



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 21, 2001

Gilbert Aldaz, P.E.
Applied Engineering & Surveying, Inc.
1605 Blair Dr. NE
Albuquerque, NM 87112

RE: Grading and Drainage Plan for Edith Blvd. and Granite Ave. NE (J-14/ D141), Engineer's stamp dated July 30, 2001. (J-14,15)

Dear Mr. Aldaz,

I have reviewed the information for the above-referenced project provided in your July 31, 2001 submittal, and offer the following comments:

- ✓1. Please label the lots. Lots 2 and 3 are referred to in General Note 1, but are not shown.
- ✓2. Please add some steel to the proposed flood wall. A suggested design: Use #4 bars. Vertical bars @24" OC. Horizontal bars @top and bottom of wall, minimum 3" cover.
- ✓3. Please add a spot elevation of 70.2GR at the southeast corner of the house on Lot 2.
- ✓4. The garage in Lot 2 has finish floor elevation of 4969.03. This seems too low based on the spot elevation of 69.0GR at the northeast corner of the garage. Please raise the garage finish floor to 4969.30 and add spot elevations in the centerline of the driveway to show where the runoff crosses the gravel driveway.
- ✓5. Please raise the garage finish floor of Lot 3 from 4966.50 to 4966.60.
- ✓6. I assume that the lot on the west side of the site is Lot 1. Please label. Raise the finish floor of this garage from 4964.30 to 4964.40.
- ✓7. Is the driveway leading to Granite Avenue concrete or gravel? Please label. If it is gravel, how do you propose to control erosion at the 10% slope area? The gravel will end up washed into Granite Ave. If it is concrete, please add a 5-foot long 18-inch deep concrete cutoff wall under the driveway on its north edge where it meets the retaining wall so that the driveway does not get undermined from the runoff that will discharge across it to get to Granite Ave. You can use similar concrete thickness and steel as the flood wall.
- ✓8. There is spot elevation labeled "63.9FL" in the swale in the backyard of Lot 2. This is not right and should be 67.9 instead, as best as I can tell. Please revise.
- ✓9. What is the thickness of the "V" swale concrete? Please add to plan.
- ✓10. What is meant by the group of arrows at the southwest corner of the site?
- ✓11. Please add the zone map designation to the vicinity map (J-14,15).

If you have any questions, please call me at 924-3988.

Sincerely,

Nancy Musinski, P.E.
Hydrology/Utility Development
City of Albuquerque Public Works

Cc: file