HYDROLOGY M15/D4A3 1 PLAN

M15/D4A3

1 Plan

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

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

June 6, 1985

Victor Chavez
Chavez-Grieves Consulting Engineers
4520 Montgomery Boulevard, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR NZ MINI WAREHOUSE
(M-15/D8C) RECEIVED JUNE 4, 1985

Dear Mr. Chavez:

The referenced plan dated June 4, 1985, is approved for building permit sign-off.

Please attach a copy of this approved plan along with the appropriately approved "Drainage Facilities Within City Right-of-Way" document to both sets of construction plans prior to Hydrology sign-off.

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

CAM/bsj

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

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

June 3, 1985

Mr. Victor Chavez
Chavez-Grieves Consulting Engineer
4520 Montgomery NE
Albuquerque, NM 87110

REF: DRAINAGE PLAN FOR NZ MINI WAREHOUSE (M15-D8C) RECEIVED APRIL 17, 1985

Dear Victor:

The above referenced plan, dated May 21, 1985, is approved for Building Permit.

Please attach a copy of this approved plan along with the appropriately approved "Drainage Facilities Within City Right-of-Way" document to the construction set prior to Hydrology sign-off.

If I can be of further assistance, please contact me at 766-7644.

Sincerely,

Carlos A. Montoya
City/County Flood Plain Admin.

CAM:mrk

cc: Greg Olson

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

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

May 24, 1985

Mr. Victor Chavez
Chavez-Grieves Consulting Engineer
4520 Montgomery NE
Albuquerque, NM 87110

REF: DRAINAGE PLAN FOR NZ MINI WAREHOUSE (M15-D8C) RECEIVED APRIL 17, 1985

Dear Victor:

I have reviewed the referenced plan and forward the following comment. Please coordinate with the Design Section on work within the public right-of-way.

If you should have any questions, please feel free to call me at 766-7644.

Sincerely,

Carlos A. Montoya
City/County Flood Plain Admin.

CAM:mrk

cc: Greg Olson

DRAINAGE INFORMATION SHEET

PROJECT TITLE: NZ MINI WAREHOUSE ZONE ATLAS/DRNG.FILE #: M-15/D8C

LEGAL DESCRIPTION: Lot 5 of NZ Commercial Office Center, A Replat of Tract 3, Newport Industrial Park-West, Unit 1, Oct, 1981

CITY ADDRESS: 1715 Randolph Court SE

ENGINEERING FIRM: Chavez - Grieves Consulting Engrs CONTACT: Victor Chavez

ADDRESS: 4520 Montgomery NE PHONE: (505) 881-7376

OWNER: CONTACT:

ADDRESS: PHONE:

ARCHITECT: The Burns/Peters Group CONTACT: Tyler Mason

ADDRESS: 8000 Pennsylvania Circle NE PHONE: (505) 265-3645

SURVEYOR: approval proposed elevations taken from the survey info. on the grading plan for NZ Commercial Office Center Sheet 3 of 10 by Andrews, Asbury & Roberts Inc. ~~CONTACT~~: Approval date 3/82

~~ADDRESS~~: PHONE:

CONTRACTOR: N/A CONTACT:

ADDRESS: PHONE:

RECEIVED APR 17 1985 HYDROLOGY SECTION

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 PLAN

____ CONCEPTUAL GRADING & DRAINAGE PLAN

____ GRADING PLAN

____ 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: 5-20-85

BY: Victor J. Chavez

Job NZ MINI WAREHOUSE
Subject Conceptual Drainage Plan
Client Burns & Peters

Sheet No. 1 of
Job. No.
By JSM Date 4/85

CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc. Albuquerque, NM

RECEIVED
APR 17 1985
HYDROLOGY SECTION

CONCEPTUAL DRAINAGE PLAN

NZ MINI WAREHOUSE

The site is located north of Randolf Court abutting a floodway and utility easement (concrete lined channel) containing approximately 1.4212 acres of total lot and 1.0832 acres w/out Randolf Court. The site is presently undeveloped except for Randolf Court and slopes from southeast to northwest with an average slope of 6 percent. Storm runoff from the site flows to the north, is collected in an existing swale located south of the existing concrete lined channel, and is then carried west and discharges into the concrete lined channel at the northwest corner of the NZ Commercial Office Center.

