HYDROLOGY G18/D21 1 PLAN

G 18/D21

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

April 13, 1984

Mr. Duane Logan, PE
Geotechnical Research, LTD.
501 Kinley NE
Albuqueque, NM 87102

REF: U-HAUL MAINTENANCE SHOP DRAINAGE PLAN (G18-D21)

Dear Duane:

These are my comments on the plan as revised 3/11/84:

1. City approved alley grades are required.

   a. Drainage plan must agree with approved alley grades.

   b. Redwood curb in alley is not required if paving is against an existing CMU wall.

2. The "Section at South PL" shows fill on adjacent property and against the building on that property.

   a. Permission from tha adjacent owner is needed to do this.

      i) I suggest you water proof the wall above the finished floor prior to backfill.

      ii) It would probably be easier to lower the footing on the retaining wall and omit fill on south side.

3. Please include an approved copy of "Drainage Facilities Within City R/W" with your next submittal.

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

Thank you,

John Armstrong
Civil Engineer/Hydrology

JA:mrk

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

February 20, 1984

Mr. Duane Logan, P.E.
Geotechnical Research, Ltd.
501 Kinley NE
Albuquerque, NM 87102

REF: U-HAUL MAINTENANCE SHOP DRAINAGE PLAN G18-D21

Dear Mr. Logan:

These are my comments on the plan dated 11/17/83:

1. Show limits of existing and proposed asphalt, including alley. Also asphalt to be removed to achieve grades shown.

2. Show which walls are existing and proposed along with details, top of wall elevations, locations of steps and limits.

3. Show a section through the exisiting building to the south and the proposed cmu wall. Address any flows through this area or into this area.

4. City standards do not permit 6" diameter pipes through City curbs.

5. Please submit hydrology and hydraulics calculations for the proposed alley. Proposed alley sections must be capable of conveying the flows to Maderia.

6. Show alley sections on the drainage plan with interface to existing and proposed grades at Right-of-Way line and correct proposed contours to reflect this.

If you have any further questions, please call me at 766-7644.

Thank you,

John Armstrong
Civil Engineer/Hydrology

JA:mrk

GEOTECHNICAL RESEARCH & SERVICES, LTD.

501 KINLEY, NE • ALBUQUERQUE, NEW MEXICO 87102
(505) 247-0102

INFORMATION SHEET

PROJECT TITLE Vehicle Maintenance Shop TYPE OF SUBMITTAL Drainage Plan

ZONE ATLAS PAGE NO. G-18 (J-21) CITY ADDRESS 4020 San Mateo Blvd., NE

LEGAL DESCRIPTION Tract A (Lots 1d & 1f) Block 48, Altamont Addition

ENGINEERING FIRM Geotech Research. CONTACT Duane Logan

ADDRESS 501 Kinley NE PHONE 247-0102

OWNER U-Haul of New Mexico CONTACT Greg Dudley

ADDRESS 317 Commercial NE PHONE 247-1584

ARCHITECT None CONTACT

ADDRESS PHONE

SURVEYOR Geotech Research CONTACT As Above

ADDRESS PHONE

CONTRACTOR National Sales, Inc. CONTACT Gene Garcia

ADDRESS 5109 Edith Blvd., NE PHONE 344-3588

PRE-DESIGN MEETING:

XX YES January 9, 1984 with John Armstrong
__ NO
__ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

__ SKETCH PLAT APPROVAL
__ PRELIMINARY PLAT APPROVAL
__ SITE DEVELOPMENT PLAN APPROVAL
__ FINAL PLAT APPROVAL
XXX BUILDING PERMIT APPROVAL
__ CERTIFICATE OF OCCUPANCY APPROVAL
__ ROUGH GRADING PERMIT APPROVAL
__ GRADING/PAVING PERMIT APPROVAL
__ OTHER _____ (SPECIFY)

