

NOTICE TO CONTRACTOR:

- 1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PLANS MUST BE SUBMITTED AT THE TIME OF APPLI-CATION OF THIS PERMIT.
- 2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATION - PUBLIC WORKS CONSTRUCTION - 1985.
- 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (765-1234) FOR LOCATION
- 4.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCT-IONS, SHOULD A CONFLICT EXIST, THE CONTARCTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RE-SOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5.) BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
- 6.) MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

·[APPROVALS	NAME	DATE	
	A.C.E./ DESIGN			
	NSPECTOR	6.4		
	A.C.E./FIELD			

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PER-FORMED UNDER SEPARATE PERMIT.

EROSION CONTROL MEASURES:

ADJACENT PROPERTIES.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF

1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF

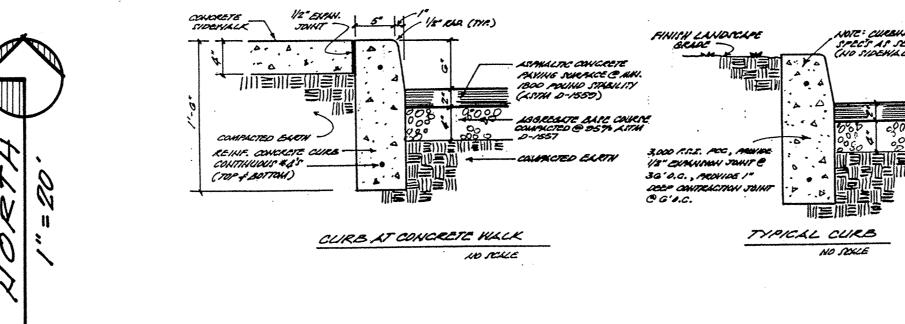
2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM

DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED

STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER

TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING



4' CONC. WILLE

PROPOSED BUILDING

FIN. FLR. = 4959.85

SWALE

S=0.01%

4' CONC. WALK

COMPACTED EVEN CONTINUOUS *3' CONTINUOUS *3'	
CURB AT CONCRETE WALK	TYPICAL CURB
NO SCALE	NO SOLE

PROPOSED

FIN. FLR. = 4959.85\

PROPOSED KEW ASPHALT PAVING

EXISTING

BLOG.

CLPE	NOTE: CURBING SAME SPECT AS SECTION (NO SIDEMALK)			Treat	ment (100-YR [2-YR, 10-YR]
間間公子。	(NO STACK)	Zone	· A	В	С	D
	•1	1	1.29 [0.00, 0.24]	2,03 [0.03, 0.76]	2.87 [0.47, 1.49]	4.37 { 1.69, 2.89 }
: 1.4	90p. 600°	2	1.56 { 0.00, 0.38 }	2.28 [0.08, 0.95]	3.14 [0.60, 1.71]	4.70 [1.86, 3.14 }
May be	0000 \$ 0000	3	1.87 [0.00, 0.58]	2,60 [0.21, 1.19]	3.45 { 0.78, 2.00 }	5,02 [2.04, 3.39]
wre o		4	2.20 [0.05, 0,87]	2.92 { 0.38, 1.45 }	3.73 [1.00, 2.26]	5.25 [2.17, 3.57]
י אין דואומצו		TABLE 2	4-10. PEAK INTE	NSITY (IN/HR at	l _e = 0.2 hour)	
TYPICAL		Zone		Intensity	100-YR	

REMOVE EXISTING

BUILDING

S=0.01% -

TABLE A-10.	PEAK INTENSITY (IN/HR at 1	t _c .= 0.2 hour)
Zone	Intensity	100-YR [2-YR, 10-YR]
1	4.70 [1.84, 3.14]	
②	5.05 [2.04, 3.41]	
3	5.38 [2.21, 3.65]	
4	5.61 { 2.34, 3.83 }	

EXISTING BUILDING

(AUTOMOTIVE MACHINE SERVICE

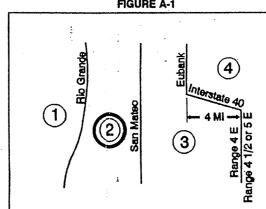
TABLE A-G. PEAK DISCHARGE (cfs/acre)

A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

TABLE A-1. PRECIPITATION ZONES					
Zone	Location				
1	West of the Rio Grande				
2	Between the Rio Grande and San Mateo				
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40				
4	East of Eubank, North of Interstate 40; and East of the East bourdary of Range 4 East, South of Interstate 40				

