HYDROLOGY H16/D22 3 PLANS

H16/D22

3 PLANS

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
David Rusk

January 2, 1979

Mr. Jean J. Bordenave
T. T. Burnett Engineering, Inc.
12[illegible] Morningside Dr. N. E.
Albuquerque, New Mexico 87108

RE: SEVEN-UP BOTTLING COMPANY, DEVELOPMENT OF TRACT "N",
MENAUL DEVELOPMENT AREA

Dear Mr. Bordenave:

The Drainage report for the above referenced tract is approved.

Very Truly yours

Fred D Cagnin

for Mr. Bruno Conegliano
Asst. City Engineer-Hydrology

BC/el

CC: Rick Leonard, AMAFCA
Richard Heller, City Engineer
Dr. File

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

December 4, 1985

Chris Weiss
Weiss-Hines Engineering
1100-B Alvarado, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR LOADING DOCK FOR 7-UP BOTTLING COMPANY
RECEIVED NOVEMBER 27, 1985 (H-16/D22)

Dear Chris:

The referenced plan dated November 18, 1985, is approved for building permit sign-off by the Design Hydrology Section.

If you have any questions or comments regarding this project, please call me at 766-7644.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

BJM:CAM/bsJ

DRAINAGE INFORMATION SHEET

PROJECT TITLE: 7-Up loading Dock ZONE ATLAS/DRNG. FILE #: H-16/D22

LEGAL DESCRIPTION: Tract "N" of Menaul Development Area, Albq, NM

CITY ADDRESS: 2101 Claremont NE.

ENGINEERING FIRM: WEISS-HINES ENGINEERING CONTACT: Chris Weiss

ADDRESS: 1100 ALVARADO NE PHONE: 505-266-344

OWNER: CONTACT:

ADDRESS: PHONE:

ARCHITECT: CONTACT:

ADDRESS: PHONE:

