HYDROLOGY

F15/D6

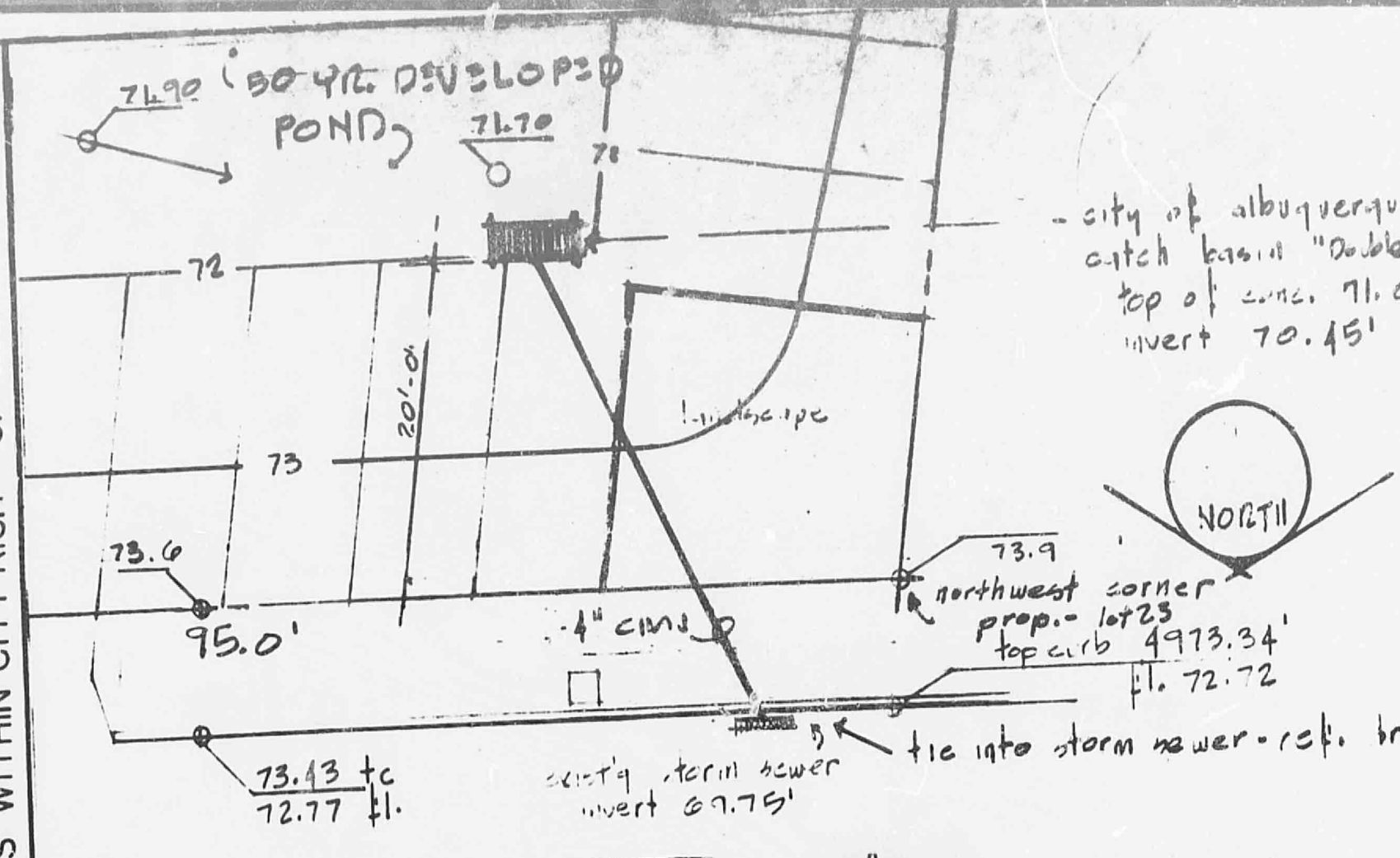
TWO PLANS

F 15 - 06

2 PLANS

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



164 Sandia Rd. NW

lot 23 glendale add. - albuq., N.M.

