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|-----------------|-------------------------|------------------|----------------------|
| Client: | A & K EARTHMOVERS, INC. | Project Number.: | 1013 |
| Client Contact: | GARY NETTENSTROM | Lab Number: | 35183 |
| Project Name: | ANNUAL QUALITY TESTING | Material: | CLASS A BEDDING SAND |
| Source: | FREY PIT | Date Tested: | 3/22/2021 |
| Date Sampled: | 3/19/2021 | Date Completed: | 3/23/2021 |
| Sampled By: | CLIENT | Reviewed By: | S. VINEIS |

SOILS AND AGGREGATE TESTING

| Test Method | Sieve Analysis | Percent Passing | 2016 SSPWC Specification |
|----------------|------------------|-----------------|--------------------------|
| ASTM C136/C117 | 4 Inch | - | - |
| | 3 Inch | - | - |
| | 2 Inch | - | - |
| | 1 1/2 Inch | - | - |
| | 1 Inch | - | - |
| | 3/4 Inch | - | - |
| | 1/2 inch | - | - |
| | 3/8 Inch | 100 | 100 |
| | No. 4 | 99 | 90-100 |
| | No. 8 | 95 | - |
| | No. 10 | 94 | - |
| | No. 16 | 85 | - |
| | No. 30 | 63 | - |
| | No. 40 | 48 | - |
| | No. 50 | 34 | 10-40 |
| No. 100 | 15 | 3-20 | |
| No. 200 | 6.5 | 0-15 | |
| | Fineness Modulus | | |

*DOES NOT MEET SPECIFICATIONS

MATERIAL PROPERTIES

| Test & Test Method | Sample Results | 2016 SSPWC Specification |
|-----------------------------|----------------|--------------------------|
| Liquid Limit ASTM D4318 | No Value | - |
| Plasticity Index ASTM D4318 | Non-plastic | 6 Max. |
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |

*DOES NOT MEET SPECIFICATIONS

MOISTURE DENSITY CURVE

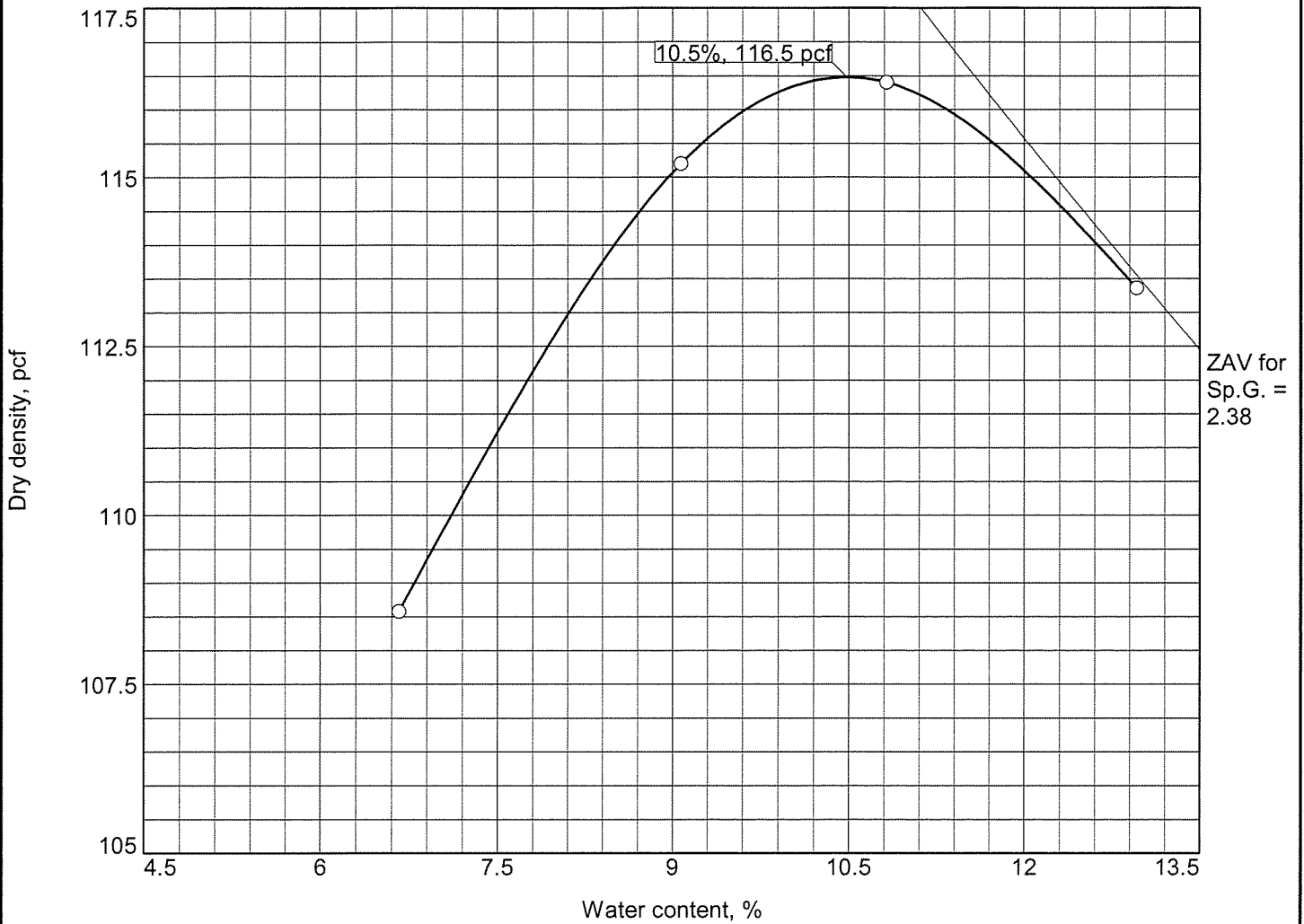
| Test Type | Test Method | Sample Results | Specifications |
|---------------------|-------------|----------------|----------------|
| Maximum Dry Density | ASTM D1557 | 116.5 pcf | - |
| Optimum Moisture | ASTM D1557 | 10.5% | - |

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Construction Materials Engineers, Inc.

Roger O Corkill Jr., PE

MOISTURE DENSITY CURVE



Test specification: ASTM D 1557-91 Procedure A Modified

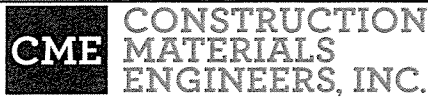
| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > #4 | % < No.200 |
|----------------|----------------|--------|----------------|-------|----|----|-----------|---------------|
| | USCS | AASHTO | | | | | | |
| | | | | | | | 0.5 | |

| TEST RESULTS | MATERIAL DESCRIPTION |
|--|---|
| Maximum dry density = 116.5 pcf Optimum moisture = 10.5 % | CLASS A BEDDING SAND FREY PIT A & k EARTHMOVERS |

Project No. 1013 **Client:** A & K EARTHMOVERS, INC.
Project: QUALITY TESTING

 Location: PLANT STOCKPILE **Sample Number:** 35183

Remarks:
 RECEIVED 3/19/2021



Figure

Tested By: G. MORALES Checked By: S. VINEIS