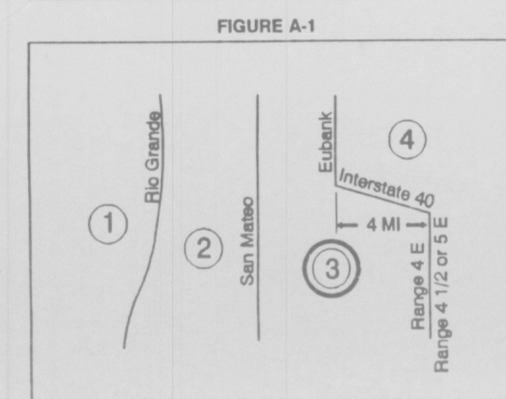


A.1 PRECIPITATION ZONES
Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

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



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

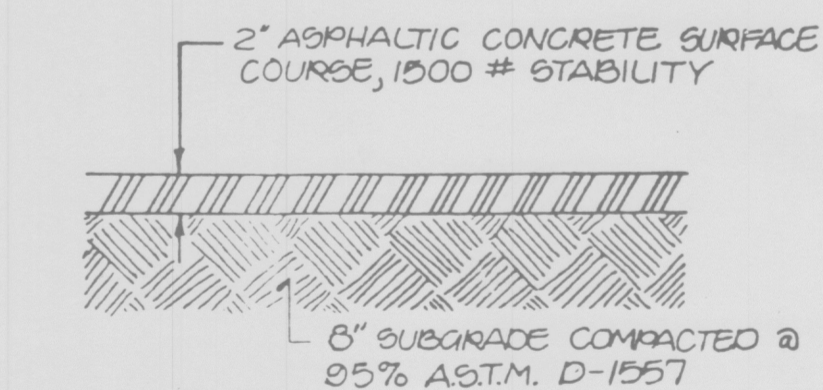
DPM SECTION 22.2 - HYDROLOGY
January, 1993 Page A-4

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. Crops/lands. 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.

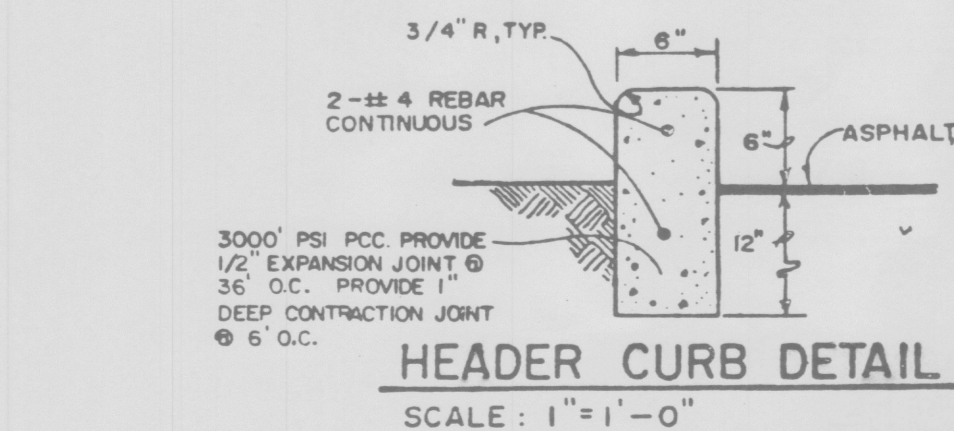
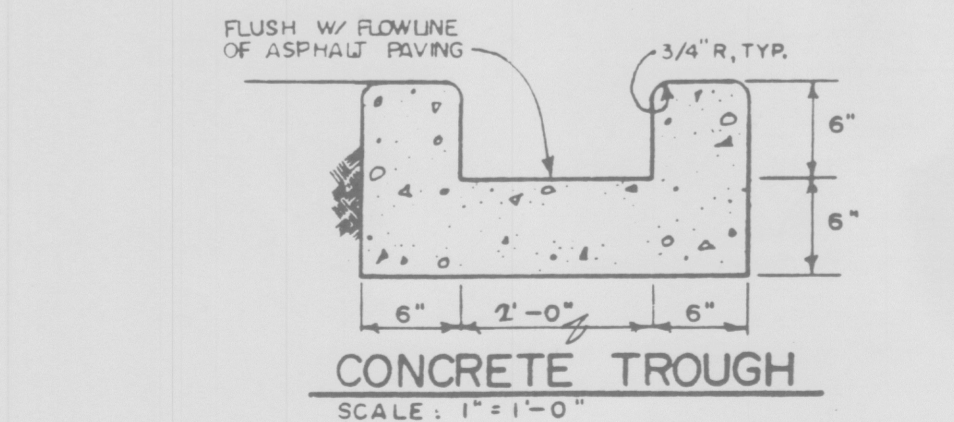
Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective substances. In lieu of specific measurement for treatment D, the area percentages in TABLE A-5 may be employed.

