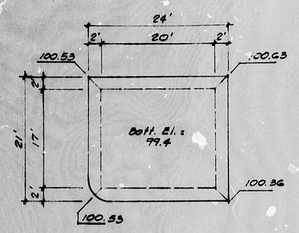
HYDROLOGY

K18/D6

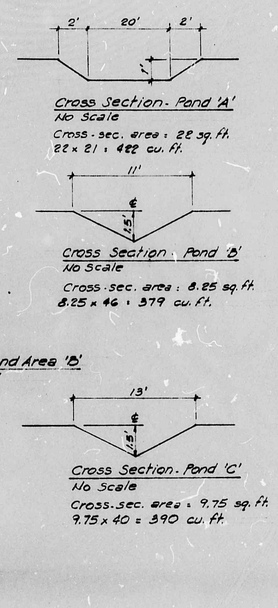
2 PLANS
NO DOCUMENTS

DRAINAGE CALCULATIONS

5500 Coal Ave. S.E.



Plan - Pond Area 'A'
1" = 10'-0"



Plan - Pond Area 'C'
1" = 10'-0"

Cross Section - Pond 'A'
No Scale
Cross-sec. area = 22 sq. ft.
22 x 21 = 462 cu. ft.

Cross Section - Pond 'B'
No Scale
Cross-sec. area = 8.25 sq. ft.
8.25 x 46 = 379 cu. ft.

Plan - Pond Area 'B'
1" = 10'-0"

Cross Section - Pond 'C'
No Scale
Cross-sec. area = 9.75 sq. ft.
9.75 x 40 = 390 cu. ft.

100 Yr. Storm - 2" (.1667')

EXISTING CONDITIONS:

Total area of tract - 13,180 Sq. ft.
(area calculated to exist. sidewalks)

Unpaved area (exposed earth) - slope .005
Runoff factor = .35

13,180 x .35 x .1667 = 768 cu.ft. runoff

PROPOSED CONDITIONS

(1.) Area of Building = 5,784 Sq. ft.
Paving, ramp & dock = 3,808 " "

Total impervious area = 9,592 Sq. ft. (95% runoff)

9592 x .95 x .1667 = 1519 cu. ft. runoff

(2.) Unpaved Area not ponded - 1821 sq. ft. (35% runoff)
1821 x .35 x .1667 = 106.24 cu. ft. runoff

(3.) Unpaved Area - used for ponding
1767 sq. ft. (85% runoff - 15% absorbed)
1767 x .85 x .1667 = 250.37 cu. ft. runoff

1519 + 106.24 + 250.37 = 1875.61 cu. ft. runoff
1875.61 - 768 = 1107.61 cu. ft. runoff

Pond Area 'A' - 462 cu. ft.
Pond Area 'B' - 379 cu. ft.
Pond Area 'C' - 390 cu. ft.

Total Ponding Area - 1191 cu. ft.