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 5315 WM. E. LEYENDECKER

scale 1" = 10'

oct. 1 1982

BURTON, LEYENDECKER and LEYENDECKER, INC.
3401 Carlisle Blvd. NE Alb., NM 87110
(505) 884-1330

8-54

APPROVALS	NAME	DATE
A.C.E. / DESIGN		13 Oct 82
INSPECTOR		7-26-83
A.C.E. / FIELD		7-27-84

TITLE: WOOD APTS. 164 Sandia NW

MAP NO. F-15

PERMIT NO.

SHEET 2 OF 2

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

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

164 Sandia Rd. N.W.
LOT 23 • Glendale Addition
Albuquerque, New Mexico

F15-D6

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.

2. All work detailed on the plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. 31 "

3. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.

4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

5. Backfill compaction shall be according to Residential street use.

Sunstate Co. B-54 P-0534

APPROVALS	NAME	DATE	TITLE: WOOD APTS. 164 Sandia NW	
A.C.E./DESIGN	J. Kilbah	13 Oct 82		
INSPECTOR	Jerry G.	7-26-83	PERMIT NO.	MAP NO. F-15
A.C.E./FIELD	Earl R. Haight	7-26-83	SHEET 1 OF 2	

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

HYDROLOGY

FILE # ~~F15~~/D5 ~~H·15/D5~~

F15/D5

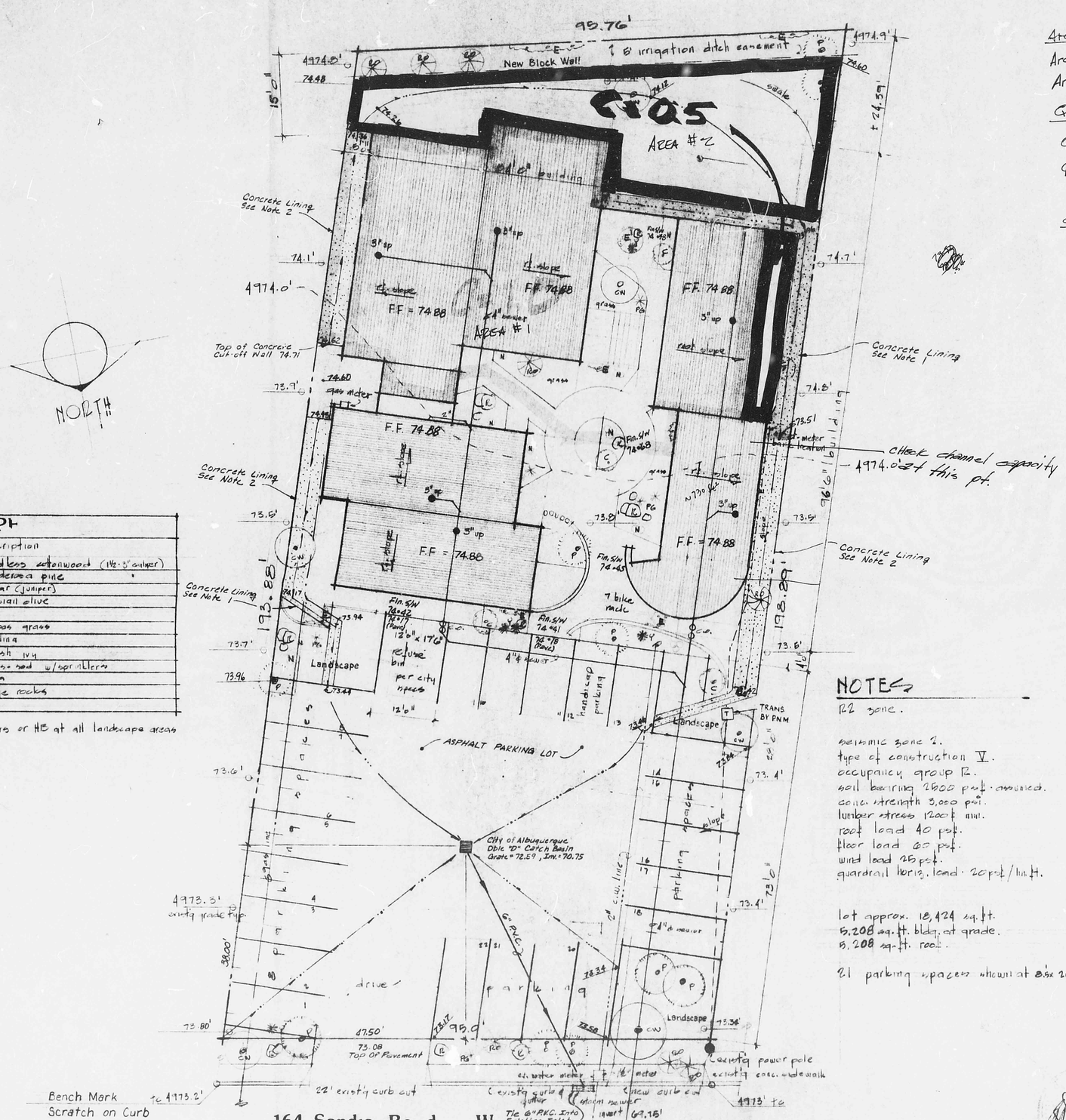
TWO PLANS

2 PLANS FOR

WOODS APTS.

DS

HIS



LANDSCAPE

MK	quant.	size	description
