HYDROLOGY

F22\D11A2
1 PLAN

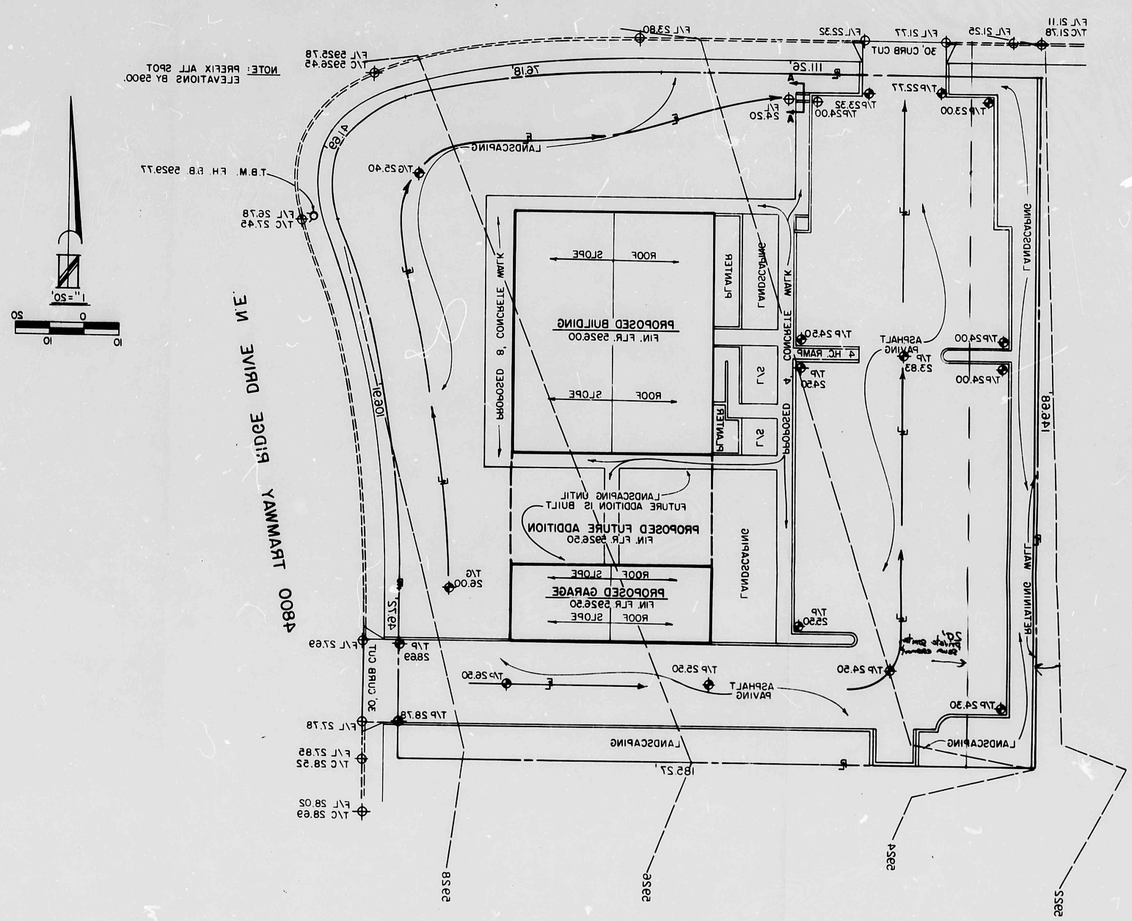
F 997/DIIAZ

1 PIAN

# DRAINAGE PLAN

## LOT 7 - TRAMWAY RIDGE
## ALBUQUERQUE, NEW MEXICO

ZONE MAP F-22 BENCHMARK I-F22 ELEV. 5957.02
FLOOD MAP 25 SOIL TYPE "B" TOTAL AREA = 37,422 S.F. = 0.8591 AC.
TOTAL AREA ROOFED & PAVED = 27,460 S.F. = 73%
REFERENCE: F22 / DIIA
FILE # F22/D APPROVED _____



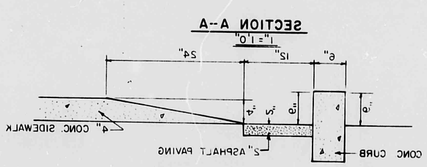

## HYDROLOGY

OFF-SITE DRAINAGE: NONE, DUE TO CURBS AND GRADING
ON-SITE DRAINAGE: EXISTING Cw = 0.40 & Qw = 0.86 x 5.86 x 0.40 = 2.0 C.F.S.
% IMPERVIOUS = 0% & Cn = 59 ∴ DIRECT RUNOFF = 0.40" &
VOLUME = 0.40 / 12 x 37,422 S.F. = 1247 CU. FT
PROPOSED Cp = 5961 S.F. x 0.25 = 2490
18,601 S.F. x 0.95 = 17,671
8860 S.F. x 0.90 = 7974
Qp = 0.86 x 5.86 x 0.75 = 3.78 C.F.S.
% IMPERVIOUS = 73% & Cn = 88 ∴ DIRECT RUNOFF = 1.30" &
VOLUME = 1.3 / 12 x 37,422 S.F. = 4,034 CU. FT
FREE DISCHARGE IS PROPOSED, ACCORDING TO APPROVED DRAINAGE PLAN & REPORT F22 / DIIA.

## EROSION CONTROL NOTES:

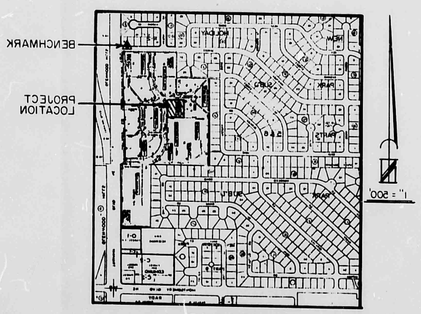
THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

1. NO SEDIMENT BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED ALL ADJACENT PROPERTY, RIGHTS OF WAY, AND EASEMENTS, SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT OF WAY SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT LADEN WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. THE BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.




## LEGEND

- PROPERTY LINE
- EXISTING CONTOURS — 4996
- PROPOSED CONTOURS — 4997
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- FLOW DIRECTION




VICINITY MAP
ZONE MAP F-22

RECEIVED
JUN 1 0 1987
HYDROLOGY SECTION

6/10/87

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|---|---|
| LOGAN / GROSS & ASSOCIATES, INC. Consulting Civil Engineers 823 6th St. NW Suite 3 243-8333 Albuquerque, New Mexico 87102 | |
| DRAINAGE PLAN | FILE # H-269 |
| FOR: CORTEZ III SERVICE | DATE 6-12-87 |
| AT: 12500 TRAMWAY KNOLL, N.E. | DRAWN CLB |
| ALBUQUERQUE, NM | SHEET 1 OF 1 |