



stimmel

601 N. TRADE STREET, SUITE 200
WINSTON-SALEM, NC 27101
www.stimmelpa.com 336.723.1067

July 25, 2018

Mr. Barry Baker
Granville County - Development Services
122 Williamsboro Street
Oxford, NC 27565

Reference: Stormwater Management Approval
Project Name: Gene Daniel Residential Subdivision
Jurisdiction: Granville County
Basin: WS-IV NSW Falls Lake Watershed
Stimmel Project #13-045

Dear Barry:

Stimmel Associates received a transmittal on July 22, 2018 containing stormwater calculations for a project entitled "Gene Daniel Residential Subdivision" located in Granville County. We performed a stormwater review and have determined the project is in compliance with the Water Supply Watershed WS-IV (15A NCAC 02B .0216), Falls Lake Stormwater Rules (15A NCAC 02B .0277) and Neuse River Basin Riparian Buffer Rules (15A NCAC 02B .0233 and .0242) or local zoning ordinance.

The following comments for additional information are required in order to approve the project under statute or regulation:

Falls Lake Comments (15A NCAC 02B .0277)

1. No comments.

Neuse River Buffer Comments (15A NCAC 02B .0233 and .0242)

1. No comments.

Local Ordinance Comments

1. No comments.

North Carolina Best Management Practices Manual

1. No comments.

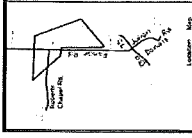
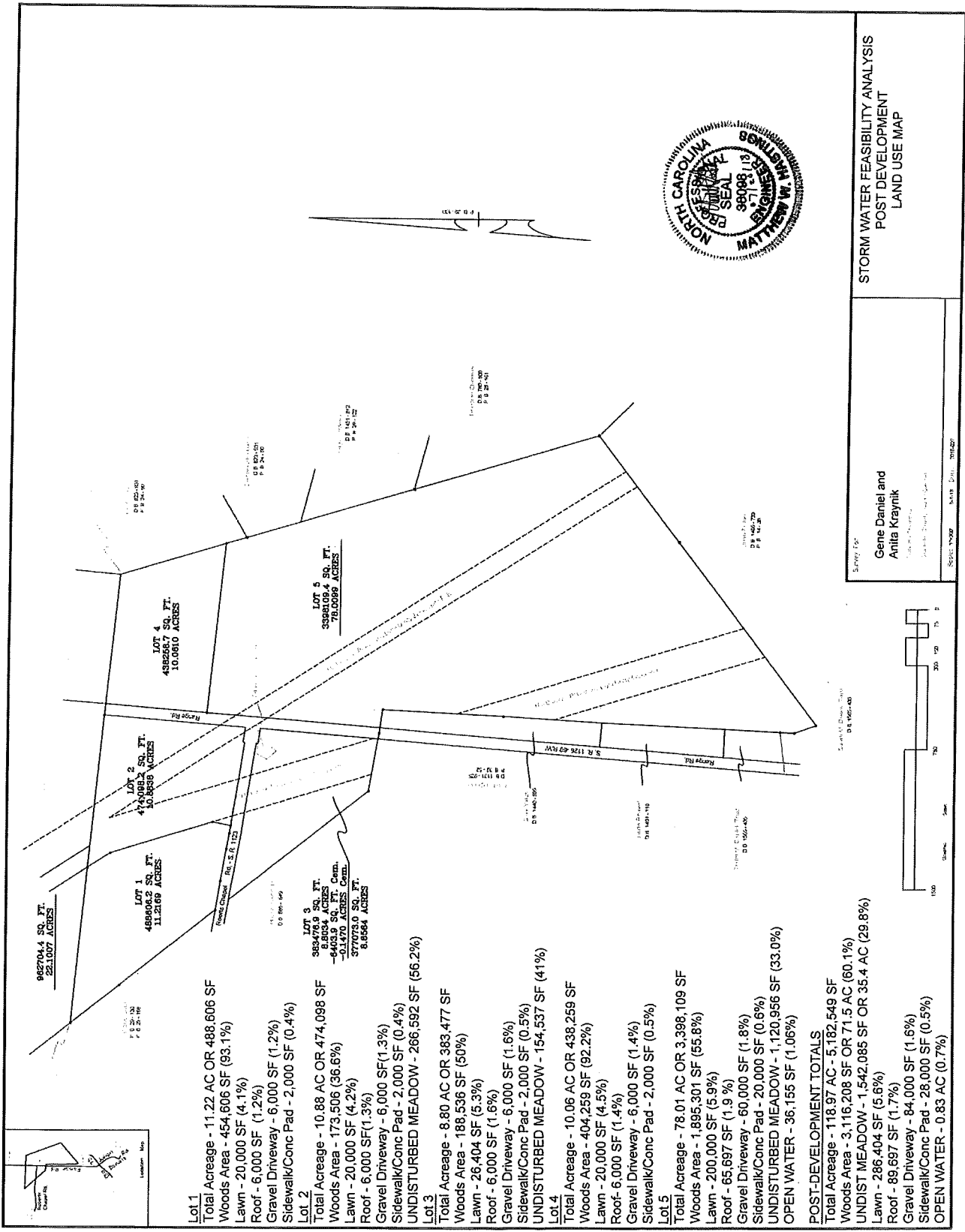
Other Comments