Topo SURVEYOR: Clauer + Assoc. CONTACT: Dave Clauer

ADDRESS: PHONE: 888-0690

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

___ YES

X NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

X DRAINAGE/GRADING PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

___ RESUBMITTAL

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

___ SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

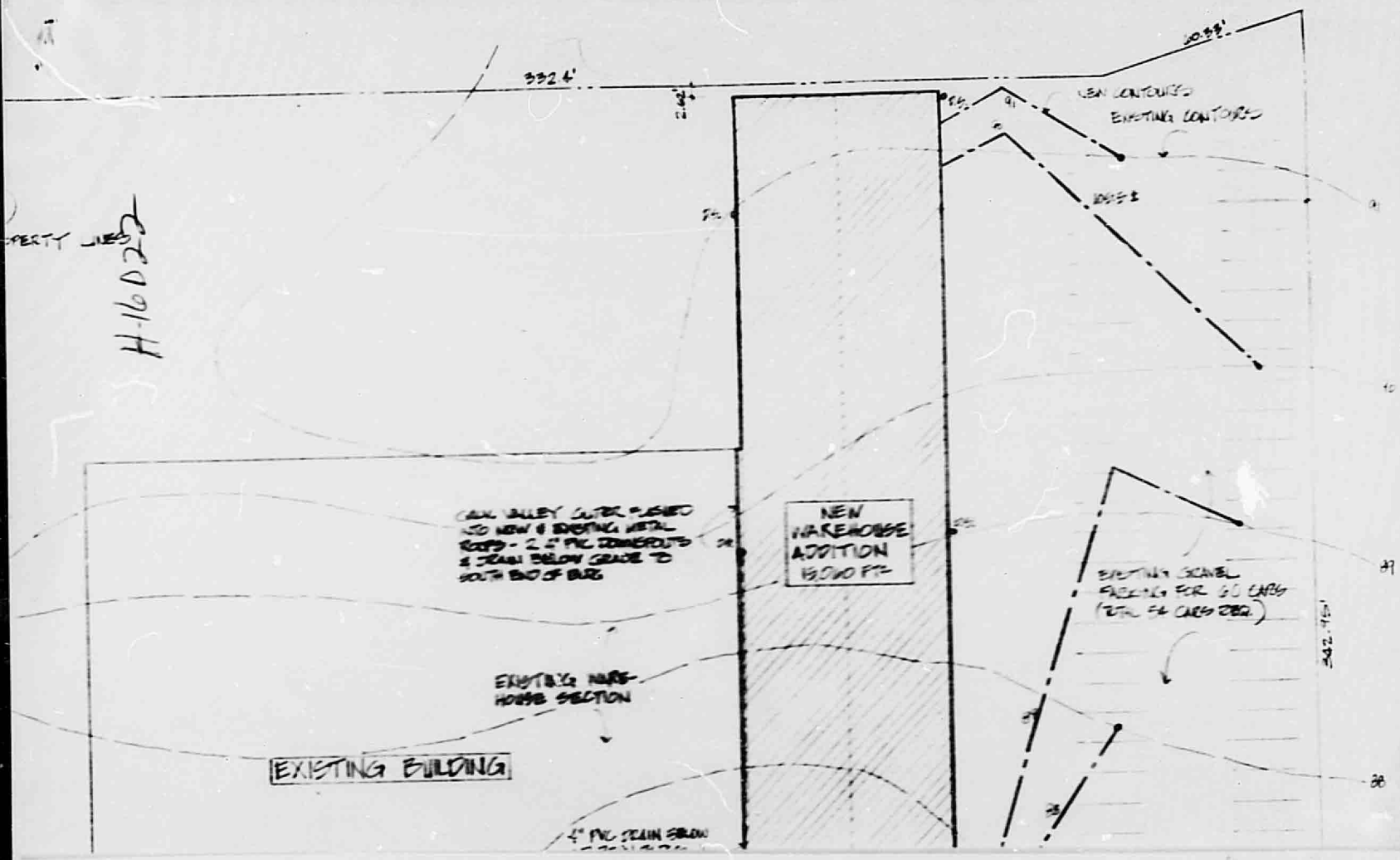
DATE SUBMITTED: November 27, 1985

BY: Weiss-Hines Engineering, Inc.

