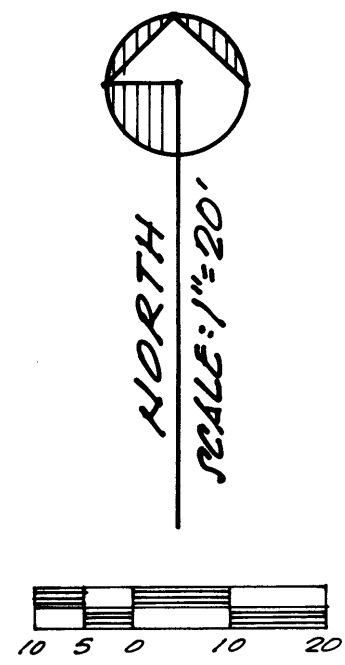
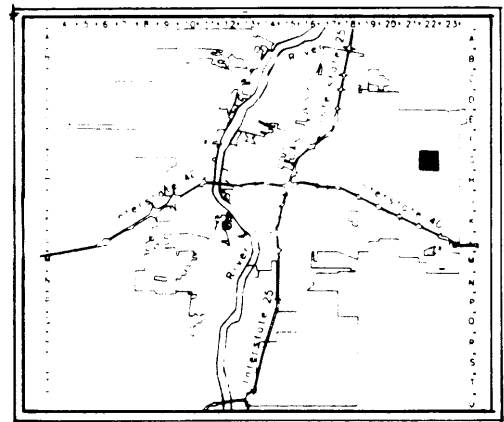
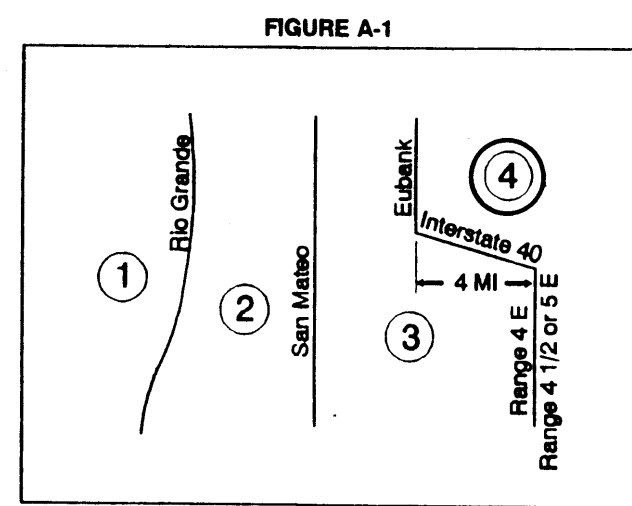


G-22-Z



- LEGEND:**
- TC = 82.50 = TOP OF CURB ELEVATION
 - FL = 81.84 = CURB FLOWLINE ELEVATION
 - 82.50 = EXISTING SPOT ELEVATION
 - 82.50 = PROPOSED SPOT ELEVATION
 - = EXISTING CHAIN LINK FENCE
 - = EXISTING OR PROPOSED CONCRETE
 - = PROPOSED FINISHED GRADE CONTOUR



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

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

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TABLE A-4. LAND TREATMENTS	
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 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 EAST SIDE OF JUAN TABO BLVD. N.E. BETWEEN COMANCHE ROAD N.E. AND MONTGOMERY BLVD. N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP "G-22-Z").

BASED ON THE TOPOGRAPHY SURVEY AND SITE INSPECTION OF THE SUBJECT PROPERTY, IT IS DETERMINED THAT THE FREE DISCHARGE OF THE EXISTING AND PROPOSED RUN-OFF GENERATED FROM SAID SITE WILL HAVE NO ADVERSE AFFECT TO DOWNSTREAM 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: 15,393.4 SQ. FT. = 0.35 ACRE
PRECIPITATION ZONE: FOUR (4)
PEAK INTENSITY: 5.61

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.15	X	3.73 = 0.56
D	0.20	X	5.25 = 1.05

