

# LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Report Number: 02231387.0005B

Service Date: 02/01/24

Report Date: 02/08/24



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

## Material Information

Source of Material: Provided by client  
Proposed Use:

## Sample Information

Sample Date: 02/05/24  
Sampled By: David Hattaway  
Sample Location: Provided by client

Sample Description: Gray recycled concrete

## Laboratory Test Data

Test Procedure: ASTM D698  
Test Method: Method C  
Sample Preparation: Dry  
Rammer Type: Mechanical

Liquid Limit:  
Plastic Limit:  
Plasticity Index:  
In-Place Moisture (%):

Oversized Particles (%): 0.8  
Moisture (%): 0.1  
Sieve for Oversize Fraction: 3/4

Assumed Bulk Specific Gravity of Oversized Particles: 2.7

### Corrected for Oversized Particles (ASTM D4718)

Maximum Dry Unit Weight (pcf): 120.7  
Optimum Water Content (%): 12.3

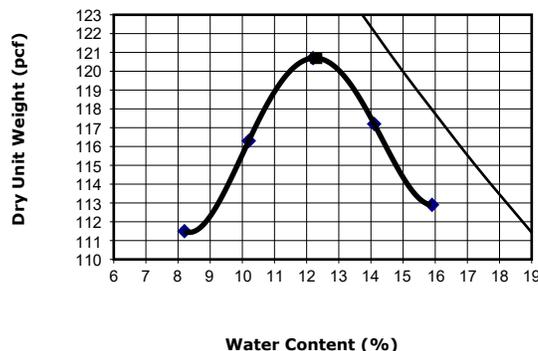
### Uncorrected Values

Maximum Dry Unit Weight (pcf): 120.4  
Optimum Water Content (%): 12.4

Result	Specifications
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## USCS:

Zero Air Voids Curve for Assumed Specific Gravity 2.70



## Comments:

## Services:

Terracon Rep.: Braden Albert

Reported To:

Contractor:

## Report Distribution:

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

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

Reviewed By:

Leonard J. Rewerts  
Senior Project Manager/Geologist

## Test Methods: ASTM D698

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.

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**Laboratory Classification:** Gray recycled concrete  
**Material Source:** Imported from Quarry provide by client  
**Sample Location:** sample of material was provided client  
**Proposed Use:** Structural Fill, Low Volume Change Fill  
**Testing Performed:** Standard Proctor  
**Source of Specifications:** not provided

## Summary:

Terracon's laboratory completed the requested scope of testing for the above-referenced sample. A report of these test results is attached.

## Comments:

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## Services:

**Terracon Rep.:** Braden Albert  
**Reported To:**  
**Contractor:**  
**Report Distribution:**

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

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