



MATERIALS TEST REPORT FOR
City of Raleigh Stockpile Removal Project

REPORT TO: Wade Moore Equipment Co.
 Brandon Seiffert
 PO Box 546
 Lorisburg, NC 27549

DATE RECEIVED: May-05-2021
REPORT DATE: May-10-2021
CONDITION OF SAMPLE: Normal

PARTICLE SIZE (ASTM F1632)

Lab ID#	Sample Name	Gravel %			Soil Separate* %			Sieve Size / Sand Fraction Sand Particle Diameter % Retained				
		1/4" 6.3 mm	No. 5 4.0 mm	No. 10 2.0 mm	Sand	Silt	Clay	No. 18 V. Coarse 1.0 mm	No. 35 Coarse 0.50 mm	No. 60 Medium 0.25 mm	No. 140 Fine 0.10 mm	No. 270 V. Fine 0.05 mm
46848-1	Lab ID 2 - Soil Max	2.3	1.1	4.5	66.6	21.1	12.3	15.6	17.9	14.8	11.8	6.8

INFILTRATION RATE (Ksat) / pH / ORGANIC MATTER / TEXTURAL CLASS

Lab ID#	Sample Name	Ksat** in/hr	Bulk Density** g/cc					% Organic Matter ² Dry Weight	Textural Class
46848-1	Lab ID 2 - Soil Max	0.4	0.98					10.29	Sandy Loam

*ASTM F1632 Method B

¹ASTM D4972, method A, CaCl₂, 25 g sample used

² ASTM F1647 Method A

Data reported using USDA definitions of soil classification

** Saturated Hydraulic Conductivity (K-SAT) with compaction energy reduced to 5.75 ft lb/sq inch. Field infiltration rates may be lower, if soil is more heavily compacted than lab test conditions.

Samples were tested as received and comments pertain only to the samples shown.

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Samples were received without a transmittal letter.

Reviewed by _____