



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 5, 1996

Duane Logan
Consulting Civil Engineer
4124 Dietz Farm Circle NW
Albuquerque, NM 87107

RE: REVISED DRAINAGE PLAN FOR PRINCETON DU-PLEX (K16-D49)
REVISION DATED 2/22/96.

Dear Mr. Logan:

Based on the information provided on your February 22, 1996 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
Ron Lobato
~~File~~

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Princeton Du-plex ZONE ATLAS/DRNG. FILE #: (K16-D49)
DRB #: N/A EPC #: N/A WORK ORDER #: N/A
LEGAL DESCRIPTION: Lot 18, Block 18, University Heights Subdivision
CITY ADDRESS: 213 Princeton Ave. , SE
ENGINEERING FIRM: Duane Logan CONTACT: Same
ADDRESS: 501 Kinley, NE PHONE: 344-8100
OWNER: Salazar and Associates CONTACT: Michael Salazar
ADDRESS: 8670 Wolff Ct., Westminister CO PHONE: (303) 426-8931
ARCHITECT: None CONTACT: _____
ADDRESS: _____ PHONE: _____
SURVEYOR: Duane Logan CONTACT: See Above
ADDRESS: _____ PHONE: _____
CONTRACTOR: Ron Lobato CONTACT: Same
ADDRESS: 11223 Sidney NE 87111 PHONE: 271-9499

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN REVISED
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL

☒ BUILDING PERMIT APPROVAL #9600509

☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

PRE-DESIGN MEETING:

