

INFORMATION SHEET

PROJECT TITLE G.G.B. Apartments TYPE OF SUBMITTAL Drainage/Grading

ZONE ATLAS PAGE NO. K-19 CITY ADDRESS 317 Pennsylvania N.E.

LEGAL DESCRIPTION Lot 52-A, Cavalier Addition

ENGINEERING FIRM Consultants Inc. CONTACT Chris Weiss

ADDRESS 1100 Alvarado N.E. PHONE 266-3444

OWNER Frank Burke CONTACT Frank Burke

ADDRESS 510 Chama N.E. PHONE 256-9893

ARCHITECT _____ CONTACT _____

ADDRESS _____ PHONE _____

SURVEYOR Ron Forstbauer CONTACT Ron Forstbauer

ADDRESS 520 Chama N.E. PHONE 268-0248

CONTRACTOR _____ CONTACT _____

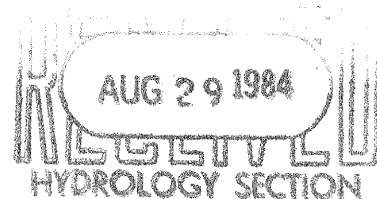
ADDRESS _____ PHONE _____

PRE-DESIGN MEETING:

- ☒ YES
☐ 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
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☐ GRADING/PAVING PERMIT APPROVAL
☐ OTHER _____ (SPECIFY)



DATE SUBMITTED: 8-29-84

BY: Chris Weiss

- 266-3444

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 21, 1987

Chris Weiss, P.E.
Weiss-Hines Engineering, Inc.
1100 Alvarado, NE
Albuquerque, New Mexico 87123

RE: REVISED DRAINAGE PLAN FOR G.G.B. APARTMENTS
(K-19/D49) REVISION BLOCK DATED JANUARY 12, 1987

Dear Chris:

Based on the information provided on your resubmittal of January 13, 1987, revisions as indicated are acceptable.

Please be advised that on any future resubmittals which have a time span of over six months of no construction, we will require an updated plan which includes all new requirements which are in effect at present.