RECEIVED
JAN 16 1984
HYDROLOGY SECTION

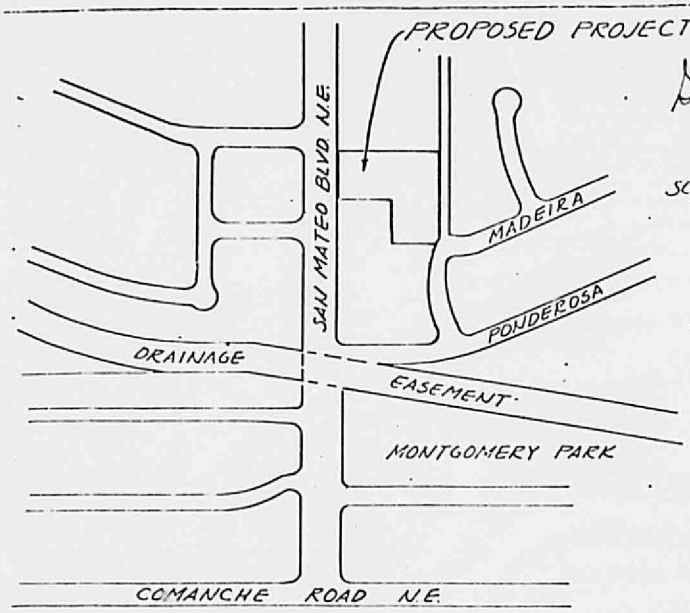
DATE SUBMITTED: January 16, 1984

BY: Duane L. Logan

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

Jerry Chavez Steve Hydrology



SCALE: 1" = 400'

VICINITY MAP

4020 SAN MATEO BLVD. N.E.
TRACT 'D' (LOTS ID & IF) OF LOT 1 BLOCK 48
UNIT 4 of ALTAMONT ADD'N

OWNER: U-HAUL of NEW MEXICO
317 COMMERCIAL N.E.
ALBUQUERQUE, N.M.

G18-D21

DUANE LEE LOGAN REGISTERED PROFESSIONAL ENGINEER N.M. 2306

3-8-84
247-0102

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 these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with Public Works Contract No. 84-1.
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 RESIDENTIAL street use.

Farmer Corp. Olg Jones

Revision D-24

APPROVALS	NAME	DATE
A.C.E./DESIGN	[illegible]	16 Nov 84
INSPECTOR	[illegible]	11/14/84
A.C.E./FIELD	[illegible]	11/14/84

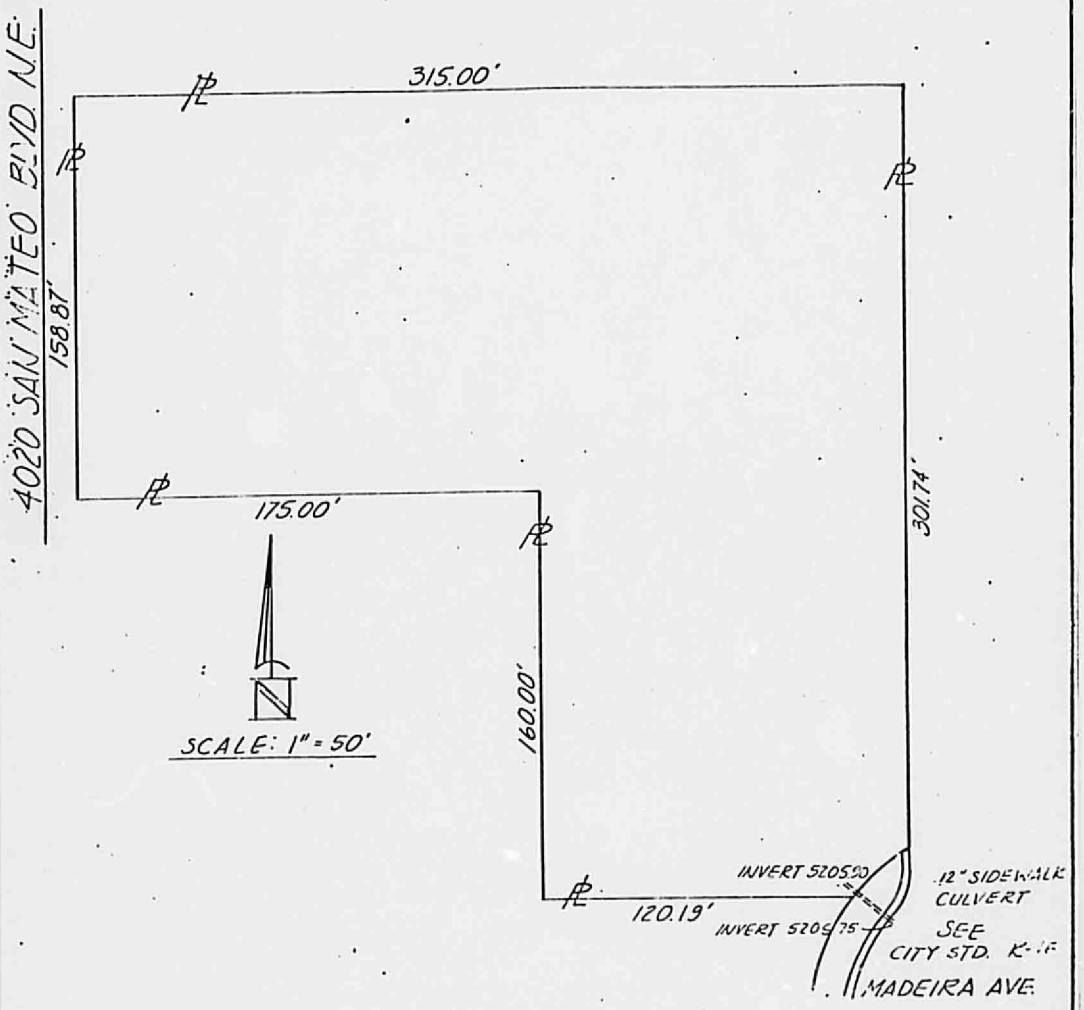
TITLE: U-HAUL OF NEW MEXICO
TRACT 'D' (LOTS ID & IF) of LOT 1 BLOCK 48
TRACT DRAINAGE THRU SIDEWALK