FIGURE A-1



extends across a use the zone which contains the largest portion of the

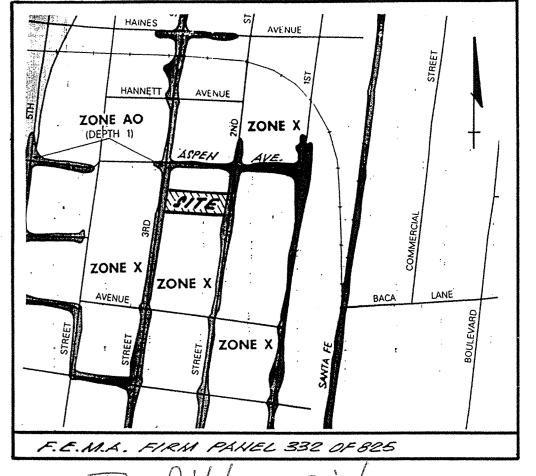
DPM SECTION 22.2 - HYDROLOGY January, 1993

Α .	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined arroyos.
В	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with day or day loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
	Impositue areas payement and roots

TABLE A-4. LAND TREATMENTS

Land Condition

Impervious areas, pavement and roofs Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective subareas. In lieu of specific measurement for eatment D, the areal percentages in TABLE A-5 may be employed.



DRAINAGE COMMENTS

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED SOUTH OF ASPEN AVENUE N.W. BETWEEN SECOND STREET N.W. AND THIRD STREET N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP "J-14-Z").

THE SUBJECT SITE, 1.) IS PRESENTLY A VACANT UNDEVELOPED PROPERTY THAT IS TO HAVE PROPOSED OFFICE/WAREHOUSE FACILITIES CONSTRUCTED THEREON. 2.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) DOES NOT ITSELF LIE WITHIN A DESIGNATED FLOODPLAIN; HOWEVER, DOES LIE AD-JACENT TO DESIGNATED AO-1' DEPTH FLOODPLAINS THAT ARE WITHIN THE AD-JACENT STREET RIGHT-OF-WAYS OF AFOREMENTIONED SECOND STREET N.W. AND THIRD STREET N.W. (RE: F.E.M.A. PANEL 332 OF 825, DATED SEPTEMBER 20, 1996), 5.) WILL HAVE NO ADVERSE AFFECT TO DOWNSTREAM PROPERTIES BY THE FREE DISCHARGE OF PROPOSED DEVELOPED FLOWS.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2., DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, JANUARY 1993, AND PER THE BERNALILLO COUNTY STORM DRAINAGE ORDINANCE.

SITE AREA: 0.97 ACRE

PRECIPITATION ZONE: TWO (2), TABLE A-1

PEAK INTENSITY: IN./HR. AT $T_C = TWELVE$ (12) MINUTES, 100-YR. = 5.05 LAND TREATMENT METHOD FOR CALCULATION OF "Q", TABLES A-8 & A-9

"LAND TREATMENT FACTORS", TABLE A-4 EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	AREA/ACRES		FACTOR		Volume?
C	0.97	X	3.14	=	<u>CFS</u> 3.05	
'O " = 3.05 CF	S					

PROPOSED DEVELOPED CONDITIONS:

TREATMENT	AREA/ACRES		FACTOR		CFS			
R O	0.15	X	3.14	=	0.47			
D	0.82	X	4.70	=	3.85			
$"Q_{-}" = 4.32 \text{ CFS}$	*** 4.32	CFS	- 3.05	CFS	= 1.27	CFS	INCREASE	470

TRACT 279-A, M.R.G.C.D. PROPERTY MAP NO. 37, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BENCH MARK REFERENCE:

A.C.S. MONUMENT STATION " "17-J14", M.S.L.D. ELEVATION = 4954.83; PROJECT T.B.M. AS SHOWN ON THE PLAN HEREON.

AUG 3 1999

HYDROLOGY SECTION

A PROPOSED GRADING & DRAINISGE PLAN FOR AN OFFICE/WAREHOUSE DEVELOPMENT FOR ALAN & FRANCINE REGIS ALBUQUERQUE, NEW MEXICO JULY, 1999

ENGINEER'S SEAL

SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS. CERNING CONSTRUCTION SAFETY AND HEALTH. 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON. STANDARDS AND PROCEDURES.

CONSTRUCTION NOTES:

GENERAL NOTES:

EXISTING OLD

SURVEY OF THE SUBJECT PROPERTY.

LOCATION MAP

MADE: PROVIDE REQUIRED (A)

EXISTING 5' HIGH

BLOCK WALL

1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OR SUB-SURFACE UTILITIES.

2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS

- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CON-
- 4.) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORM-ED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY

LEGEND:

TOP OF CURB ELEVATION = 7C=57.86 CURB FLOWLINE ELEVATION = 12 57.15 EXISTING SPOT ELEVATION = .- 582 EXISTING CONTOUR ELEVATION = 11/A PROPOSED SPOT ELEVATION = \$\leftarrow 59\textit{\alpha} PROPOSED CONTOUR ELEVATION = ____ 58.50 ____ PROPOSED OR EXISTING CONCRETE SURFACE =) EXISTING FENCE LINE = -x x

(A) - LANDSCAPED AREA PER ARCHITECT'S SITE PLAN