**ADDENDUM NO. 2**

**TO THE BID DOCUMENTS**

**Highland Drive Culvert Replacement Project**

**CITY OF HOMER, ALASKA**

**Addendum Issue Date:** August 26, 2025

**Bid Submittal Date:** August 28, 2025

**Previous Addenda Issued:** No. 1

**Issued By:** Leon Galbraith, P.E.
City Engineer
City of Homer

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**Notice to Bidders:**

Bidders must **acknowledge receipt of this addendum** by including the Addenda Acknowledgement Form with the bid.

Bidders are required to acknowledge each addenda separately on the Addenda Acknowledgement Form. Any bids received without acknowledgment of addenda may be rejected prior to evaluation.

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The Bid Documents for the above project are amended as follows (all other terms and conditions remain unchanged):

**The following bidder questions have been received by City of Homer are answered as follows:**

1. Q. Will the City provide streamflow data so that we can consider the effort to dewater/bypass the culvert replacement?
   *A. Bidarki Creek is an ungauged channel to our knowledge and no stream flow data is available.*

2. *Q.* Will the City make available geotechnical data from soil sampling that was conducted?
   *A. There was no traditional Geotechnical Investigation performed for this project, only limited soil sampling and the results of that soils analysis are attached to this addendum No. 2.*

3. *Q*. It appears that finished grade contours are incomplete where they meet existing ground; in at least one location they imply a near ten-foot vertical cut into the backslope wall at fill limits for the new road prism (the new right-of-way is close to the expected disturbance limits). How is the backslope constructed at those locations? What stabilization measures are anticipated on backslopes?

   A. *Design fill limits and cut and fill slopes are approximate. Design intention is for a final fill slope of 1:1 per Road Typical Section on sheet C2. The intention of the cut is to remove the existing fill that makes up the existing Bidarki Creek crossing and the fill will replace the fill removed from the Bidarki Creek crossing. Slope stabilization is accomplished via the Geocell Confinement System as detailed in the plans. It is up to a contractor's means & methods for the construction of the cut and fill.*

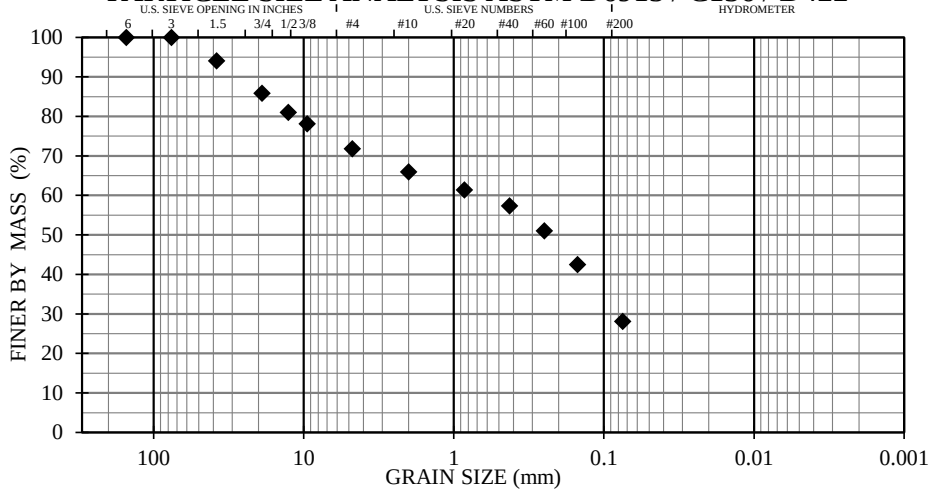
NORTHERN GEOTECHNICAL ENGINEERING, INC. / TERRA FIRMA TESTING

Laboratory Testing · Geotechnical Engineering · Instrumentation · Construction Monitoring Services · Thermal Analysis

| | |
|---|---|
| PROJECT CLIENT: | **RESPEC** |
| PROJECT NAME: | **City of Homer - Highland Dr.** |
| PROJECT NO.: | **7354-25** |
| SAMPLE DESC.: | **Project # I 0306.25020** |
| NGE-TFT ID #: | **25-104-1** |
| CLASSIFICATION: | **Silty sand w/ gravel** |
| DATE RECEIVED: | **4/23/2025** |
| TESTED BY: | **Gunner Bergstedt** |
| REVIEWED BY: | **Sean Totzke** |