CW	5	1½-3'	needless cottonwood (1½-3" caliper)
P	9	"	ponderosa pine
C	5	"	cedar (juniper)
RO	18	1½ cal.	russian olive
PG	9	5 gal.	pampas grass
N	25	5 gal.	nandina
E	12	5 gal.	english ivy
G			grass - sod w/sprinklers
Y	5	5 gal.	yucca
R	24		large rocks

note: provide bubblers or HB at all landscape areas

Area

Area #1 = 4410 ft² = 0.1012 Ac

Area #2 = 1638 ft² = 0.0376 Ac

Q50 Peak Discharge

$Q_1 = (1.0)(2.4)(0.1012) = 0.24$ cfs

$Q_2 = (0.5)(2.4)(0.0376) = 0.045$ cfs

Total 0.28 cfs

Channel Cross Sectional Area

$(5)(0.5)(0.5) = 1.25$ ft²

Required Velocity

$\frac{0.28}{1.25} = 0.224$ fps

Channel Slope

0.5 % n = 0.010

Velocity

$V = \frac{1.5 R^{2/3} S^{1/2}}{n}$

$V = \frac{(1.5)(0.25)^{2/3}(.005)^{0.5}}{0.010} = 4.24$ fps

$Q = (4.2)(1.25) = 5.25$ cfs

LEGEND

sheet no 1 _plot plan
2 _ floor plan
3 _ foundation
4 _ elevations
5 _ floor plan
_ framing
7 _ electrical
8 _ mechanical
9 _ cabinet detail & misc.
10 _ section

NOTES

R2 zone.

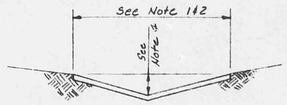
seismic zone 2.
type of construction V.
occupancy group R.
soil bearing 2500 psf. assumed.
conc. strength 3,000 psi.
lumber stress 1200 f min.
roof load 40 psf.
floor load 60 psf.
wind load 25 psf.
guardrail horiz. load 20 psf/lin. ft.

lot approx. 18,424 sq. ft.
5,208 sq. ft. bldg. at grade.
5,208 sq. ft. roof.

21 parking spaces shown at 8.5' x 20' ea.

