

CITY OF ALBUQUERQUE



December 19, 2013

Scott J. Steffen, P.E.
Bohannon Huston, Inc.
7500 Jefferson NE
Albuquerque, NM 87109

**Re: Montecito West Units 1 and 2
Grading and Drainage Plan and Drainage Report
Engineer's Stamp Date 11-07-13 (D09/D004)
Erosion Sediment Control (ESC) Plan
Engineer's Stamp Date 11-07-13 (D09/E004)**

Dear Mr. Steffen,

Based upon the information provided in your submittal received 11-08-13, the above referenced Grading and Drainage Plan, Drainage Report, and ESC Plan cannot be approved for building permit based on the following comments:

- 1) Show the proposed Training Dikes and limits of the prudent line on the grading plan. Provide details and include the dikes on the infrastructure list. Excess sediment may have to be removed from the Middle Branch of the Boca Negra Arroyo. Some of the existing drop structures may have to be reconstructed.
- 2) Is there an emergency overflow for the inlet in a swap conditions. Was 50% clogging factor used in the inlet capacity calculations?
- 3) Are there any proposed mountable curb and gutter?
- 4) The street flow capacity calculations show stations. Please provide an exhibit with stationing and street slopes. This information can be shown on the inlet location exhibit.
- 5) Please use Plates 22.3 D-5 and 22.3 D-6 in determination of the inlets flow capacity. Provide street flow capacity calculations for Vista Vieja Avenue.
- 6) Please include the flow depth, street slopes, and inlet types on the inlet location exhibits.
- 7) All the basins should be analyzed based on the ultimate conditions. Since the downstream storm structures are not sized adequately an allowable discharge rate should be established for all the basins.
- 8) Show the full extent of the basin boundary to the west. Please double check the basin boundaries. Additional basin areas may have to be included.
- 9) Provide analysis points downstream of each basin to better clarify where each basin will drain to. Include all the flows and basin treatment on the overall basin map.
- 10) Clearly show the on-site basin boundaries.
- 11) Include all the street names on the grading plans and fix all the text overlaps.

PO Box 1293

Albuquerque

NM 87103

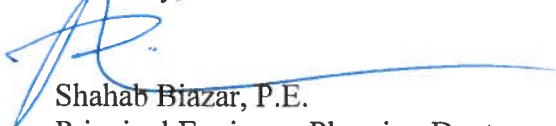
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- 12) Based on the Wilson basin map portion of on-site basin 6-D.8 should drain to the north to Scenic Road.
- 13) Show finished contours and elevations to how the diversion berms will be constructed. Please demonstrate how the runoff will reach Scenic Road. Drainage and construction easements will be required to drain the runoff Scenic. Who will be maintaining the berms?
- 14) Relocate the storm drain pipe under the curb and gutter on Espacio Verde Road.
- 15) Stamp and sign all the plans.
- 16) Erosion Sediment Control plan (D04/E009) must be under a separate submittal and submittal form.
 - a) All the offsite work should be included.
 - b) Include a note that "No offsite storm drain inlet should be covered. Only onsite/proposed inlets can be covered during construction."
 - c) Provide an entrance detail for the construction entrance (with a minimum 50' depth).
 - d) Show the location of the NPDES Posting Board and Staging Area.
 - e) A note to the plan that "Project is required to maintain a regiment of street sweeping and clean up measures in the event of track out to minimize and prevent off site conveyances during construction."

If you have any questions, you can contact me at 924-3695.

Sincerely,



Shahab Biazar, P.E.
Principal Engineer, Planning Dept.
Development Review Services

C: e-mail