| | | | |
|---|---|---|---|
| % GRAVEL | **28.2** | USCS | **SM** |
| % SAND | **43.7** | USACOE FC | **N/A** |
| % SILT/CLAY | **28.1** | % PASS. 0.02 mm | **N/A** |
| % MOIST. CONTENT | **26.4** | % PASS. 0.002 mm | **N/A** |
| UNIFORMITY COEFFICIENT ($C_u$) | | **UNKNOWN** | |
| COEFFICIENT OF GRADATION ($C_c$) | | **UNKNOWN** | |
| ASTM D1557 (uncorrected) | | **N/A** | |
| ASTM D4718 (corrected) | | **N/A** | |
| OPTIMUM MOIST. CONTENT. (corrected) | | **N/A** | |

## PARTICLE SIZE ANALYSIS ASTM D6913 / C136 / D422

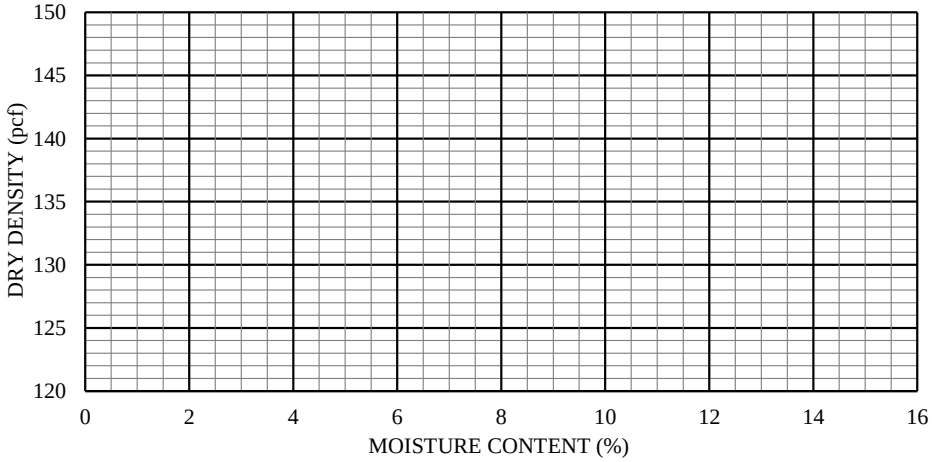



| COBBLES | GRAVEL | | SAND | | | SILT or CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |

## SIEVE ANALYSIS RESULT

| SIEVE SIZE (mm) | SIEVE SIZE (U.S.) | TOTAL % PASSING | SPECIFICATION (% PASSING) |
|---|---|---|---|
| | | | |
| 152.40 | 6" | **100** | |
| 76.20 | 3" | **100** | |
| 38.10 | 1.5" | **94** | |
| 19.00 | 3/4" | **86** | |
| 12.70 | 1/2" | **81** | |
| 9.50 | 3/8" | **78** | |
| 4.75 | #4 | **72** | |
| 2.00 | #10 | **66** | |
| 0.85 | #20 | **61** | |
| 0.43 | #40 | **57** | |
| 0.25 | #60 | **51** | |
| 0.15 | #100 | **42** | |
| 0.075 | #200 | **28.1** | |

## MOISTURE-DENSITY RELATIONSHIP ASTM D1557




## HYDROMETER RESULT

| ELAPSED TIME (MIN) | DIAMETER (mm) | TOTAL % PASSING |
|---|---|---|
| 0 | | |
| 1 | | |
| 2 | | |
| 5 | | |
| 8 | | |
| 15 | | |
| 30 | | |
| 60 | | |
| 250 | | |
| 1440 | | |
| | | |

| | |
|---|---|
| **SOUNDNESS OF AGG.** (ASTM C88) | **N/A** |
| **DEGRADATION** (ATM T-313) | **N/A** |
| **LA ABRASION** (ASTM C131/C535) | **N/A** |
| **SP. GRAV. COARSE AGG.** (ASTM C127) | **N/A** |



