HYDROLOGY

H18/D20
2 PLANS

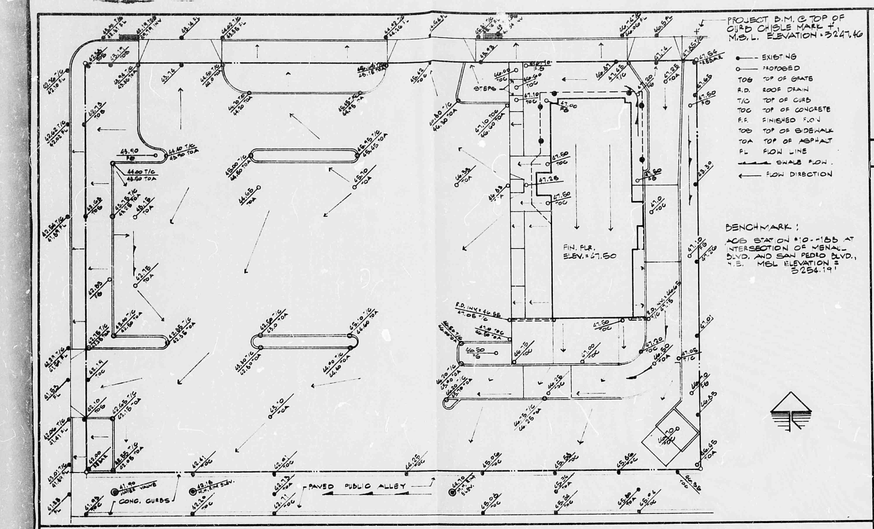
H18/D20

2 Plans

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D



GRADING PLAN 1"=20'-0"

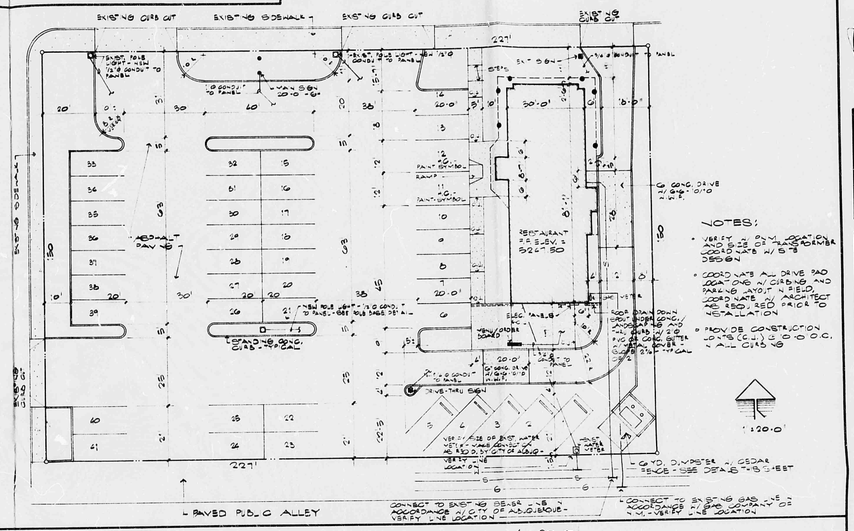
CONSTRUCTION TYPE: V-N
OCCUPANCY GROUP: A-3
PROPERTY ZONED: C-2
SEISMIC ZONE: 2
SQUARE FOOTAGE: 2,400 G.S.F.

OCCUPANT LOAD
DINING: 168 W/BAND BAR
KITCHEN: 15
15

PROVIDED 38 PARKING SPACES
PROVIDED 2 HAND CAPPED PARKING SPACES

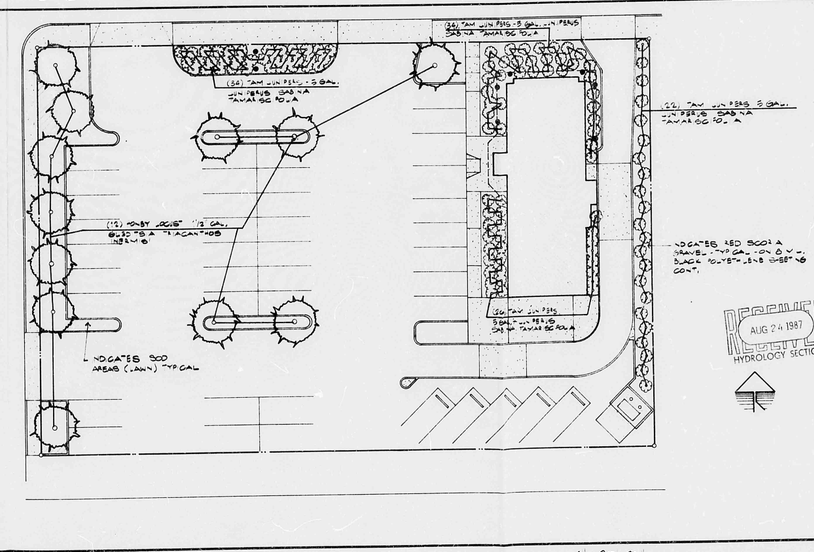
DESIGN CRITERIA

NOTE:
DEMOLITION OF EXISTING STRUCTURES SHALL BE COMPLETE NO LATER THAN BY OWNER AND AS REQ'D. FOR CODE COMPLIANCE FOR NEW STRUCTURE AND PARKING LOCATED IN SEGMENTS POSITIONS OF 6-9 AS REQ'D. TO COMPLY WITH DRAINAGE DEPT.