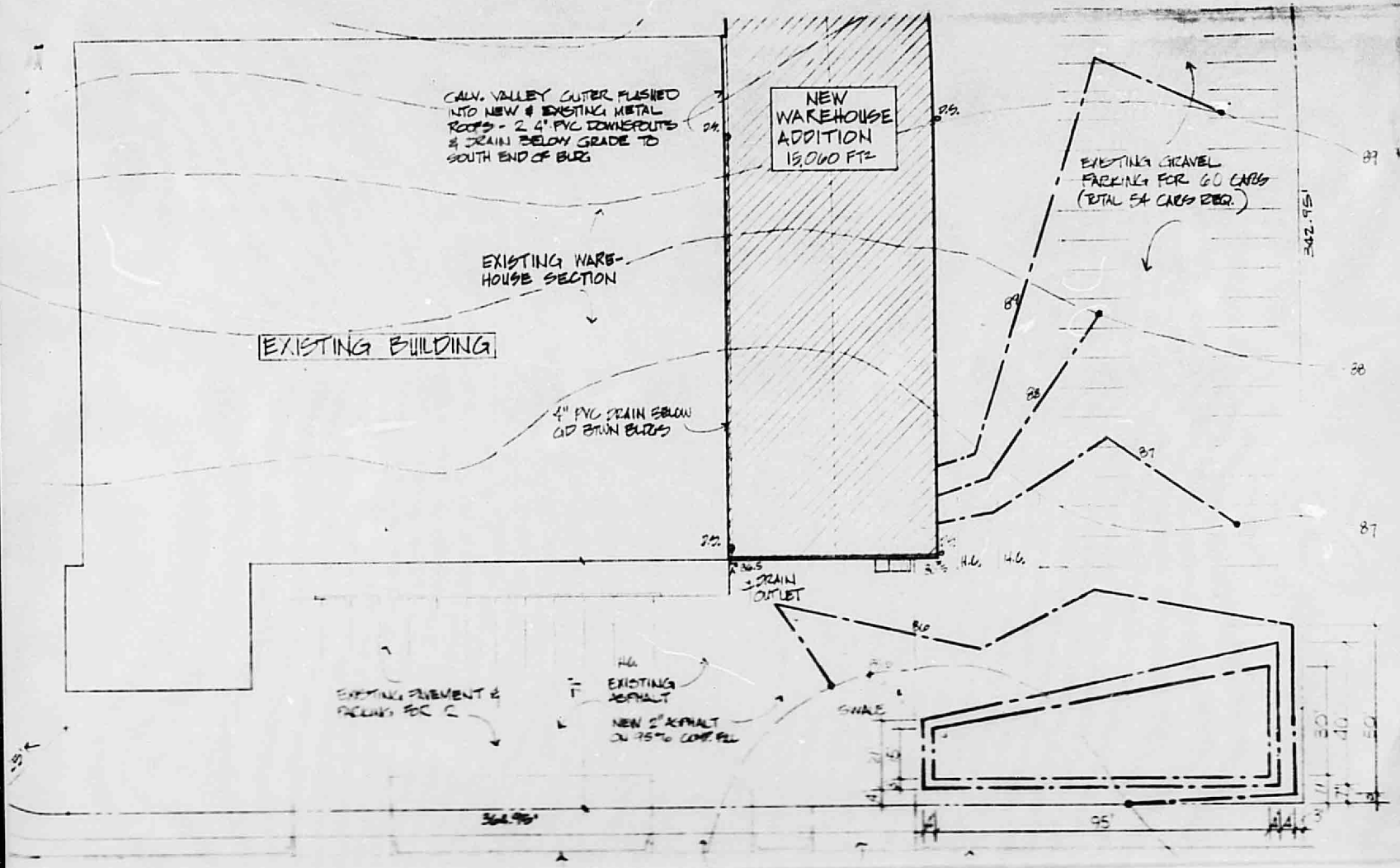
DATE RECEIVED: _____

RECEIVED BY: _____

RECEIVED
NOV 27 1985
HYDROLOGY SECTION


332.4'
NEW CONTOURS
EXISTING CONTOURS
NEW WAREHOUSE ADDITION 15,000 FT²
EXISTING WAREHOUSE SECTION
EXISTING BUILDING
4" PVC DRAIN BELOW

H-16 D 2C


GALV. VALLEY GUTTER FLASHED INTO NEW & EXISTING METAL ROOFS - 2 4" PVC DOWNSPOUTS & DRAIN BELOW GRADE TO SOUTH END OF BLDG
NEW WAREHOUSE ADDITION 15,060 FT2
EXISTING GRAVEL PARKING FOR 60 CARS (TOTAL 54 CARS REQ.)
EXISTING WAREHOUSE SECTION
EXISTING BUILDING
4" PVC DRAIN BELOW GRD BTWN BLDGS
1" DRAIN OUTLET
EXISTING PAVEMENT & PARKING FOR C
EXISTING ASPHALT
NEW 2" ASPHALT W/ 75% COMP. FILL
SWALE
95'
342.95'
364.95'

RECEIVED
DEC 20 1978

DRAINAGE REPORT
FOR
SEVEN-UP BOTTLING COMPANY
DEVELOPMENT OF TRACT "N"
OF
MENAUL DEVELOPMENT AREA

DEC 2 0 1978

DRAINAGE REPORT

FOR

SEVEN-UP BOTTLING COMPANY

DEVELOPMENT OF TRACT "N"

