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V2 - Response to V1 comments from Wake
Co. Watershed Management

November 2, 2022

Wake County
Environmental Services Department
336 Fayetteville St.
Raleigh, NC 27602

Below are the comment responses to the first review comments that were received. **The comments noted below will be addressed at the time of the first construction plan review.**

1. Provide perimeter silt fence with J-Hooks around the perimeter of the site. Add silt fence outlets along perimeter near riser/skimmer discharge, at low points/sharp angle changes in silt fence, and downstream of Emergency Spillway.
2. Provide limit of disturbances, construction sequences, phased E&SC plan to cover: clearing and grubbing, permanent storm drainage, and vertical construction. Provide details for construction sequence, silt fence, inlet protection, silt fence outlet, check dams, basin, skimmer and all other sediment control measures.
3. It appears there will be several stream/pond crossing. Provide specific construction sequence and details for temporary and permanent stream crossings this should address "construction in the dry" and bypass of any live stream flow around the work area. Sediment basins and runoff conveyance should be provided upstream of each crossing, preferably on all "4-corners" but at least for "2-corners" of the crossing, Silt fence should also be installed along stream banks at the end of the work day to minimize impacts. If timber mat crossing is selected for the temporary, provide notes that there will be stone approaches on both sides and the boards will have no gaps, geotextile shall be underlain or overlain, and side boards will be installed along the perimeter of the mat. Also remember to submit 401/404/buffer authorizations and impact maps for stream, wetland and buffer impacts.
4. Provide stage seeding and sediment control along project perimeter as part of the initial installation in the erosion control sequence.
5. Provide calculation for all basins and SCM conversion sequence on the plan. Provide note in the construction sequence to notify NCDEQ-DEMLR a minimum of 10 days prior to initiating this sequence, per NCG01 permit.
6. Check shear stress of temporary diversions and provide appropriate rolled erosion control product/lining for temporary diversions. Provide temporary diversions with check dams and geotextile underlayment that extends 5ft upstream and downstream of check dams.
7. Provide stable transition area from temporary diversions to toe of basin slopes. Provide note that area downstream of basins and diversions shall be stabilized upon construction.
8. Show location of stockpiles, staging, and material laydown areas.
9. Ensure no sediment control measures are installed within Neuse Riparian Buffer.

10. Provide inlet protection for curb/yard inlets and concrete washout area. Provide detail for concrete washout area.

11. Provide berm at top of fill slope and slope drains that outlet to the temporary diversion along

project perimeter and discharging to a sediment basin. Provide calculations for slope drains corresponding energy dissipators. Provide detail for slope drain.

12. Provide stage seeding and sediment control along project perimeter as part of the initial installation in the erosion control sequence. Provide note that area downstream of basins will be stabilized immediately upon construction.
13. Provide note in the construction sequence to notify NCDEQ-DEMLR and Wake County E&SC Inspector, a minimum of 10 days prior to initiating basin dewatering/removal sequence, per NCG01 permit.
14. Show location of concrete washout areas.
15. Provide rolled erosion control product/lining of slopes with elevation greater than or equal to 10ft and steeper than 3:1. Provide rolled erosion control product detail. Keep in mind and remind builders that they will have to provide single family lot erosion and sediment control and will need to be permitted and submit for their own erosion and sediment control plan.
16. Please note that the New NCG01 permit requirements will need to be followed when submitting for erosion control plan approval and the NCG01 permit will need to be applied for through the new Portal. The Certificate of Coverage will need to be acquired prior to Wake County setting up the pre-construction meeting and issuing the Grading Permit

If you have any further questions or comments regarding this matter, please let me know.

Thank you,

Brad Haertling

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