HYDROLOGY C2 3/D3 1 PLAN

C 23/D3

1 Plan

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State of New Mexico

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

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ROBERT H. SCOTT, PROBATE JUDGE

December 5, 1986

Ralph Roybal
Post Office Box 10386
Albuquerque, New Mexico 87184

RE: LOT 8-1, UNIT 8, SANDIA HEIGHTS SOUTH

Dear Mr. Roybal:

As per your request, we have reviewed the drainage plan dated May 22, 1986, designed my Mr. Subhas K. Shaw (N.M.P.E. 6390), which was approved on May 23, 1986. Attached to this letter is certification by Mr. Shaw that the drainage improvements were constructed according to plan.

If you have any questions, call me a 768-2650.

Cordially,

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

CAM/bsj

December 4, 1986

Mr. Carlos Montoya
Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: Lot 8-A, Unit 8, Sandia Heights South

Dear Carlos:

I have field inspected the above referenced property. The drainage improvements are constructed in accordance with drainage plan designed by me.

If you should have any questions, please do not hesitate to contact me.

Sincerely,

Subhas K. Shah
N.M.P.E. - 6390

cc: Ralph Roybal, Roybal Construction

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ALBUQUERQUE, NEW MEXICO 87102

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ROBERT H. SCOTT,
PROBATE JUDGE

May 16, 1985

Subhas K. Shah
4913 Larchmont, NE
Albuquerque, New Mexico 87111

RE: DRAINAGE PLAN FOR SANDIA HEIGHTS SOUTH, UNIT 8; LOT 8A
RECEIVED MAY 14, 1985 (C-23/D3)

Dear Mr. Shaw:

I have reviewed the referenced plan and forward these comments:

1. Please correct the "plot plan" scale.
2. Please date the engineer's stamp.
3. Please darken the existing contours so that they can be read and remove unnecessary lines.
4. Show the drainage easement location.
5. Indicate the 100-year flood hazard zone with the 2' depth.
6. Please show proposed contours for the total length of the property between the residence and the arroyo.
7. Submit a detail of the retaining wall. Also, indicate top of wall elevation.
8. Submit a section through the patio, retaining wall, and total length of arroyo.
9. How will the off-site flows be handled east of the residence.

May 13, 1985

RECEIVED
MAY 14 1985
HYDROLOGY SECTION

Mr. Billy Goolsby
City/County Flood Plain Administrator
County of Bernalillo
620 Lomas N.W.
Albuquerque, New Mexico 87102

Re: BP-85-617 C23/D3

Dear Billy:

As per our discussion I am attaching a copy of grading plan. The subject property Lot 8-A, Unit 8 Sandia Heights South is owned by Mr. R.L. Roybal (P.O. Box 10386, Albuquerque, New Mexico). After reviewing FIRM and Floodway Map (Panel 11 of 50), I have designed the grading as follows:

1) The property is located in Zone AO with depth 2'.
2) The existing arroyo bottom varies from elevation 6092.5 to 6090.00.
3) The finish floor elevation of the house is at elevation 6099.00 which is approximately 8' higher than the arroyo bottom.
4) The finish floor of garage is at elevation 6093.00 which is above 100 year flood hazard boundary of the arroyo and located minimum of 60' north of the 100 year flood zone.
5) The foundation of the circular patio wall is above the 100 year flood hazard boundary however bottom 2' of patio wall will be constructed as a retaining wall.

The improvements on this property are located away and above the 100 year flood hazard boundary. No flood proofing is necessary for the proposed construction.

Please review the grading plan and issue a building permit. Should you need addition information, please do no hesitate to contact me.

Sincerely,

Subhas K. Shah, P.E.
4913 Larchmont N.E.
Albuquerque, New Mexico 87111

SUBHAS K. SHAH
STATE OF NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

SS/amt

Enclosure

May 22, 1985

Mr. Carlos A. Montoya, P.E.
City/County Flood Plain Administrator
620 Lomas N.W.
Albuquerque, New Mexico 87102

Re: Drainage Plan for Sandia Heights South, Unit 8, Lot 8A (C-23/D3)

Dear Mr. Montoya:

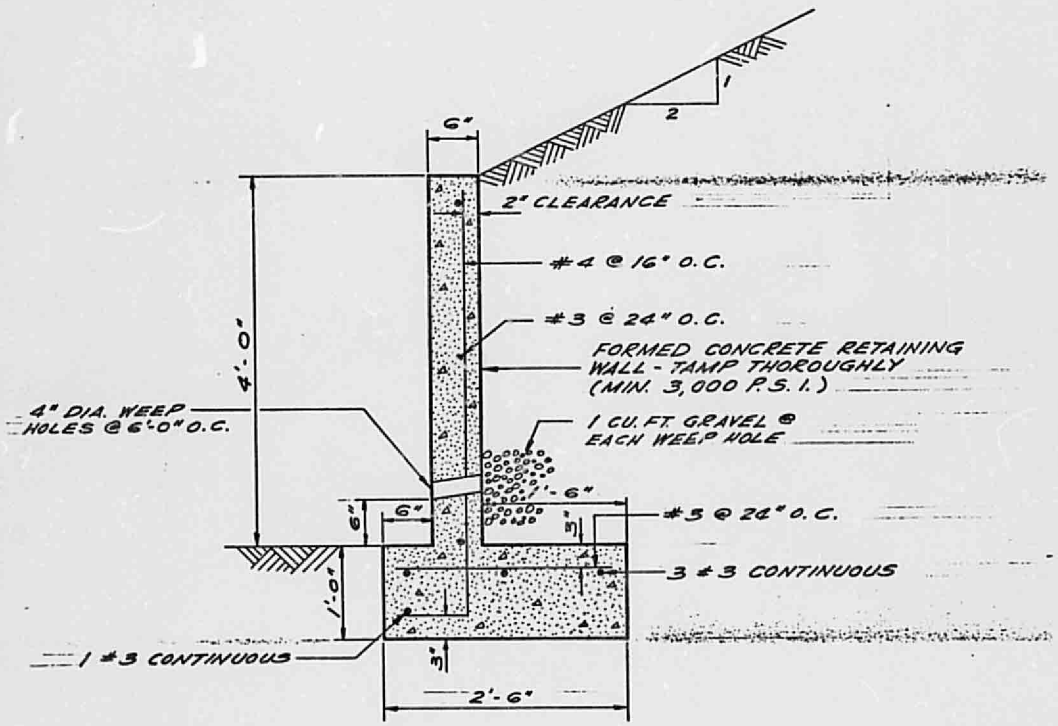
I have received your comments on above referenced project. The response to your comments are as follows:

1) corrected
2) corrected
3) corrected
4) See Drainage/grading plan
5) See drainage/grading plan
6) See drainage/grading plan
7) See attached drawing for 4' deep retaining wall. Top of wall elevation as shown in Section "AA"
8) See section "AA"
9) There is no offsite flow entering the site. On site flow east of residence shall be diverted as shown.
10) Patio wall adjacent to arroyo will be protected by rip rap. The rip rap shall be 18" deep 5' wide along wall. A 3' deep cut off rip rap wall shall be provided as shown in Section "AA".

Appreciate your cooperation in reviewing this project. If you have any questions, please contact me.

Sincerely,

Subhas K. Shah
4913 Larchmont N.E.
Albuquerque, New Mexico
87111



TYPICAL

RETAINING WALL 4'-0"

REINFORCED CONCRETE