HYDROLOGY K21/D18 1 PLAN

K21/D18

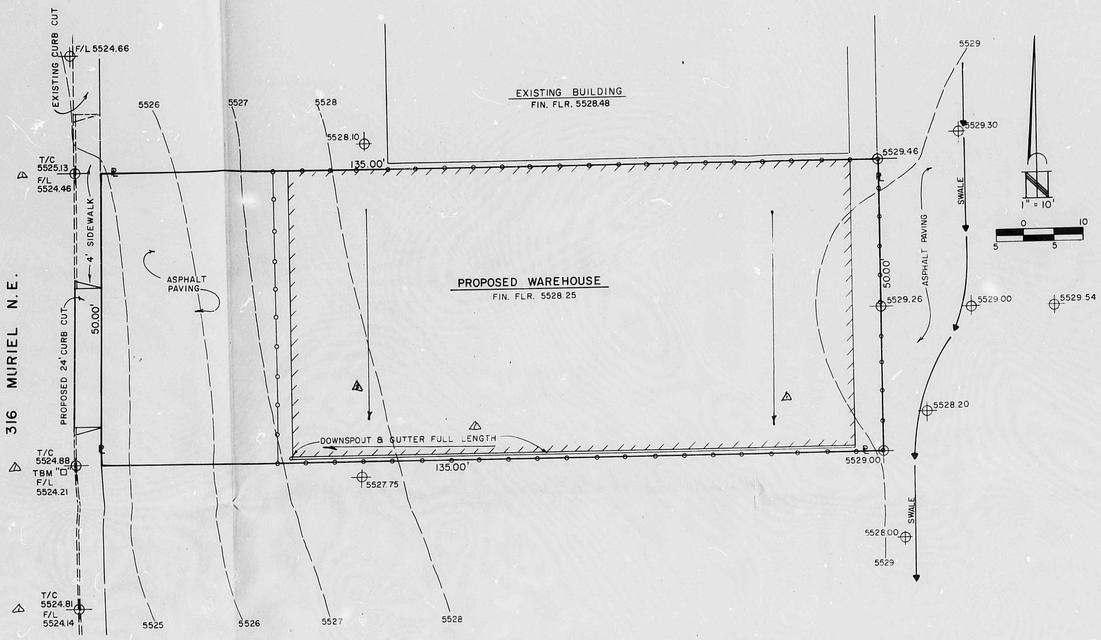
1 Plan

D 24 C 20 B 16 A 12 | CITY OF ALBUQUERQUE C D

DRAINAGE PLAN

LOT 5, BLOCK 19
EAST CENTRAL BUSINESS ADDITION
ALBUQUERQUE, N.M.

FLOOD MAP , BENCHMARK 9-K21, ELEV. 5530.10, SOIL TYPE "B"
TOTAL AREA = 6750.00 SQ. FT. = 0.154 ACRES
TOTAL AREA ROOFED OR PAVED = 6413 SQ. FT. = 95%
FILE # K21/D18 , APPROVED



HYDROLOGY

OFF-SITE FLOW: NONE, DUE TO EXISTING PAVED SWALES TO THE EAST.

ON-SITE FLOW: "UNDEVELOPED" C = 0.50, I = 2.15 x 2.45 Q_{100U} = 0.50 x 5.27 x 0.154 = 0.41 C.F.S.

UNDEVELOPED VOLUME: BY CN = 80 V_U = 6750 S.F. x 0.90" = 506 CU. FT.

DEVELOPED C = 0.92, Q_{100U} = 0.92 x 5.27 x 0.154 = 0.75 C.F.S

DEVELOPED VOLUME: BY CN = 98 V_D = 6750 S.F. x 2.4" = 1350 CU. FT.

RECOMMENDATION: DUE TO MINIMAL AMOUNTS OF FLOW, AND BECAUSE THIS SITE HAD BEEN PARTIALLY DEVELOPED PREVIOUS TO PRESENT REQUIREMENTS, IT IS REQUESTED THAT FREE DISCHARGE FROM THE SITE BE ALLOWED.

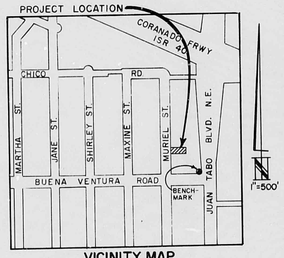
EROSION CONTROL NOTES

THE CONTRACTOR SHALL 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 AND COMPLETELY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT-LADEN FLOOD WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.

LEGEND

PROPERTY LINE
EXISTING CONTOUR 5000
PROPOSED CONTOUR 5000
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
FLOW DIRECTION
EXISTING CHAIN LINK FENCE



VICINITY MAP
ZONE MAP K-21-Z

RECEIVED
AUG 08 1986
HYDROLOGY SECTION

DUANE LEE LOGAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
7-25-86

△ REVISED 8/7/86

LOGAN/GROSS & ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS
925 6TH ST. N.W. SUITE 3 243-6353
ALBUQUERQUE, NEW MEXICO 87102

DRAINAGE PLAN	FILE # H-100
FOR STEVE SANCHEZ	DATE JULY, 1986
AT 316 MURIEL N.E.	DRAWN C.B.
ALBUQUERQUE, NM	SHEET 1 OF 1

CITY OF ALBUQUERQUE
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D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D