PERMIT NO. 15 980 | MAP NO. G-18

SHEET 1 OF 2

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



Okay Tom

D-24 Revision

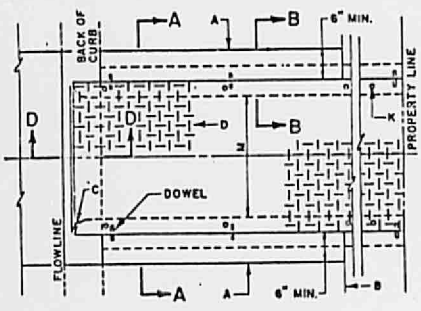
APPROVALS	NAME	DATE
A.C.E./DESIGN	G. Kulick	11/14/84
INSPECTOR	Gerard G.	11/8/84
A.C.E./FIELD	W. T. Mc Cameron	11/14/84

TITLE: U-HAUL OF NEW MEXICO
TRACT "D" (LOTS 10 & 11) of LOT 1, BLOCK 48
TRACT DRAINAGE THRU SIDEWALK

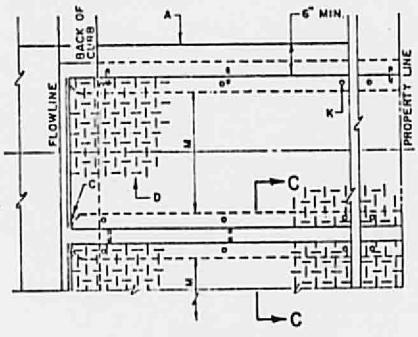
PERMIT NO.

SHEET 2 OF 2

MAP NO. G-16



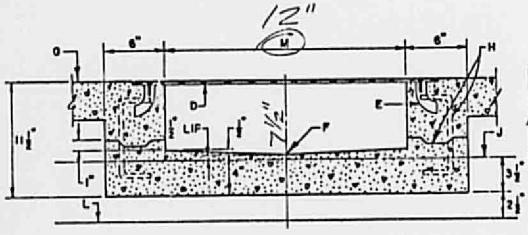
PLAN
SINGLE CULVERT



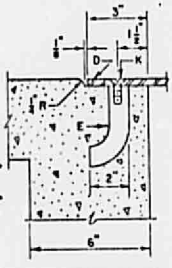
PLAN
MULTIPLE CULVERT

GENERAL NOTES:

