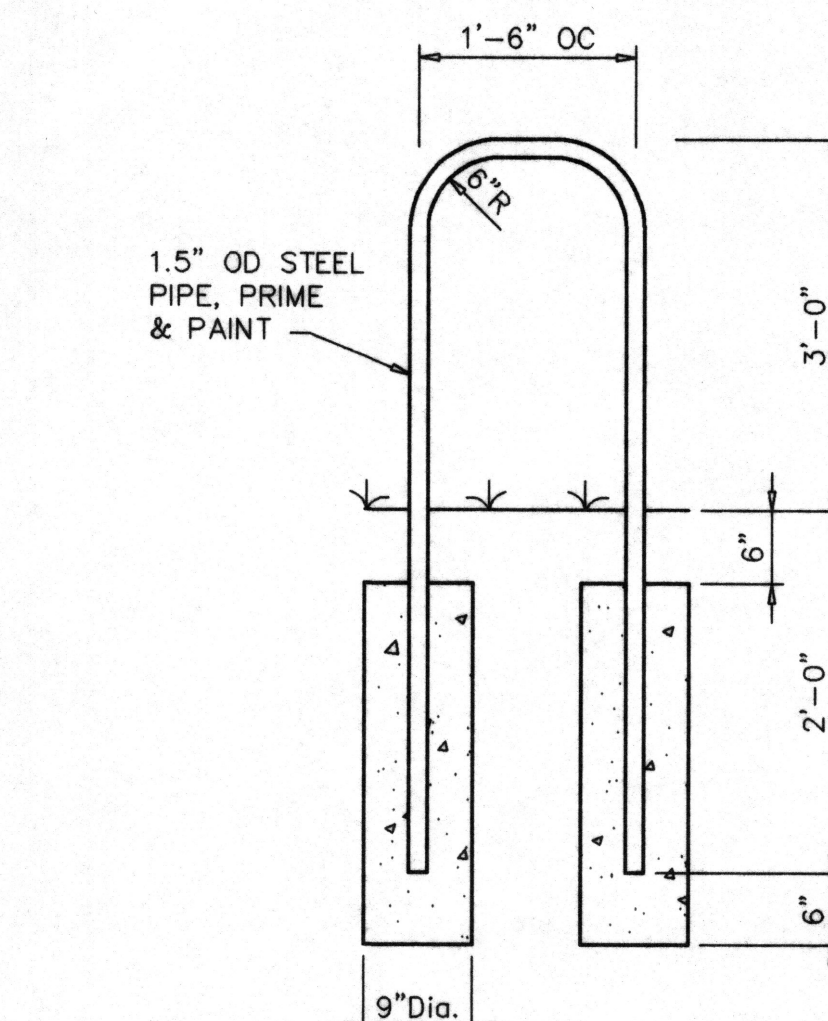
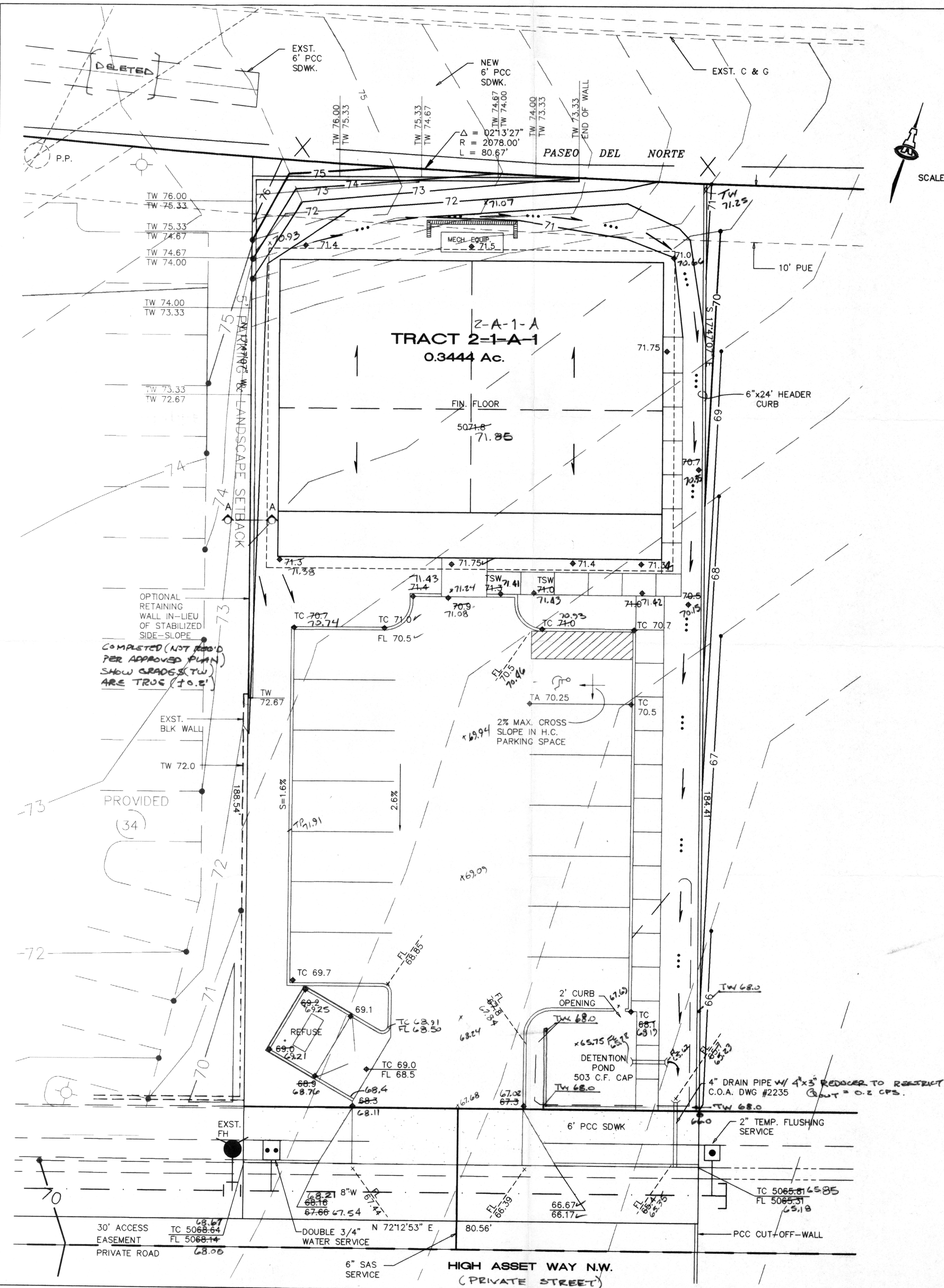