OF

MENAUL DEVELOPMENT AREA

Prepared By:

T. T. Burnett Engineering, Inc.
120 Morningside Dr. NE
Albuquerque, New Mexico 87108

Prepared For:

Nelson B. Buck
812 Arizona SE
Albuquerque, New Mexico 87108
(505)265-7155

REGISTERED PROFESSIONAL ENGINEER
NO. 5
NEW MEXICO
JEAN J. BORDENAVE

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DETENTION/RETENTION REQUIREMENTS	

PLATES

1 Location Map H-16

2 Site Plan

3 Flood Hazard Boundary Map

DRAINAGE REPORT
FOR
SEVEN-UP BOTTLING COMPANY
DEVELOPMENT OF TRACT "N"
OF
MENAUL DEVELOPMENT AREA

PURPOSE

The purpose of this report is to present to governing agencies and the developer a reasonable method of complying with AMAFCA Drainage Resolution 1972-2 and thereby lessen runoff from the proposed development to an amount not in excess of the flow to be expected from the property in its present state. The report is composed of a narrative of existing and proposed conditions, computations and grading plan.

LOCATION AND TERRAIN

The proposed development is located on the northeast corner of Princeton and Claremont in the northeast quadrant of the city. (See Plate I for exact location.) The property slopes southerly at approximately two percent. Base soils are composed of silty sands and vegetation is limited to common weeds. Infiltration rates, due to the silt content of the soil, may be expected to be less than one-half inch per hour.

PROPOSED DEVELOPMENT

The site plan indicates location of existing buildings, as well as new construction of buildings, parking lot, storm water ponding and proposed grading.

UPLAND DRAINAGE

Properties north and east of the proposed development drain through the development via an alley along the north property line. This flow will not be diverted due to proposed construction. The site, according to the Flood Hazard Map dated June, 1976, does not lie within the flood hazard area.

INTERNAL DRAINAGE

Flows generated by new construction, as well as offsite flows, are routed to a large retention pond located in the southeast corner of the property. Maximum depth of the pond is less than two feet. Due to the low expected infiltration rate, infiltration has not been considered as contributing to ponding requirements. (See Plate II and Computations for pond locations and drainage areas.)

CONCLUSIONS

Upland flows now crossing the property will be allowed to continue in their present route. Flows generated internally by the new construction will be routed through the proposed retention pond. Flows in excess of storage capacity will exit the property through a proposed drive pad. Due to lack of spot elevations, it is impossible to determine the exact depth of the retention pond; however, it may be estimated to be approximately one and one-half feet deep. This depth would provide approximately 60 percent excess capacity.

7-Up Bottling DRAINAGE REPORT JJB 12/78

PONDING REQUIRED

Existing Condition

	Area #	C	Equiv. Area #
Building	30,444	0.97	29,531
Asphalt Parking & Conc.	33,437	0.95	31,765
Bare Soil	58,976	0.50	29,488
SW Landscape	4281	0.80	3425
	127,138		94,209

100 yr, 6 hr. runoff volume

(2.6)(94,209)/12 = 20412 cu.ft.

Developed Condition

Building	45,204	0.97	43,848
Asphalt Parking & Conc.	36,845	0.95	35003
Gravel Parking	31,792	0.60	19,075
Pond	3,300	0.50	1,650
Bare Soil	5,716	0.50	2,858
SW Landscape	4,281	0.80	3,425
			105,859

100 yr, 6 hr. runoff volume

(2.6)(105,859)/12 = 22,936 cu.ft.