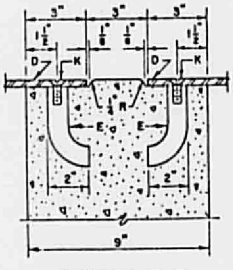
1. Placement of drain thru exist. sidewalk, curb and gutter will require removal and replacement of entire stones of sidewalk, curb and gutter as detailed herein.
2. Bottom slab of culvert shall be poured monolithically with new gutter.
3. The invert shall be troweled and retroweled to produce a hard polished surface of max. density and smoothness. "V" invert shall be V-shaped to within 3' of the outlet and warped from this point to outlet. Invert at outlet shall parallel gutter flowline unless otherwise shown on plans.
4. Surface of all exposed concrete shall match the grade, color, finish and scoring of adjacent curb and sidewalk.
5. Sidewalk replaced during construction shall be poured monolithically with culvert walls.
6. Stainless steel rod anchors drilled and lapped for flat-head machine screws, spaced 24" o.c. max. and a min. of 2 per side per plate. There shall be an anchor within 6" of each end. Anchors shall be attached to the plate and the plate secured in place prior to pouring the walls.
7. The culvert steel top plate shall be cut perpendicular to the walls unless otherwise specified. Lengths shall be such that the weight per plate does not exceed 300 lbs. It shall be stressed relieved after fabrication. After cleaning surface of scale, rust, etc., the plate and framing members shall be painted with one shop coat red oxide and two finish coats of aluminum paint (AASHO M29).
8. Joint and Dowels optional. Dowels spaced 24" o.c. max., 1½" min. clearance from face of concrete, may be inclined if necessary.
9. The City does not accept responsibility for maintenance for any drain lines installed by or for private property owners.



SECTION A-A



SECTION B-B

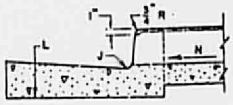


SECTION C-C

CONSTRUCTION NOTES:

A. JOIN NEAREST SCORE LINE OR WEAKENED PLANE JOINT, PLACE ½ EXPANSION JOINT MATERIAL.
B. SIDEWALK OR SETBALK, (VARIABLE).
C. 3" RADIUS, (TYPICAL).
D. ¾" CHECKERED STEEL PLATE CULVERT TOP.
E. ROD ANCHOR 1" X 5".
F. "V" INVERT.
G. SIDEWALK GRADE.
H. DOWEL AND JOINT, (OPTIONAL).
J. GUTTER FLOWLINE ELEV.
K. ¾" X 1" F.H. C'SUNK STAINLESS STL. MACHINE SCREW.
L. BOTTOM OF GUTTER.
M. DRAIN WIDTH, 24" MAX. 12" MIN.
N. SLOPE ¼" PER FT. MIN.