LEGEND:

TOP OF CURB ELEVATION	= TC = 5197.47
CURB FLOW LINE ELEVATION	= LE = 5196.82
EXISTING OR PROPOSED CONCRETE	= 5196.0
EXISTING CONTOUR	= 5194.7
EXISTING SPOT ELEVATION	= 5194.7
PROPOSED SPOT ELEVATION	= 5201.50
PROPOSED CONTOUR	= 5201.0



TYPICAL PAVEMENT SECTION
SCALE: 1" = 1'-0"



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, 3.85]
4	5.81	[2.34, 3.83]

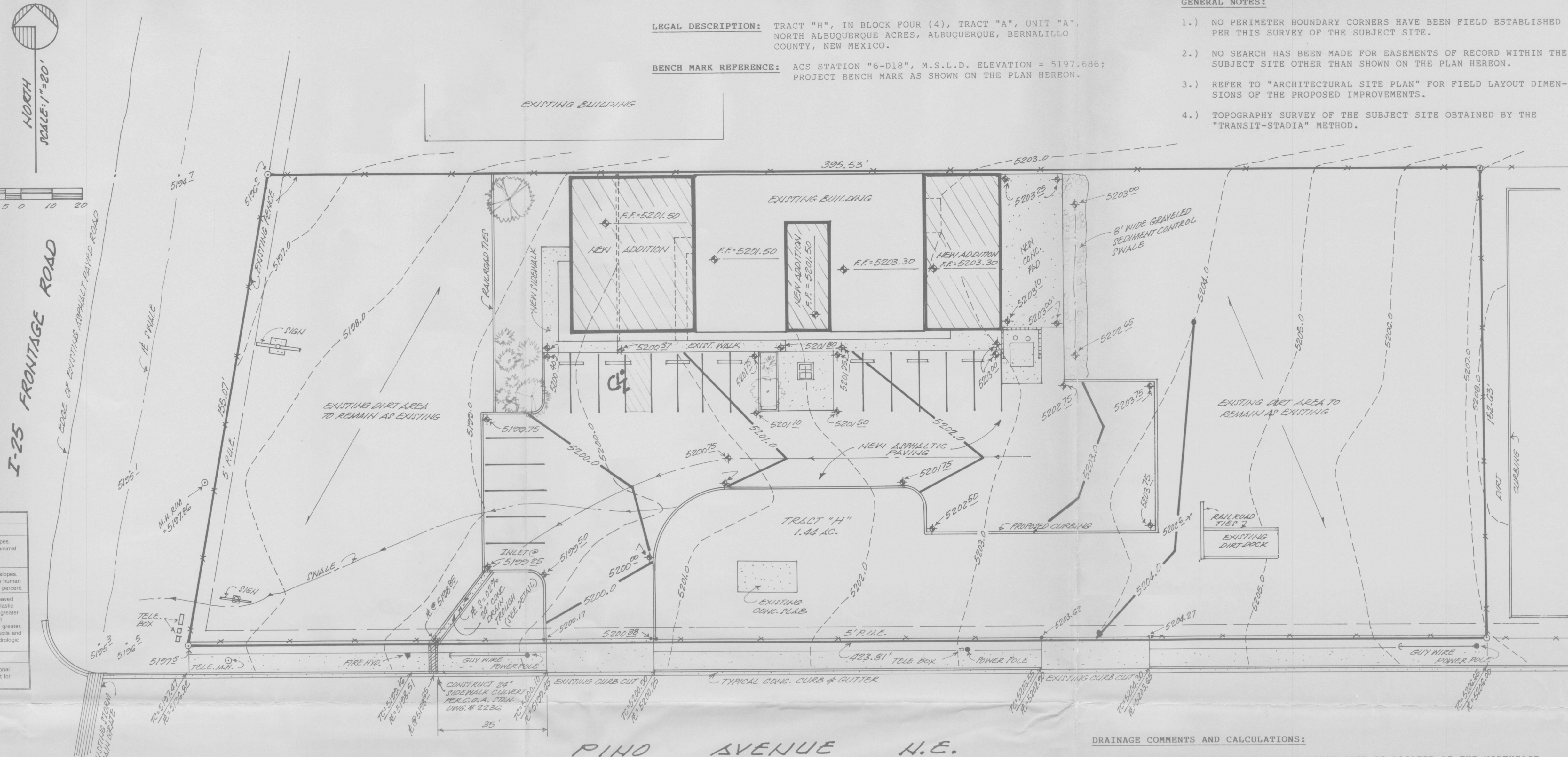
Zone	A	B	C	D
1	1.29 [0.00, 0.24]	2.03 [0.03, 0.78]	2.87 [0.47, 1.49]	4.37 [1.69, 2.89]
2	1.58 [0.00, 0.38]	2.28 [0.08, 0.95]	3.14 [0.60, 1.71]	4.70 [1.86, 3.14]
3	1.87 [0.00, 0.58]	2.80 [0.21, 1.19]	3.45 [0.78, 2.00]	5.02 [2.04, 3.39]
4	2.20 [0.05, 0.87]	2.92 [0.38, 1.45]	3.73 [1.00, 2.28]	5.25 [2.17, 3.57]