The site has an approved master drainage plan for the NZ Commercial Office Center prepared by Andrews, Asbury & Roberts, Inc. Consulting Engineers, October, 1981. This proposed drainage plan complies with the master plan.

Proposed off site runoff will have no effect on the proposed development as stated in Addendum No. 1 of the Drainage Report for NZ Commercial Office Center, November 13, 1981. "Direct discharge to the existing 60' floodway and utility easment, through a pipe or concrete lined channel inlet." (Lot 4, 5 & 6)

Job NZ MINI WAREHOUSE
Subject Conceptual Drainage Plan
Client Burris & Peters

Sheet No. 2 of ____
Job. No. ____
By JDM Date 4/85

CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc. Albuquerque, NM

EXISTING ON SITE CONDITION (not including Randolf Court)

Area = 1.0832 acres
Hydrologic Soil Group = A
100-year, 6-hour rainfall = 2.3 in.
I = 2.2 in/hr
i = (2.3)(2.2) = 5.06 in/hr
Percent Impervious = 0%
C = 0.16
Q(100) = (0.16)(5.06)(1.0832) = 0.88 cfs.
Q(10) = (0.88)(0.657) = 0.58 cfs.
CN = 55
Direct Runoff = 0.1 in
V(100) = (0.1)(1.0832)(43560)/12 = 393 cu.ft.
V(10) = (393)(0.657) = 258 cu.ft.

DEVELOPED ON SITE CONDITION (not including Randolf Court)

Percent Impervious = 73%
C = 0.58
Q(100) = (0.58)(5.06)(1.0832) = 3.18 cfs.
Q(10) = (3.18)(0.657) = 2.09 cfs.
CN = 81
Direct Runoff = 0.8 in
V(100) = (0.8)(1.0832)(43560)/12 = 3146 cu.ft.
V(10) = (3146)(0.657) = 2067 cu.ft.

NZ LAND COMPANY
Albuquerque, New Mexico

APPROVED
"Drainage Report
for NZ Commercial-
Office Center"
M15-D8

Drainage Report
for
NZ COMMERCIAL-OFFICE CENTER

October, 1981

REGISTERED PROFESSIONAL ENGINEER
STATE OF
No. 4000
NEW MEXICO
JOHN A. ANDREWS

Prepared by:

Andrews, Asbury & Robert, Inc.
Consulting Engineers
Albuquerque, New Mexico 87108

ADDENDUM NO. 1

DRAINAGE REPORT

FOR

NZ COMMERCIAL-OFFICE CENTER

November 13, 1981

In the developed state the individual lots within NZ Commercial-Office Center Subdivision shall discharge storm water runoff as follows:

Lot 1 - Direct discharge to University Boulevard N.E., through sidewalk drain or other such device.

Lot 2 - Direct discharge to existing 60' floodway and utility easement through a pipe or concrete side channel inlet

Lot 3 - Same as Lot 2

Lot 4 - Same as Lot 2

Lot 5 - Same as Lot 2

Lot 6 - Same as Lot 2

Lot 7 - Direct discharge to cul de sac (Randolph Court S.E.) through a sidewalk drain or drive pad.

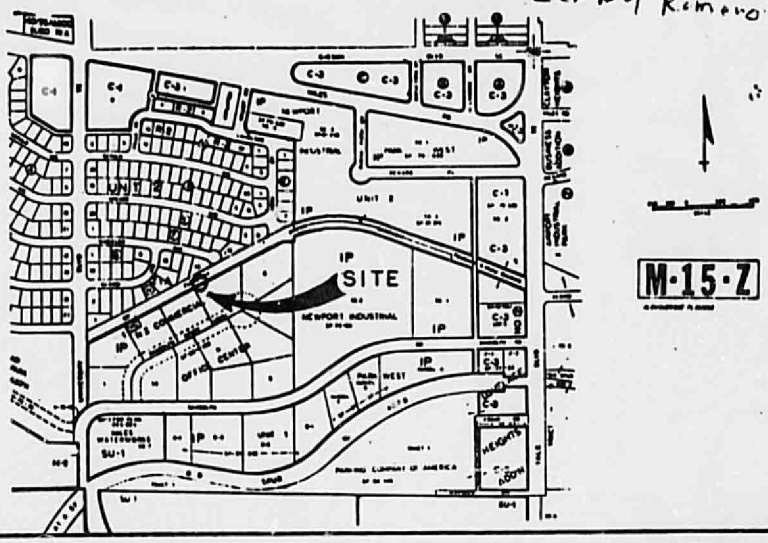
Lot 8 - Same as Lot 7

CITY OF ALBUQUERQUE

Complete

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

Lenny Romero



OWNER:

N.Z. COMMERCIAL OFFICE CENTER

LEGAL:

LOT 5 OF N.Z. COMMERCIAL OFFICE CENTER, A REPLAT OF TRACT 3, NEWPORT INDUSTRIAL PARK-WEST, UNIT 1, OCT. 1981.