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| PROJECT CLIENT: | **RESPEC** |
| PROJECT NAME: | **City of Homer - Highland Dr.** |
| PROJECT NO.: | **7354-25** |
| SAMPLE DESC.: | **Project # I 0306.25020** |
| NGE-TFT ID #: | **25-104-2** |
| CLASSIFICATION: | **Silty sand w/ gravel** |
| DATE RECEIVED: | **4/23/2025** |
| TESTED BY: | **Jacob Maevin** |
| REVIEWED BY: | **Sean Totzke** |

| | | | |
|---|---|---|---|
| % GRAVEL | **30.6** | USCS | **SM** |
| % SAND | **45.4** | USACOE FC | **N/A** |
| % SILT/CLAY | **24.0** | % PASS. 0.02 mm | **N/A** |
| % MOIST. CONTENT | **22.7** | % PASS. 0.002 mm | **N/A** |
| UNIFORMITY COEFFICIENT ($C_u$) | | | **UNKNOWN** |
| COEFFICIENT OF GRADATION ($C_c$) | | | **UNKNOWN** |
| ASTM D1557 (uncorrected) | | | **N/A** |
| ASTM D4718 (corrected) | | | **N/A** |
| OPTIMUM MOIST. CONTENT. (corrected) | | | **N/A** |

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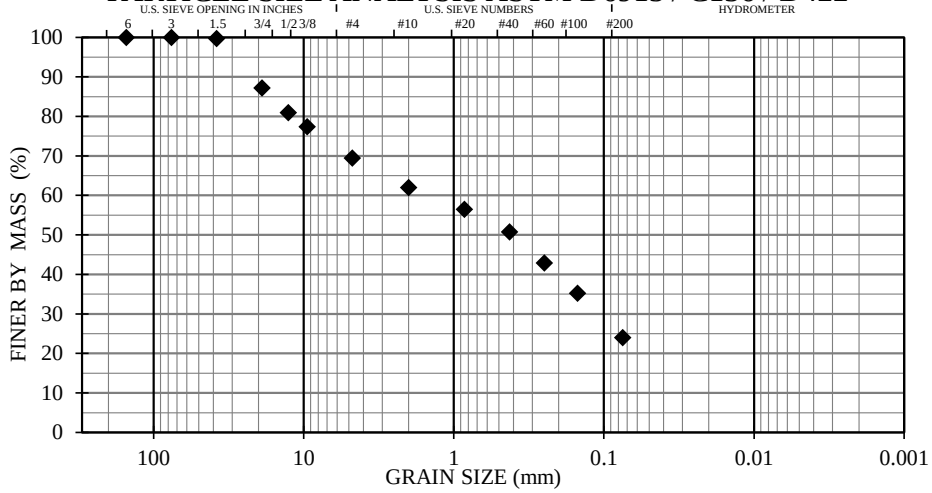


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| 2.00 | #10 | **62** | |
| 0.85 | #20 | **56** | |
| 0.43 | #40 | **51** | |
| 0.25 | #60 | **43** | |
| 0.15 | #100 | **35** | |
| 0.075 | #200 | **24.0** | |

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| 0 | | |
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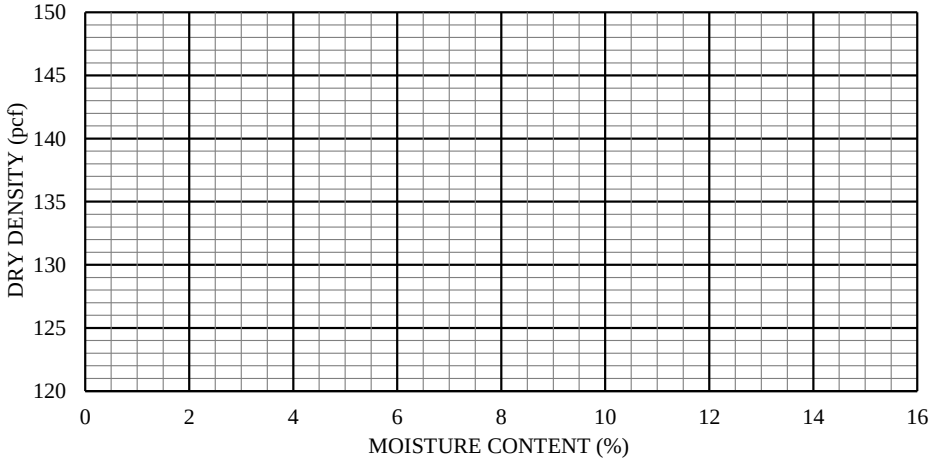
## MOISTURE-DENSITY RELATIONSHIP ASTM D1557




| | |
|---|---|
| **SOUNDNESS OF AGG.** (ASTM C88) | **N/A** |
| **DEGRADATION** (ATM T-313) | **N/A** |
| **LA ABRASION** (ASTM C131/C535) | **N/A** |
| **SP. GRAV. COARSE AGG.** (ASTM C127) | **N/A** |



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