DOWEL DETAIL



SECTION D-D

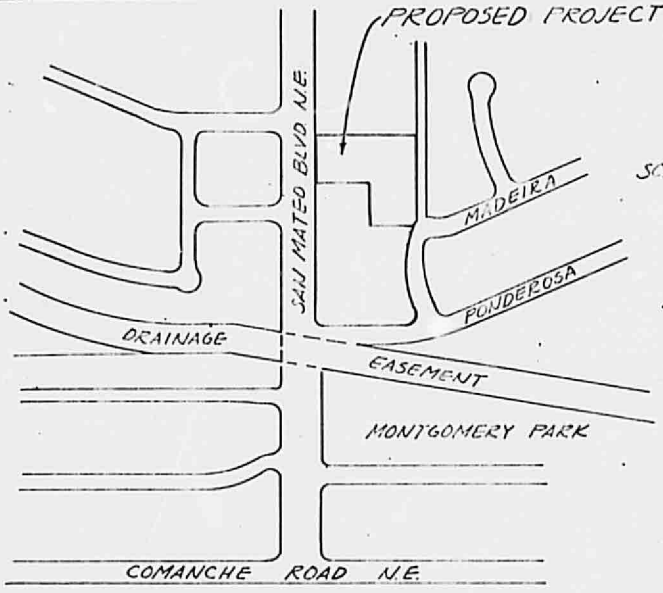
REVISIONS
FEB.10-82

CITY OF ALBUQUERQUE

DRAINAGE
SIDEWALK CULVERT
WITH STEEL PLATE TOP
DWG. K-16-1 JAN 1981

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



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DUANE LEE LOGAN
N.M.
2300
REGISTERED PROFESSIONAL ENGINEER

3-8-84
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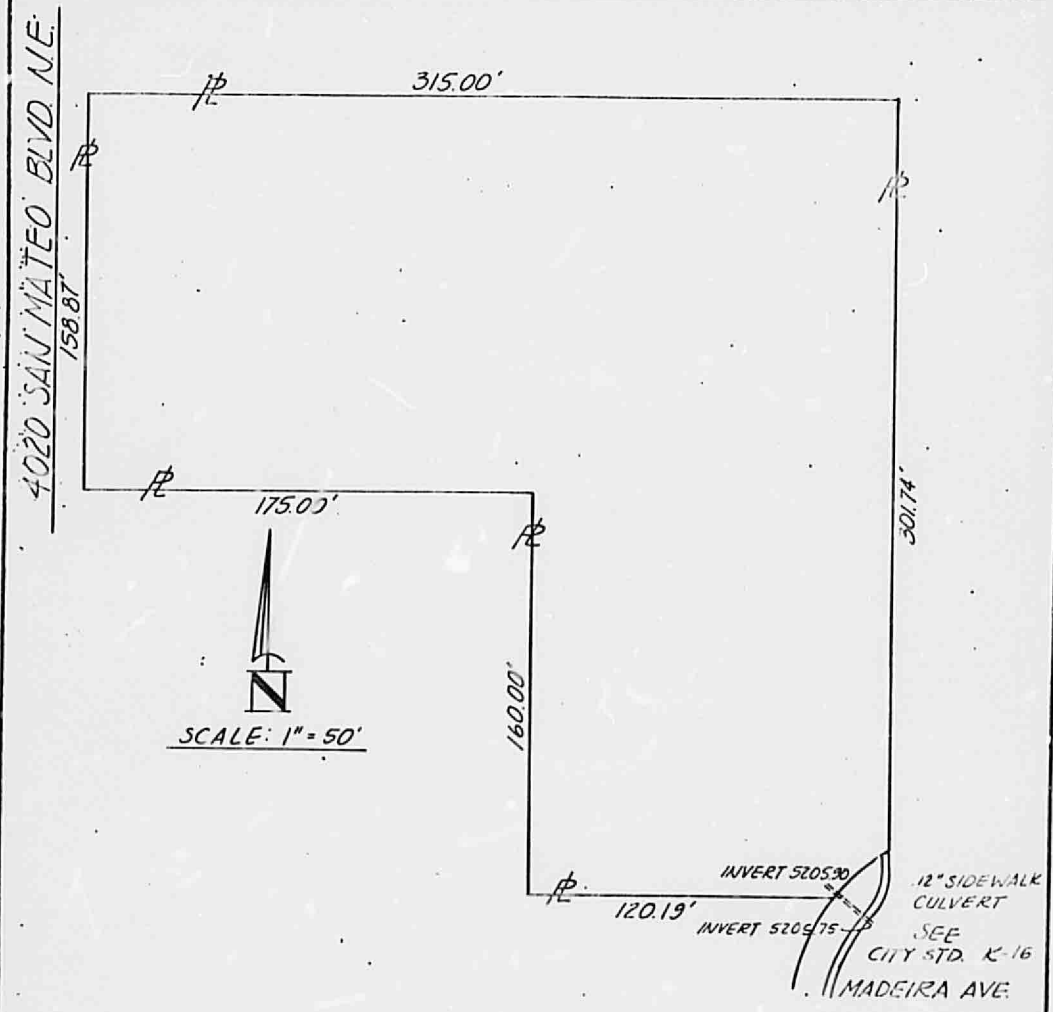
Revision D-24

APPROVALS	NAME	DATE	TITLE: U-HAUL OF NEW MEXICO TRACT "D" (LOTS 10 & 11) of LOT 1 BLOCK 48 TRACT DRAINAGE THRU SIDEWALK
A.C.E./DESIGN	[illegible]	8 Mar 84	
INSPECTOR			PERMIT NO.
A.C.E./FIELD			SHEET 1 OF 2 MAP NO. [illegible]

