

FOUNDATION OBSERVATIONS REPORT

Report Number: 02231387.0001
Service Date: 10/20/23
Report Date: 10/20/23

*** Report Contains Deviation(s)**



15620 W 113th St
Lenexa, KS 66219-5102
913-492-7777

Client

The Summit Church
Attn: Robin Dawson
3381 NW Chipman Road
Lee's Summit, MO 64081

Project

The Summit Church Maintenance Facility
3381 NW Chipman Road
Lee's Summit, MO 64081

Project Number: 02231387

General Information

Steve Skinner requested Terracon to be on site for Foundation Observations. Work is being performed by Steve Skinner. The results of observation(s) for today were reported to Steve Skinner. The Terracon representative arrived on site at 1200 and departed at 1430.

The construction documents referenced for this observation include: Bob D Campbell structurals General notes and foundation plan12/28/21.

Terracon was not provided with a geotechnical report for this project. Refer to Additional Comments section.

Foundation and Soil Bearing Information

The near surface bearing materials were evaluated at the foundation(s) listed below. Bearing materials observed at the time of our visit were assumed to be at design bearing elevation unless noted otherwise. The bearing materials were evaluated utilizing the following method(s): pocket penetrometer, visual observation, shallow hand auger boring(s), probe rod. Terracon observed the foundation(s) detailed below for the following items (as applicable): bearing pressure, bearing strata, size, and cleanliness.

Design Bearing Pressure(s) (psf) = 2000

| Test No./Element/Location | Test Results | Bearing Strata | Status | Comments |
|---------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) Continuous Footing(s)/ Maintenance shed | 1,000 psf on north footing turning east half way down....2000 the rest of footing | Moist Fatty cohesive brown reddish clay with some silt and sand loose to very stiff Native | DOES NOT Comply | Footings are 24 inches wide and range from 24 inches to 36 inches deep *DEVIATION* Bearing Pressure: North section and half the east section of footing only reached 1000 psf and is loose down to 2 feet where it is suitable. Cleanliness: Footings have spoils and cave-ins and have sloughed in , |

**N/A = "Not Applicable"

Additional Comments

Terracon recommends that the loose 2 feet as noted be removed in the north footing and the north half of east footing (based on the locations in photos) and backfilled with concrete.

Evaluation and testing of foundation bearing materials typically consist of observation of the subgrade soils along with sampling and testing the soils to shallow depths below the assumed design bearing elevation at the location(s) indicated above. Small hand-operated equipment is typically used. As such, the results are limited by the means and methods used to obtain them. It should be noted that soil conditions not readily identified by these means may affect foundation performance.

We understand no subsurface exploration or geotechnical engineering report was completed for this project. Subsurface conditions below the depths probed are unknown and could affect the long-term performance of the foundation. Provided the subsurface conditions at greater depths are equivalent to those encountered in the test probes, or improve with depth, it appears the soils are suitable for support of the design bearing pressure of 2,000 psf without experiencing a bearing capacity failure. Soil information at greater depths would be necessary to evaluate potential settlement.

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Compliance Statement

Based on our observations, the foundation excavation(s) at the above reference location(s) DO NOT appear to be in general accordance with the project plans and specifications.

Services:

Terracon Rep.: Adam Goebel

Reported To: Steve Skinner

Contractor: Steve skinner 8162252517

Report Distribution:

(1) The Summit Church,
rdawson@reachingthesummit.com

(1) Steve Skinner Construction,
sskinnerconst@gmail.com

Reviewed By:

