CITY OF ALBUQUERQUE

November 21, 2014

Ron Bohannan, P.E.
Tierra West, LLC
5571 Midway Park Pl NE
Albuquerque, NM 87109

Re: Chili's at Gibson and University
Drainage Report and Grading Plan and Drainage Plan
Engineer's Stamp Date 11-6-14 (M15D012B)

Dear Mr. Bohannan,

Based upon the information provided in your submittal received 11-6-14, the above referenced report and plan cannot be approved for Building Permit approval until the following comments are addressed:

1. The storm water in Miles Road to the east of the site is public water. Public water should not be allowed to drain onto a private site. Capture the storm water from Miles Road before the storm water enters the site.
2. The flows stated for the analysis points 2 and 3 and flows identified in the 18 inch storm drains do not seem to correspond to the basins draining to them. How were those determined? Provide an analysis point for the flow going to Gibson.
3. Existing contours on the west side of the property are not completely visible. Show those. Provide the grate and inlet elevations of the existing inlet connected to the 30 inch storm drain.
4. How deep is the swale shown in Section A-A on sheet C9? On sheet C3, reference the Concrete Swale detail on C7. Is the Valley Gutter detail needed also? Where does the cut-off wall on sheet C7 go on sheet C3?
5. Retain the First Flush as much as possible. Per the City Drainage ordinance, the 90th Percentile Storm Event, which is 44 inches, is to be managed. Reduce 0.44 inch by the 0.1 inch for the initial impervious abstraction in Table A-6 of Section 22 of the DPM. Multiply the remaining 0.34 inch by your impervious area. This is the portion to retain. Provide the amount that is necessary to be retained and how much is actually being retained. There are many opportunities to retain the First Flush such as the following:
   A. Depress islands as much as possible. Provide curb cuts with elevations and bottom elevations.
   B. Make the southern swale a detention/retention pond with the restricted outlet or raise the outlet above the bottom elevation to create some retention. Where an inlet is being proposed with a grate elevation 5126.90, shorten the rundowns, create a ponding area, and raise the inlet above the bottom of the pond.
   C. Where an inlet is being proposed with a grate elevation 5123.00, create a ponding area and raise the inlet above the bottom of the pond.

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There are many locations to allow water to percolate. Utilize as many as possible.

6. Move the southwestern inlet west without going into the future driveway to capture more flows from the steep slope and to keep as much flow as possible from going to the site to the west.

Please contact me at 924-3994 if you have any questions.

Sincerely,

Amy L. D. Niese, P.E.
Senior Engineer, Hydrology
Planning Department

C: e-mail

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