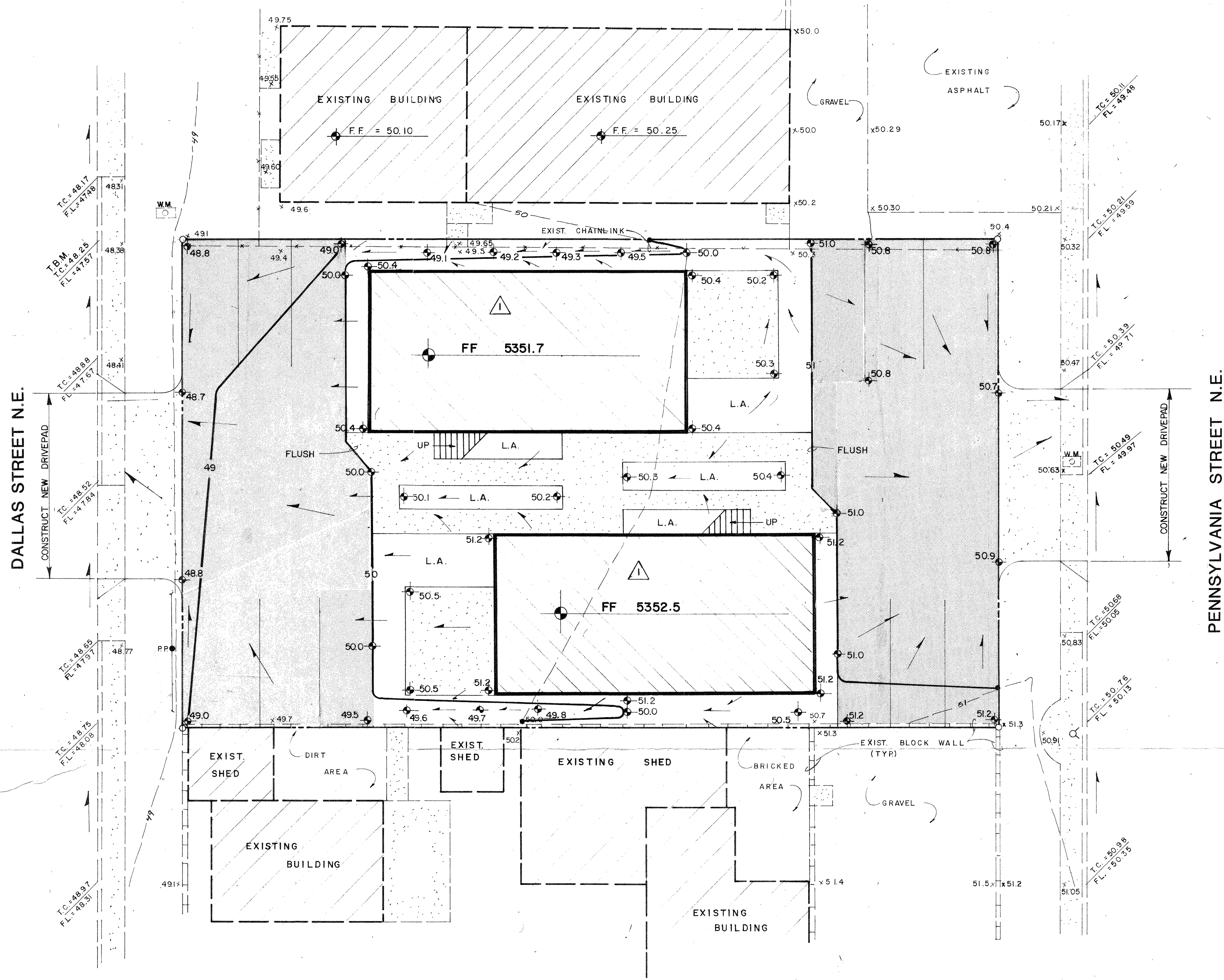
Please attach a copy of this approved plan to both sets of construction drawings submitted for building permit prior to Hydrology sign-off.