Ponding Required and Provided

Runoff Volume Developed 22,936

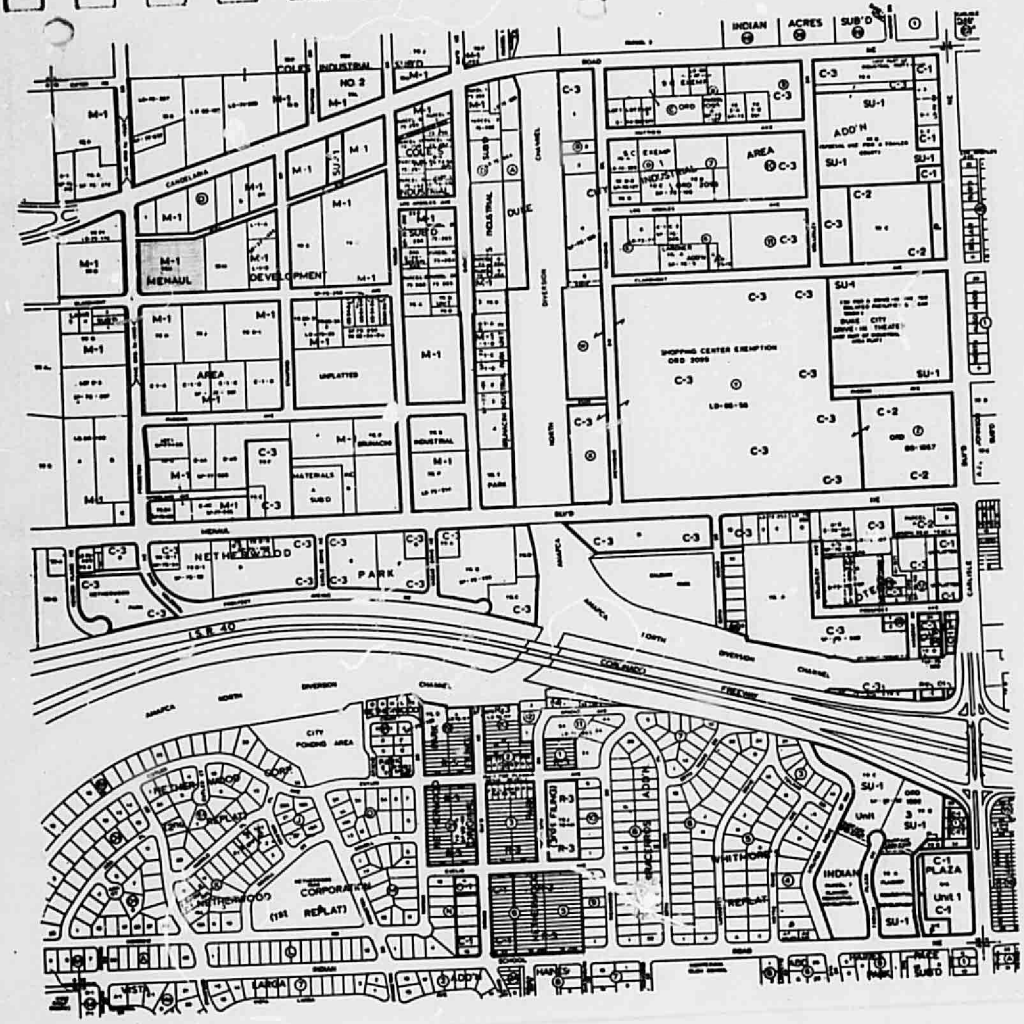
Existing 20,412

REQUIRED 2,524 cu.ft.

PROVIDED

[95(15+30) + 103(21+40)]/4 = 2640 cu.ft.

Note: Provided ponding is in excess of the amount shown. Depth used in computation of ponding provided was one foot, however is is obvious from the contours the actual depth is in excess of this. Due to lack of spot elevations on curbs it is not possible to determine the actual depth.