B.M.-ACS STA. I-M15 EL. 5119.33, 2.3 MILES SOUTHEAST OF DOWNTOWN ABQ. NEAR THE NORTHEAST COR. OF KIRTLAND PARK (CITY).

VICTOR J. CHAVEZ STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

Rev 6/7/85
Rev 6/24/85

NOTICE TO CONTRACTOR M15-D443

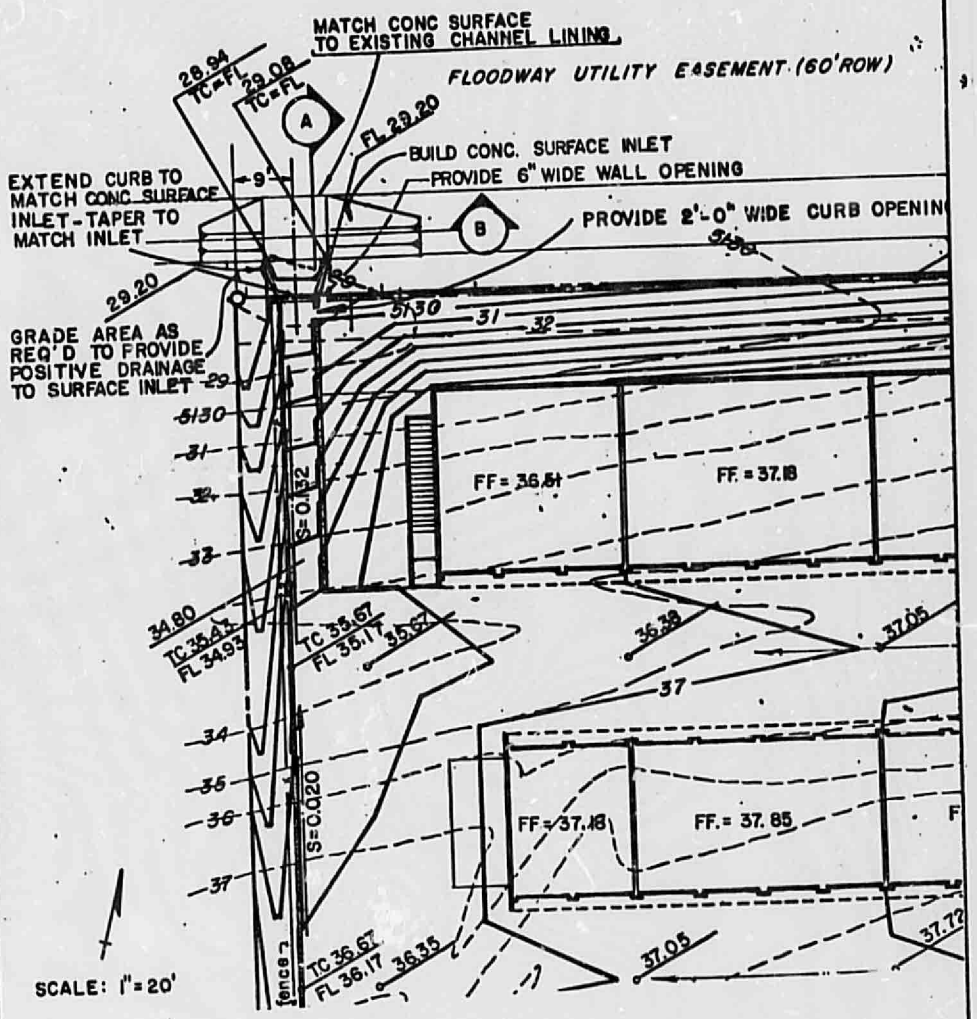
1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with Public Works Contract No. 85-1.
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 N/A street use.