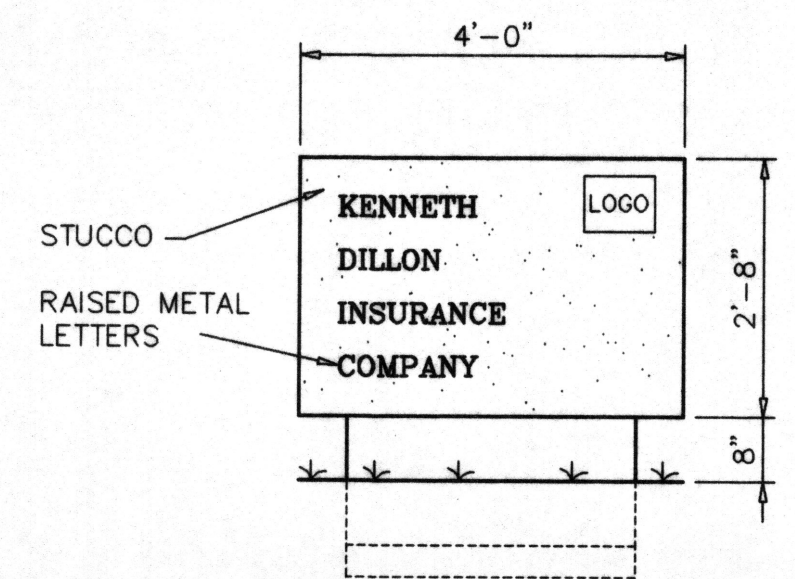




