CITY OF ALBUQUERQUE

June 23, 2015

Philip W. Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

RE: Signal Pointe Subdivision
Lots 19 & 20, Block 4, Tract 3, Unit 3, North Albuquerque Acres
Grading and Drainage Plan, Engineer's Stamp Date: 6/14/15 (C20D070)

Dear Mr. Clark,

Based upon the information provided in your submittal received 6-18-15 the above referenced Grading and Drainage Plan is approved for Preliminary Plat approval. The following comments must be addressed prior to Grading and Final Plat approval:

1. AMAFCA's approval is required for discharging through Lot 21 to the west of the project.
2. The wall should remain in place once the erosion occurs. Please design the flood control structures accordingly. The top of the footing for the proposed retaining wall must be at the scour depth. Proposed flood control structure proposed for the east side of the project will not remain in place once the scour occurs. A retaining wall or another form of structure must be used which would remain in place once erosion occurs.
3. Bottom of the wall or top of footing for the flood control structure must be at 51.0 along the east side of the project (within the erosion setback). Plan and Profile with details for the flood control structures should be submitted with DRC plans.
4. Temporary/Permanent easements will be required for any construction impacting adjacent property owners. Maintenance responsibility of the any proposed structure constructed on any of the adjacent properties must be determined on the proposed easement documents.
5. The Q-Release shown on the west of tuned blocks is 5.10 cfs. Is the discharge at 1.80 cfs?
6. The invert of the turned blocks is at 51.40. The orifice equation used shown on the plan indicates that H=2.0'. Therefore, the water surface elevation is designed to be at 53.40'. Based on this elevation the runoff will be backing up into lots 5 and 6.
7. The drainage easement must be only on one lot (proposed Lot 5 or Lot 6). Maintenance responsibility of the pond should be noted on the plat.
8. Based on the latest calculations 22% of the 3090 cfs (680 cfs) will flow towards the easterly wall. Provide analysis that the runoff will not overtop the flood control structure, and that it will be able to drain north once it reaches the wall. How will this impact the flood control structure? Does it have to be extended to the south?
9. An Erosion and Sediment Control Plan approval is required prior to grading approval.

If you have any questions, you can contact me at 924-3999.

Sincerely,

Shahab Biazar, P.E.
City Engineer, Planning Dept.

C: e-mail

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