

FILE COPY



# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz  
Mayor

UTILITY DEVELOPMENT DIVISION  
HYDROLOGY SECTION  
(505) 768-2650

June 24, 1987

Louis Gross, P.E.  
Logan/Gross & Associates, Inc.  
925 Sixth Street, NW Suite 3  
Albuquerque, New Mexico 87102

RE: REVISED DRAINAGE PLAN FOR APARTMENT COMPLEX @ 321 TENNESSEE, NE  
(K-19/D85) REVISION DATE JUNE 18, 1987


Dear Louis:

Based on the information provided on your resubmittal of June 18, 1987,  
the above referenced plan is approved for Building Permit.

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

If I can be of further assistance, please feel free to call me at  
768-2650.

Cordially,

  
Bernie J. Montoya, C.E.  
Engineering Assistant

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE INFORMATION SHEET  
Bernalillo County, N.M.

PROJECT TITLE: Apartment Complex ZONE ATLAS/DRNG. FILE #: K19/D 85

LEGAL DESCRIPTION: Tract A, Block 18, Mesa Verde Addition

CITY ADDRESS: 321 Tennessee N.E.

ENGINEERING FIRM: Logan/Gross & Assoc. CONTACT: Louis Gross

ADDRESS: 925 6th N.W. Suite 3 PHONE: 243-5363

OWNER: Joe Lopez CONTACT: Joe Lopez

ADDRESS: 1003 Camino Ranchitos N.W. PHONE: 897-4917

ARCHITECT: Joe Lopez CONTACT: Joe Lopez

ADDRESS: 1003 Camino Ranchitos N.W. PHONE: 897-4917

SURVEYOR: Logan/Gross & Assoc. CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

CONTRACTOR: Not selected yet. CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

PRE-DESIGN MEETING:

☒ YES

☐ NO

☒ COPY OF CONFERENCE RECAP  
SHEET PROVIDED

DRB NO. \_\_\_\_\_

EPC NO. \_\_\_\_\_

PROJ. NO. \_\_\_\_\_

TYPE OF SUBMITTAL:

☒ DRAINAGE REPORT

☒ 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

☒ BUILDING PERMIT APPROVAL

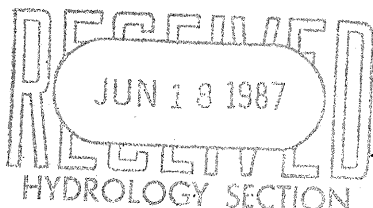
☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER \_\_\_\_\_ (SPECIFY)



DATE SUBMITTED: 5/20/87 Revision of approved plan 6/18/87

BY: Louis W. Gross

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# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz  
Mayor

UTILITY DEVELOPMENT DIVISION  
HYDROLOGY SECTION  
(505) 768-2650

May 27, 1987

Louis Gross, P.E.  
Logan/Gross & Associates, Inc.  
925 Sixth Street, NW Suite 3  
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR APARTMENT COMPLEX @ 321 TENNESSEE, NE  
(K-19/D85) ENGINEER'S STAMP DATED MAY 20, 1987

Dear

Based on the information provided on your submittal of May 20, 1987, the above referenced plan is approved for Building Permit.

