



# LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Report Number: J3091112.0005

Service Date: 02/01/10

Report Date: 02/10/10

# Terracon

15 Holly St.

Scarborough, ME 04074

207-396-5374

## Client

BKA Architects  
Attn: Matt Pelletier  
142 Crescent Street  
Brockton, MA 02302

## Project

W.B. Mason Expansion  
106 Pine Tree Industrial Parkway  
Portland, ME 04102

Project Number J3091112

## Material Information

**Source of Material:** Blended trench spoils from footing  
**Proposed Use:** Structural Fill

## Sample Information

**Sample Date:** 01/29/10  
**Sampled By:** Ethan M. Marro  
**Sample Location:** Stockpile

**Sample Description:** CLAYEY SAND; brown (SC)

## Laboratory Test Data

**Test Procedure:** ASTM D1557  
**Test Method:** Method C  
**Sample Preparation:** Wet  
**Rammer Type:** Mechanical

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

Result

Specifications

**Oversized Particles (%):** 4.0  
**Moisture (%):** 0.0  
**Sieve for Oversize Fraction:** 3/4

**Assumed Bulk Specific Gravity of Oversized Particles:** 2.65

### Corrected for Oversized Particles (ASTM D4718)

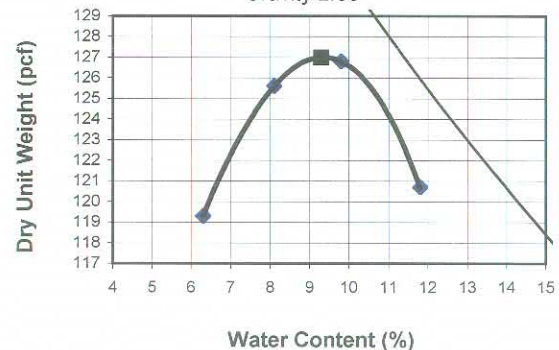
**Maximum Dry Unit Weight (pcf):** 127.0  
**Optimum Water Content (%):** 9.3

### Uncorrected Values

**Maximum Dry Unit Weight (pcf):** 125.8  
**Optimum Water Content (%):** 9.7

**USCS:** CLAYEY SAND; brown (SC)

Zero Air Voids Curve for Assumed Specific Gravity 2.65



## Comments:

## Services:

**Terracon Rep:** Ethan M. Marro

**Reported To:**

**Contractor:**

**Report Distribution:**

(1) BKA Architects

Reviewed By: \_\_\_\_\_

Wendell Shedd

## Test Methods:

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.