rvw2: daw

Leonard J. Rewerts
Senior Project Manager/Geologist

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

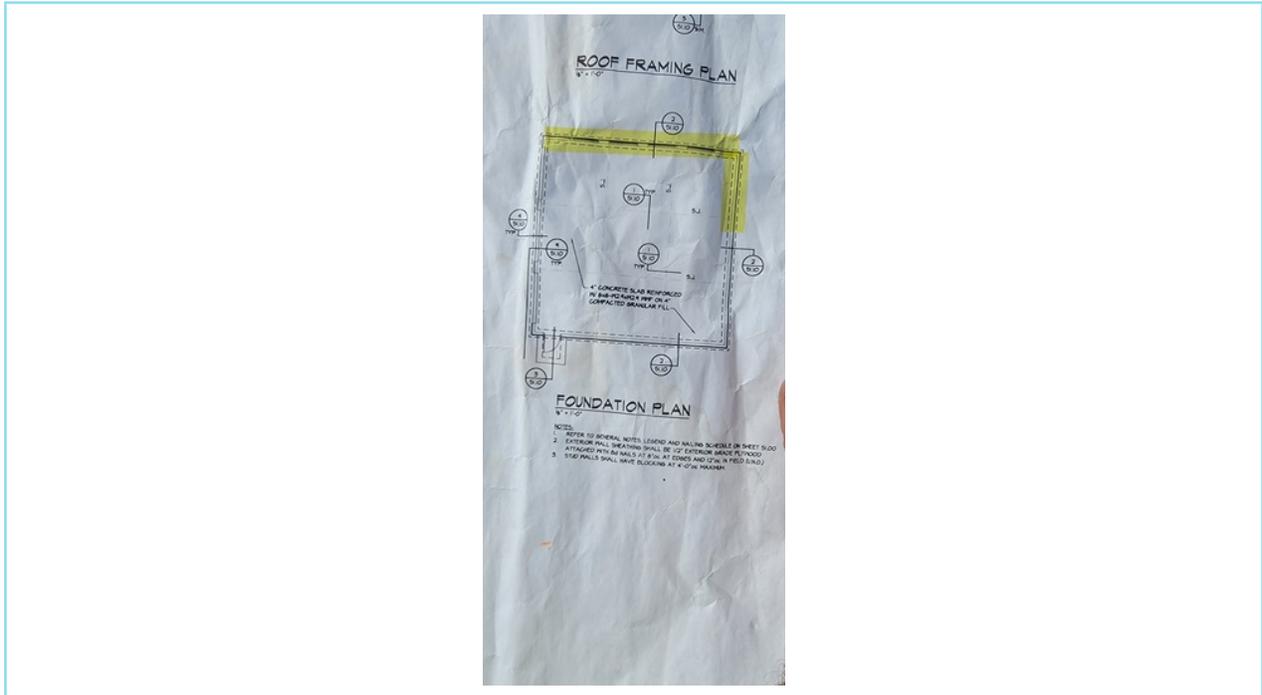
Photo Log

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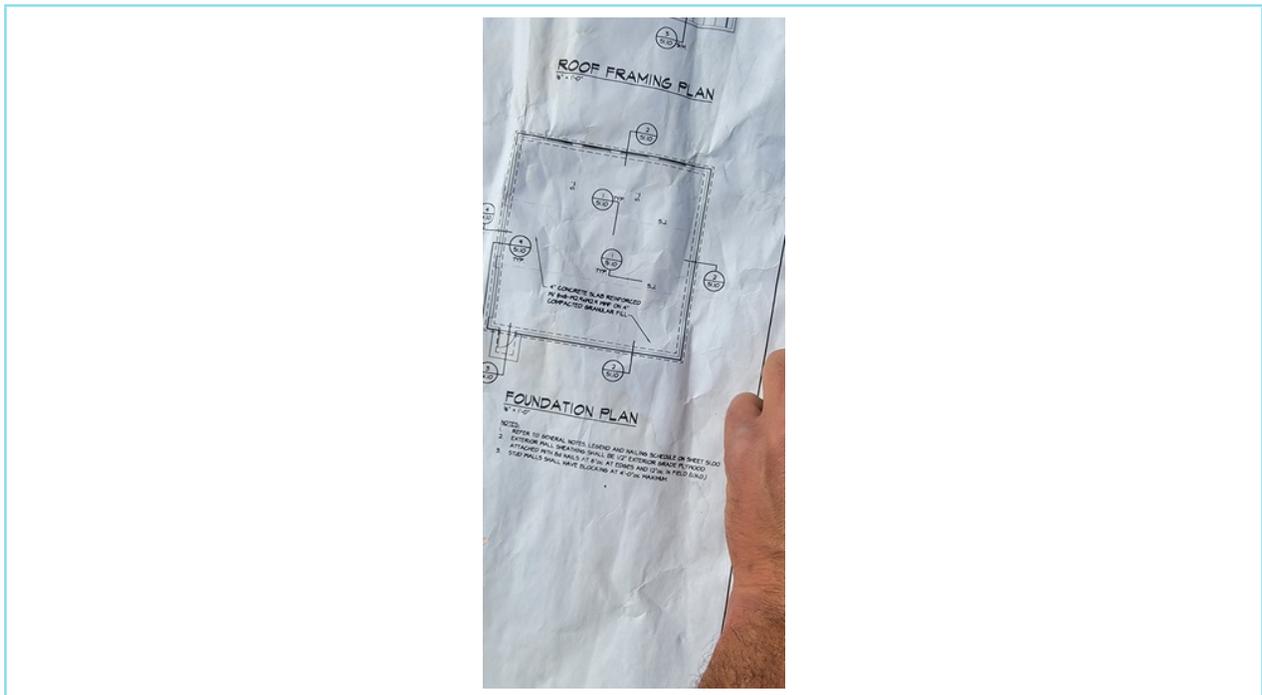
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(P1) Yellow highlighted area is of loose and inadequate bearing pressure that should be under cut 2 feet and backfilled with concrete



