

Memorandum



To: Jeff Kleaveland, Planner/ZDS, RLA
From: Chad Simmons, PE
Date: February 25, 2019 (revised)
Re: **Sanderway Subdivision**

Jeff,

As requested, we have reviewed the stormwater resubmittal made by Credle Engineering and received by this office on January 16, 2019 for the Sanderway Subdivision Conditional Use Permit.

The documents provided included site development plans and an evaluation of the stormwater impacts from the Sanderway development at the immediate downstream driveway culvert and at the lower extent of the drainage basin. The calculations supplied indicate that there would be no increase in stormwater runoff at either the adjacent culvert or the point where runoff leaves the site for the 1, 2, 5, 10, 25, and 100-year design storms. The plans and other submitted documents are included for your records.

The culvert downstream of the project under Cates Farm Road was not analyzed by Credle Engineering. However, it is reasonable to infer that since the peak runoff rate (for the 2-yr through 100-yr design storms as modelled by Credle) decreased at both the driveway culvert and through the site at the existing stream, it should also decrease at the culvert under Cates Farm Road for those design storms.

The submittal satisfactorily addresses the points of the Carrboro Stormwater Checklist that apply to Conditional Use Permitting and McGill's comments from the most recent review. The previous discrepancy in the reported impervious areas have been reconciled.

As mentioned previously, the construction details for specific stormwater components were not provided but will be required as part of the construction plan review phase of the project.

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