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

Cordially,

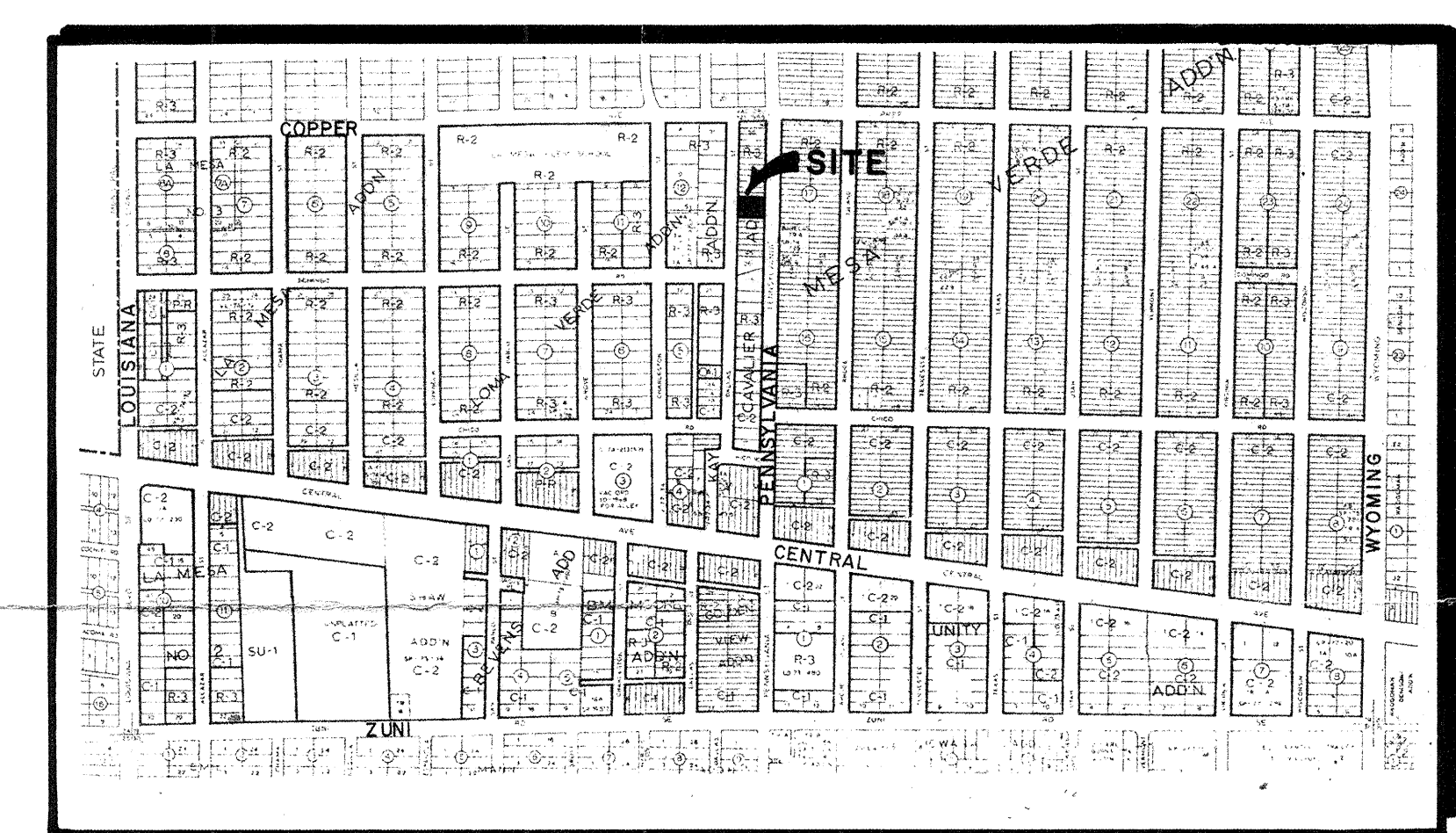
Bernie J. Montoya
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj



LEGEND

[Symbol]	ASPHALT PAVING
[Symbol]	LANDSCAPED AREA
[Symbol]	PROPERTY LINE
[Symbol]	EXISTING CURB & GUTTER W/SIDEWALK
[Symbol]	EXISTING SPOT ELEVATION
[Symbol]	EXISTING CONTOUR
[Symbol]	PROPOSED SPOT ELEVATION
[Symbol]	PROPOSED FINISHED CONTOUR
[Symbol]	SURFACE FLOW DIRECTION
[Symbol]	BUILDING STRUCTURE



VICINITY MAP K 19

REVISION, 1-12-86:
 CHANGED SITE PLAN
 Chris Weiss
 DATE 1-12-87

SCOPE:

The proposed improvements, comprised of 2 three-plex apartments, are located between Pennsylvania Street and Dallas Street, approximately one-half block south of Copper Ave.

The present site is undeveloped, with existing multi-family buildings located on each side.

The intent of this plan is to show:

- Grading relationships between the existing ground elevations and proposed finished elevations in order to facilitate positive drainage to designated discharge points.
- The extent of proposed site improvements, including buildings, walks and pavement.
- The flow rate/volume of rainfall runoff across or around these improvements and methods of handling these flows to meet City requirements for drainage management.
- The relationship of onsite improvements with existing neighboring property to insure an orderly transition between proposed and surrounding grades.

CONSTRUCTION NOTES:

- Before beginning construction, the Contractor shall check and verify pertinent figures shown here on and all applicable field measurements. Should any conflict, error or discrepancy be discovered, the Contractor shall notify the Engineer as once to resolve the problem.
- The Contractor shall be responsible for following the plans using his best skill and attention. Any departure from the plans must be approved by the Engineer and the City Planning Department prior to construction.
- The Contractor shall check the site plan for locations of existing utilities within or adjacent to streets and shall take all necessary precautions and efforts to locate and protect these utilities. He shall give 48 hours notice to Line Locating Service, 765-1234, for any work that he contemplates would interfere with said utilities.

