

# CITY OF ALBUQUERQUE



October 6, 2014

Vince Carrica, P.E.  
Tierra West, LLC  
5571 Midway Park Pl NE  
Albuquerque, NM 87109

**Re: FedEx Ground ABQ Drainage Report and Grading Plan and Drainage Plan  
Engineer's Stamp Date 9-12-14 (K09D026A)**

Dear Mr. Carrica,

Based upon the information provided in your submittal received 9-12-14, the above referenced report and plan cannot be approved for Building Permit approval until the following comments are addressed:

1. On sheet G-6, a desiltation pond is shown northwest of Daytona. Provide rip-rap on the upward slope from the bottom of the pond elevation to the top of pond. Include a top of pond elevation. Show existing contour elevations that the pond is tying into. What is the top of pond elevation? Provide a swale from the top of pond to the concrete pad for the 24 inch storm pipe. Ultimately, the 24 inch storm pipe will receive 48 cfs. The pipe is at a 20% slope. Reduce the slope and provide the HGL for the proposed 24 inch and 36 inch pipe in Daytona. Also provide the HGL for the storm drain in Los Volcanes. The ROW for Daytona begins to curve near the pond. Show the correct ROW.
2. Provide a private drainage easement with the maintenance defined for the pond northwest of Daytona prior to the Grading and Drainage Certification of the Fed Ex Grading and Drainage Plan. The format should follow the one already provided for the desiltation pond west of the Fed Ex site.
3. For the pond north of Los Volcanes, provide enough distance for the slope so that it is actually 3:1 as called out on the plan.
4. Show the storm drainage on the master drainage plan so it easier to follow the report. Two pipe #20 references are shown. The one by the inlet should be #22 not #20.
5. In the Storm Drainage Table the basins for Pipe #18 should not include C1D1 and D2D2 for the Interim Condition. The flow stated for Pipe #18 is correct. Pipes #19 and #20 should not include basin LV5 in them because the water goes in the inlet further down at Pipe #22. Pipes #19 and #20 should total to 85.72 cfs instead of 87.00 cfs. The flow for Pipe#22 is stated as 8.48, but the basins referenced add to 7.99 cfs. The basins for Pipe #23 add to 93.71, but the total in the table is 89.86 cfs. AHYMO states 89.04 cfs is going into pond, but the basins (including surface flow) are 87.17 cfs. Please correct all discrepancies. There is no discussion of the storm drain sizing in the tables for the 24 and 36 inch storm drains in Daytona. Include that.
6. Under Interim Drainage Conditions, the report states 16.1 cfs drains to the desiltation pond north of Los Volcanes. The amount is 28.34 cfs for the summation of the drainage basins referenced. Please revise.

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7. Provide a detail (width and size) for the rip-rap along the east and south sides of the parking lot.
8. Where the 18 inch storm drains connect to the storm pipe north of the building, what are the inverts?
9. Inlet (2) is supposed to be a double inlet per your letter. Call it out as such on the grading plans.
10. An easement for Floodway and Storm Drainage Works is on the east side of Tract 5-A of Avalon Subdivision Unit 5. The platting action through DRB should be complete prior to the Certificate of Occupancy for this site.

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

Sincerely,

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

PO Box 1293

C: e-mail

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