☒ YES 1/29/96

☐ NO

☐ COPY PROVIDED

See K16-D36

FEB 22 1996

DATE SUBMITTED: Feburary 22, 1996

BY: Duane Logan

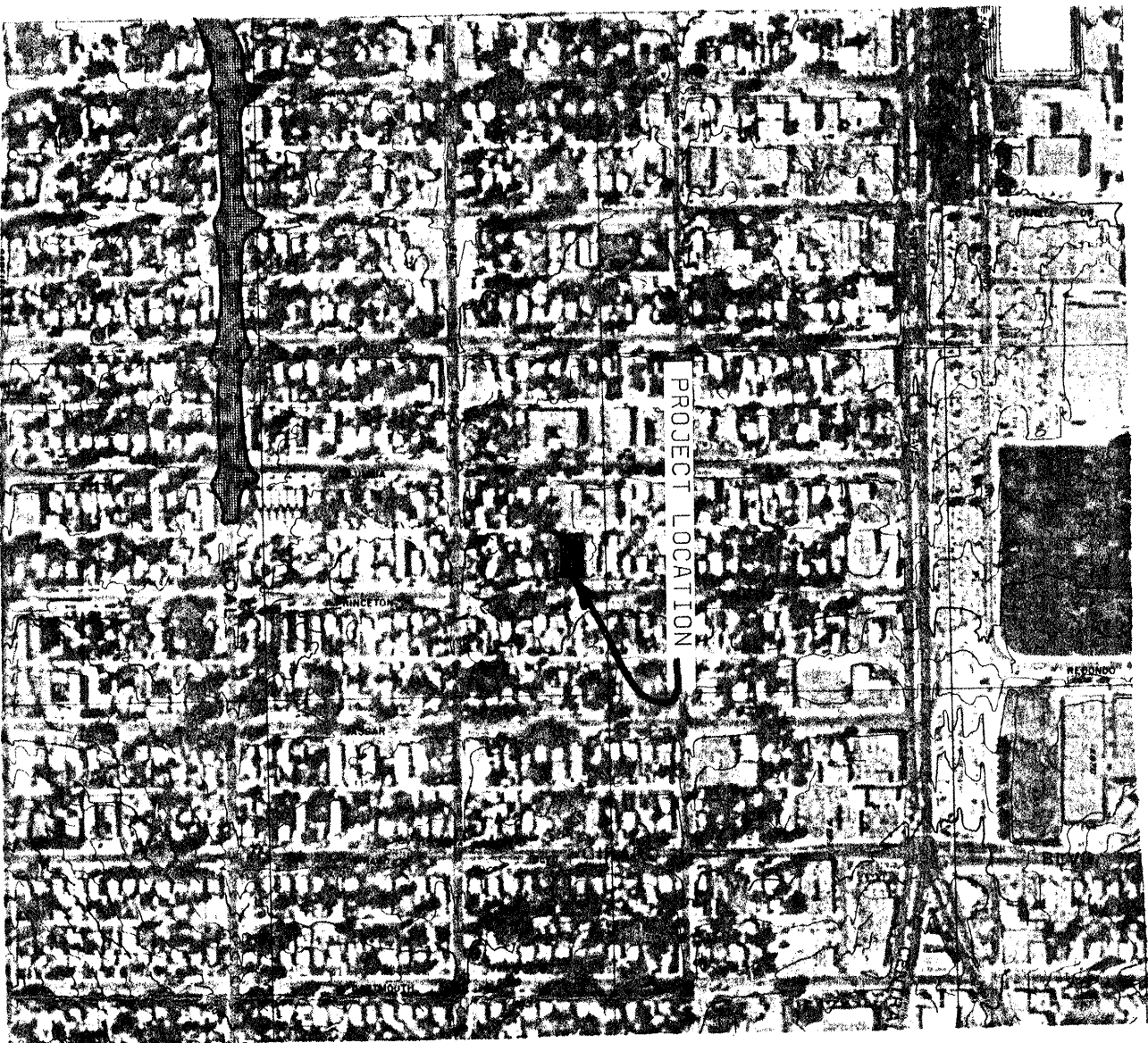
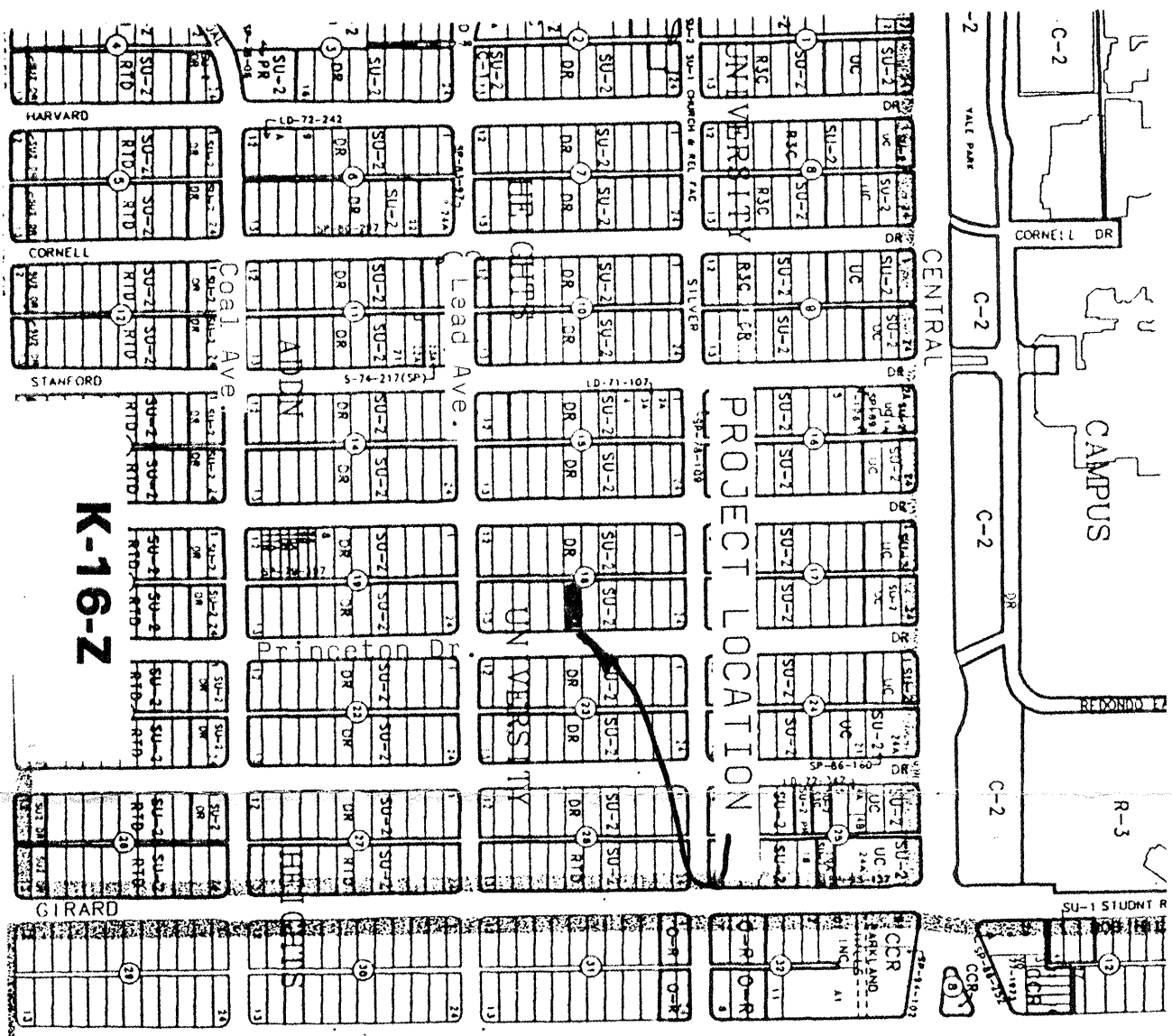
SURFACE WATER MANAGEMENT PLAN

