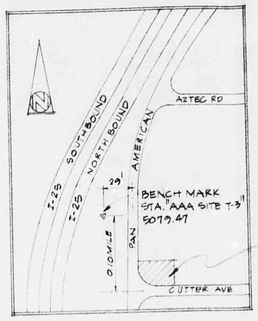
HYDROLOGY

G15/D8
ONE PLANS

G15-D8

1 PLAN



VICINITY MAP
NO SCALE

DRAINAGE PLAN

The following items concerning the White Cloud, Inc. Addition Drainage Plan are contained hereon:

1. Vicinity Map
2. Flood Hazard Information
3. Grading Plan
4. Calculations

The proposed building is located at the northeast corner of the Cutter Avenue and Pan American Freeway intersection on the east side of I-25. The building will be used as office space and shop area.

The project site is bordered on the south by Cutter Ave. and on the west by Pan American Freeway. The site topography falls in a westerly direction at approximately a 2% slope. The project (1) does not lie in a flood plain, (2) does not lie adjacent to a natural or articial water course and, (3) has no drainage easements on the property.

The site is to be graded so that the finished floor ele tion matches that of the existing structure (5081.62). The water that falls on the building will be conveyed through a gutter system to finished grade thence through swale to the west edge of the property into the bar ditch along the frontage road.

CALCULATIONS

Area of Paving: 1200 square feet

Area of Structure: 1700 square feet

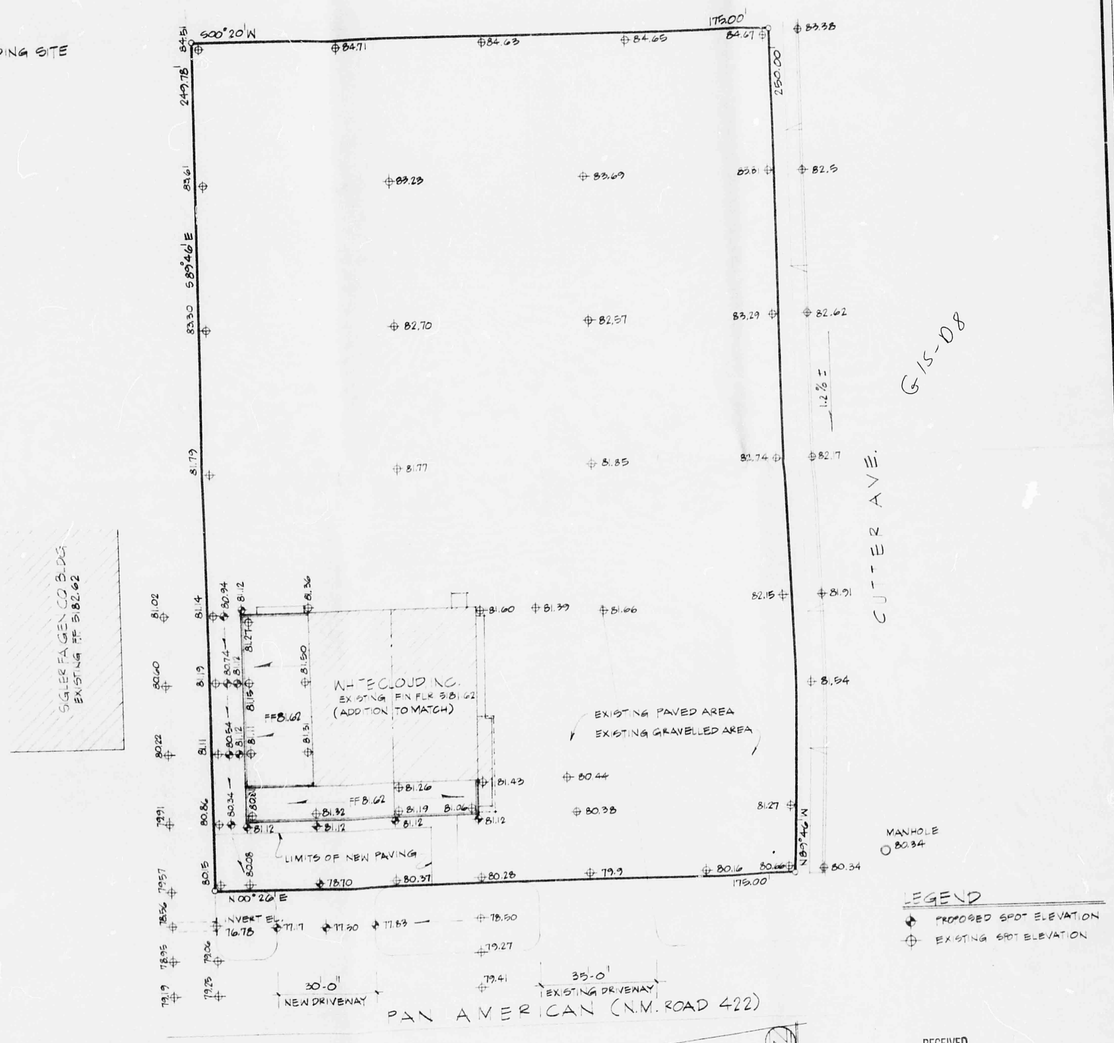
Undeveloped Runoff: $Q = CIA = 0.45\ (5.4)\ \frac{2900}{43560} = 0.145$ cfs

Developed Runoff: $Q = CIA = 0.95\ (5.4)\ (0.067) = 0.344$ cfs

Developed Volume: $V = .95\ \frac{(2.5)}{12}\ (2900) = 573.04$ cu.ft.

FLOOD HAZARD INFORMATION

Map G-15 of the Master Drainage Study indicates that the site is not in a flood hazard area.



GRADING PLAN
SCALE: 1" = 20'-0"

G15-D8

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FEB 22 1982
ENGINEERING
G15/D8

DURA BILT PRODUCTS, INC.
GENERAL CONTRACTORS LICENSE NO. 3044
4808 JEFFERSON NE PH 883-9100 ALBUQUERQUE NM 87109

DRAINAGE & GRADING

ADDITION
WHITE CLOUD, INC.
3200 PAN AMERICAN

DATE: 22 FEB 1982
JOB NO. 81-141
SHEET NO.
OF

BRUNING 40-22