

REINFORCING STEEL OBSERVATIONS REPORT

Report Number: 70211086.0007A
Service Date: 10/11/21
Report Date: 10/15/21
Task: Task I - Earthwork/Foundations

Terracon

2401 Brentwood Rd Ste 107
Raleigh, NC 27604-3686
919-873-2211 Reg No: F-0869

Client

Rhetson Companies Inc
Attn: Brandon Smith
2075 Juniper Lake Rd
West End, NC 27376-8919

Project

Dollar General #22524 - Spring Lake, NC
5600 Ray Road
Spring Lake, NC

Project Number: 70211086

Services Requested By: Rhetson Companies
Contractor: Rusco Concrete Contractors
Construction Type: Cast-in-place Concrete
Observation Location(s): Column footings located at grid lines C-2, C-3, C-4, and C-5
Summary: Based on our observations, the reinforcing steel placement at the above-referenced locations appeared to be in general accordance with the project drawings identified below. Results were reported to Dustin Millwood with Rhetson Companies at the completion of today's activities.
Referenced Drawing(s): S-1

Services: N/A

Terracon Rep.: Karl Chaney
Reported To: Dustin Millwood with Rhetson Companies
Contractor:
Report Distribution:
(1) Rhetson Companies Inc, Brandon Smith



Reviewed By: _____

David Carver

Construction Services Manager

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Dollar General #22524 - Spring Lake, NC

Site Plan: Observation of column footing reinforcing steel configuration

Terracon

5600 Ray Road

Report Number: 70211086.0007A

2401 Brentwood Rd Ste 107

Spring Lake, NC

Technician: Kari Chaney

Raleigh, NC 27604-3686

Date: 10/11/21

Scale: Not to Scale

919-873-2211 Reg No: F-0869

FOUNDATION OBSERVATIONS REPORT

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Project

Dollar General #22524 - Spring Lake, NC
5600 Ray Road
Spring Lake, NC

Project Number: 70211086

Services Requested By: Rhetson Companies

Earthwork Contractor: Rusco Concrete Contractors

Foundation Type: Strip Footing

Observed Location(s): Exterior footings at grid lines 1 and D and interior column footings at grid line C

Subgrade Description: Brown Sand with Silt and Clay

Summary: The foundation subgrade appeared firm and stable. Based on our observations, the foundation subgrade preparation at the above-referenced locations appeared to be in general accordance with project specifications. Results were reported to Dustin Millwood at the completion of today's activities.



Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Karl Chaney

Reported To: Dustin Millwood with Rhetson Companies

Contractor:

Report Distribution:

(1) Rhetson Companies Inc, Brandon Smith

Reviewed By:

rvw2: jfp

David Carver

Construction Services Manager

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Project

Dollar General #22524 - Spring Lake, NC
5600 Ray Road
Spring Lake, NC

Project Number: 70211086

Footings appeared to have been excavated to their design bearing elevation. The exposed soils were tested using a Dynamic Cone Penetrometer. The Results are tabulated below:

Footing location(s)	Depth	DCP Value	Comments
Test #1 At grid lines C-2	BOF	11-15+	Brown Sand with Silt and Clay – Native Soil
	-1'	9-9-8	Brown Sand with Silt and Clay – Native Soil
	-2'	12-15+	Brown Sand with Silt and Clay – Native Soil
	-3'	10-12-14	Brown Sand with Silt and Clay – Native Soil
Test #2 At grid lines C-4	BOF	7-7-10	Brown Sand with Silt – Native Soil
	-1'	15+	Brown Sand with Silt and Clay – Native Soil
	-2'	10-10-13	Brown Sand with Silt and Clay – Native Soil
	-3'	7-9-10	Brown Sand with Silt and Clay – Native Soil
Test #3 At grid lines D-5	BOF	8-8-8	Brown Sand with Silt– Native Soil
	-1'	9-8-10	Brown Sand with Silt and Clay – Native Soil
	-2'	9-9-7	Brown Sand with Silt and Clay – Native Soil
	-3'	9-15+	Brown Sand with Silt and Clay – Native Soil
Test #4 At grid lines D-3	BOF	11-15+	Brown Sand with Silt– Native Soil
	-1'	10-10-14	Brown Sand with Silt and Clay – Native Soil
	-2'	11-11-10	Brown Sand with Silt and Clay – Native Soil
	-3'	12-15+	Brown Sand with Silt and Clay – Native Soil
Test #5 At grid line 1 between B and C	BOF	7-7-11	Brown Sand with Silt and Clay – Native Soil
	-1'	10-12-14	Brown Sand with Silt and Clay – Native Soil
	-2'	11-15+	Brown Sand with Silt and Clay – Native Soil
	-3'	10-11-10	Brown Sand with Silt and Clay – Native Soil

Suitable for 2000 PSF



Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Karl Chaney
Reported To: Dustin Millwood with Rhetson Companies
Contractor:
Report Distribution:
(1) Rhetson Companies Inc, Brandon Smith

Reviewed By:
rvw2: jfp

A handwritten signature in blue ink, appearing to read "DC".