CITY OF ALBUQUERQUE

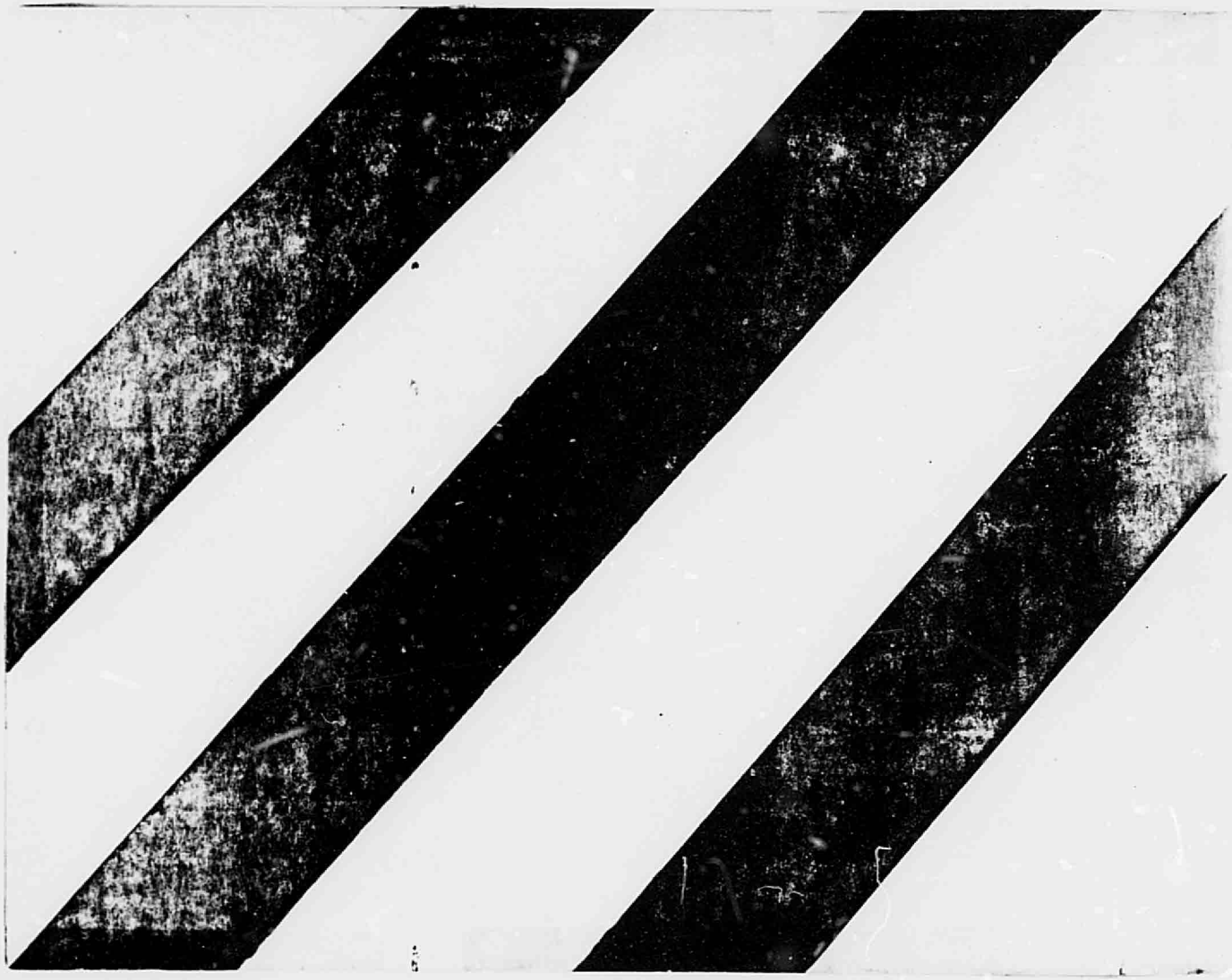
DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



D-24 Revision

APPROVALS	NAME	DATE
A.C.E./DESIGN	J. Kelly	16 Mar 84
INSPECTOR		
A.C.E./FIELD		

TITLE: U-HAUL OF NEW MEXICO
TRACT "D" (LOTS 1D & 1F) of LOT 1, BLOCK 48
TRACT DRAINAGE THRU SIDEWALK

PERMIT NO.
SHEET 2 OF 2

MAP NO. G-18