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1000 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL 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.

LEGAL DESCRIPTION: TRACT "H", IN BLOCK FOUR (4), TRACT "A", UNIT "A", NORTH ALBUQUERQUE ACRES, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BENCH MARK REFERENCE: ACS STATION "6-D18", M.S.L.D. ELEVATION = 5197.686; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.



NOTICE TO CONTRACTOR:

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PERMIT MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THIS PERMIT.
- 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.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1000 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO MATERIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

APPROVALS	NAME	DATE
INSPECTOR	B. Malys	7/7/95
A.C.E./FIELD		

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.

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.

GENERAL NOTES:

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

DRAINAGE COMMENTS AND CALCULATIONS:

AS SHOWN ON THE PLAN HEREON, THE SUBJECT SITE IS LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF PINO AVENUE N.E. AND INTERSTATE HIGHWAY 25, (EAST FRONTAGE ROAD), IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP NO. "D-18-2").

THE SUBJECT SITE, 1.) IS AN EXISTING PARTIALLY DEVELOPED COMMERCIAL PROPERTY, 2.) DOES NOT LIE WITHIN A DESIGNATED FLOODPLAIN, 3.) DOES NOT AT THE PRESENT TIME ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT AT THE PRESENT TIME, AND WILL NOT, CONTRIBUTE TO OFFSITE FLOWS OF THE ADJACENT PROPERTIES, 5.) PROPOSED FREE-DISCHARGE OF DEVELOPED FLOWS WILL NOT HAVE AN 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, BERNALILLO COUNTY, NEW MEXICO, DATED JANUARY, 1993.

SITE AREA: 1.44 ACRES

PRECIPITATION ZONE: THREE (3)

PEAK INTENSITY: 5.38

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	1.34	X	3.45 = 4.62
D	0.10	X	5.02 = 0.50

"Q_P" = 5.12 CFS

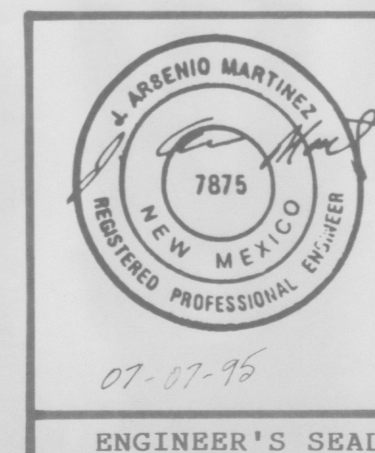
PROPOSED DEVELOPED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.93	X	3.45 = 3.21
D	0.51	X	5.02 = 2.56

"Q_P" = 5.77 CFS

** INCREASE = 0.65 CFS

NOTE: IT IS RECOMMENDED THAT THE OWNER(S) OF THE SUBJECT PROPERTY CONTACT THE NEW MEXICO STATE HIGHWAY DEPARTMENT TO CLEAN AND PROPERLY MAINTAIN THE EXISTING DRAINAGE SWALE THAT LIES IMMEDIATELY WEST OF AND ADJACENT TO THE SUBJECT PROPERTY.



A PROPOSED DRAINAGE PLAN
FOR
DESERT GREEN EQUIPMENT, INC.
5225 PINO AVE. N.E.
ALBUQUERQUE, NEW MEXICO
JULY, 1995

