

# FOUNDATION OBSERVATIONS REPORT

**Report Number:** 02191565.0028  
**Service Date:** 05/19/20  
**Report Date:** 05/23/20  
**Task:** 04 - Foundation Excavation Observation and Testing

**Terracon**

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

## Client

Axiom Northwest Construction, Inc.  
Attn: Norm Hellings  
2232 Broadway  
Suite 101  
Everett, WA 98201

## Project

DCI - Lee's Summit  
2001 Shamrock Rd  
Lee's Summit, MO

Project Number: 02191565

**Geotechnical Report:** Terracon Geotechnical Engineering Report No. 02195136, dated 07/09/2019.  
**Foundation Type:** Continuous perimeter and isolated spread footings  
**Observed Locations:** Perimeter footings and interior isolated column footings at gridlines C/2, 4, 6, 7, 8 and D/2, 4, 6, 7, 8.  
**Bearing Soil Description:** Fill, lean clay, dark brown and highly weathered shale, gray.  
**Referenced Plans:** Randall Dover plans dated 11/06/2019.

## Summary:

As requested, a Terracon representative observed and probed the exposed foundation bearing soils at the above-referenced locations. The test probes were advanced using a hand auger to depths of about 2 feet below the design bearing elevation. Engineered fill was encountered to depths of approximately 2 feet at foundation locations. Terracon observed and tested the engineered fill during placement and reported results from 3/11/2020 to 4/19/2020. Based on our observations and test results, in our opinion, the bearing soils at the locations and depths probed appear suitable to support the design bearing pressure of 2,500 psf.

## Services:

**Terracon Rep.:** Caleb Brewer  
**Reported To:** Norm with Axiom  
**Contractor:** Axiom Northwest Construction  
**Report Distribution:**

(1) Axiom Northwest Construction, Inc.,  
norm@axiomnw.com

**Reviewed By:**

rvw2: cjw

  
Feras El-Ghoussein  
Project Manager

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.

# FOUNDATION OBSERVATIONS REPORT



**Report Number:** 02191565.0032  
**Service Date:** 05/20/20  
**Report Date:** 05/23/20  
**Task:** 04 - Foundation Excavation Observation and Testing

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

## Client

Axiom Northwest Construction, Inc.  
Attn: Norm Hellings  
2232 Broadway  
Suite 101  
Everett, WA 98201

## Project

DCI - Lee's Summit  
2001 Shamrock Rd  
Lee's Summit, MO

Project Number: 02191565

**Geotechnical Report:** Terracon Geotechnical Engineering Report No. 02195136, dated 07/09/2019.  
**Foundation Type:** Continuous perimeter and isolated spread footings  
**Observed Locations:** Canopy Column Footings at Gridlines A/3 and A/5  
**Bearing Soil Description:** Fill, lean clay, dark brown and highly weathered shale, gray.  
**Referenced Plans:** Randall Dover plans dated 11/06/2019.

## Summary:

As requested, a Terracon representative observed and probed the exposed foundation bearing soils at the above-referenced locations. The test probes were advanced using a hand auger to depths of about 2 feet below the design bearing elevation. Engineered fill was encountered to depths of approximately 2 feet at foundation locations. Terracon observed and tested the engineered fill during placement and reported results from 3/11/2020 to 4/19/2020. Based on our observations and test results, in our opinion, the bearing soils at the locations and depths probed appear suitable to support the design bearing pressure of 2,500 psf.

## Services:

**Terracon Rep.:** Caleb Brewer  
**Reported To:** Norm with Axiom  
**Contractor:** Axiom Northwest Construction  
**Report Distribution:**

(1) Axiom Northwest Construction, Inc.,  
norm@axiomnw.com

**Reviewed By:**  
rvw2: cjlw

  
Feras El-Ghoussein  
Project Manager

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.

