

CITY OF ALBUQUERQUE



December 19, 2014

Mr. Patrick Conley, PE
Smith Engineering Company
2201 San Pedro NE,
Bldg 4, Suite 200
Albuquerque, NM 87110

**Re: Sandia Prep School Running Track Reconstruction
Drainage Plan with Engineer's Stamp Dated 12-2-14
(E16D012)**

Dear Mr. Conley,

Based upon the information provided in your submittal received December 3, 2014, the above referenced plan is not approved for Grading Permit until the following comments are addressed:

1. Always discuss if the 100 year Flood Plain is on the site or not. Include a FIRM map or a narrative about it. Include all assumptions for your calculations such as what Zone the site is in.
2. The First Flush for this site was based on 0.44 inches multiplied by the impervious area. 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.
3. State the volume that is being provided by the First Flush. Show the water surface elevation on the plan. The proposed berm is being placed in an existing drainage swale that should be carrying at least 33.29 cfs. Demonstrate that flow will still fit within the swale where the berm is located.
4. It appears the existing pond may have existing capacity for the new flows from the site. Consider taking the additional drainage directly to the existing pond instead. Account for the additions that have been done for this site since the original Master Drainage Plan. The retention / wetland portion of the pond can be counted toward the First Flush.
5. Show the existing 10 inch storm pipe under the bleacher pad.

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

Sincerely,

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

C: e-mail