BICYCLE RACK
3/4"=1'-0"



ENTRY SIGN
1/2"=1'-0"

HYDROLOGY

THE SITE FALLS WITHIN PRECIPITATION ZONE NO. 1 ACCORDING TO THE D.P.M. AS SUCH, THE 100-YEAR, 6-HR. STORM VALUE IS 2.20".

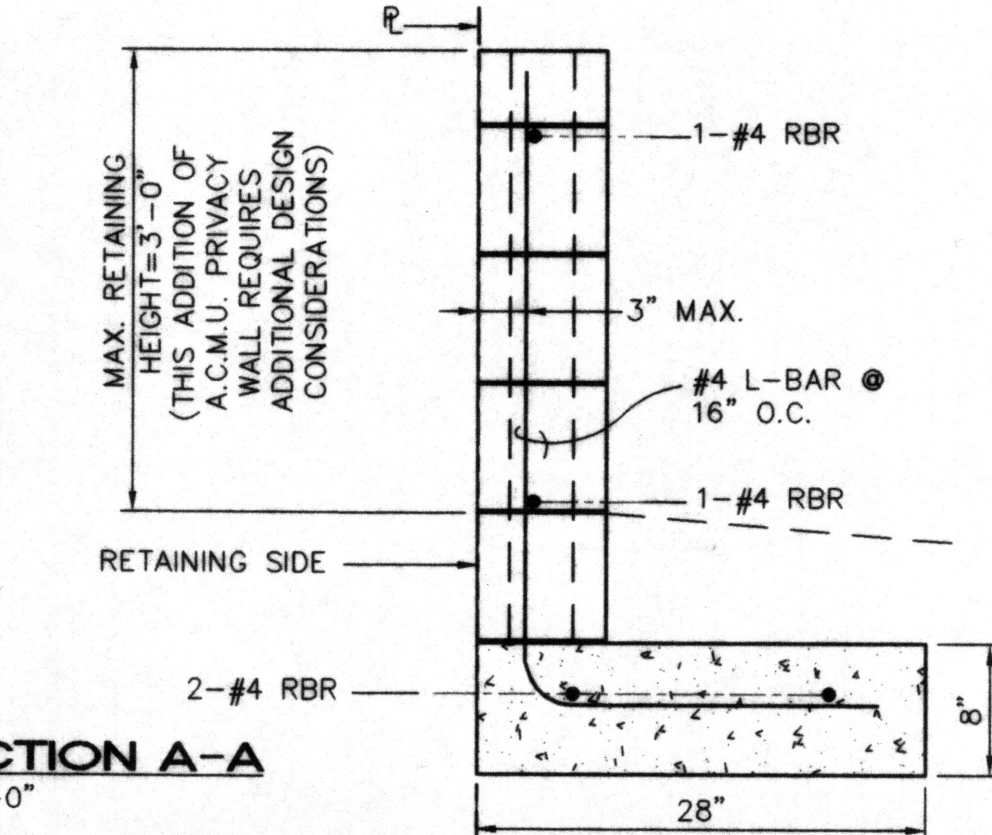
THIS IS A SMALL SITE (0.3444 AC. AND WILL BE ANALYZED AS A SINGLE DRAINAGE BASIN.

LAND TREATMENT	AREA (%)	EXCESS PRECIP.	PEAK DISCHARGE (CFS/A)
B	23	0.67	2.03
C	29	0.99	2.87
D	48	1.97	4.37

- TOTAL $Q_p = 0.16 + 0.29 + 0.72 = 1.17$ CFS
- MAXIMUM ALLOWABLE Q DISCHARGE = 0.54 CFS
- THE STORM WATER VOLUME GENERATED BY RESTRICTING THE OUTFALL TO 0.54 CFS EQUATES TO A STORAGE REQUIREMENT OF 503 CU.FT.