# FOUNDATION OBSERVATIONS REPORT



**Report Number:** 02191565.0071  
**Service Date:** 09/24/20  
**Report Date:** 11/08/20  
**Task:** 09 - Portland Cement Concrete Testing - Building Elements

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

## Client

Axiom Northwest Construction, Inc.  
Attn: Norm Hellings  
2232 Broadway  
Suite 101  
Everett, WA 98201

## Project

DCI - Lee's Summit  
2001 Shamrock Rd  
Lee's Summit, MO

Project Number: 02191565

**Geotechnical Report:** Terracon Consultants Geotechnical Report # 02195136, Date July 9/2019  
**Foundation Type:** Continuous/Perimeter  
**Observed Locations:** Trash Enclosure Footing  
**Bearing Soil Description:** Fill, Dark Gray Brown  
**Referenced Plans:** Randall Dover plans, Dated 11/06/2019

## Summary:

As requested, a Terracon representative observed and probed the exposed foundation bearing soils at the above-referenced locations. The test probes were advanced using an open-ended probe to depths of about 2 feet below the design bearing elevation. Engineered fill was encountered to depths of approximately 3 feet at the trash enclosure. Terracon observed and tested the engineered fill during placement and reported results from 03/11/2020 - 04/19/2020. Based on our observations and test results, in our opinion, the bearing soils at the locations and depths probed appear suitable to support the design bearing pressure of 2500 psf.

## Services:

**Terracon Rep.:** Richard N. Cohen

**Reported To:** Norm with Axiom and Josh Romazon with

**Contractor:** Axiom Northwest Construction

## Report Distribution:

(1) Axiom Northwest Construction, Inc.,  
norm@axiomnw.com

(1) Axiom Northwest Construction, Inc.,  
tiffani@axiomnw.com

**Reviewed By:**

rvw2: daw

  
Feras El Ghusseini  
Project Manager

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.

# FOUNDATION OBSERVATIONS REPORT

**Report Number:** 02191565.0083  
**Service Date:** 12/18/20  
**Report Date:** 12/22/20  
**Task:** 04 - Foundation Excavation Observation and Testing

**Terracon**

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

## Client

Axiom Northwest Construction, Inc.  
Attn: Norm Hellings  
2232 Broadway  
Suite 101  
Everett, WA 98201

## Project

DCI - Lee's Summit  
2001 Shamrock Rd  
Lee's Summit, MO

Project Number: 02191565

**Geotechnical Report:** Terracon, Report # 02195136, Date July 09, 2019  
**Foundation Type:** Spread  
**Observed Locations:** Foundation for the sign  
**Bearing Soil Description:** Native, Dark brown fat clay  
**Referenced Plans:** Randall Dover Architect plans, date October 29, 2020

## Summary:

As requested, a Terracon representative observed and probed the exposed foundation bearing soils at the above-referenced locations. The test probes were advanced using an open-ended sampler to depths of about 2 feet below the design bearing elevation. Consistencies of the recovered samples were estimated at about 6-inch depth intervals using a pocket penetrometer. Based on our observations and information in the above-referenced geotechnical engineering report for this project, in our opinion, the bearing soils at the locations and depths probed were consistent with the geotechnical report findings and appear suitable to support the design bearing pressure of 2500 psf.

## Services:

**Terracon Rep.:** Richard N. Cohen  
**Reported To:** James Buchanan with Axiom  
**Contractor:** Axiom Northwest Construction  
**Report Distribution:**

(1) Axiom Northwest Construction, Inc.,  
norm@axiomnw.com  
(1) Axiom Northwest Construction, Inc.,  
ryan@axiomnw.com  
(1) City of Lee's Summit MO,  
mark.harding@cityofls.net

(1) Axiom Northwest Construction, Inc.,  
james@axiomnw.com  
(1) Axiom Northwest Construction, Inc.,  
tiffani@axiomnw.com

**Reviewed By:**  
rvw2: cjw

  
Feras El Ghusseini  
Project Manager

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.