GENERAL NOTES:

LEGAL:
 Lot 52-A, Cavalier Addition, Albuquerque, New Mexico,
 Area = 0.219 Ac

SURVEYOR:
 Ron Forstbauer Survey Company, July 1984.

B.M.s:
 10-K-19 located on the ESE corner of Pennsylvania and Copper. Elevation 5347.50.

T.B.M.s:
 NW corner of site, T.C. at property line projection, Elevations 5348.25.

SOILS:
 SCS Soils Map #31, Soil type RtC, Soil Hydrologic Group "B".

FLOOD HAZARD:
 Site is not located in or adjacent to a flood hazard area. Nearest flood area is located to the north of the site on Copper Street. (AMDS K-19).

OFF-SITE DRAINAGE:
 Site has slight slope to west. Site is bordered on north and south by existing development, with no cross drainage to site. Pennsylvania and Dallas Streets on East and West of site intercept off-site drainage from off-site basins.

EROSION CONTROL:
 Site will be developed entirely in one phase, and as such, site will not have any stockpiled earthwork subject to erosion.

CALCULATIONS:
 Based on a pre-design meeting with Billy Goolsby, City of Albuquerque Hydrology, on August 7, 1984, the following criteria was established:
 a. The development of the site would be considered "in-fill" and because the development discharge is less than 1 cfs, free discharge from the site is allowed.

Calculations are based on the City of Albuquerque D.P.M. Manual, Vol. 11 for the 100 year-6 hour storm, using the Rational Formula to compare the existing and proposed runoff rates.

RATIONAL METHOD- Q = CIA

Area of site: 9539.6sq.ft. = 0.219Ac.

Run-off Coefficient:

Existing site:	Developed Site:
A imp. = 0 Ac	A imp. = 0.173Ac
% imp. = 0%	% imp. = 0.173/0.219 = 79%
"C" = 0.34(DPM 22.2 C-1)	"C" = 0.76(DPM 22.2 C-1)

Rainfall Intensity:

$I = P_g (6.84) T_c^{-0.51} = 5.18$ per hour
 where $P_g = 2.35$ (DPM 22.2 D-1)
 $T_c = 10$ minutes

Existing Conditions:-Drains to Dallas St.	Developed Conditions:-Drains to Dallas St.
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$Q_{100} = (0.34)(5.18)(0.219) = 0.4cfs$	$Q_{100} = (0.76)(5.18)(0.15) = 0.6cfs$
$V_{100} = (Q_{100})(5 T_c)(60 \text{ sec/in})/2 = 600 \text{ cu. ft.}$	$V_{100} = (0.6)(50)(60)/2 = 900 \text{ cu. ft.}$

Existing Conditions:-No drainage to Pennsylvania Street	Developed Conditions:-Drains to Pennsylvania Street
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$Q_{100} = (0.76)(5.18)(0.07) = 0.3 \text{ cfs}$	$V_{100} = (0.3)(50)(60)/2 = 450 \text{ cu. ft.}$
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SUMMARY:

$\Delta Q_{100} = (0.9)-(0.4) = 0.5cfs \text{ (increase)}$
 $\Delta V_{100} = (1350)-(600) = 750 \text{ cu. ft. (increase)}$

DRAINAGE / GRADING PLAN
 g.g.b. apts.
 317 pennsylvania n.e.

CTS INC. ENGINEERING
 1100 ALVARADO N.E. SUITE A
 ALBUQUERQUE, NEW MEXICO 87110
 (505) 266-3444

REVISIONS	DATE
AS SHOWN	1-86
DESIGNED	6/29
DRAWN	6/24
CHECKED	6/24

APPROVED
 JAN 13 1987
 HYDROLOGY SECTION

Professional Engineer Seal:
 CRISTOPHER L. WEISS
 State of New Mexico
 License No. 10000

SHEET 1 OF 1