

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

September 24, 2019

Scott M. McGee, P.E.
SMMPE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

RE: 13200 Wenonah Ave SE
Singing Arrow Community Center
Grading Plan Engineer's Stamp Date: 8/15/19
Hydrology File: L22D055

Based on the submittal received on 9/5/19, the Grading and Drainage Plan cannot be approved until the following corrections are made:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

1. The drainage management plan for this site should include detention for the new impervious on Tract A and free discharge on Tract F-1. Runoff from both tracts drains through the undeveloped portion of Tract A to Singing Arrow Rd then to Tomlinson Dr where the drainage capacity of the street is exceeded and some of the existing houses are too low to prevent flooding. The existing parking lot on Tract F-1 is allowed free discharge since it was paved before the street capacity of Thomlinson became an issue. Runoff volume calculations for Tract A are missing and most of the runoff from the sidewalks and patio areas is not directed toward the pond.
2. Pond details are missing for the Tract A pond to include: pond volume calculations, using the conic sections method, pond routing, contributing basin, spillway details, to include supporting hydraulic calculations, pond sections showing the stormwater quality (SWQ) volume and elevation, the 100-year volume and elevation, the peak 100 year inflow and outflow, the spillway crest elevation, the spillway flow depth, and the berm top elevation.
3. Additional detail is needed on the SWQ pond along the property line with Hunter's Ridge Apartments to include: pond volume calculations, using the conic sections method, contributing basin, spillway details, to include supporting hydraulic calculations, pond sections showing the SWQ volume and elevation, the 100-year volume and elevation, the peak 100 year inflow and outflow, the spillway crest elevation, the spillway flow depth, and the berm top elevation. There should also be an appropriately sized curb cut at the sag location to allow the parking lot to empty into the pond.
4. A waterblock, 0.87' high, per COA Paving Detail No. 2426, is required at the driveway entrance.

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

5. Provide the SWQV calculations for each basin draining to each pond. The stormwater quality ponds must be sized for the Storm Water Quality Volume (SWQV) for redevelopment (0.26") times the new impervious area that drains into each pond. The drainage basins draining to each pond must be identified on the plan and both the required SWQV and the volume provided must be shown on the plan.

Prior to Certificate of Occupancy (For Information):

6. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