E-71

APPROVALS	NAME	DATE	TITLE: 1715 RANDOLPH CT. S.E. (CONCRETE INLET)	
A.C.E./DESIGN	G R Olson	6/25/85		
INSPECTOR			PERMIT NO.	MAP NO. M-15-Z
A.C.E./FIELD			SHEET 1 OF 3	

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



LEGEND

DESCRIPTION	EXISTING	NEW
GRADE	---30----	—30—
SPOT ELEVATION	•——	o——
PROPERTY CORNER	o——	

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NO. 5121
REGISTERED PROFESSIONAL ENGINEER

Rev 4/19/85 E-71
Rev 6/24/85

APPROVALS	NAME	DATE
A.C.E./DESIGN	MROlson	6/25/85
INSPECTOR		
A.C.E./FIELD		

TITLE: 1715 RANDOLPH CT. S.E.

(CONCRETE INLET)

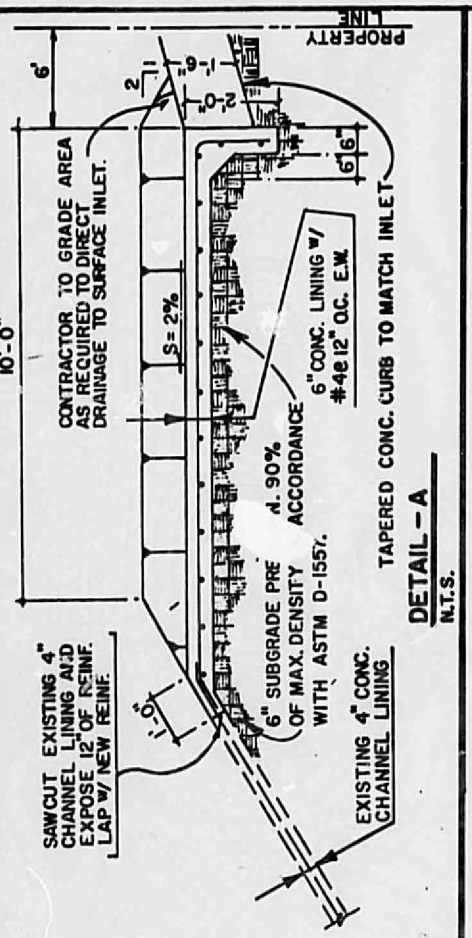
PERMIT NO.

SHEET 2 OF 3

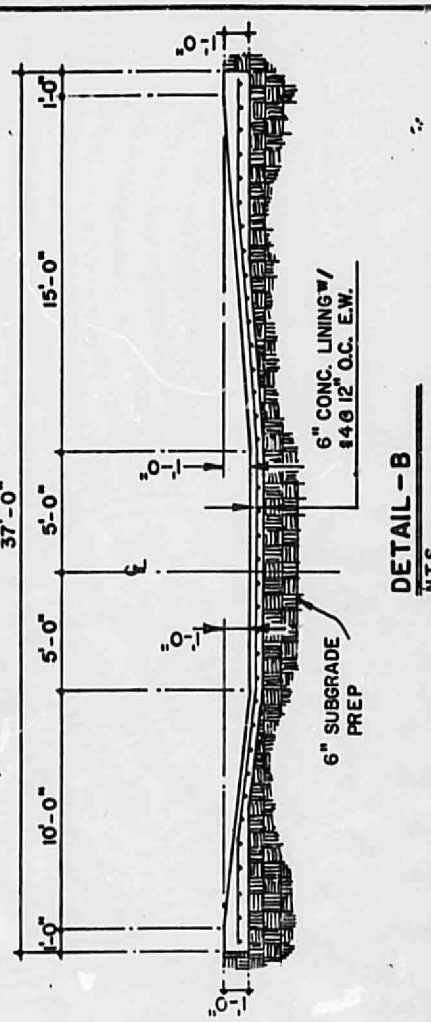
MAP NO. M-15-Z

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



DETAIL-A
N.T.S.



DETAIL-B
N.T.S.

VICTOR M. CHAVEZ REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO

E-71 Rev 6/13/85 Rev 6/14/85

APPROVALS	NAME	DATE
A.C.E./DESIGN	HLOlson	6/25/85
INSPECTOR		
A.C.E./FIELD		

TITLE: 1715 RANDOLPH CT. S.E.

(CONCRETE INLET)

PERMIT NO.

SHEET 3 OF 3

MAP NO. M-15-Z