HYDROLOGY D23/D2c 1 PLAN

D23/D2C

1 PLAN

ENGINEERS ARCHITECTS PHOTOGRAMMETRISTS

BOHANNAN-HUSTON INC.

COURTYARD I 7500 JEFFERSON STREET, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 823-1000
UNIVERSITY PLAZA SUITE 104 330 GARFIELD SANTA FE, NEW MEXICO 87501 (505) 988-7671
6713 VISCOUNT BLVD EL PASO, TEXAS 79925 (915) 778-4491

May 5, 1987

Mr. Carlos Montoya
County Flood Plain Administrator
County of Bernalillo
P.O. Box 1293
Albuquerque, NM 87103

RECEIVED
MAY 05 1987
HYDROLOGY SECTION

Re: Drainage Plan for Lot 1217 Rock Rose in Sandia Heights

Dear Carlos:

Attached for your review is a drainage plan for the referenced lot. The drawing indicates:

a) existing contour and spot elevation information

b) house location and layout

c) proposed FF elevations

d) approximate limits of 100-year flood plain

As you can see, the southeast corner house sets approximately 15' away from the embankment edge, which is approximately 4' high. As indicated on the attached FIRM map, the flood plain adjacent to the property is an AO (Depth 2) designation. Based on our previous discussions, it is my understanding that FF elevations should be approximately one foot above the "worst" case flood elevation, which in this case would be 2.5' above the bottom of the arroyo. The pad elevations have been set with this criteria in mind.

Due to the distance of the structure from the embankment, I am not proposing any stabilization along the embankment edge.

Please contact me if you have any questions.

Truly yours,

Brian G. Burnett, P.E.
Vice President

Attachment

cc: George Bolling

/da
Job No. 72191

PRINCIPALS
LARRY W. HUSTON
MICHIAL M. EMERY, P.E.
DANA C. WOOD, P.E.
ANDRES ARAGON VIAMONTE
DARRELL L. WADE, P.E.
JAMES V. DOMENICK, P.E.
BRIAN G. BURNETT, P.E.

FILE COPY

BOARD OF COUNTY COMMISSIONERS
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DISTRICT 3
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ALEX ABEYTA, JR., COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ALVIN J. CAMPBELL, SHERIFF
JAMES B. LEWIS, TREASURER
DOLORES C. WALLER, COUNTY CLERK
JACK H. DARLING, ASSESSOR
ROBERT H. SCOTT, PROBATE JUDGE

May 11, 1987

Brian Burnett, P.E.
Bohannan-Huston, Inc.
7500 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: DRAINAGE PLAN FOR BOLLING RESIDENCE 1217 ROCK ROSE (D-23/D2C)
RECEIVED MAY 5, 1987

Dear Mr. Burnett:

The above referenced plan dated May 5, 1987, is approved in compliance with the Floodplain Ordinance. Prior to release of the building permit a fee of $20.00 is required.

Upon completion of the project, the owner's engineer must certify.

If you should have any questions, please call me at 768-2650.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/bsj

DRAINAGE INFORMATION SHEET COUNTY

PROJECT TITLE: Drainage Plan for Lot 1217 Rockrose ZONE ATLAS/DRNG. FILE #: D-23/D2C

LEGAL DESCRIPTION:

CITY ADDRESS: 1217 Rock Rose

ENGINEERING FIRM: Bohannan Huston CONTACT: Brian Burnett

ADDRESS: 500 Jefferson NE 87109 PHONE: 823-1000

OWNER: George Bolling CONTACT: George Bolling

ADDRESS: PHONE:

ARCHITECT: / CONTACT:

ADDRESS: PHONE:

SURVEYOR: / CONTACT:

ADDRESS: PHONE:

CONTRACTOR: / CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

___ YES

X NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED MAY 0 1987 HYDROLOGY SECTION

DRB NO. ___

EPC NO. ___

PROJ. NO. ___

TYPE OF SUBMITTAL:

X DRAINAGE REPORT

X 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

X BUILDING PERMIT APPROVAL COUNTY

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 5/8/87

BY: Brian Burnett

BOARD OF COUNTY COMMISSIONERS
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DEVELOPMENT PERMIT AND FLOOD PLAIN ELEVATION CERTIFICATE

1. Building Owner Mr. George Bolling
2. Property Address Lot 1217 Sandia Heights South Unit 12
3. Property Improvements SFD
4. Certification:

The aforementioned property improvement has been identified as being in/out of the 100-year storm flood plain (FIRM map designation C, Community Panel 350001-0011).