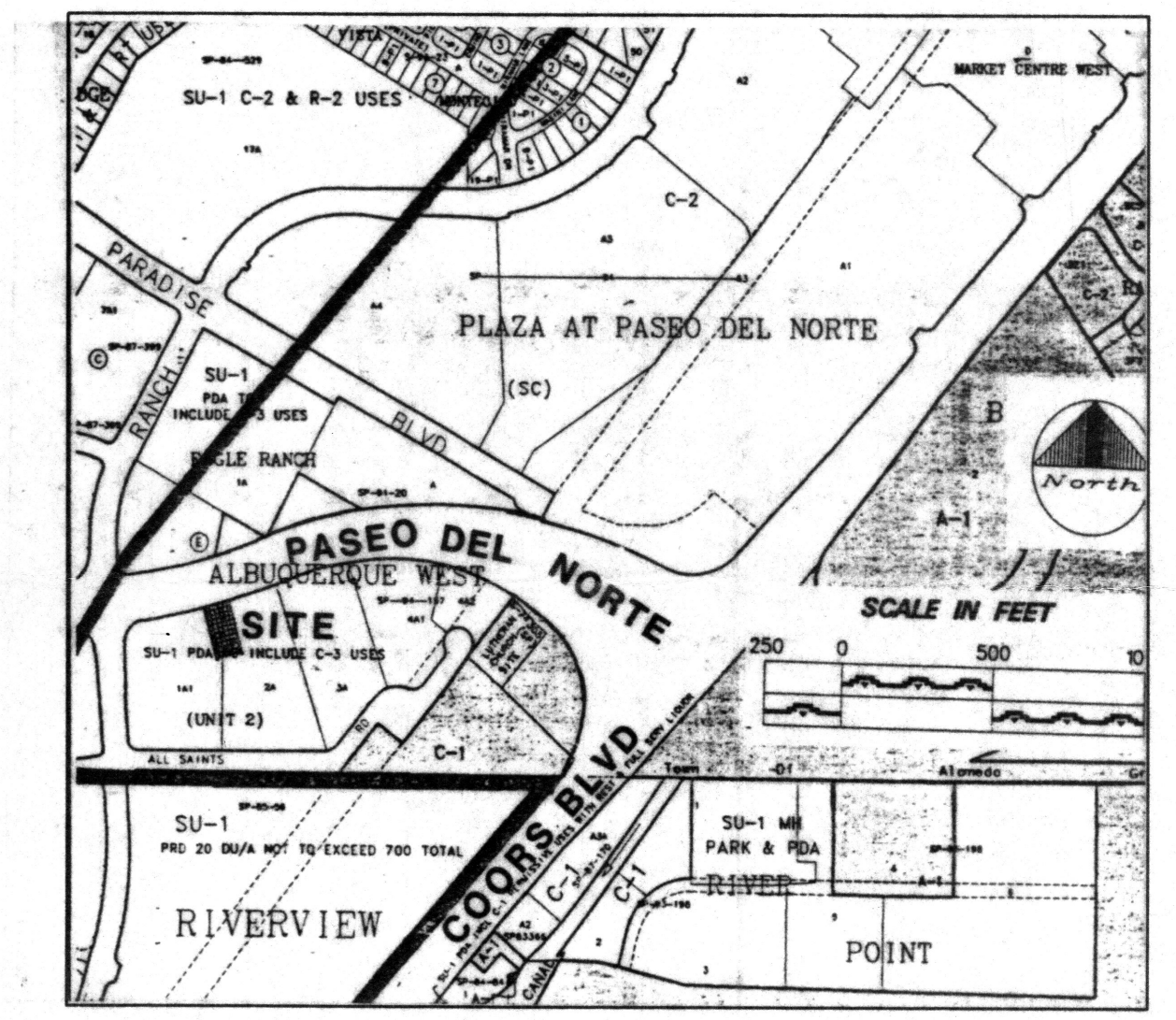
STORM WATER DETENTION

THE REQUIRED DETAINED STORAGE SHALL BE ACCOMPLISHED BY A NEW DETENTION POND INCORPORATED INTO THE SOUTHEAST LANDSCAPED AREA. A 4" DRAIN PIPE SHALL DISCHARGE THE STORM WATERS AT A CONTROLLED RATE OF 0.2 CFS. THIS ALLOWS FOR A DIRECT DISCHARGE OF 0.34 CFS VIA THE DRIVEPAD.



SECTION A-A
1"=1'-0"

GRADING & DRAINAGE PLAN
FOR
A REPLAT OF A PORTION OF
ALBUQUERQUE WEST, UNIT 2
LOT C
ALBUQUERQUE, NEW MEXICO
SEPTEMBER 1995



VICINITY MAP

GENERAL NOTES

LEGAL DESCRIPTION: A PORTION OF LOT 2-A-1, ALBUQUERQUE WEST, UNIT TWO, FILED JUNE 2, 1995, IN VOL. 95C, FOLIO 197.

AREA: 0.3444 AC. (15,000 SQ. FT.)

BENCHMARK: ACS MONUMENT "R ALAMEDA B. NO. 2"
ELEV.: 5058.25

FLOOD HAZARD STATEMENT: AS SHOWN ON PANEL 08 OF THE F.E.M.A. FLOOD INSURANCE RATE MAP, THE SUBJECT SITE IS NOT WITHIN A DESIGNATED FLOOD HAZARD AREA.

DRAINAGE MASTERPLAN: SITE IS SUBJECT TO THE STORM DRAINAGE RUNOFF CRITERIA AS ESTABLISHED BY THE MASTER DRAINAGE PLAN FOR THE REPLAT OF ALBUQUERQUE WEST, UNIT TWO, DATED MARCH 9, 1995, AND FOUND IN THE RECORDS OF THE CITY HYDROLOGY DIVISION, P.W.D. IN FILE C-13/D-16.

MASTER PLAN PROJECTED DEVELOPED Q = 1.28 CFS

MAXIMUM ALLOWABLE DISCHARGE RATE Q = 0.54 CFS

ENGINEER'S CERTIFICATION

I, Fred C. Arfman, licensed under the laws of the State of New Mexico, do hereby certify that this project was constructed in substantial compliance with those grades and improvements shown on the approved plan for the Dillon State Farm Insurance on file with the Hydrology Division, P.W.D., City of Albuquerque (C-13/D16B) as field verified by Hall Surveying on February 10, 1997 in accordance with the "New Mexico Engineering and Surveying Act", Section 61-23-1 through 61-23-32 NMSD (1978).
Easterly perimeter wall was required on the approved Final Grading Plan, dated September 12, 1996 and was constructed as part of the Dillon State Farm Insurance Grading Plan as approved on September 16, 1996. An additional retaining wall was added along the westerly and west-half of the northerly property boundaries.

Fred C. Arfman
Fred C. Arfman, NMPE No. 7322
02-21-97
Date

FRED C. ARFMAN
STATE OF NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street, N.E.
Albuquerque, New Mexico

854GRD.DWG.mxd
10/24/95

SHEET 2 OF 2