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

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

*Bernie J. Montoya*  
for Bernie J. Montoya, C.E.  
Engineering Assistant

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

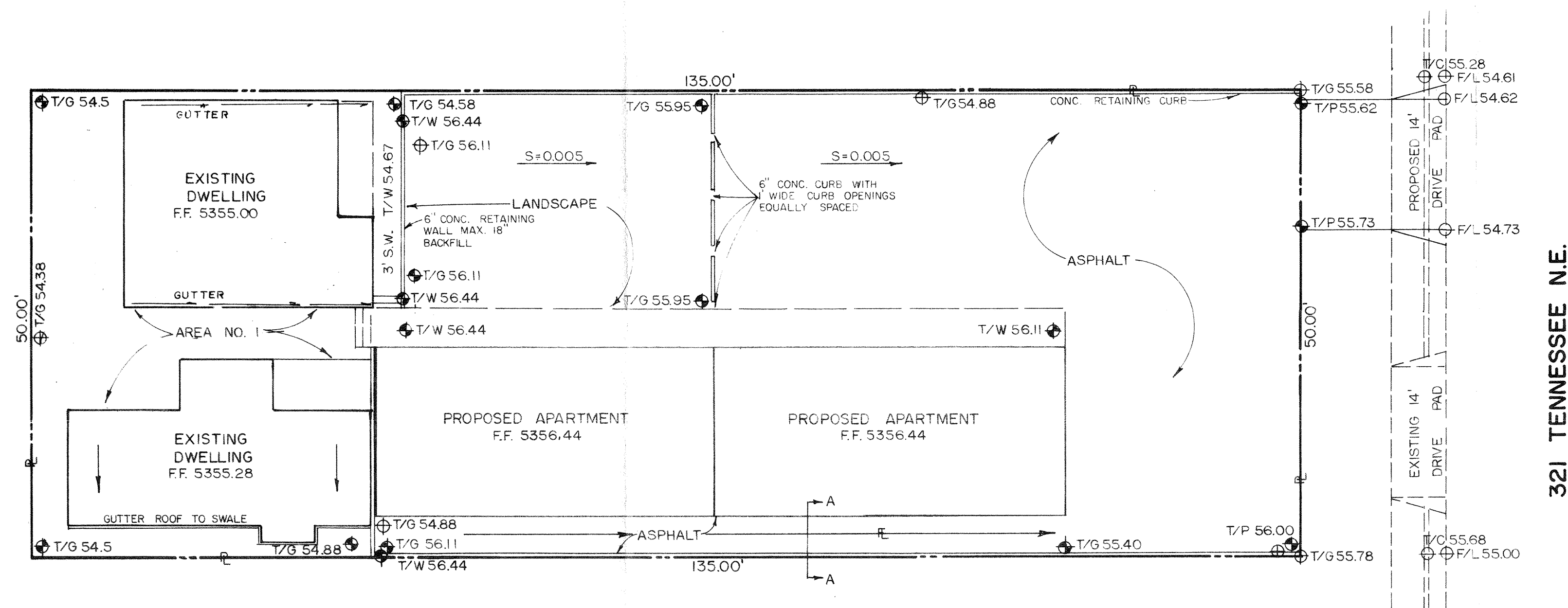
ENGINEERING GROUP

Telephone (505)

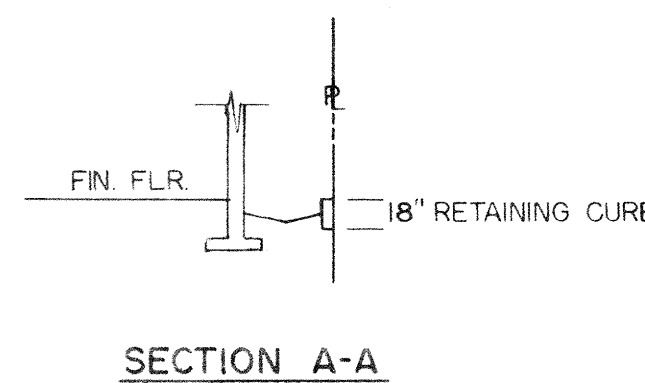
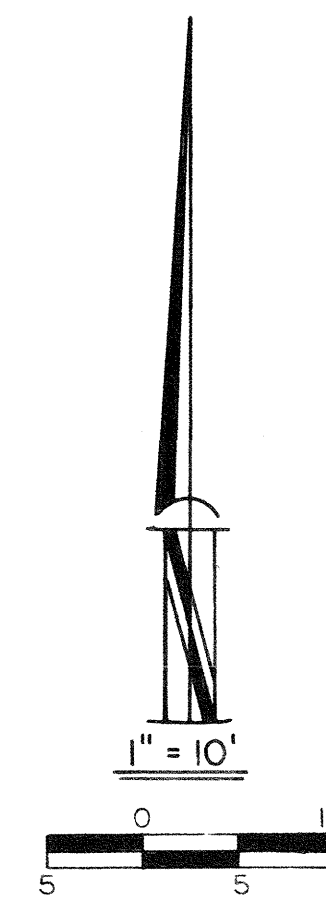
AN EQUAL OPPORTUNITY EMPLOYER

# **DRAINAGE PLAN** **TRACT "A", BLOCK 18** **MESA VERDE ADDITION** **ALBUQUERQUE, N.M.**

ZONE MAP K-19 BENCHMARK STA. UNM-A51 ELEV. 5367.28  
 FLOOD MAP PANEL 30 SOIL TYPE "B"  
 TOTAL AREA = 6750 S.F. = 0.1550 AC.  
 K19/ D 85 APPROVED: 5/27/87



321 TENNESSEE N.E.



**LEGEND**

- PROPERTY LINE ————
- EXISTING SPOT ELEVATION ⊕
- PROPOSED SPOT ELEVATION ⊕
- EXISTING CURB & GUTTER ————
- FLOW DIRECTION ————

## **HYDROLOGY**

**EXISTING:**  
 ROOF = 1101 S.F. X 0.90 = 991  
 GRAVEL = 5649 S.F. X 0.95 = 5367  
 6750 6359

C = 6359/6750 = 0.94 A = 0.155 AC.  
 100 YR - 6 HR = 2.35 I = 2.35 X 2.3 = 5.41

Q = 0.155 X 5.41 X 0.94 = 0.79 CFS  
 CN = 88 DIRECT RUNOFF = 1.3"