4 - 2 B.RM. units at 989 sq. ft. = 3956 sq. ft. heated space
10 - 1 B.RM. " " 646 " " = 6,460 " " " "
14 units total 10,416 sq. ft. total.

22 parking spaces req'd (1.5 x 14 = 21). - asphalt.
≈ 7,040 sq. ft. (≈ 783 sq. yds.) asphalt parking.
≈ 950 sq. ft. landscape at parking area



NOTE
1. 9'0" Wide Concrete Lined Channel.
2. 5'-0" Wide Concrete Lined Channel.
~~3. Tapper 5'-0" Wide Concrete Lining To 9'-0" Wide Concrete Lining Unless Otherwise Shown.~~
4. Depth Of Concrete Lined Channel 6" Max..
5. Concrete Lining Shall Be 4" Thick.

CONCRETE LINED CHANNEL
N.T.S.

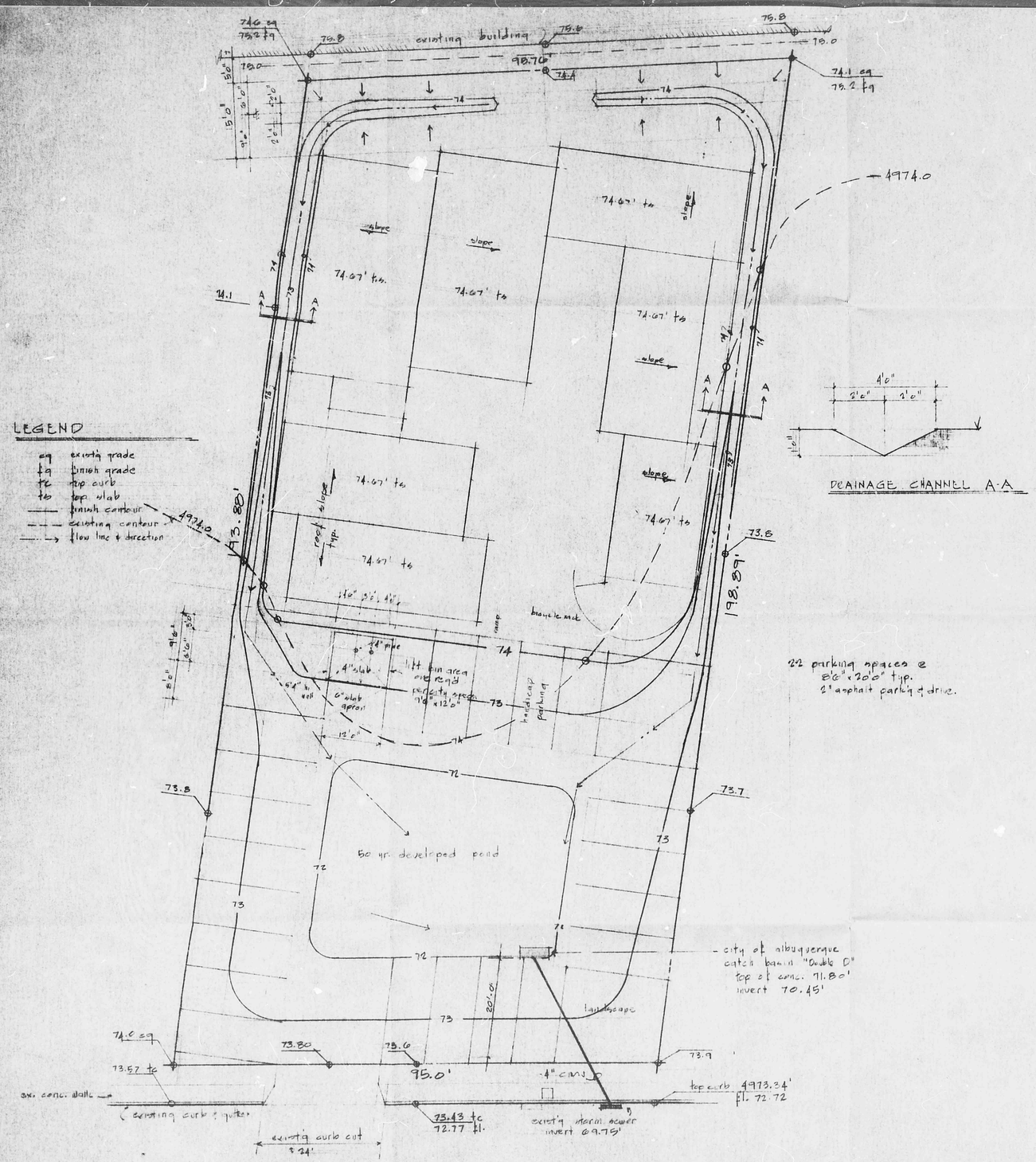
PLOT PLAN HAS BEEN "AS-BUILT" PER THE SPOT ELEVATIONS SHOWN. SEE LETTER APPROVING THE SURFACE DRAINAGE BY THIS OFFICE DATED JULY 25, 1983.