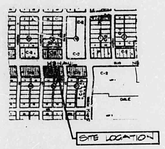
NOTES:
* VERIFY ALL DIMENSIONS AND SITE DATA W/ ARCHITECT BEFORE DESIGN
* CONCRETE AND DRIVE PAD DEMOLITION W/ CURBING AND PARKING AREA TO BE REMOVED. CONCRETE W/ ARCHITECT AS REQ'D. REQ'D PRIOR TO INSTALLATION
* PROVIDE CONSTRUCTION JOINTS (C.J.) @ 10'-0" O.C. IN ALL CURBING

SITE PLAN 1"=20'-0"



RECEIVED AUG 24 1987 HYDROLOGY SECTION

LANDSCAPING PLAN 1"=20'-0"



PROJECT LOCATION

DRAINAGE SUMMARY

References :

A. City of Albuquerque Development Process Manual (DPM) Volume 2, Design Criteria, Chapter 22, Drainage, Flood Control and Erosion Control.

B. Soil Survey of Bernalillo County, New Mexico, United States Department of Agriculture, Soil Conservation Service.

General Information :

A. Soil Type (Ref. B., Page 41) is Tab, Tijeras gravelly fine sandy loam, 1 to 3 percent slopes. Runoff is moderate, Permeability is Rapid, and the Hazard of water Erosion is Moderate.

B. Provisionsmet :

SURFACE TYPE	AREA SIZE SQ. FT.	ACRES	"C" VALUES INIT.	WT. AVG.
ENTIRE SITE: EXISTING				
ROOF	2406	0.072	0.99	0.090
ASPHALT & SIDEWALK	30313	0.696	0.95	0.842
LANDSCAPE	331	0.008	0.25	0.002
UNDEVELOPED	0	0.000	0.16	0.000
TOTALS:	34050	0.782		0.935
ENTIRE SITE: PROPOSED				
ROOF	2406	0.057	0.99	0.055
ASPHALT & SIDEWALK	28318	0.650	0.95	0.739
LANDSCAPE	3326	0.075	0.25	0.021
UNDEVELOPED	0	0.000	0.16	0.000
TOTALS:	34050	0.782		0.815

RAINFALL: 100 YEAR, 6-HOUR, P-6: (SEE REF. A., PLATE 22.2 D-1) RAINFALL = 2.2 inches

TIME OF CONCENTRATION, Tc: USE THE MINIMUM TIME OF CONCENTRATION OF TEN (10) MINUTES.

RAINFALL INTENSITY, I: (SEE REF. A., PLATE 22.2 D-2)

$R-6 = 2.2" \times I = 2.3" \times 6.84 \times (Tc)^{-(-0.51)}$

$R-6 = 2.2" \times 6.84 \times (10)^{-(-0.51)} = 4.63$ IN/HR

PEAK DISCHARGE:

EXISTING CONDITIONS:

FLOW: Q(100) = 4.538 X 4.63 X 0.782 ac = 2.41 cfs
Q(10) = 2.26 cfs
VOLUME: (SCS METHOD): CN = 98, Tp = 10 min, R = 2.0 in
V(100) = 3575 cf, V(10) = 2788 cf

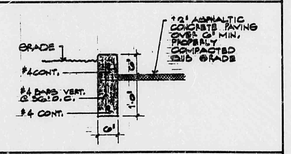
PROPOSED CONDITIONS: (USE RATIONAL EQUATION)

FLOW: Q(100) = 4.538 X 4.63 X 0.782 ac = 3.29 cfs
Q(10) = 2.18 cfs
VOLUME: (SCS METHOD): CN = 98, Tp = 10 min, R = 2.0 in
V(100) = 3575 cf, V(10) = 2788 cf

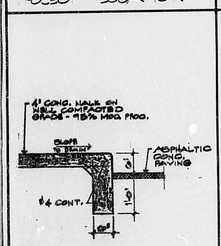
DRAINAGE INFORMATION

Lots Three (3) through Ten (10) inclusive and the west 5.5 feet of Lot Two (2) in Block One Hundred Two (102) of plat of Blocks 101 to 116, BEL AIR, a subdivision to the City of Albuquerque, as shown and designated on the map of said subdivision filed in the office of the County Clerk of Bernalillo County, New Mexico, on June 12, 1947.

