SOIL TEST REPORT

FOR

SYNNERGY, LLC
SWEET BRIAR AVENUE
LOT 27, BLOCK 1581

IN

TOWNSHIP OF HAMILTON
MERCER COUNTY, NEW JERSEY

BY

TRENTON ENGINEERING CO., INC.
2193 SPRUCE STREET
EWING, NEW JERSEY
January 25, 2018

JOSEPH MESTER, PE, PLS #19462
PROJECT ENGINEER
FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number 1 Method (Check one): ✓ Profile pit □ Boring

2. Soil Log 1 Performed 1/15/18
   Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
   Depth (Inches) Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
   Top to bottom Abundance, Size and Contrast, If Present

   0 - 8" 10YR 3/3 Dark brown silt loam topsoil.
   8 - 30" 10YR 4/4 Dark yellowish brown sandy loam. WSAB, moist, friable.
   30 - 64" 10YR 5/2 Grayish brown sandy loam. WSAB, moist, friable. Common medium distinct
   mottles of 10YR 7/1 (light gray) @ 30-64".
   > 64" Coarse sand and gravel. GW at 64"

3. Ground Water Observations:
   ✓ Seepage - Indicate Depth 64"
   □ Pit/Boring Flooded - Depth after _______ Hours ______

4. Soil Limiting Zones (Check Appropriate Categories)
   □ Fractured Rock Substratum - Depth to Top ____________
   □ Massive Rock Substratum - Depth to Top ____________
   □ Excessively Coarse Horizon - Depth Top to Bottom ____________
   □ Excessively Coarse Substratum - Depth Top to Bottom ____________
   □ Hydraulically Restrictive Horizon - Depth Top to Bottom ____________
   □ Hydraulically Restrictive Substratum - Depth to Top ____________
   □ Perched Zone of Saturation - Depth to Top ____________
   ✓ Regional Zone of saturation - Depth to Top 30"

5. Soil Suitability Classification: IIWR

6. I hereby certify that the information furnished on form 2B of this application is true and accurate. I am aware that the falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator John Luyber Date 1/15/18

Signature of Professional Engineer Joseph Mestnick License # 19462
COUNTY/MUNICIPALITY  Mercer / Hamilton
APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR  Block 1581
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM  Lot 27

FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number 2  Method (Check one): ✓ Profile pit  ____ Boring

2. Soil Log 2 Performed 1/15/18
   Munsell Color Name and Symbol; Estimated Texture Class; Estimated Volume %
   Depth (Inches) Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
   Top to bottom Abundance, Size and Contrast, If Present

   0 - 8"  10YR 3/3 Dark brown silt loam topsoil.
   8 - 45"  7.5YR 6/6 Reddish yellow silty clay loam. MSAB, moist, firm.
   45 - 96" 10YR 7/2 Light gray loamy sand. Single grained, loose, wet.
   > 96" Stopped test  GW @ 84"

3. Ground Water Observations:
   ✓ Seepage - Indicate Depth  84"
   □ Pit/Boring Flooded - Depth after _______ Hours ______

4. Soil Limiting Zones (Check Appropriate Categories)
   □ Fractured Rock Substratum - Depth to Top __________
   □ Massive Rock Substratum - Depth to Top __________
   □ Excessively Coarse Horizon - Depth Top to Bottom __________
   □ Excessively Coarse Substratum - Depth Top to Bottom __________
   ✓ Hydraulically Restrictive Horizon - Depth Top to Bottom 8-45"
   □ Hydraulically Restrictive Substratum - Depth to Top __________
   □ Perched Zone of Saturation - Depth to Top __________
   ✓ Regional Zone of saturation - Depth to Top 45"

5. Soil Suitability Classification: IIIHr, IIWr

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AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM  Lot 27

FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number 3  Method (Check one): ✓ Profile pit  ___ Boring

2. Soil Log 3  Performed 1/15/18

   Depth (Inches)  Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
   Top to bottom  Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
               Abundance, Size and Contrast, If Present

   0 - 8"  10YR 3/3 Dark brown silt loam topsoil.
   8 - 40"  7.5YR 6/6 Reddish yellow silty clay loam. MSAB, moist, firm.
   40 - 108" 10YR 4/4 Dark yellowish brown sandy loam. WSAB, moist, friable. Common medium
               distinct mottles of 10YR 7/2 (light gray) @ 65".
   > 108"  Stopped test.

3. Ground Water Observations:
   _ Seepage - Indicate Depth ____________________________
   _ Pit/Boring Flooded - Depth after ________ Hours ______

4. Soil Limiting Zones (Check Appropriate Categories)
   _ Fractured Rock Substratum - Depth to Top ___________
   _ Massive Rock Substratum - Depth to Top ___________
   _ Excessively Coarse Horizon - Depth Top to Bottom _____
   _ Excessively Coarse Substratum - Depth Top to Bottom ___________
   ✓ Hydraulically Restrictive Horizon - Depth Top to Bottom 8 - 40"
   _ Hydraulically Restrictive Substratum - Depth to Top ___________
   _ Perched Zone of Saturation - Depth to Top ___________
   ✓ Regional Zone of saturation - Depth to Top 65"

5. Soil Suitability Classification: IIIHr

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FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number 4 Method (Check one):  ✔ Profile pit  Boring

2. Soil Log 4 Performed 1/15/18
   Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
   Depth (Inches) Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
   Top to bottom Abundance, Size and Contrast, If Present

   0 - 8" 10YR 3/3 Dark brown silt loam topsoil.
   8 - 40" 7.5YR 6/6 Reddish yellow silty clay loam. MSAB, moist, firm.
   40 - 96" 10YR 4/4 Dark yellowish brown sandy loam. WSAB, moist, friable. Common medium
             distinct mottles of 10YR 7/2 (light gray) @ 65".
   > 96" Stopped test

3. Ground Water Observations:
   _ Seepage - Indicate Depth ________________________________
   _ Pit/Boring Flooded - Depth after ________ Hours ________

4. Soil Limiting Zones (Check Appropriate Categories)
   _ Fractured Rock Substratum - Depth to Top _______________
   _ Massive Rock Substratum - Depth to Top _______________
   _ Excessively Coarse Horizon - Depth Top to Bottom _______
   _ Excessively Coarse Substratum - Depth Top to Bottom ______
   ✔ Hydraulically Restrictive Horizon - Depth Top to Bottom 8-40"
   _ Hydraulically Restrictive Substratum - Depth to Top _______
   _ Perched Zone of Saturation - Depth to Top ______________
   _ ✔ Regional Zone of saturation - Depth to Top 65"

5. Soil Suitability Classification: IIIHr

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