

GENERAL NOTES:

- 1.) TOPOGRAPHY SURVEY SHOWN ON THE PLAN HEREON WAS OBTAINED PERFORMED BY THE "TRANSIT-STADIA" METHOD.
- 2.) NO SEARCH HAS BEEN MADE FOR RECORDED OR UNRECORDED EASEMENTS WITHIN THE SUBJECT PROPERTY.
- 3.) NO PROPERTY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY.

NOTE: THE GRADE ALONG THE SOUTH PROPERTY LINE FENCE SHOULD BE AT A MINIMUM OF 3:1 AND SHOULD BE OBTAINED IN SUCH A MANNER SO NOT TO HARM THE EXISTING STRUCTURES ADJACENT THERETO.

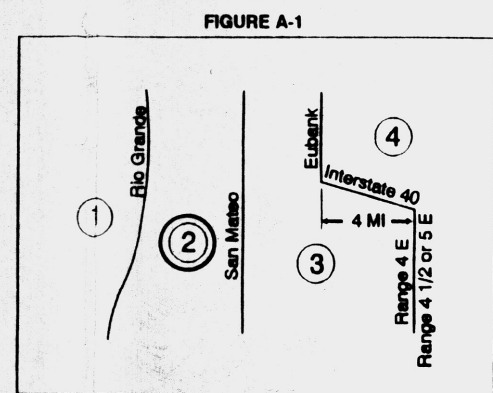
LEGEND:

TOP OF CURB ELEVATION = T.C. = 66.42
FLUM LINE ELEVATION = F.E. = 65.77
EXISTING CONTOUR = GA
EXISTING SPOT ELEVATION = 66.2
PROPOSED CONTOUR = GA
PROPOSED SPOT ELEVATION = 65.80
EXISTING FENCE LINE =

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 boundary of Range 4 East, South of Interstate 40



Where a watershed extends across a zone boundary, use the zone which contains the largest portion of the watershed.

DPM SECTION 22.2 HYDROLOGY

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TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil unimpacted 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. Unfertilized arroyos.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil unimpacted 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 unimpacted 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 treatments, measure respective subareas. In lieu of specific measurement for treatment D, the areal percentages in TABLE A-5 may be employed.

DRAINAGE COMMENTS AND CALCULATIONS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE WEST SIDE OF EDITH BLVD. N.E., BETWEEN LOMAS BLVD. N.E. AND MOUNTAIN ROAD N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

THE SUBJECT SITE, 1.) IS AN UNDEVELOPED VACANT LOT THAT HAS HAD IN EXCESS OF 500 CUBIC YARDS OF FILL MATERIAL IMPORTED TO SAID SITE, 2.) DOES NOT LIE WITHIN A DESIGNATED FLOOD PLAIN (PANEL 29 OF 50), 3) DOES NOT ACCEPT OFF SITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES CONTRIBUTE TO THE FLOWS OF THE ADJACENT PROPERTY TO THE WEST OF SAID SITE, 5.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, 6.) WILL PROVIDE FOR A 100% RETENTION POND.

SITE AREA: 0.50 ACRE

PRECIPITATION ZONE: TWO (2)

PEAK INTENSITY: 5.05

LAND TREATMENT METHOD FOR CALCULATIONS:

EXISTING AND PROPOSED CONDITIONS:

TREATMENT	AREA	FACTOR	CFS
C	0.50	X 3.14	= 1.57

"Q_p" = 1.57 CFS

POND VOLUME CALCULATIONS:

"E" 0.57 = 1.14 INCHES
0.50 V₃₆₀ = 0.05 AC. FT. = 2,178.0 CU. FT.

TEN (10) DAY STORM:

V₁₀ = 0.18 AC. FT. X 43,560.0 = 7,841.0 CU. FT.

POND SIZE = 5,500.0 SQ. FT. X 1.50' = 8,250.0 CU. FT.

FREEBOARD = 409.0 CU. FT.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF 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 SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

CONSTRUCTION NOTES:

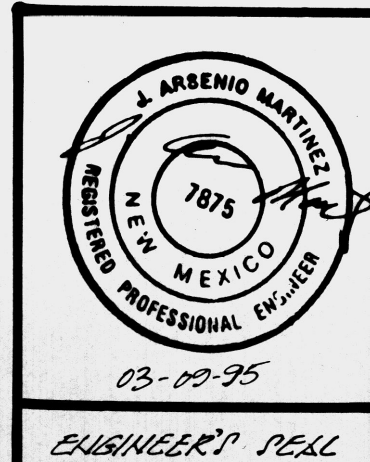
- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT 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 APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

LEGAL DESCRIPTION:

TRACT 173-B-1-F, M.R.G.C.D. PROPERTY MAP NO. 37, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP NO. "J-15-2"); AND TRACT 186, MAP NO. 37.

BENCH MARK REFERENCE:

"ACS" STATION "6-J15", M.S.L.D. ELEVATION OF 4965.91; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.



GRADING AND DRAINAGE PLAN
OF
TRACT 173-B-1-F, M.R.G.C.D. MAP NO. 37
(TOM AND LORETTA TOLLIRON)
ALBUQUERQUE, NEW MEXICO
MARCH, 1995