"Q_P" = 1.61 CFS

PROPOSED CONDITIONS:

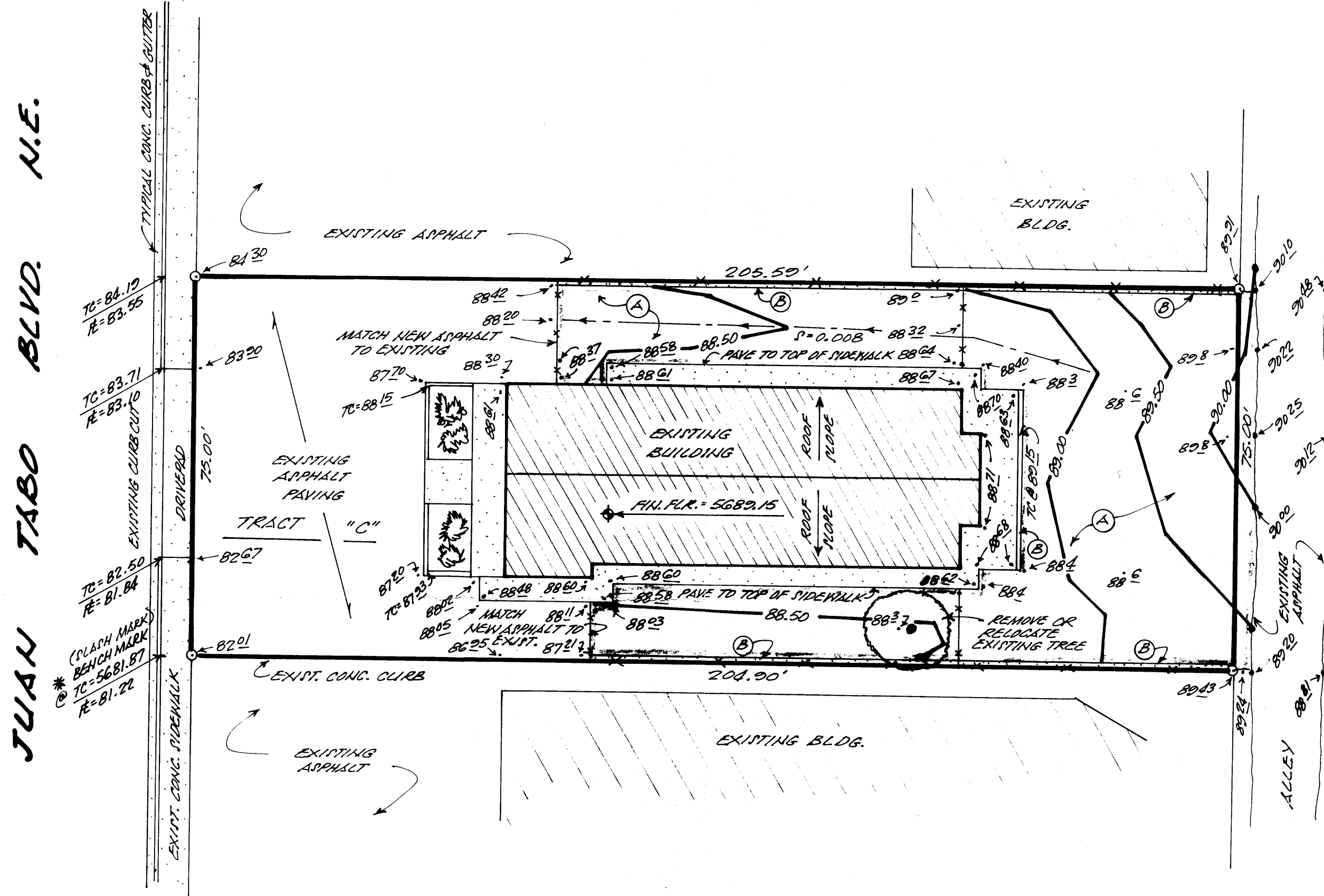
TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.01	X	3.73 = 0.04
D	0.34	X	5.25 = 1.79