V = 1.3/12 X 6750 = 731 CF  
 ALL RUNOFF GOES OUT BACK OF LOT

**DEVELOPED:**  
 ROOF = 2729 X 0.90 = 2456  
 ASPHALT = 2494 X 0.95 = 2369  
 LANDSCAPE = 759 X 0.25 = 190  
 UNDEVELOPED = 768 X 0.45 = 346  
 6750 5361

C = 5361/6750 = 0.79

Q = 0.155 X 5.41 X 0.79 = 0.66 CFS  
 CN = 85 DIRECT RUNOFF = 1.2"

V = 1.2/12 X 6750 = 675 CF

**AREA NO. 1**  
 ISOLATED AREA DUE TO EXISTING DWELLINGS

A = 768 S.F.

V = 1.2/12 X 768 = 76.8 CF

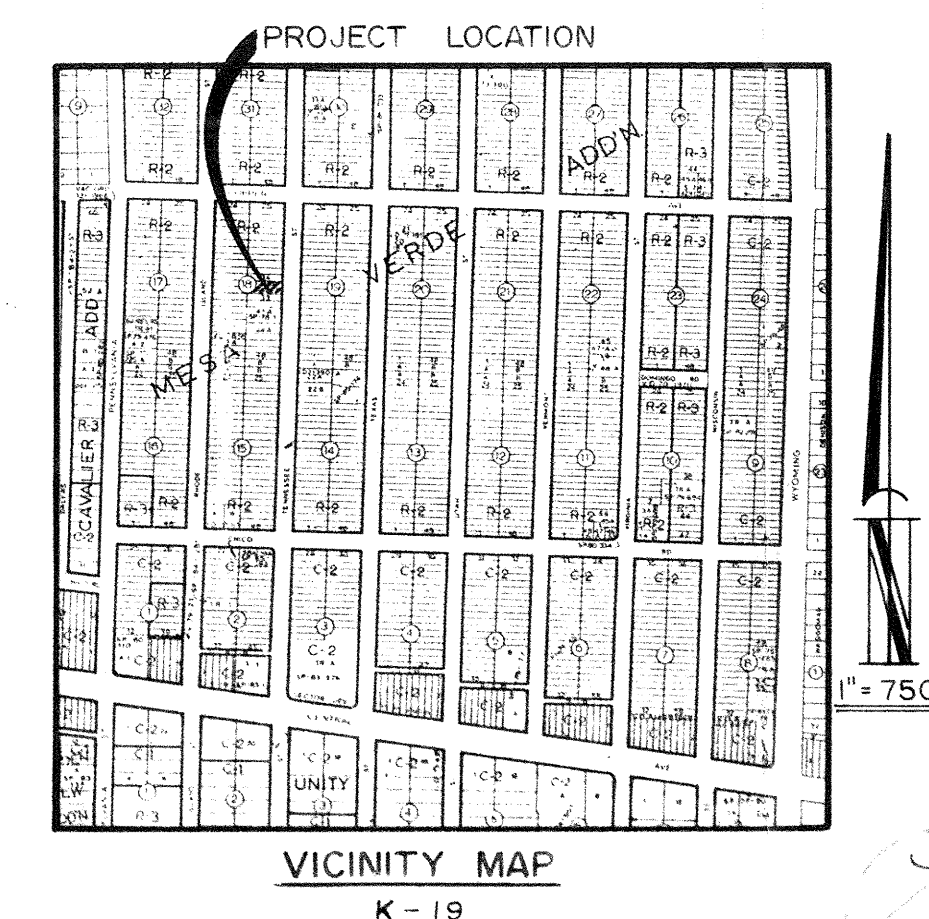
## **DOWNSTREAM CONDITIONS**

THIS DEVELOPMENT WILL REDUCE PEAK FLOW AND TOTAL VOLUME OF STORM WATER FROM THIS TRACT. THEREFORE THE DEVELOPMENT WILL HELP DOWNSTREAM CONDITIONS.

## **EROSION CONTROL NOTES**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

1. NO SEDIMENT-BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY AND EASEMENTS SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PROMPTLY AND COMPLETELY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT-LADEN FLOOD WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.



REVISED 6/18/87 - REMOVED SUMP PUMP

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| LOGAN/GROSS & ASSOCIATES, INC.<br>CONSULTING CIVIL ENGINEERS<br>925 6TH ST. N.W. SUITE 3 243-6353<br>ALBUQUERQUE, NEW MEXICO 87102 |  |
| DRAINAGE PLAN<br>FOR JOE LOPEZ<br>AT 321 TENNESSEE N.E.<br>ALBUQUERQUE, N.M.   | FILE # H-257<br>DATE 5/20/87<br>DRAWN C.L.L.<br>SHEET 1 OF 1 |