

Regency at Heritage Subdivision – Ph3 - 6-12-19 Preliminary

Comments for Erosion Control

Below are preliminary E&SC comments from the **Construction Drawings** submitted. This plan was received by our office 5/4/19 and was disapproved 5/31/19. The comments below are guidance to sculpt the re-submittal made at a later date and are based on the drawings received by Rolesville. *That review will result in more detailed or additional comments.*

1. C8.0, Erosion control relies on Sediment Riser Basin #2 located within the Town of Wake Forest's jurisdiction. This device will have to be installed for the success of the E&SC plan located within the Town of Rolesville's jurisdiction. The plan will most likely need to be contingently approved with guidance that if the SRB#2 is not installed that a revised plan will be submitted to Wake County.
2. Provide calculations for the temporary diversion ditches including shear stress. Provide note on the drawing that the stockpile location should be moved such that it does not impede the conveyance of runoff to the basin. Address stability/lining of swales between houses and the stabilization of back slopes with rolled erosion control product. Consider slope drains and small temporary sediment traps until dense vegetation is established on lot 80-83. Phase 2 should have a dense stand of vegetation after removal of sediment basin 5 for success of construction in this area.
3. 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 Skimmer Basin #5 will be stabilized immediately upon construction.
4. Consider providing **turbidity curtain** for fresh water pond downstream of project prior to construction beginning and include its installation with initial E&SC measures prior to Certificate of Compliance Inspection.
5. 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.
6. 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.
7. Show location of concrete washout areas.
8. C8.3 Notes, Revise permanent seeding schedule to that for denser vegetation shown on Wake County Website. If hydroseeding will be used, provide sequence for this on the drawings to address uniform coverage and application.
9. Provide rolled erosion control product/lining detail. Provide single family lot erosion and sediment control. All Disturbances under the common plan of development will need to be permitted once the initial one-acre threshold has been reached.
10. 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.