"Q_P" = 1.83 CFS

*** INCREASE = 0.22 CFS

BENCH MARK REFERENCE: ACS STATION "2-G21A", LOCATED AT THE INTERSECTION OF COMANCHE ROAD N.E. AND JUAN TABO BLVD. N.E.; M.S.L.D. ELEVATION = 5666.13; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

LEGAL DESCRIPTION: TRACT "C", IN BLOCK ONE (1), OF THE REDIVISION OF LOT "A" IN BLOCK ONE (1), OF THE AMENDED PLAT OF HOLIDAY PARK, UNIT 11, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.



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 MAY BE SHOWN ON THE PLAN HEREON.
- TOPOGRAPHY SURVEY SHOWN HEREON WAS OBTAINED BY THE "TRANSIT - STADIA" METHOD.

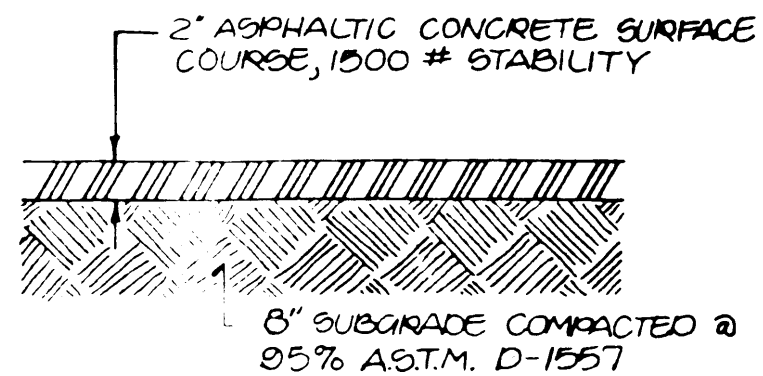
CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 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.

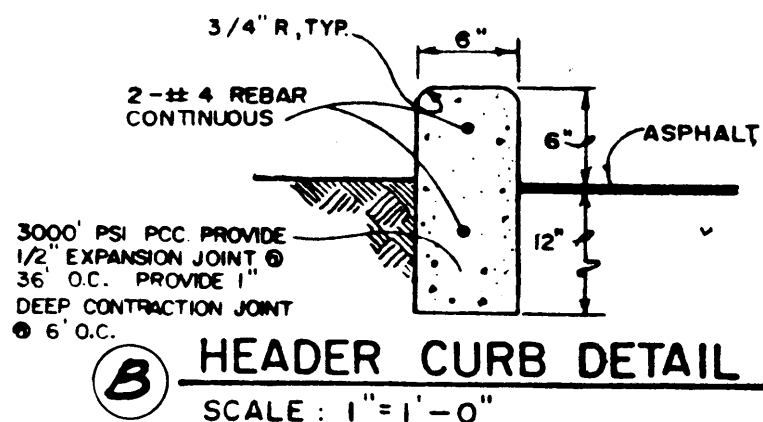
EROSION CONTROL MEASURES:

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.

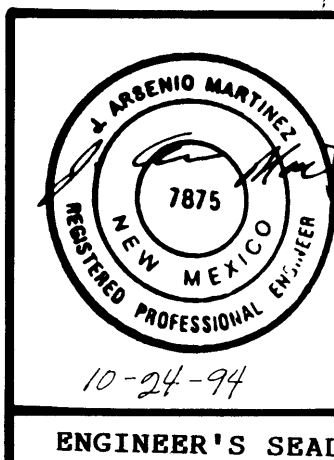


TYPICAL PAVEMENT SECTION (A)
SCALE: 1" = 1'-0"



HEADER CURB DETAIL (B)
SCALE: 1" = 1'-0"

NOV - 4 1994



**A PROPOSED GRADING AND DRAINAGE PLAN
FOR
COE PROPERTY
(3800 JUAN TABO BLVD. N.E.)
ALBUQUERQUE, NEW MEXICO
OCTOBER, 1994**