INDIAN
ACRES
SUB'D
COLES INDUSTRIAL
NO. 2
M-1
MENAUL
DEVELOPMENT
AREA
UNPLATTED
MATERIALS
SUBD
INDUSTRIAL
PARK
NETHERWOOD
CITY
DUKE
CHANNEL
DIVERSION
NORTH
SUB'D
C-3
SHOPPING CENTER EXEMPTION
ORD 3090
LD-88-58
ADD'N
SU-1
C-2
C-1
I-40
CORLANO
FREEWAY
CITY
POKING AREA
NETHERWOOD
REPLAT
CORPORATION
(1st REPLAT)
NORTHPORT
REPLAT
INDIAN
PLAZA
Unit 1
C-1
Unit
3
R-3
R-2
SUB'D

H-16-Z

PLATE I

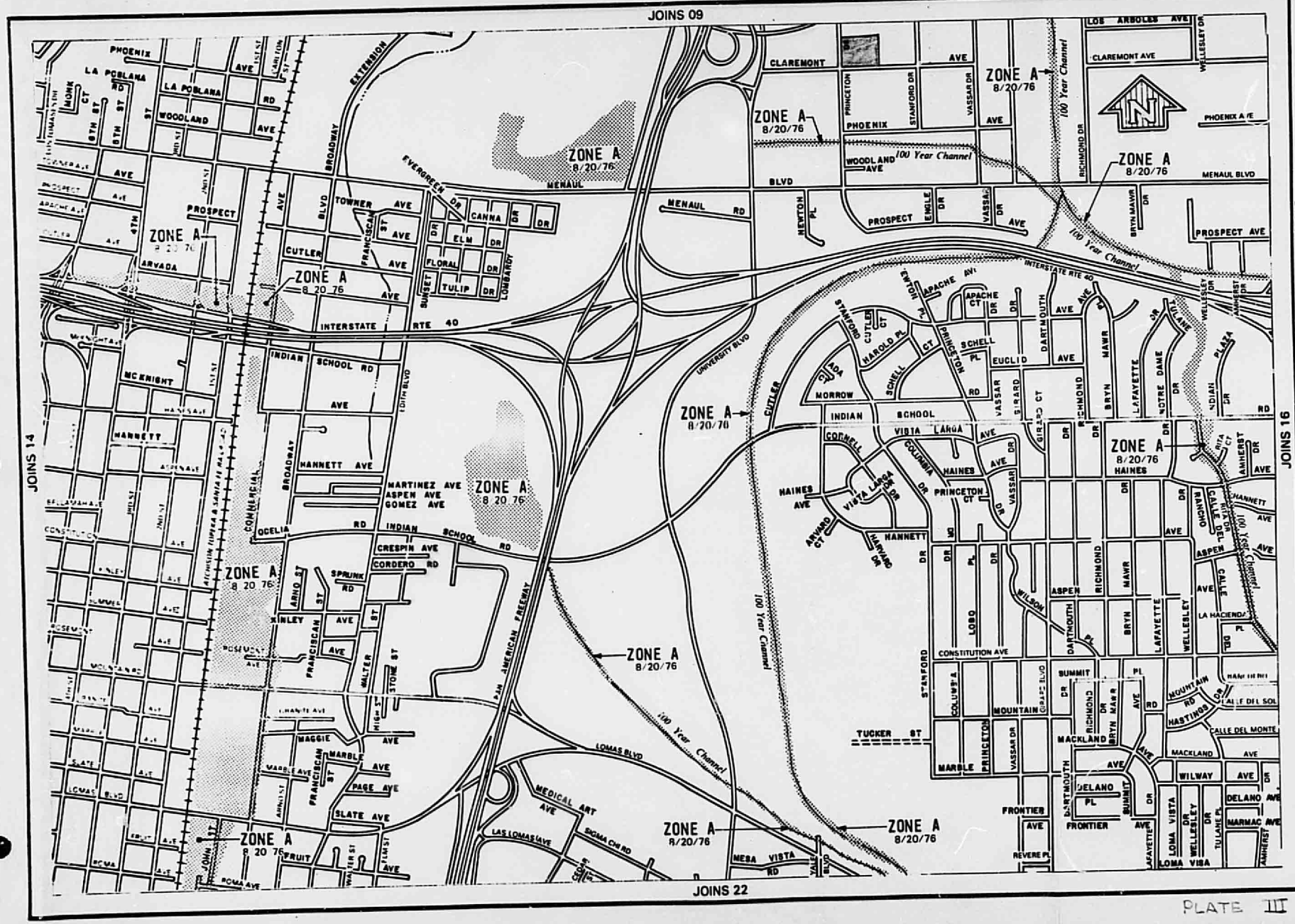

JOINS 09
JOINS 14
JOINS 16
JOINS 22
ZONE A
8/20/76
100 Year Channel
INTERSTATE RTE 40
MENAUL BLVD
MENAUL RD
PROSPECT AVE
CLAREMONT AVE
LOS ARBOLES AVE
PHOENIX AVE
INDIAN SCHOOL RD
HANNETT AVE
MARTINEZ AVE
ASPEN AVE
GOMEZ AVE
OCELIA RD
CRESPIN AVE
CORDERO RD
SPRUNK RD
LINLEY AVE
MAGGIE AVE
MARBLE AVE
PAGE AVE
SLATE AVE
FRUIT AVE
ROMA AVE
LOMAS BLVD
MEDICAL ART AVE
LAS LOMAS AVE
SIGMA CHI RD
MESA VISTA RD
TUCKER ST
CONSTITUTION AVE
SUMMIT PL
MOUNTAIN RD
MACKLAND AVE
WILWAY AVE
DELANO AVE
MARMAC AVE
LOMA VISTA
LOMA VISA
FRONTIER AVE
REVERE PL
HAINES AVE
ASPEN AVE
EUCLID AVE
SCHELL RD
MORROW
VISTA LARGA
CORNELL
COLUMBIA DR
PRINCETON CT
HARVARD DR
ARVARD CT
WILSON
