

# CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development Review Services



August 8, 2014

David Soule, P.E.  
Rio Grande Engineering  
P.O. Box 93924  
Albuquerque, NM 87199

Richard J. Berry, Mayor

**RE: Eagle Crest Subdivision (File: C18D064B)  
Drainage Report (stamped 7-3-14) and Supplemental calcs(stamped 8-1-14)  
Grading and Drainage Plan, Engineer's Stamp Date 8-1-14**

Dear Mr. Soule:

Based upon the information provided in your submittal received 8-1-14, the above referenced submittal cannot be approved for action by the DRB on the Site Plan for Building Permit or the Preliminary Plat until the following comments are addressed:

1. Interim Ponds need to be sized and graded on grading plan with WSEL, Vol. and emergency overflow locations. Plats must show a public drainage easement to be maintained by the developer.
2. Inlets in Alameda: Per conversation with Dave Thompson, the intent was to put the D-inlets in for the interim only, but for full build out 2 or 3 double-A or double-C inlets in series were required at each lateral. Remove the D-inlets and have the correct number of Double A or C inlets in series based on hydraulics. Provide hydraulic calculations for these inlets, which most likely will require a definition of basin "ALA 1". Update infrastructure list with inlets
3. Tie Private Storm drain to Manhole rather than back of inlet. Is there a MH at east most inlet in Alameda?
4. Define the limits of offsite basin "Basin Upoak3" on a basin boundary map. How is upstream flows handled in Oakland? (Add to report)
5. Define limits of offsite basin "Remainingoak Basin" on a basin boundary map.
6. Use a Match line to continue the Alameda frontage plan.
7. Proposed retaining wall and screen wall are difficult to differentiate. Change the hatch pattern on one or the other.
8. Show spot elevations at retaining walls
9. Update the Unit basin calculation, mainly the narrative and water harvesting in the front yard.
10. Basin map –show limits of basin per phase with different line type or color or both. It looks like B1 and B2 were reduced.
11. Water harvesting ponds – show contour elevations. Appears that another contour is needed.
12. Show flow arrows, proposed contours, street slopes, and street names.

PO Box 1293

Albuquerque

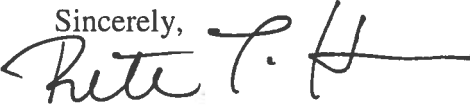
New Mexico 87103

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13. Street capacity calculations: Show how the Q is determined. Identify on the Plan the standard curb and the mountable curb. For Soaring, upper 2/3, the depth is 4" but does not take into account the energy depth.
14. Drop inlet Calculation: Identify the drop inlet the calculation corresponds to. What about the other inlets in Oakland and in Alameda?
15. Pipe Capacity: What is HGL of Storm Drain pipes? Show calc for 30" pipe further down Oakland. Pipe 4 should be using hydrology from Alameda (the bypass flow further upstream and the remaining roadway basin further upstream) for the Q required.
16. Revise the drainage report to be consistent with any revisions in hydraulics or hydrology.

Since the disturbed area on this site exceeds 1.0 acre, an Erosion and Sediment Control (ESC) Plan, prepared by a NM PE and approved by the City's Stormwater Engineer, will be required for this site, prior to Hydrology approval of a Building Permit or Work Order.

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

Sincerely,  
  
Rita Harmon, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

Orig: Drainage file  
c.pdf: via Email: Recipient