David Carver

Construction Services Manager

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FOUNDATION OBSERVATIONS REPORT

Report Number: 70211086.0008A
Service Date: 10/12/21
Report Date: 10/15/21
Task: Task II - Concrete/Rebar

Terracon

2401 Brentwood Rd Ste 107
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919-873-2211 Reg No: F-0869

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Attn: Brandon Smith
2075 Juniper Lake Rd
West End, NC 27376-8919

Project

Dollar General #22524 - Spring Lake, NC
5600 Ray Road
Spring Lake, NC

Project Number: 70211086

Services Requested By: Rhetson Companies
Earthwork Contractor: Rusco Concrete Contractors
Foundation Type: Strip Footing
Observed Location(s): Building foundation footings located at grid lines A and 6
Subgrade Description: Brown Sand with Clay and Silt
Summary: The foundation subgrade appeared firm and stable. Based on our observations, the foundation subgrade preparation at the above-referenced locations appeared to be in general accordance with project specifications. Results were reported to Dustin Millwood at the completion of today's activities.

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Karl Chaney

Reported To: Dustin Millwood with Rhetson Companies

Contractor:

Report Distribution:

(1) Rhetson Companies Inc, Brandon Smith

Reviewed By:



David Carver

Construction Services Manager

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Project

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Project Number: 70211086

Footings appeared to have been excavated to their design bearing elevation. The exposed soils were tested using a Dynamic Cone Penetrometer. The Results are tabulated below:

Footing location(s)	Depth	DCP Value	Comments
Test #6	BOF	8-7-7	Brown Sand with Silt – Native Soil
At grid lines A-2	-1'	15+	Brown Sand with Clay and Silt – Native Soil
	-2'	15+	Brown Sand with Clay and Silt – Native Soil
	-3'	12-13-12	Brown Sand with Clay and Silt – Native Soil
Test #7	BOF	8-10-10	Brown Sand with Silt – Native Soil
At grid lines A-4	-1'	6-6-7	Brown Sand with Clay and Silt – Native Soil
	-2'	5-7-7	Brown Sand with Clay and Silt – Native Soil
	-3'	9-9-10	Brown Sand with Clay and Silt – Native Soil
Test #8	BOF	7-7-9	Brown Sand with Silt – Native Soil
At grid line 6 between	-1'	7-7-9	Brown Sand with Clay and Silt – Native Soil
B and C	-2'	9-13-12	Brown Sand with Clay and Silt – Native Soil
	-3'	12-12-14	Brown Sand with Clay and Silt – Native Soil

Suitable for 2000 PSF

Services: Evaluate excavated foundation subgrades for minimum design bearing capacity.

Terracon Rep.: Karl Chaney
Reported To: Dustin Millwood with Rhetson Companies
Contractor:
Report Distribution:
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Reviewed By:

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REINFORCING STEEL OBSERVATIONS REPORT



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GENERAL INFORMATION

Rhetson Companies requested Terracon be on site for reinforcing steel observation of the following members: Slab-on-grade. These members are being constructed by Rusco concrete contractors. The results of observation(s) for today were reported to Dustin Millwood. The Terracon representative arrived on site at 430 and departed at 500.

The construction documents referenced for this observation include: S-1 Dated February 22, 2021. Permit No. N/A

REINFORCING STEEL

Terracon observed the reinforcing steel as detailed below:

Element	Location	Referenced Documents	Status	Comments
Slab-on-grade	(1) Slab on grade with monolithic continuous footings located in grid lines A to D and 126	S-1 Dated 2/22/21	Complies	

COMPLIANCE STATEMENT

Based on our observations, reinforced concrete construction activities at the above-referenced locations appeared to be completed in general accordance with the project plans and specifications.

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5600 Ray Road
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Project Number: 70211086

Description	Photo
Observation of slab on grade and footings reinforcing steel configuration	

Services: N/A

Terracon Rep.: Karl Chaney
Reported To: Dustin Millwood
Contractor:
Report Distribution:
(1) Rhetson Companies Inc, Brandon Smith



Reviewed By: 

David Carver

Construction Services Manager

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