LA HACIENDA
CALLE DEL SOL
CALLE DEL MONTE
HASTINGS DR
CUTLER
UNIVERSITY BLVD
EVERGREEN DR
BROADWAY
EXTENSION
COMMERCIAL
FRANCISCAN ST
ARNO ST
WALTER ST
STONE ST
HIGH ST
EDITH BLVD
SAN AMERICAN FREEWAY
ATCHISON TOPEKA & SANTA FE RAILWAY
PHOENIX
LA POBLANA RD
WOODLAND AVE
PROSPECT
ARVADA
CUTLER
TOWNER AVE
CANNA
ELM
FLORAL
TULIP
SUNSET
LOMBARDY
MCKNIGHT
HANNETT
CLAREMONT
PHOENIX
WOODLAND AVE
PRINCETON
STANFORD DR
VASSAR DR
EMGLE DR
NEWTON PL
BRYN MAWR DR
RICHMOND DR
WELLESLEY DR
APACHE AVE
APACHE CT
STANFORD
HAROLD PL
SCHELL
EUCLID
DARTMOUTH AVE
BRYN MAWR
LAFAYETTE
NOTRE DAME
TULANE
INDIAN
PLAZA
AMHERST DR
CHANNETT
ASPEN
CALLE
RANCHO
RITA DR
LOBO
STANFORD
COLUMBIA
MOUNTAIN
MACKLAND
DELANO
SUMMIT
FRONTIER
MARBLE
PRINCETON
VASSAR DR
DARTMOUTH
RICHMOND
BRYN MAWR
LAFAYETTE
WELLESLEY
LOMA VISTA
LOMA VISA
TULANE PL
MARMAC AVE
AMHERST
APPROXIMATE SCALE
0
1000
2000
3000 FEET
EFFECTIVE DATE
8/20/76
FLOOD HAZARD BOUNDARY MAP
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Federal Insurance Administration
CITY OF ALBUQUERQUE, NM
(BERNALILLO CO.)
15

PLATE III

SHEAD-HASTINGS, [illegible] L.
NO. T118GN