

### GENERAL NOTES:

RETAINING WALL

- \_ 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

### **EROSION CONTROL MEASURES:**

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 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.

### CONSTRUCTION NOTES:

- 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.) 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-CERNING CONSTRUCTION SAFETY AND HEALTH.
- 4.) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORM-ED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

### LEGEND:

RETAINING WALL TABLE OF DIMENSIONS AND REINFORCING

3'-4" 10 6'-0" 1'-2" 12" 1'-10" 4'-0" 3'-4" \$5 \cdot 16" 0.C. \$5 \cdot 16" 0.C. 4 \$4 \cdot \$4 \cdot 0.C. 2'-0" 10 3'-4" 12" 12" 12" 3'-0" 2'-8" \$5 \cdot 48" 0.C. \$4 \cdot 48" 0.C. 3 \$4 \cdot 44" 0.C. 3 \$4 \cdot 44 \cdot 0.C. 3 \$4 \cdot 0.C

TOP OF CURB ELEVATION = 70=15.02 CURB FLOWLINE ELEVATION = #= 14.35 EXISTING SPOT EDEVATION = .-- /52

# A.1 PRECIPITATION ZONES

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

Where a watershed

extends across a

use the zone

which contains

the largest

portion of the

	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 boundary of Range 4 East, South of Interstate 40

# FIGURE A-1

L	TABLE A-9. PEAK DISCHARGE (cfs/acre)						
			100-YR [ 2-YR, 10-YR ]				
	Zone	Α	8	С	Đ		
	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 ]		
	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 ]		
	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 ]		
	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 ]		

### DPM SECTION 22.2 - HYDROLOGY

TABLE A-4. LAND TREATMENTS						
Treatment	Treatment Land Condition					
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 clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.					
D	Impervious areas, pavement and roofs.					

Most watersheds contain a mix of land treatments. To determine proportional

eatments, measure respective subareas. In lieu of specific measurement for eatment D, the areal percentages in TABLE A-5 may be employed.

TABLE A-10. PEAK INTENSITY (IN/HR at t <sub>c</sub> = 0.2 hour)			
Zone		Intensity	100-YR [ 2-YŖ, 10-YR ]
1		4.70 [ 1.84, 3.14 ]	
2		5.05 [ 2.04, 3.41 ]	
3		5.38 [ 2.21, 3.65 ]	

[ 2.34, 3.83 ]

ENGINEER'S SEAL

### LEGAL DESCRIPTION:

TRACT "X-2", INTERSTATE INDUSTRIAL TRACTS, UNITS III AND IV, COIXEM WEM ,YTHUCO CLILLARRE , SUQREUQUELA TC YTIO EHT CT

### BENCH MARK REFERENCE:

ACS STATION "10-D17", M.S.L.D. ELEVATION = 5109.28; PROJECT T.B.M. AS SHOWN ON THE PLAT HEREON.

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF ELLISON STREET, N.E. BETWEEN JEFFERSON STREET N.E. AND WASHINGTON STREET, N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

THE SUBJECT SITE IS PRESENTLY A PARTIALLY DEVELOPED "M-1" ZONED PROPERTY; THE PROPOSED PLAN IS TO HAVE ALL OF THE EXISTING ASPHALT PAVING REMOVED BECAUSE OF ITS DETERIORATED CONDITION AND BE REPAVED; THERE WILL BE NO INCREASE IN THE PAVED AREAS; HOWEVER, THERE WILL BE MINOR GRADE REVISIONS TO THE EXISTING GRADES TO BETTER SURFACE FLOW SAID RUN-OFF. THERE WILL BE NO RE-DIRECTION OF EXIST-ING SURFACE FLOWS.

### CALCULATIONS:

TREATMENT

C

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2., DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, DATED JAN-UARY 1993.

### SITE AREA: 2.20 ACRES

PRECIPITATION ZONE: TWO (2)

PEAK INTENSITY: IN./HR. AT  $T_C = TWELVE$  (12) MINUTES, 100-YR. = 5.05, TABLE A-10 LAND TREATMENT METHOD FOR CALCULATION OF "Q", TABLES A-8 & A-9