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

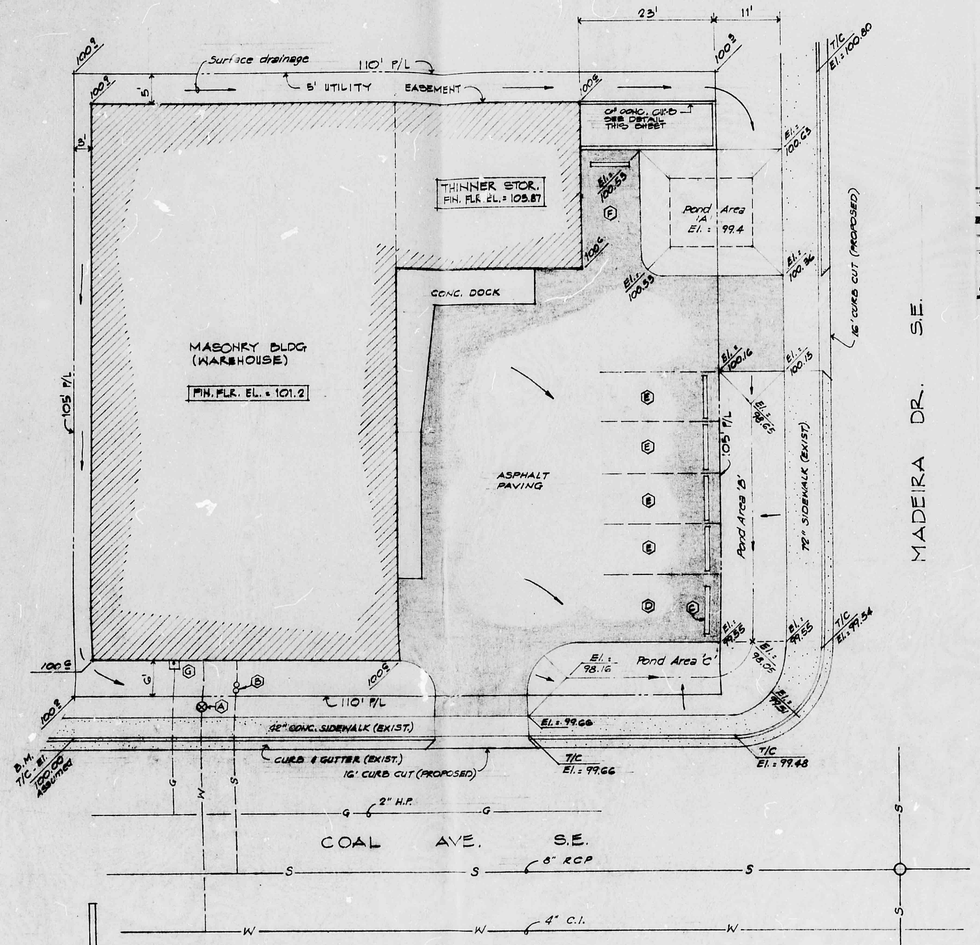
K18/D6

2 PLANS

NO Documents

CITY OF ALBUQUERQUE

C



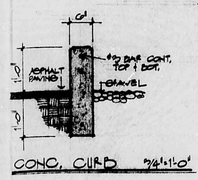
MADEIRA DR. S.E.

SITE PLAN SCALE: 1" = 10'-0"

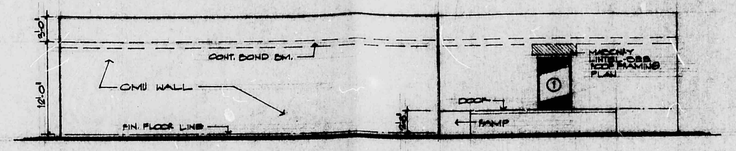
ADDRESS: 5500 COAL AVE. S.E.
LEGAL DESCRIPTION:
LOTS 1 & 2 - BLOCK G
EVANS ADDITION
ALBUQUERQUE, NEW MEXICO

LEGEND

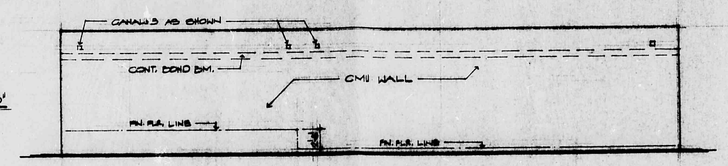
- (A) WATER METER PER CITY OF ALBUQUERQUE SPEC'S
- (B) DOUBLE CLEAN-OUT
- (C) CONC. BUMPER CURB - TYP. OF 6
- (D) 12' x 20' PARKING SPACE
- (E) 8.5' x 20'
- (F) 10' x 20'
- (G) GAS METER PER GAS CO. OF N.M.



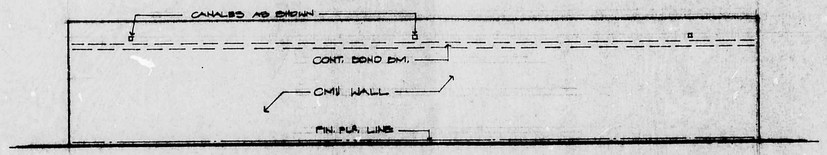
CONC. CURB 3/4" = 1'-0"



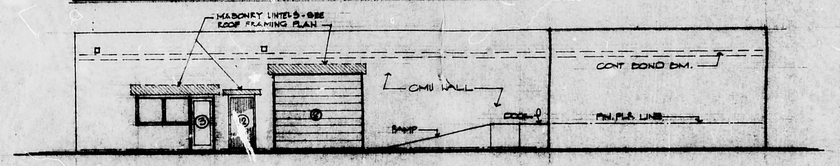
FRONT ELEVATION 1/8" = 1'-0"



REAR ELEVATION 1/8" = 1'-0"



LEFT SIDE ELEVATION 1/8" = 1'-0"



RIGHT SIDE ELEVATION 1/8" = 1'-0"

DESIGN DATA:	
DESIGN SOIL BEARING	2000 PSF MAX.
CONCRETE f'c	3000 PSI MIN. @ 28 DAYS
REINFORCING STEEL	60,000 PSI (ASTM A615, GRADE 60)
SEISMIC ZONE	2
DESIGN ROOF LOAD	30 PSF
DESIGN FLOOR LOAD	100 LIVE LOAD, 25 DEAD LOAD
DESIGN WIND LOAD	25 PSF (100 MPH)
OCCUPANCY	TYPE H-2
CONSTRUCTION	TYPE II F.R.
ZONING	C-3
FIRE ZONE	2

PARKING CRITERIA:

GROSS AREA OF BUILDING — 5896 SQ.FT.
OFFICE, ORDER RM.
REST RMS, HALLS — 720 SQ. FT. - 3 SPACES
WAREHOUSE & STOR. - 5106 " " 2 SPACES
REQUIRED - 5 PARKING SPACES
AVAILABLE - 6 " "

ROBERT F. ARMSTRONG
ARCHITECT A.I.A.
6001 MARBLE AVE. N.E. - SUITE 9
ALBUQUERQUE, NEW MEXICO

No	REVISIONS	DATE

AUTOMOTIVE PAINT SUPPLY WAREHOUSE

SITE PLAN
ELEVATIONS

SHEET 1 OF 5
DRAWN: K.&J.
DATE: 2-77

CITY OF ALBUQUERQUE
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CITY OF ALBUQUERQUE

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