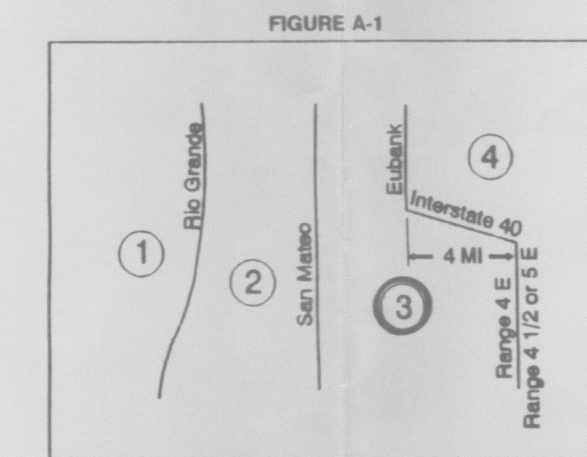


A-1 PRECIPITATION ZONES

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

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



DPM SECTION 22.2 - HYDROLOGY
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Treatment	Land Condition
A	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.
B	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 treatments, measure respective subareas. In lieu of specific measurement for treatment D, the areal percentages in TABLE A-5 may be employed.

DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE PLAN SHOWN HEREON.

- EXISTING TOPOGRAPHY AND DRAINAGE OF THE EXISTING SUBJECT SITE.
- VICINITY MAP
- LEGAL DESCRIPTION
- LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS.
- DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF CENTRAL AVENUE EAST, EAST OF JUAN TABO BLVD. N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BASED ON THE TOPOGRAPHY SURVEY OF THE SUBJECT SITE, AND ALSO A SITE INVESTIGATION, IT IS DETERMINED THAT THE FREE DISCHARGE OF THE EXISTING AND PROPOSED RUNOFF GENERATED FROM SAID SITE WILL HAVE NO ADVERSE AFFECT TO DOWN-STREAM PROPERTIES.

CALCULATIONS:

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, DATED JANUARY 1993.

SITE AREA = 0.49 ACRE
PRECIPITATION ZONE: THREE (3)
PEAK INTENSITY: 5.38

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.19	X 3.45	= 0.66
D	0.30	X 5.02	= 1.51

"Q_P" = 2.17 CFS

PROPOSED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.17	X 3.45	= 0.59
D	0.32	X 5.02	= 1.61

"Q_P" = 2.20 CFS

*** INCREASE OF "Q_P" = 0.03 CFS

GENERAL NOTES:

- NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.
- REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED IMPROVEMENTS.
- TOPOGRAPHY SURVEY OBTAINED BY THE "TRANSIT-STADIA" METHOD.

BENCH MARK REFERENCE: STATION "NM BER. 4", M.S.L.D. ELEVATION = 5560.11; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

LEGAL DESCRIPTION: LOTS NUMBERED FIVE (5) THRU TEN (10), INCLUSIVE, IN BLOCK TWO (2), OF THE HENDREN ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT ~~408-2222~~ FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL MEASURES:

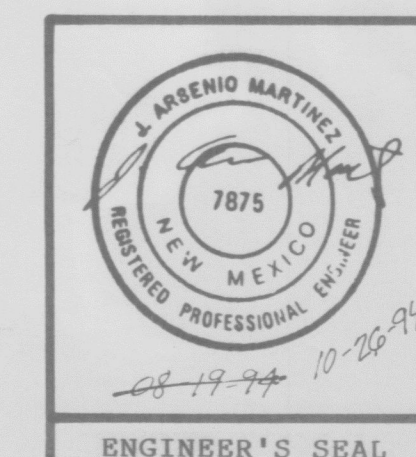
THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- 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.
- 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.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

LEGEND:

- T.C. = 50.48 = TOP OF CURB ELEVATION
- R.E. = 50.85 = CURB FIN LINE ELEVATION
- 40 --- = EXISTING OR PROPOSED CONCRETE
- 40 --- = EXISTING CONTOUR
- 40 --- = PROPOSED CONTOUR
- 40 --- = EXISTING FENCE
- 50.25 = PROPOSED 100' ELEVATION
- 40 --- = PROPOSED LIMIT OF NEW WORK

PROPOSED LANDSCAPED AREA; 15W-CUT EXISTING ASPHALT WHERE NEEDED.



"AS-BUILT" SURVEY OF
A PROPOSED DRAINAGE PLAN
FOR
SWEIS SERVICE STATION ADDITION
(12115 CENTRAL AVE. N.E.)
ALBUQUERQUE, NEW MEXICO
AUGUST, 1994
(OCTOBER, 1994)