Note: See attached certificate of survey

Section I In order to comply with the County of Bernalillo FLOOD DAMAGE ORDINANCE (Ordinance No. 81-36) the property improvements described above shall be constructed to USGS mean sea level elevation of _____. If the improvements include a mobile home unit, then tie-downs shall/shall not be required.

Section II I, hereby certify that the aforementioned improvements have been constructed and elevated to USGS mean sea level elevation of _____, and that the tie-down requirement, if applicable, have been satisfied as per the Flood Damage Ordinance.

Name Paula A Moultyn 11/25/87

Title City-County Floodplain Admin.

New Mexico Professional Engineering or Land Survey Number _____

SANDIA HTS SOUTH LOT 1217

FRED DENNEY & ASSOCIATES, INC.

CONSULTING ENGINEERS

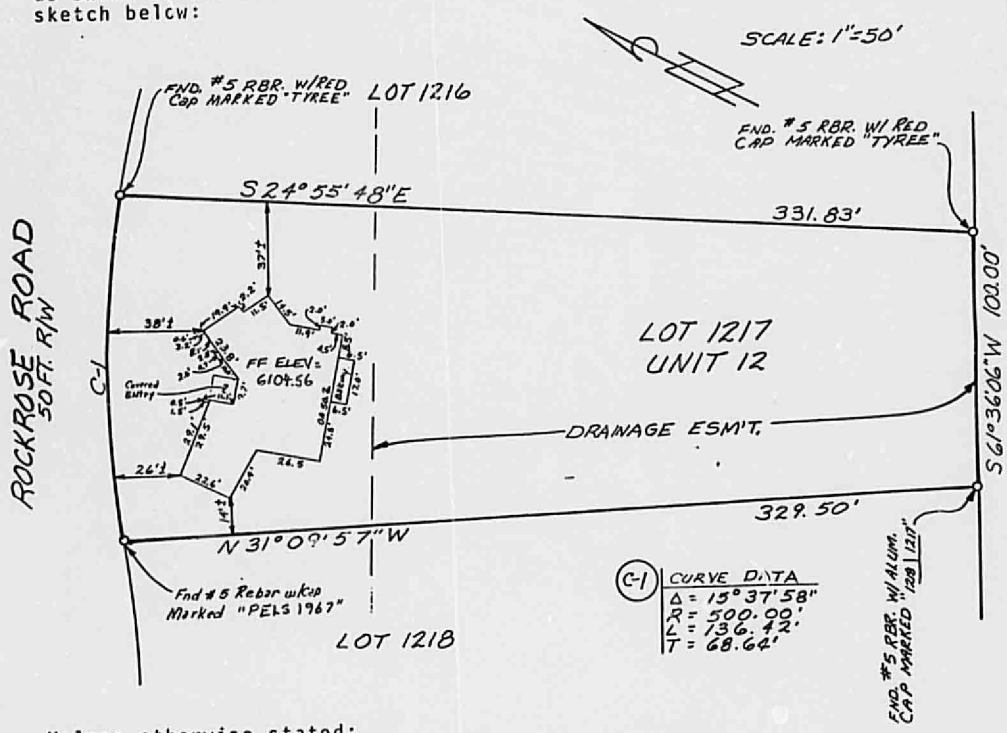
2400 COMANCHE RD., NE
ALBUQUERQUE, NEW MEXICO 87107
PHONE (505) 884-0696

CERTIFICATE OF SURVEY

This is to certify that the undersigned, a duly qualified Land Surveyor, licensed under the laws of the State of New Mexico, has on November 19th, 19 87 performed a survey of that certain property more particularly described as follows:

Lot numbered 1217, Sandia Heights South, Bernalillo County, New Mexico, as the same is shown and designated on the plat of Sandia Heights South Unit 12, a Subdivision in Bernalillo County, New Mexico, filed for Record in the Office of the Clerk of Bernalillo County, New Mexico, in Volume D6, Folio 121, on February 12, 1975.

That to the best of my knowledge and belief the boundaries of the land are as shown on the sketch below and the improvements exist as indicated on th sketch below:



Unless otherwise stated:

No stakes or monuments set in making this survey.

Lot dimensions, and easements are shown hereon according to the filed plat (any existing easements not shown on the filed plat are not included in this certificate).

Building and set-back dimensions shown hereon are field measurements taken to and/or along the building faces.

Outside railing, fences, walls, copings, planters, ponds, steps, slabs, wal driveways, and projections beyond said building face are not included in this certificate.

In witness whereof I have hereunto set my hand and seal this 23rd day of November, 1987.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 1967

N.M. Registered Land Surveyor No. 1967