CITY OF ALBUQUERQUE



October 27, 2017

Philip Clark Clark Consulting Engineers 19 Ryan Road Edgewood, NM 87015

RE: Signal Village Condos
Grading Plan
Engineer's Stamp Date 10/03/17
Hydrology File: C20D077

Dear Mr. Clark:

Based on the information provided in the submittal received on 10/04/2017 the above-referenced Grading Plan cannot be approved for Preliminary Plat, Building Permit, or Grading Permit until the following are addressed:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

- 1. According to the La Cueva Sector Development Plan the maximum density is 5 du/(net)ac. Excluding the access easement, this site has about 0.6 acres net. So only 3 dwellings is allowed. Please provide written verification from the zoning administrator that the proposed use is allowed.
- 2. Is this Condos or Townhouses? The title block says Condos, but the level of information shown indicates a subdivision. If the property is subdivided then the grades on the approved G&D plan must be constructed and verified by an Engineer's Certification prior to allowing Building Permits on the individual lots. If this G&D Plan is for a subdivision then delete the word "Condo" from the title and indicate "Preliminary Plat Approval" instead of "Building Permit Approval" on the DTIS form. But if it is a Condo, the building footprints, floor elevations, patios, porches, sidewalks, driveways, etc. must be shown on the Grading Plan prior to approval for Building Permit, then the Engineer's Certification will be required prior to Certificate of Occupancy.
- 3. A plat must be approved by the DRB to dedicate the public right of way. An approved G&D Plan will be required prior to the City Engineer's approval of the Preliminary Plat and the Infrastructure List. Then an SIA must be recorded prior to City Engineer signature on the Final Plat.
- 4. Frontage improvements will be required on Ventura St. and Alameda Blvd. that must be shown on the G&D plan. Typical sections must be shown on the G&D Plan for all roads both onsite and offsite. The sections and the plans should show both the full

- planned width and the portion to be constructed with this project, along with any temporary transitions at the ends.
- 5. Upstream offsite flows enter this site near the intersection of Alameda Blvd. and Ventura St. Analysis of that drainage must be included in this project demonstrating compliance with the DPM. A basin map is required showing existing contours, topography or aerial photo, flow arrows, and slopes. The receiving facilities must be designed for developed conditions in the upstream offsite watershed. Storm drain may be required if surface drainage capacity is exceeded.
- 6. Improvements may also be required about 500' east of Ventura on Alameda to prevent split flow at that arroyo crossing. Analysis of existing conditions at that crossing is required and should be based on a detailed topographic survey and analysis to insure that no split can occur that might impact this development.
- 7. Typical sections are required at all retaining walls at the point of maximum retainage showing existing ground, proposed grades, lot lines, and dimensions. Wall footers must not encroach into public right of way or adjacent properties without a written agreement from the adjacent land owner.
- 8. First Flush pond details are required. The basins draining to each pond must be identified on a basin map and the required volume calculated for each basin. Then grading details, plans, and sections must be included on the G&D Plan along with volume calculations for each pond. A fee in lieu of construction may be paid to the City for any deficit in the required volume. The first flush volume from all impervious surfaces must be accounted for including new streets.
- 9. What is a "Monolithic Pad"? Is it a concrete slab or is it a dirt pad?
- 10. The location of the FEMA floodplain and related information is not shown accurately on this G&D Plan or on other recent plans, Signal Point and 9000 Alameda. FEMA's location must be accurately shown on this plan and a note should be added referring to the effective date and FEMA file number. The FEMA thalwag and sections should also be shown.
- 11. Fill in the flood plain, if applicable after floodplain location correction above, must be justified by hydraulic analysis demonstrating no increase in the adjacent flood plain elevation. The analysis must include HEC-RAS models of the "Duplicate Effective", "Corrected Effective", and "Revised" flood plains, beginning with the model acquired from FEMA thru a data request.
- 12. Lateral migration of the arroyo must be anticipated. Development is encouraged to stay outside of the Prudent Limit. Any development within the Prudent Limit must be protected from potential lateral migration of the arroyo to the depth of scour calculated in accordance with the "Sediment and Erosion Design Guide". Parallel flow may be assumed over most of the length of the scour wall, but perpendicular flow must be anticipated at the upstream end.
- 13. A plan and profile of the La Cueva arroyo is required showing stationing along the FEMA thalwag and station information for the proposed floodplain improvements.

Orig: Drainage File

The profile and a typical section should show the scour depth measured from the existing arroyo invert elevation, and 2' of freeboard above the 100-year base flood elevations.

- 14. All calculations must be contained in a bound report with an engineer's stamp and signature.
- 15. A separate floodplain permit must be obtained from Rude Rael at rrael@cabq.gov prior to any work in the floodplain.
- 16. An approved ESC Plan is required for this project, and an ESC Permit is required prior to any land disturbance on this site due to the close proximity to the floodplain.

If you have any questions, I can be contacted at 924-3986 or jhughes@cabq.gov.

Sincerely.

James D. Hughes P.E.

Principal Engineer, Planning Dept. Development Review Services



COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____

City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title:	Building Perm	it #:Hydrolo	Hydrology File #:	
DRB#:				
Legal Description:				
City Address:				
enty Hadress.				
Applicant: CLARK CONSULTING ENGINEERS		Contact:	Philip Clark	
Address: 19 Ryan Road				
Phone#: 281.2444	Fax#:	E-mail:	CCEalbq@aol.com	
Other Contact:				
Address:Phone#:				
Check all that Apply:				
DEPARTMENT:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:		
HYDROLOGY/ DRAINAGE		BUILDING PERMIT APPROVAL		
TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL		CERTIFICATE OF OCCUPANCY		
		GRADING/ESC PERMIT APPROVAL		
TYPE OF SUBMITTAL:				
AS-BUILT CERTIFICATION		PRELIMINARY PLAT APPROVAL		
		SITE PLAN FOR SUB'D APPROVAL		
CONCEPTUAL G & D PLAN		SITE PLAN FOR BLDG. PERMIT APPROVAL		
GRADING PLAN		FINAL PLAT APPROVAL		
DRAINAGE MASTER PLAN				
DRAINAGE REPORT		SIA/ RELEASE OF FINANCIAL GUARANTEE		
CLOMR/LOMR		FOUNDATION PERMIT APPROVAL		
TRAFFIC CIRCULATION LAYOUT (TCL)		SO-19 APPROVAL PAVING PERMIT APPROVAL		
TRAFFIC IMPACT STUDY (TIS)		GRADING/PAD CERTIFICATION		
NEIGHBORHOOD IMPACT ASSESMENT (NIA)		WORK ORDER APPROVAL		
		CLOMR/LOMR		
EROSION & SEDIMENT CONTROL PLAN (ESC)		ODOMODOM		
OTHER (SPECIFY)		PRE-DESIGN MEETING?		
, , ,				
		OTHER (SPECIFY)		
IS THIS A RESUBMITTAL?: Yes	No			
DATE SUBMITTED:	Bv:			

FEE RECEIVED: ___