(P2) General foundation plans

Photo Log

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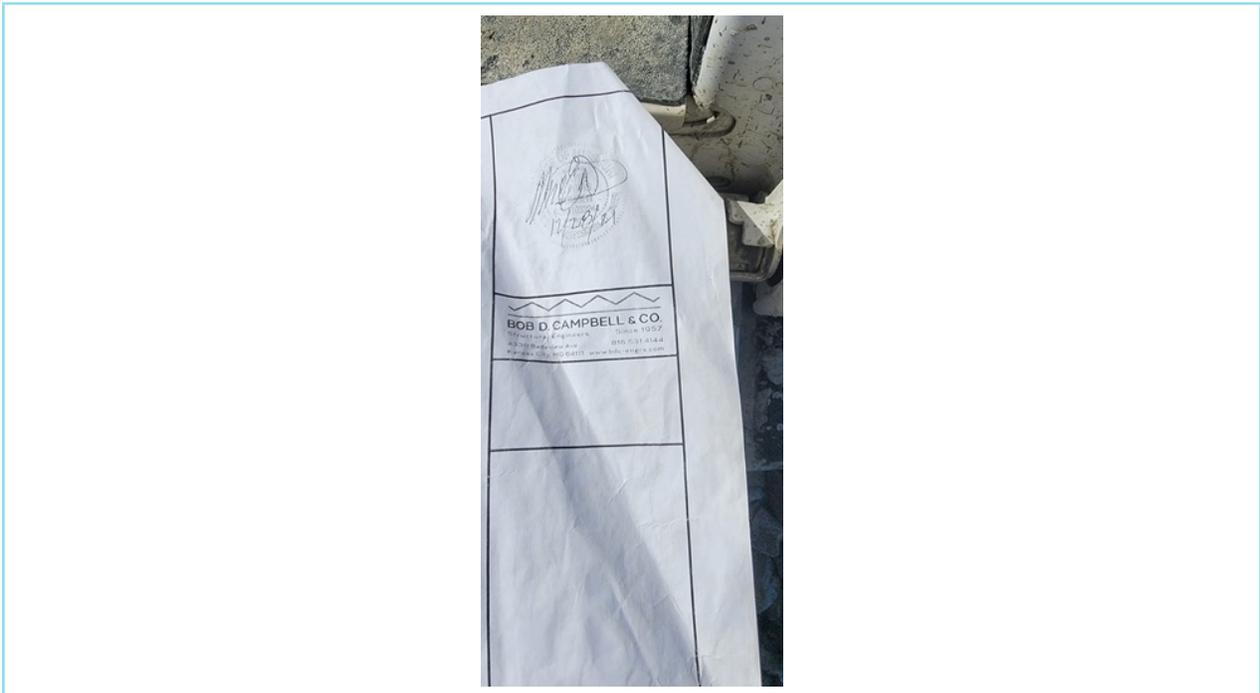
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(P3) Referenced plans



(P4) Referenced plans

DEVIATION LOG

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| Deviation No. | Report No. | Service | Service Date | Description/Comments | How Resolved | Date Resolved | Status |
|---------------|------------|-------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|--------|
| D000001 | 0001 | Foundation Observations | 10/20/23 | Maintenance shed - Bearing Pressure: North section and half the east section of footing only reached 1000 psf and is loose down to 2 feet where it tightens up Cleanliness: Footings have spoils and cave ins in them and have sloughed in | | | Open |