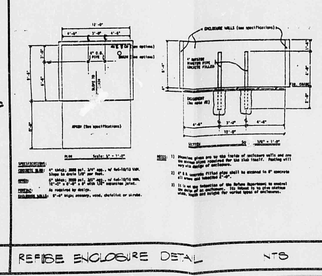
LEGAL DESCRIPTION

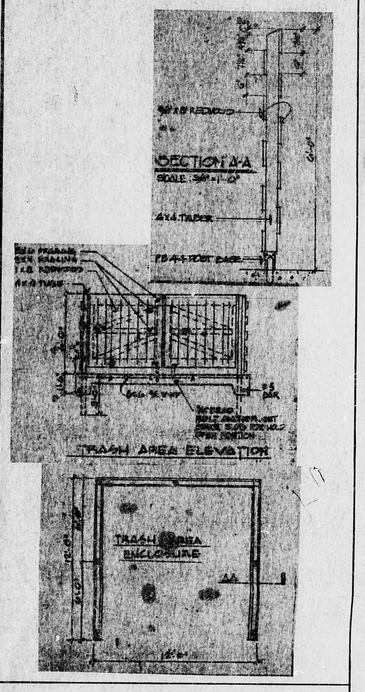


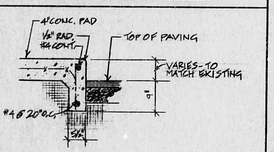
STANDING CURB



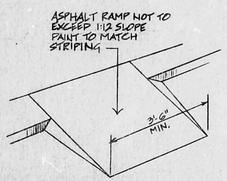
MONOLITHIC SIDEWALK


ENCLOSURE WALLS (See specifications)
(Per Specifications)
(Per Specifications)
(Per Specifications)
(See #8)
(See #8)
(See #8



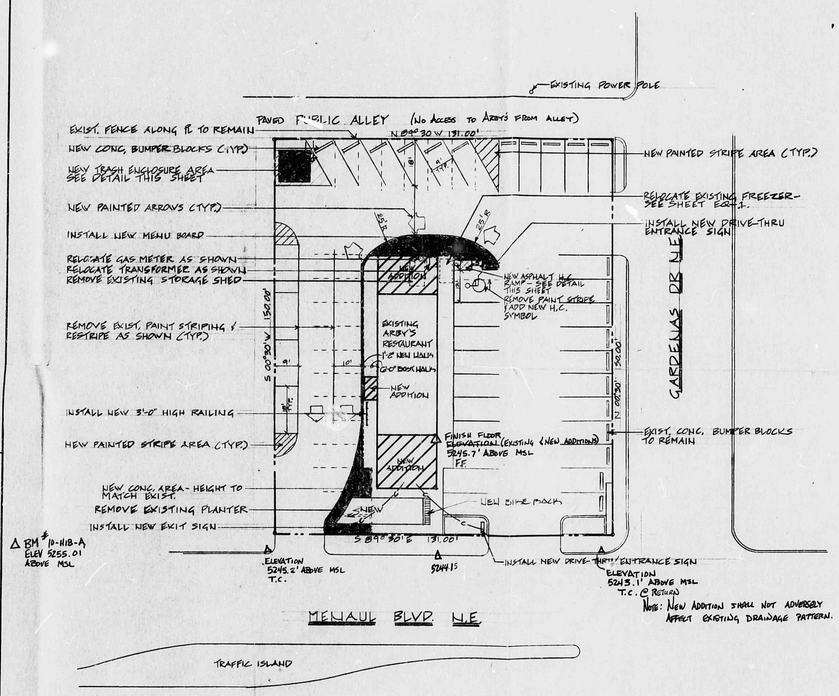


SECTION-NEW CONC. AREAS @ CURBS



RAMP TO MEET ALL GOVERNING HANDICAP CODES

TYPICAL HANDICAP RAMP



SITE PLAN

SCALE: 1" = 20'-0"

NORTH

FOR HYDROLOGY SECTION

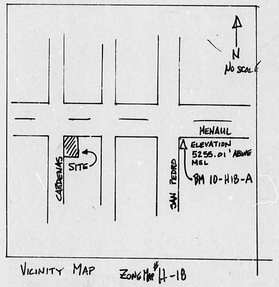
LEGEND

NEW CONC. AREAS

—C— UNDERGROUND CONDUIT

GENERAL NOTES

- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS & APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL CONTRACTOR HAS RECIEVED & THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY THE PERMITTING AUTHORITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS AND/OR EASEMENTS BEFORE BEGINNING CONSTRUCTION.
- NEW CONSTRUCTION TO MEET ALL LOCAL CODES OR REQUIREMENTS.



VICINITY MAP ZONE MAP #H-18

PROJECT LOCATION:
5800 MENAUL BLVD. @ GARDENIAS DR.
ALBUQUERQUE, N.M.

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james m. hamill architect
p.o. box 4225 irving, texas 75062 (214)255-6419

REVISIONS:
10-11-80 BIKE RACK

DATE: 2-10-80

DRAWN BY: RP

SHEET NO. A-1

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D