1. The maximum impervious allowed on the property will be limited to the amounts shown on the submitted Jordan/Falls Lake Stormwater Nutrient Load Accounting Tool.
2. No land disturbance, development or redevelopment of any kind shall occur until a Stormwater Management Permit is issued regardless if NCDENR – Land Quality has issued an erosion control permit.
3. This plan review is limited to stormwater management and associated site storm drainage systems.

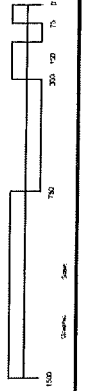
Please give me a call if you have any questions.

Sincerely yours:

Kelway L. Howard III, P.E.
Stimmel Associates, P.A.
Partner/Senior Project Manager



- Lot 1**
 Total Acreage - 11.22 AC OR 488,606 SF
 Woods Area - 454,606 SF (93.1%)
 Lawn - 20,000 SF (4.1%)
 Roof - 6,000 SF (1.2%)
 Gravel Driveway - 6,000 SF (1.2%)
 Sidewalk/Conc Pad - 2,000 SF (0.4%)
- Lot 2**
 Total Acreage - 10.88 AC OR 474,088 SF
 Woods Area - 173,506 SF (36.6%)
 Lawn - 20,000 SF (4.2%)
 Roof - 6,000 SF (1.3%)
 Gravel Driveway - 6,000 SF (1.3%)
 Sidewalk/Conc Pad - 2,000 SF (0.4%)
 UNDISTURBED MEADOW - 266,592 SF (56.2%)
- Lot 3**
 Total Acreage - 8.80 AC OR 383,477 SF
 Woods Area - 188,536 SF (50%)
 Lawn - 26,404 SF (5.3%)
 Roof - 6,000 SF (1.6%)
 Gravel Driveway - 6,000 SF (1.6%)
 Sidewalk/Conc Pad - 2,000 SF (0.5%)
 UNDISTURBED MEADOW - 154,537 SF (41%)
- Lot 4**
 Total Acreage - 10.06 AC OR 438,259 SF
 Woods Area - 404,259 SF (92.2%)
 Lawn - 20,000 SF (4.5%)
 Roof - 6,000 SF (1.4%)
 Gravel Driveway - 6,000 SF (1.4%)
 Sidewalk/Conc Pad - 2,000 SF (0.5%)
- Lot 5**
 Total Acreage - 7.70 AC OR 3,398,109 SF
 Woods Area - 1,895,301 SF (55.8%)
 Lawn - 200,000 SF (5.9%)
 Roof - 65,697 SF (1.9%)
 Gravel Driveway - 60,000 SF (1.8%)
 Sidewalk/Conc Pad - 20,000 SF (0.6%)
 UNDISTURBED MEADOW - 1,120,956 SF (33.0%)
 OPEN WATER - 36,155 SF (1.06%)
- POST-DEVELOPMENT TOTALS**
 Total Acreage - 118.97 AC - 5,182,549 SF
 Woods Area - 3,116,208 SF OR 71.5 AC (60.1%)
 UNDIST MEADOW - 1,542,085 SF OR 35.4 AC (29.8%)
 Lawn - 286,404 SF (5.6%)
 Roof - 88,697 SF (1.7%)
 Gravel Driveway - 84,000 SF (1.6%)
 Sidewalk/Conc Pad - 28,000 SF (0.5%)
 OPEN WATER - 0.83 AC (0.7%)



Scale: 1" = 100'

Gene Daniel and Anita Kraynik
 Licensed Professional Engineers
 State of North Carolina License No. 36067 and 36068

STORM WATER FEASIBILITY ANALYSIS
 POST DEVELOPMENT
 LAND USE MAP

