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## Soil Scientific - Clay Set Lab Testing

Report Date: Aug 28, 2019

Work Order No.: 19-1272.SoilSampling.0002; ver: 1

Work Order Date: Aug 20, 2019

Reviewed by: Aaron Loeck

### Soil/Aggregate Laboratory Summary

General Location: Delivered Soil Sample 1 - additional tests

Logged-in by: Aaron Loeck

General Comments: Specimens were mixed and hydrated with water to reach a starting moisture content of about 18%. Then a solution of water and Clay Set (300:1 ratio) was added to each specimen prior to compacting. Specimens were compacted to approximately 95% of the Maximum Dry Density at +2% of the Optimum Moisture Content (Standard Proctor) and then sealed in plastic bags for 5 day moist curing at 100° F.

Sample Number: 1

Location: Sample 1 - 5 Day Accelerated Cure

Description: Grayish brown, CLAY - Treated

### Compressive Strength (ASTM D5102)

Age (d)	Used for Conformance	Diameter (in)	Area (in <sup>2</sup> )	Length (in)	L/D Ratio	Correction Factor	Max. Load (lb-f)	Corrected Strength (psi)
5	Yes	4.00	12.57	4.58	1.15	1.0	421	30
5	Yes	4.00	12.57	4.58	1.15	1.0	438	40
5	Yes	4.00	12.57	4.58	1.15	1.0	411	30
5	Yes	4.00	12.57	4.58	1.15	1.0	426	30

Avg. Conformance Compressive Strength (psi): 30

Results apply only to the specific items and locations referenced and at the time of testing, observations or special inspections. Unless noted otherwise, samples were received in adequate condition. This report should not be reproduced, except in full, without the written permission of GROUND Engineering Consultants, Inc.

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