



KEN SCHULTZ
MAYOR

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 14, 1988

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

RE: REVISED DRAINAGE PLAN FOR CHREIST APARTMENTS
(L-17/D13) REVISION DATE OF AUGUST 30, 1988

Dear Mr. Gross:

Based on the information provided on your resubmittal of August 30, 1988,
the above referenced plan is approved for Foundation and 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

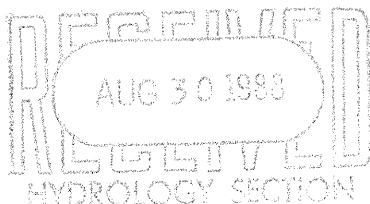
BJM/bsj
(WP+464)

DRAINAGE INFORMATION SHEET

CITY OF ALBUQUERQUE, N.M.

PROJECT TITLE: Chreist Apartment ZONE ATLAS/DRNG. FILE #: L17/D1BLEGAL DESCRIPTION: Lot 5A, Block 48, Parkland Hills AdditionCITY ADDRESS: Not assigned yet.ENGINEERING FIRM: Logan/Gross & Assoc. Inc CONTACT: Louis GrossADDRESS: 925 6th St. N.W. PHONE: 243-6353OWNER: Sunn Quality Homes CONTACT: Bill ChreistADDRESS: 7130 Coors Trail N.W. PHONE: 897-7866ARCHITECT: Chuck Maguire CONTACT: Chuck MaguireADDRESS: 1925 Apache N.E. PHONE: 255-4008SURVEYOR: Logan/Gross & Assoc. Inc. CONTACT: Louis W. GrossADDRESS: 925 6th St. N.W. PHONE: 243-6353CONTRACTOR: Sunn Quality Homes CONTACT: Bill ChreistADDRESS: 7130 Coors Trail N.W. PHONE: 897-7866

PRE-DESIGN MEETING:

☐ YES☒ NO☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

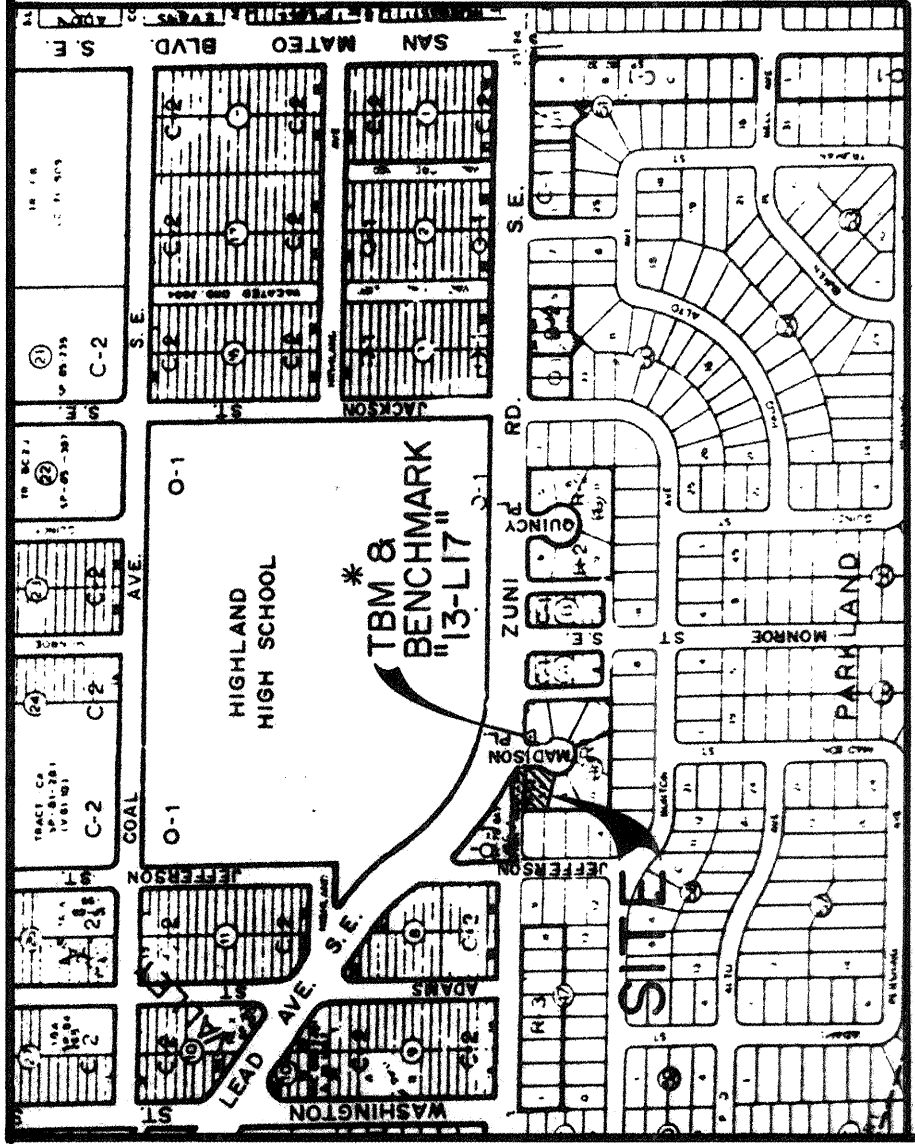
☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAINAGE PLAN☒ GRADING PLAN☐ EROSION CONTROL PLAN☐ ENGINEER'S CERTIFICATION

