

# Advance Testing

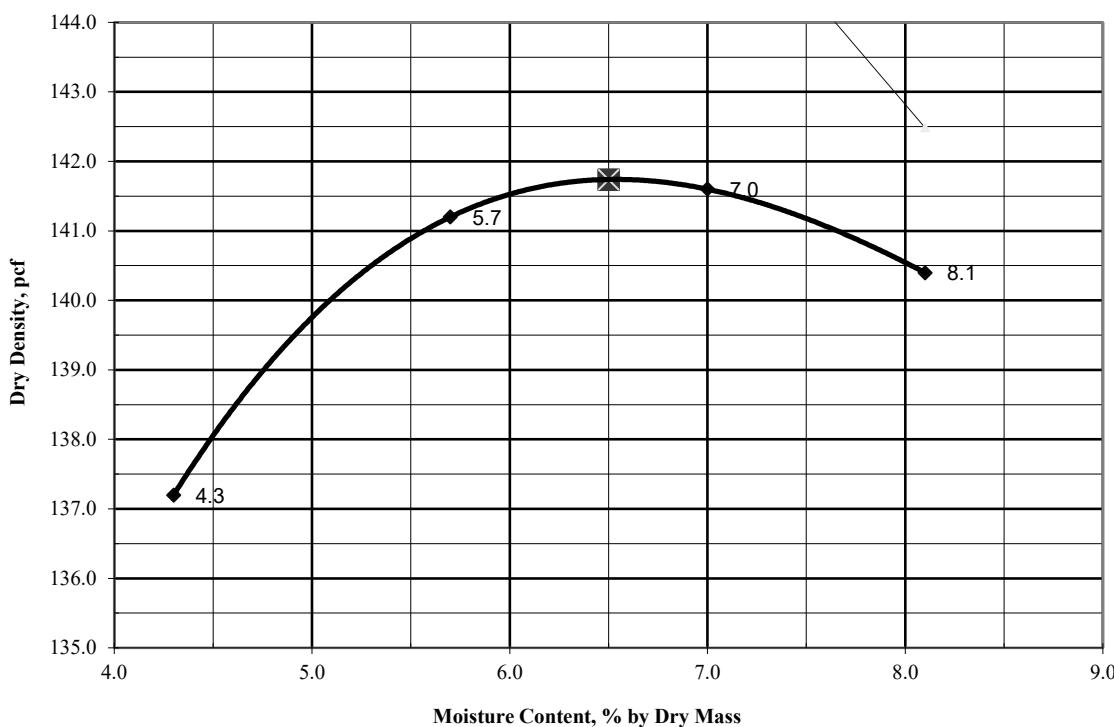
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|                            |  |                     |                  |          |
|----------------------------|--|---------------------|------------------|----------|
| CLIENT:                    | Aden Aggregates  |                     | PROJECT NO.:     | 250350   |
| PROJECT:                   | Hancock QC 2025  |                     | LAB NUMBER:      | 25-1171A |
| TEST METHOD:               | ASTM D 1557 'Modified Proctor'                                     |                     | Method:          | C        |
| Manual or Automatic Method | Automatic Method   | Type of Hammer Face | Sector Face      |          |
| SOIL ID NUMBER:            | 3  |                     |                  |          |
| ITEM:                      | Subbase : (Item) Brown   |                     |                  |          |
| SOURCE:                    | Hancock Quarry   |                     |                  |          |
| SOIL DESCRIPTION:          | Gravel w/ Reddish Brown Silty Sand: 61% Gravel; 27% Sand; 12% Silt |                     |                  |          |
| DATE SAMPLED:              | 8/28/2025  | SAMPLED BY:         | Client           |          |
| DATE TESTED:               | 8/29/2025  | TESTED BY:          | Michael D Thomas |          |

## REPORT OF MOISTURE DENSITY RELATIONSHIP



| Individual Test Points |             |
|------------------------|-------------|
| Percent Moisture       | Dry Density |
| 4.3                    | 137.2       |
| 5.7                    | 141.2       |
| 7.0                    | 141.6       |
| 8.1                    | 140.4       |

Uncorrected Maximum Dry Density: 141.7 lb/cu. ft.  
 Uncorrected Optimum Moisture Content: 6.5 %  
 Specific Gravity of Soils \*: 2.80  
 Percent Oversize Particles: 12.2 %  
 Est. Specific Gravity of Oversize\*: 2.67

**Corrected\* Maximum Dry Density: 144.4 lb/cu. ft.**  
**Corrected\* Opt. Moisture Content: 5.8 %**

\*\*Corrected for oversize, when oversize particles exceed 5% of sample.

\*\*Material was oversaturated at 8.1% moisture

*Emily J. Rodriguez*

Report Reviewed By:

\*Specific Gravity of Soils Estimated and Specific Gravity of Oversize Estimated.

The simple acceptance/rejection decision rule is utilized to determine in-tolerance and out of tolerance or pass/fail conditions and no measurement of uncertainty is applied in this determination.

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The results in this report relate only to the items inspected or tested.

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