BURTON, LEVENDECKER and LEVENDECKER, INC.
3401 Carlisle Blvd. NE. Alb. NM 87110
(505) 884-1330

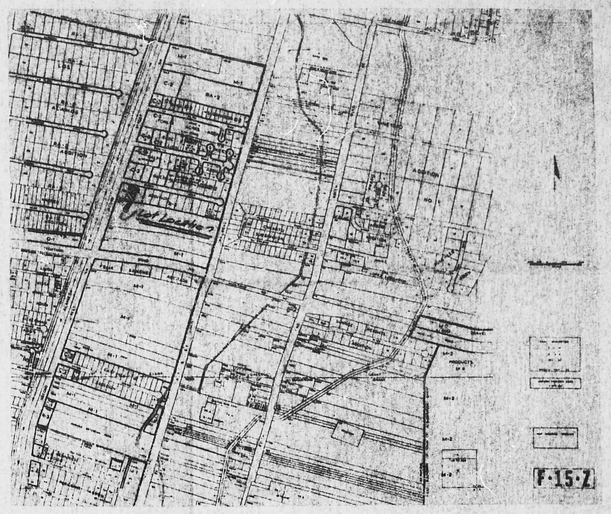
F15-D5
Revised 8/02/83
H15/D5

WOOD APARTMENTS

sheet 1 of 10



DRAINAGE CHANNEL A-A



VICINITY MAP

22 parking spaces @ 8'6" x 20'0" typ.
2" asphalt parking & drive.

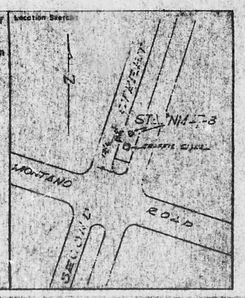
SCALE: 1" = 10'-0"

Description: Station is located 4 miles north of downtown Albuquerque, at the intersection of Second Street and Montano Rd., N.W.

To reach the station from the intersection of Central Ave., and Second St., go north on Second St., 3.9 miles to Montano Rd., and the station.

Station mark is a standard NGS/MC brass tablet, stamped, "STA.NM47-8", set in top of a concrete post projecting 0.1 ft. above the ground. Elevation 4974.66.

Location Sketch



ELEVATION DATA

I, Ronald A. Forstbauer, registered New Mexico Land Surveyor Number 6126, do hereby certify that the existing elevations shown hereon, were provided by me from an actual field survey, are based on City of Albuquerque Datum, and are true and correct to the best of my knowledge and belief.

Ronald A. Forstbauer
N.M.L.S. No. 2126

164 Sandia Road, N.W.

lot 23 glendale add.
albuquerque, new mexico

WOOD APARTMENTS
DRAINAGE PLAN

RECEIVED
SEP 09 1981
ENGINEERING

415/D5