LOT 18 BLOCK 18
UNIVERSITY HEIGHTS SUBDIVISION
ALBUQUERQUE, NEW MEXICO

ZONE MAP K-16-Z FLOOD PANEL 0029

SOIL TYPE "B" BENCHMARK 13-K16 AT 5187.39

FILE NO. K-16-D-49 APPROVED



LOCATION MAP

FLOOD MAP

HYDROLOGY:

Reference: Section 22.2 of the Development Process Manual, City of Albuquerque, New Mexico, January 1993.

Existing Site Conditions: Area = 142' * 50' = 7100 sq. ft. = 0.163 acres.

Per Table A-1, Zone 2 applies.

Per Table A-4, Treatment "G" applies for 4930 sq. ft. = 69% = 0.112 ac.

Treatment "G" applies for 700 sq. ft. = 10% = 0.016 ac.

Treatment "D" applies for 1480 sq. ft. = 21% = 0.034 ac.

Per Table A-8, Excess precipitation = 0.53" for "A", 0.78" for "B",

1.13" for "C", and 2.12" for "D".

Existing Runoff Volume: Weighted "W" = (0.112 * 0.78") + (0.016 * 1.13") + (0.034 * 2.12") / 0.163 = 1.09" and 1.09" * 0.163 = 0.178 and 1/12 = 0.015 ac. ft. = 644 cu. ft.

Off-Site Area: None

Proposed Conditions: The proposed construction consists of a 920 sq. ft. of roofed area and 1140 sq. ft. of paved parking, replacing an existing 240 sq. ft. garage and 400 sq. ft. of existing gravel driveway to create an additional 1820 sq. ft. of Treatment "D" and 400 sq. ft. less of Treatment "G". Treatment "D" = 3300 sq. ft., Treatment "G" = 300 sq. ft., and Treatment "W" = 3500 sq. ft. and "D" = 47%, "G" = 4%, and "W" = 48%. Runoff volume, primarily to the alley, increases 26% for "D", and decreases "G" by 68 and "W" by 21%. Weighted "W" = (0.078 ac. * 0.78") + (0.007 ac. * 1.13") + (0.077 ac. * 2.12") / 0.163 = 1.37" and 1.37" * 0.163 ac. = 0.224 and 1/12 = 0.019 ac. ft. = 813 cu. ft. = 169 cu. ft. additional, primarily to the alley.

Peak Discharge: Per Table A-9, "G"/acre"

Treatment "G" = 2.28" * 48% * 0.163 ac. = 0.18 cfs.

Treatment "W" = 3.14" * 48% * 0.163 ac. = 0.02 cfs.

Treatment "D" = 4.70" * 47% * 0.163 ac. = 0.36 cfs.

Total = 0.56 cfs, primarily to the alley.

EROSION CONTROL NOTES:

- The contractor shall be responsible for compliance of the following:
- No sediment bearing water shall be allowed to discharge from the site during construction.
- During grading operations and until the project has been completed all adjacent property, rights of way and easements shall be protected from flooding.
- Any and all sedimentation originating from the site which is deposited within public right of way shall be promptly removed by the contractor.
- Control of sediment laden waters will be accomplished by the contractor's use of adequate silt traps. The traps shall be located along the downstream perimeter of the property.

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- FLOWLINE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- TOP OF PAYMENT
- TOP OF CONCRETE
- TOP OF CURB

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