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: 8/17/88

BY: _____

Louis W. Gross*Revised 8/30/88*



VICINITY MAP

Zone Map L-17-Z

Scale: 1"=500'

DRAINAGE PLAN

LOT 5A, BLOCK 48
PARKLAND HILLS SUBDIVISION
ALBUQUERQUE, NEW MEXICO
ZONE MAP L17 FLOOD MAP 35
SOIL TYPE "A"
BENCHMARK "13-L17" ELEV.=5247.57
FILE N° L17/DIB APPROVED

ZUNI RD. S.E.

ZUNI RD. S.E.
(VACATED)

MADISON PL. S.E.

S.E.

AVE.

Scale: 1"=10'

HYDROLOGY

100yr - 6hr = 2.35 in I = 2.35 X 2.3 = 5.4 in/hr

D.R. No. 1

Area = 2.994 sf = 0.069 ac
Pavement = 112 X 0.95 = 106
Landscape = 1,588 X 0.25 = 397
Roof = 1,534 X 0.70 = 1,074

C = 1.719 / 2.994 = 0.57

Q = 0.57 X 5.4 X 0.069 = 0.2 cfs

Check minimum swale Section A-B

A = 0.75 P = 5.0 R = 0.15 R = 0.28

S = 0.005 S = 0.07

Q = 0.75 X 1.486 / 0.03 X 0.28 X 0.07 = 0.7 cfs - O.K.

Check pipe under side walk

Barrel control

6" PVC Pipe

A = 0.196 P = 1.57 R = 0.12 R = 0.25

S = 0.02 S = 0.15

Q = 0.196 X 1.486 / 0.013 X 0.25 X 0.15 = 0.84 cfs - O.K.

Inlet control

Q = 0.6 X 0.196 (2 X 32.2 X 0.38) = 0.72 cfs - O.K.

D.R. No. 2

Area = 5,248 sf = 0.12 ac

Landscape = 4,644 X 0.25 = 1,161

Roof = 584 X 0.90 = 526

C = 1.691 / 5,248 = 0.32

Q = 0.32 X 5.4 X 0.120 = 0.21 cfs

Check minimum swale Section B-B

A = 1.44 P = 12 R = 0.12 R = 0.24

S = 0.005 S = 0.07

Q = 1.44 X 1.486 / 0.030 X 0.24 X 0.07 = 1.2 cfs - O.K.

TOTAL FLOW TO MADISON PLACE S.E.

Area = 12,014 sf = 0.276 ac

Roof = 1,950 X 0.90 = 1,755

Landscape = 3,192 X 0.25 = 798

Pavement = 3,192 X 0.55 = 1,757

C = 6.995 / 12,014 = 0.58

Q = 0.58 X 5.4 X 0.276 = 0.86 cfs

CN = 88 Direct Run Off = 0.75 in

V = 0.75 / 12 X 12,014 = 751 cf

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 not contained within the right of way shall be promptly removed by the contractor.
- Control of sediment laden waters will be accomplished by use of a connected earth bank of adequate height. The bank shall be located along the downstream perimeters of the property.

67/G-47/83



* Revised 8/30/88

LOGAN/GROSS & ASSOC., INC.
Consulting Civil Engineers
925 6th Street N.W., Suite 3
Albuquerque, N.Mex. 87102
15051243-6353

File N° 383

Date: Aug. '88

Drawn LCG

Sheet 1 of 1