HYDROLOGY

K11/D24

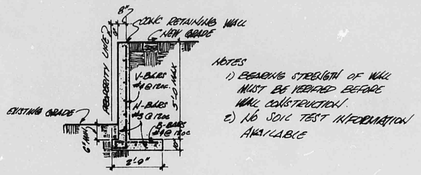
ONE PLAN

I PLAN FOR

RON PAIZ EIGHT PLEX

K11-D24

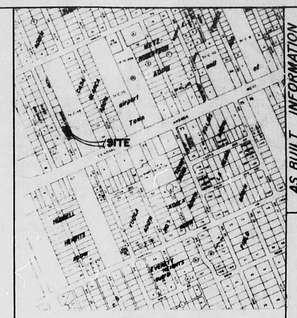
AF 22440A



NOTES
1) ENGINEERING STRENGTH OF WALL MUST BE VERIFIED BEFORE WALL CONSTRUCTION.
2) NO SOIL TEST INFORMATION AVAILABLE

TYPICAL RETAINING WALL SECTION

- NO SCALE -



VICINITY MAP

K-11

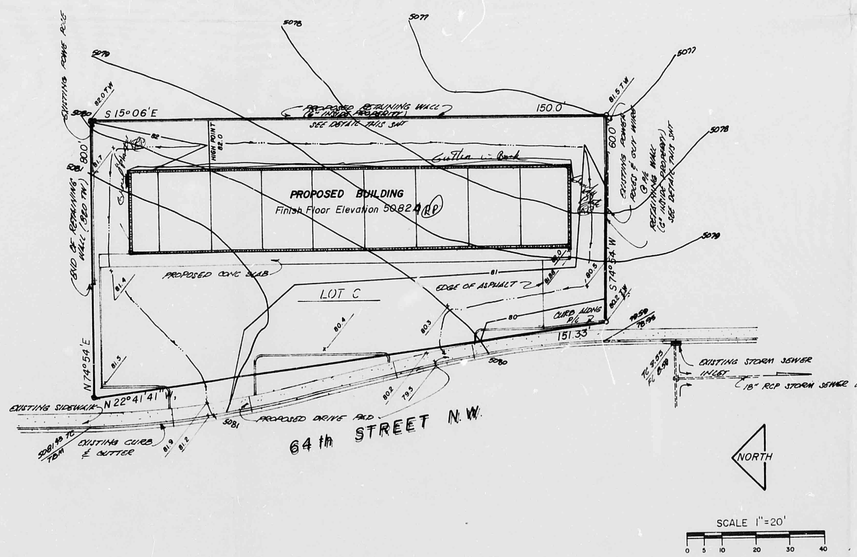
GRADING AND DRAINAGE PLAN

DRAINAGE CALCULATIONS

EXISTING CONDITIONS: VACANT LOT WITH EXISTING CURB AND GUTTER AND SIDEWALK.
AREA 10500 sq.ft. SCS SOIL "MMZL" TYPE "B"
"C" FACTOR 0.34 USE T_c = 10 MIN. INTENSITY = 5.4"/hr.
Q = .34 x 5.4 x 10,500/43560 = 0.44 CFS

DEVELOPED CONDITIONS: LAND MUST BE FILLED TO DRAIN TO STREET. NO PONDING IS REQUIRED SINCE THE 1.4 RUNOFF WILL GO DIRECTLY INTO A STORM DRAIN 19' SOUTH OF THE PROPERTY. NO DOWNSTREAM FLOODING WILL OCCURE AS A RESULT OF THIS CONSTRUCTION.

NEW BUILDING AREA = 3,225 sq.ft. NEW PAVING AREA = 3,575 sq.ft.
NEW SIDE WALK AREA = 545 sq.ft.
TOTAL IMPERVIOUS AREA = 7,345 sq.ft.
PER CENT IMPERVIOUS = 70% DEVELOPED "C" FACTOR = 0.69
Q = 0.69 x 5.4 x 10,500/43,560 = 0.90 CFS
RUNOFF VOLUME = 2.2"/12 x 10,500 sq.ft. = 1,925 cu.ft.
18" STORM DRAIN FLOWS INTO 30" STORM DRAIN IN CENTRAL AVE.
PITCH ROOF, NO RAIN GUTTER PROVIDED.



THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

RECEIVED OCT 14 1983 HYDROLOGY SECTION

LEGEND

EXISTING CONTOUR LINE — 5077
DESIGN CONTOUR LINE — 82
FLOW LINE (SWALE) →
SPOT ELEVATION (DESIGNED) 80.0
EXISTING SPOT ELEVATION 79.59

APPROVED FOR DRAINAGE
10/14/83
DATE
SIGNATURE TITLE
ADVISE DRANAGE INSPECTOR WHEN GRADING EXECUTED

HALL ENGINEERING
2625 Pennsylvania Ave., N.E.
Suite 350
Albuquerque, New Mexico 87110

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
AN NGS 5-K11, REFERENCE SCALED (NGS 1929)
COLLATION: INTERSECTION OF 66th STREET, NW AND MENAUL RD., NW
PROCEDURE: "X" CUT ON FIE BOLT
BOLT OF FIRE HYDRANT

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
FRANK D. HALL
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RICHARD HALL DATE SEPT 7, 1983
DRAWN BY HASHALL WOOD DATE SEPT 7, 1983
CHECKED BY RICHARD HALL DATE SEPT 7, 1983

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
RON PAIZ EIGHT PLEX

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. | MAP NO. | SHEET OF

K11 / D24