0.78 X 3.14

FOR

And the same is

4111 ELLISON ST. N.E.

ALBUQUERQUE, HEN MEXICO MAY, 2000

MAY 1 0 2000

# "LAND TREATMENT FACTORS", TABLE A-4.

AREA/ACRES

## EXISTING AND PROPOSED CONDITIONS:

2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.	EXISTING CONTOUR ELEVATION =	[ [ 0.05, 0.1	87] [ (0.38, 1.45] [ (1.00, 2.26] [ (2.17, 3.57) ]		0.7		2.45
	PROPOSED SPOT ELEVATION = 4-1620				D 1.4	$2 \qquad X \qquad 4.70 \qquad = \qquad$	6.67
	PROPOSED CONTOUR ELEVATION = -15.50				$"Q_p" = 9.12 \text{ CFS}$	ļ <b>,</b>	•
Control of the Contro	PROPOSED OR EXISTING CONCRETE SURFACE = \[ \]				*p	·	
	EXISTING FENCE LINE = -X X	40.011					
		480'±		-EXISTING CONC. CURBING	Ś		
			- EVICTIVE CRIVE				
			EXISTING GRAVEL		* 50		
				<del>, , , , , , , , , , , , , , , , , , , </del>		<b>l</b> [h]	process ready
Superior and Superior Control of the							DECEIME
					/ / / /		MAY 1 0 ages
LOCATION MAP							MAY 1 0 2000
							HYDROLOGY SECTION
						1 11/2	HADROLOGA SECTION
							u.*
							V
							<b>\</b> •
						× 32	<b>V</b>
EXISTING							
RUU OU IO			THE THE WILL WAS THE PURE THE				
ZXIIIX	IG GREAVEL		EXISTING WAREHOUSE BUILDING				
						3	
				′ / / / / /			•
							4i
							<b>и</b> .
	FIN. FO	R.= 5120.20	/ FIN. FLR. = 5120.12 /		FIN. FLR. = 5120.13	ماد عن الم	N
	•			paar (rije) 🤜 / / 🕴		00 10=15:71 20 70=15:06	<b>A</b>
	× 0 - 160  :: 1	· ~ 16 12		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	EXITING CONC.	2 HE-15.	
1	152 -16.0	16.0	76-2	1611 1632	1920 EXSTING CONC. 1972		<b>E</b> '
1425	15		1020-1 1 1030		19.0 19.0		•
M =	7.5		\ _@\$	4 1 3	18.5		
				EXISTING RETURNING			
TRACT "X-1"		TRACT "X-2"		RETAINING WALL	18.0	n2.	
~14 <sup>75</sup>		6,(	16.00	To a second	17.5	70:15:05	
	1520	15.50			17.0	E 14.0	
	1320		1522-7	13 No. 2	16.5	1558	
		15.5		E 30 15 45	16.50		
EXISTING 3.5	35		1625 EXICTIVE A PEHALT	3			<b>S</b>
ASPHALT 13.0 19.5	Eviarus and		SPEED BUMP				Z
	EXISTING COGE OF ASPHALT  FIGOR		(Me)				Ŋ
1280	OF ASPRACT F 14.30					14.49	ξ'
	80				5	1475 E 13.94	4
	Consess ones	/ 5		15.50		The state of the s	Any Company
	PRIMITED EDGE	1500					V
AS EXISTING GRAVEL				NOTE:		7.7	V
	in 100 1 120	1525 1517 1000	13.0	PROVIDE G" HIGH	- 70	<b>%</b> .	4 1
EXISTING CURS /		1550	1550	NOTE: PROVIDE CO" HIGH ROLLED ASSMILLT CURRING WHERE SHOWN THUS (1500)	15.00 15.00		N
						13.80	
		1585				1435	
		480'±				TO THE RESERVE OF THE PARTY OF	•
	annune //		EXISTING RETAINING WALL POPERTY	DR LOWER GRADE	PROTECT T.B PROPERTY CU CAP IN PLAC	periee /	
		EKI COKIC. SLAB	OF AWACENT PROPERTY		CAP IN PLACE	EXISTING 24	I" COKC. DII DII
4 CONT. IN K.O.B.B. RETAINING WALL		A BIN ENCLOSURE			ELEV. = 5/14.	34 DESIN TRO	VGA
		WOLATION					
MATERIAL WITH A CONS	ACKFILL SHALL BE COMPACTED TO 95% M.D.D. BACKFILL SPICUOUS CONTENT OF ORGANIC MATTER AND/OR CLAY						
GROUT ALL CELLS SOLID 2. ALL CONCRETE SHALL	HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF					ΙŢĺ	
					· ·	<b>t</b> 1	
LAP 24" MIN. WITH V-BARS  3. ALL REINFORCING SHAL OF 60,000 PSI (GRADE	L BE DEFORMED BARS WITH A MINIMUM TENSILE STRENGTH 60).						
12" CMU (WHERE OCCURS)  4. ALL WORK SHALL COM	PLY WITH THE PROVISIONS OF THE UNIFORM BUILDING CODE						
T I I I I I I I I I I I I I I I I I I I			NORTH	ALL VALOR	_	PRAPAGEA	
BACKFILL WITH 6 X8 PEA GRAVEL FOR DRAINAGE 5. IF PILASTERS ARE BUIL  12" CMU BELOW PROVIDED  14" CMU BELOW PROVIDED  15" CMU B	T WITH WALL, THE 8" CMU MAY BE CENTERED ON THE DED THAT THE VERTICAL REINFORCING IN THE 8" CMU IS ASTERS SHALL BE 12" BY 16" WITH ONE \$5 VERTICAL BAR			WEXICOLES!		PROPOSED	розимень
L-BARS CONT. IN FTG.  AS DIMENSIONED. PILA IN EACH CELL.	STATE OF 12 OF THE VAC TO VERHEAL BAR		SCALE: /"=20'	175	RE-	PSVING PLSN	/ DECEIVE F
T-BARS TRANSVERSE IN FTG.				THE PROPERTY OF THE PROPERTY O	<b>*</b> • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	