

**EES****Entitlement and Engineering
Solutions, Inc**

Krisinda Rapiejko, P.E.
(for Amanda O'Connor, P.E.)
518 17th Street, Suite 1575
Denver, CO 80202

May 06, 2015

Jeanne Wolfenbarger, P.E.
City of Albuquerque
600 2nd Street NW, Ste. 201 (Ground Floor)
Albuquerque, NM 87102

Subject: **Del Norte Dialysis Center, 5207 San Mateo Blvd. NE**
Final Drainage Submittal Response
Project: F17-D095A

1. Please include all drainage calculations that you provided on 4/27/15. **This has been done. However there was a minor change to the required overall pond volume calculations. In the 4/27/15 email submittal for DRB I mistakenly did not include the entire tributary area for the basin GC3 as depicted on the Golden Corral Drainage Plan – the west Golden Corral parking area already tributary to the North Pond. In addition, I also did not expand the Basin GC1 to the full extents of the survey. I have made corrections to these basins and therefore the new required overall pond volume has been increased from 23,100 cf to 23,340 cf. The required overall pond volume still falls within the provided pond volume of 23,493 cf at the 5197.00 pond contour. This provides a 0.51 feet of freeboard depth to the emergency spillway elevation of 5197.5 (shown as 0.84' depth in 4/27/15 submittal). The 0.51' of freeboard falls within the original design intent of the North Pond to have 0.5' of freeboard as shown on the Arfman Detention Pond Plan. All associated calculations incorporating the enlarged GC1 and GC3 have been modified as well (see updated report, Excess Precipitation calcs, both hydrographs on drainage plan, and Design Pt 5 hydraulic calcs).**
2. On the Sheet C5.0, include your computed WSEL for the 100 year storm, the total volume provided for the storage pond, and the corresponding pond volume at the WSEL.
All information as described above is now shown on Sheet C5.0 in the text box titled Overall North Pond Storage at the top of the sheet.
3. Also, on Sheet C5.0, show all basins that contribute to the north pond which shall include all off-site storm water runoff from the Golden Corral parking lot. **Done. The offsite stormwater tributary to the North Pond is shown as GC3 and this basin was recreated using the Golden Corral Drainage Plan (see report appendix for this plan). Basin GC3 incorporates Basins DA No. 12 & 13 on the Golden Corral Plan.**