

To: Jim Manhart, Harnett County Environmental Health Department

From: Sloan Griffin, Advanced Septic, Inc.

Date: June 1, 2017

Subject: System alteration proposal for 25 Kinnis Creek Drive

Jim,

Per our discussion please find the following system alteration suggestions, layout, and soil boring locations for the septic system at 25 Kinnis Creek Drive in Angier. Due to several concerns with the attempted installation of the system, I recommend the following actions at this time:

- 1) Abandon the attempted drainfield lines and install two 60' gravel lines on contour as denoted by the purple lines on the drawing. Suggested max trench bottom depth is 20 inches.
- 2) Shorten the existing 100' lines to 60' and maintain 10' setback off the property line utilizing bentonite dams.
- 3) Confirm condition of septic tank and install sanitary tee with effluent filter if not already provided.

Feel free to contact with any questions or concerns,

Thanks,

Sloan Griffin



Repair System Layout

Project:

Parm Sandhaar

Property Location:

25 Kinnis Creek Drive Angier, NC 27501

Drawing By:

**Sloan Griffin** 

Date: May 24, 2017



| Property II | D#:      |  |
|-------------|----------|--|
| Property R  | ecorded: |  |
| County: H   | larnett  |  |

## SOIL/SITE EVALUATION FOR ON-SITE WASTEWATER SYSTEM

| Applicant: Parm Sandhar Address:        |             |            |                                   | Owner: X Agent: Phone: Date Evaluated: 5/24/2017 Proposed Facility: residential Property Size: |                   |                     |                     |   |                    |                          |
|---|-------------|------------|-----------------------------------|--|-------------------|---------------------|---------------------|---|--------------------|--------------------------|
| Water Supply: 0                         | On Site Wel | reek [     | Orive, Angier, No<br>omm. Well Pu | blic X Other   |                   |                     |                     |   | Pit_Cut            |                          |
| Horizon/<br>Depth (IN)                  | Matrix      |            | Mottles                           | Mottle<br>Abundance<br>/ Contrast  | (a)(1)<br>Texture | (a)(2)<br>Structure | (a)(3)<br>Minerolog | gy  | Consistence<br>Wet | Consistence<br>Moist     |
| A 0-13"                                 | 10YR 5/3    | N          | A                                 | NA   | SL                | GR                  | NEXP                |   | NS, NP             | Fr                       |
| E 13-22"                                | 2.5Y 6/4    | N          | A                                 | NA   | SL                | GR                  | NEXP                |   | NS, NP             | Fr                       |
| Bt 22-38"                               | 10YR 5/6    | 7.         | 5YR 5/6                           | 2,D,m  | SC                | wSBK                | NEXP                |   | SS, SP             | Fi                       |
|   |             |            |                                   |  |                   |                     |                     |   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     |   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     | _   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     | _   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     | _   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     |   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     |   |                    |                          |
| .1940 Landsca                           | pe Pos/Slo  | pe %       | - Suitable, <15                   | %  | Profile I         | TAR                 |                     | - 0.  | 4 - 0.1  GPD/ft    | 2                        |
| .1942 Wetness Condition                 |             | - Suitable |                                   | System 7   | System Type       |                     |                     | - Provisionally suitable for conventional septic systems. |                    |                          |
| .1943/.1956 Saprolite                   |             | - Suitable |                                   |  |                   |                     | Con                 | ventional septi   | c systems.         |                          |
| .1944 Restrictive Horizon               |             | - Suitable |                                   |  |                   |                     |                     |   |                    |                          |
| .1948 Profile Classification - Suitable |             |            |                                   |  |                   |                     |                     |   |                    |                          |
|   |             |            |                                   |  |                   |                     |                     |   |                    |                          |
| Comments:                               |             |            |                                   |  |                   |                     |                     |   |                    |                          |
| TYPICAL PR                              | OFILE       |            |                                   |  |                   |                     |                     |   |                    |                          |
| Horizon/<br>Depth (IN)                  | Matrix      |            | Mottles                           | Mottle<br>Abundance/<br>Contrast   | (a)(1)<br>Texture | (a)(2)<br>Structure | (a)(3)<br>Minerol   |   | Consistence<br>Wet | Consistenc<br>e<br>Moist |

| .1940 Landscape Pos/Slope %  | Profile LTAR |  |
|------------------------------|--------------|--|
| .1942 Wetness Condition      | System Type  |  |
| .1943/.1956 Saprolite        |              |  |
| .1944 Restrictive Horizon    |              |  |
| .1948 Profile Classification |              |  |

| Comments:               |               |  |
|-------------------------|---------------|--|
| EVALUATED BY: COMMENTS: | Sloan Griffin |  |

## LEGEND OF ABBREVIATIONS FOR SITE EVALUATION FORM

| LANDSCAPE<br>POSITION  | TEXTURE GROUP  | TEXTURE CLASS  | .1955 LTAR<br>(gal/day/sqft)  |
|--|--|--|---|
| CC - Concave Slope   | I  | S - Sand<br>LS - Loamy Sand  | 1.208   |
| CV - Convex Slope DS - Debris Slump D - Depression   | п  | SL - Sandy Loam<br>L - Loam  | 0.8 - 0.6   |
| DW - Drainage Way FP - Flood Plain FS - Foot Slope H - Head Slope I - Interflueve L - Linear Slope | III  | SCL - Sandy Clay Loam<br>CL - Clay Loam<br>SiL - Silt Loam<br>Si - Silt<br>SiCL - Silt Clay Loam | 0.6 - 0.3   |
| N - Nose Slope P - Pocosin R - Ridge S - Shoulder T - Terrace                                      | IV   | SC - Sandy Clay<br>C - Clay<br>SiC - Silty Clay<br>O - Organic                                   | 0.4 - 0.1   |
| CERTAL CENTRAL   | MOIST CONSISTENCE  | MOTTLES  | WET CONSISTENCE   |
| G - Single Grain M - Massive CR - Crumb GR - Granular  | Vfr - Very Friable<br>Fr - Friable<br>Fi - Firm<br>Vfi - Very Firm<br>Efi - Extremely Firm | 1 - Few 2 - Common 3 - Many F - Faint  | NS - Non Sticky<br>SS - Slightly Sticky<br>S - Sticky<br>VS - Very Sticky |
| SBK - Granular<br>SBK - Subgranular Blocky<br>ABK - Angular Blocky<br>PL - Platy                   | En - Extremely Film  | D - Distinct<br>P - Prominent  | NP - Non Plastic<br>SP - Slightly Plastic<br>P - Plastic                  |
| PR - Prismatic   |  | f - Fine<br>m - Medium   | VP - Very Plastic   |

c - Coarse