

CITY OF ALBUQUERQUE



December 23, 2014

Mr. David Soule
Rio Grande Engineering
PO Box 93924
Albuquerque, NM 87199

**Re: American Toyota
Drainage Report with Engineer's Stamp dated 12-2-14
Grading and Drainage Plan with Engineer's Stamp Dated 12-2-14
(C18D012)**

Dear Mr. Soule,

Based upon the information provided in your submittal received December 2, 2014, the above referenced plan is not approved for Site Development Plan for Building Permit action until the following comments are addressed:

1. A Flood Zone in the report is identified as AE which should be AO.
2. The First Flush should be based on 0.34 inches multiplied by the proposed impervious area not the total area of the site.
3. What are the flows identified in the DMP for this site?
4. Indicate on the existing basin map where the existing discharges are, the flow, and the pipe size.
5. On the proposed basin map, show the allowable and proposed area, flow, and volume for each basin. For each StormTech system, show the flow and volume in and the flow and volume out. Show the proposed flow and volume being discharged offsite. Show the allowable flow and volume at each discharge location. Indicate the discharge pipe size. Remove notes for editing the drawing. Also delineate Alameda East, Alameda West, Alameda via Frontage, and Eagle Rock Basins. Place the pointer for Basin G in Basin G.
6. Retention volumes should be based on 100 year, 10 day not 100 year, 6 hour.
7. Include calculations for the design of the StormTech system and for all storm drain pipes. Show how you determined 26 cf of storage per linear foot.
8. Provide a detail sheet for the StormTech system specific to this site that includes plan and profile views.
9. How will the StormTech manifold system be done for each set? How far apart are the rows? How will flows go into the isolator row? How will the isolator row be maintained and cleared of debris? How will higher flows bypass the isolator row to go into the other rows? What are the inverts? What are the depths and type of stone for the whole system? What kind of geotextile is being used? Where is the fabric located?
10. In the southwest corner, what is the size and invert of the pipe connecting to the StormTech system?
11. In the southwest corner, show the size of outlet pipe. What is this pipe connecting to? Provide a detail of the inlet showing how flow will go into the StormTech system and into the Alameda system.
12. For the two systems south of the proposed building, how do the excess flows discharge?
13. In the northwest corner, what are the sizes of pipes connecting the systems?

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14. For the northern basin, this site will no longer be utilizing the concrete channel west of the northern basin, correct?
15. Is there enough capacity in the Alameda and Eagle Rock systems to accept the flows?
16. Determine the ownership of the Alameda storm drain under I-25. The NMDOT letter that was provided is from 1986. Ownership of various storm drains between the City of Albuquerque and NMDOT has changed since then.
17. Show more spot elevations for the construction of the wall.
18. Provide an electronic copy of the report as well as the drawing.

If you have any questions, you can contact me at 924-3994.

Sincerely,

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

PO Box 1293

C: e-mail

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