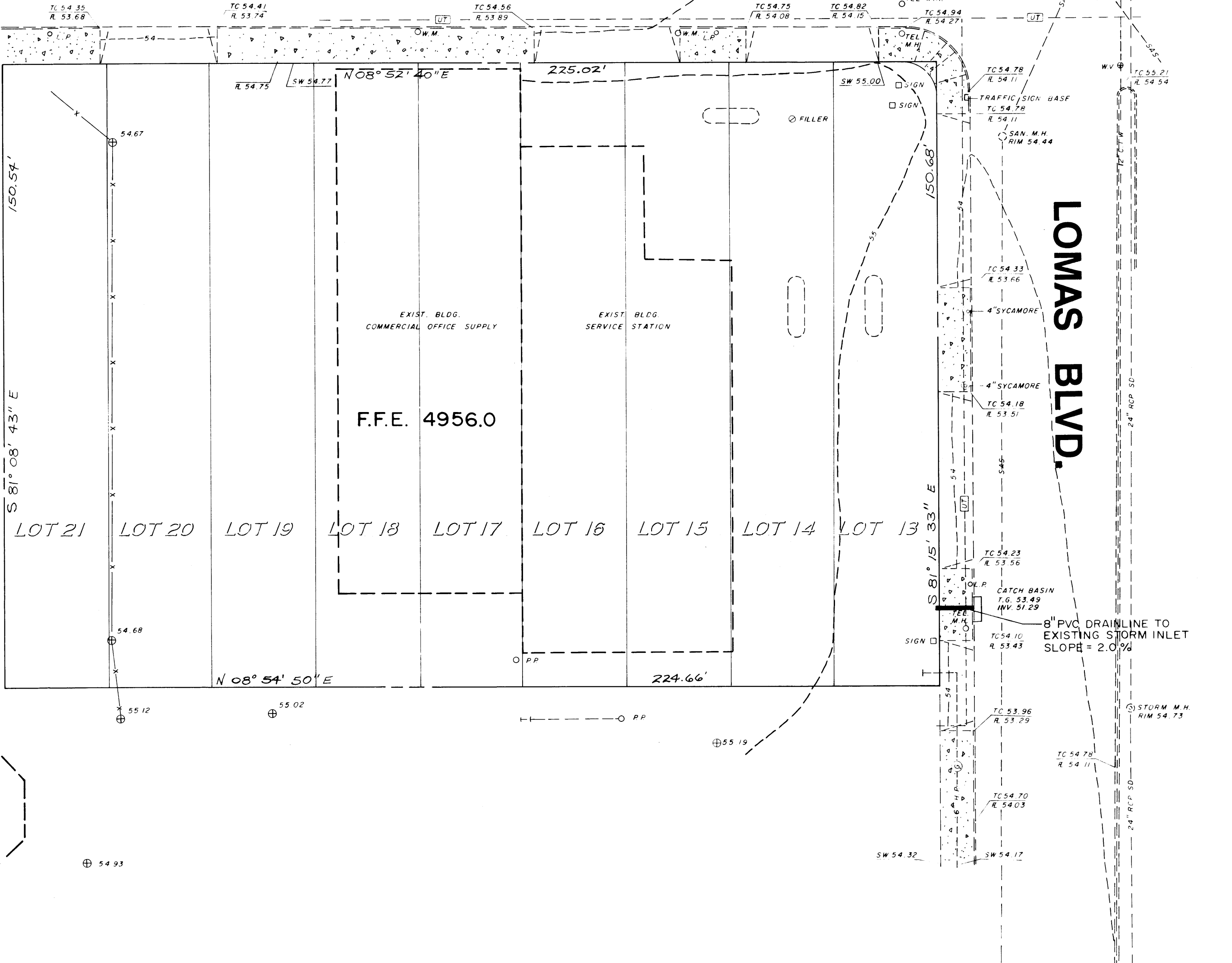
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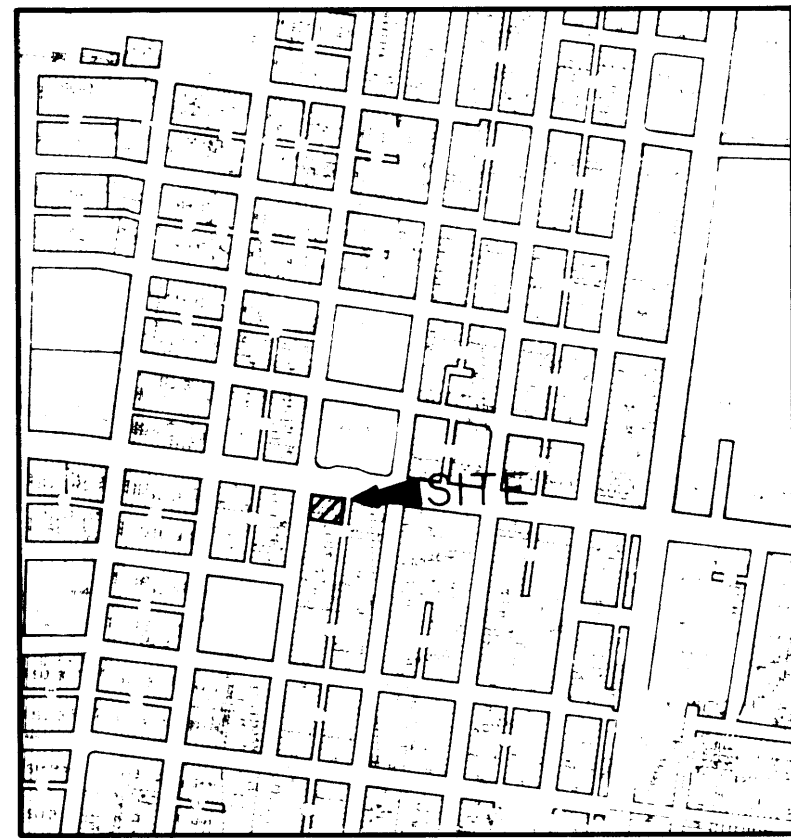
FOURTH ST.

LOMAS BLVD.

F.F.E. 4956.0



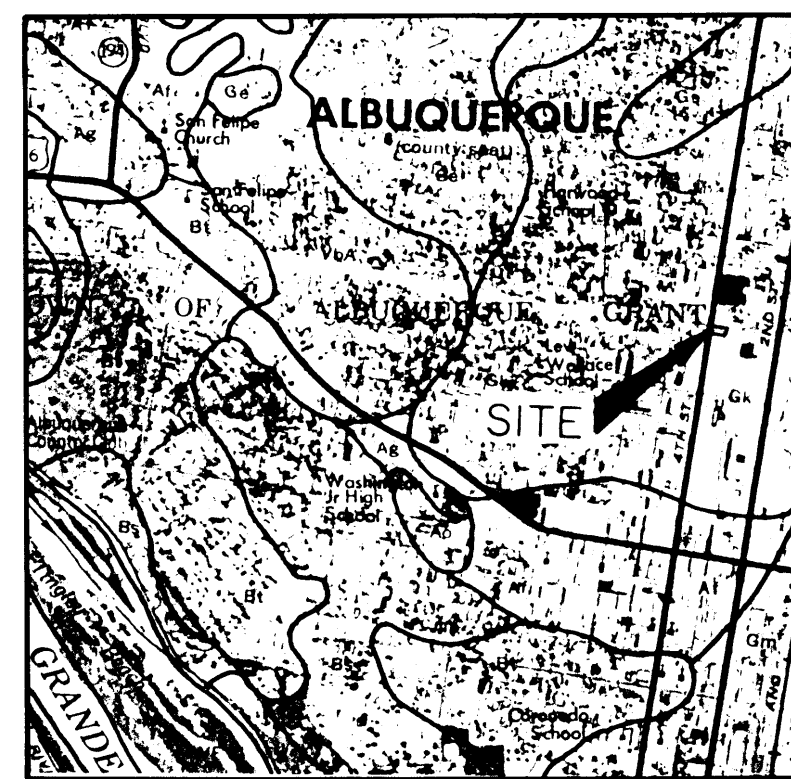
VICINITY MAP ZONE ATLAS MAP NO. J-14-7



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



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



HYDROLOGY

	A.P.	D.A.	H.	S.	L.	T _c	SOIL TYPE	%	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.		IMP.			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	220	207	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	220	207	3.06	4.64	2,231	3,474	5,564	1.4	2.1	3.2

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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	CLS	Drawn	BRG	Checked	CME	Sheet	1
Job No.	709301	Date	AUG 1987	of	1		