

**Report #:** SNG-000056  
**Test date:** 06/24/22  
**Report Date:** 06/30/2022  
**Test Method:** ASTM D 6938

**Client:**  
 Sub4 Development Corporation  
 2301 West Bradley Avenue Suite 2  
 Champaign, IL 61821

**Project:**  
 CS19163.001F-345  
 Solace Colorado Springs  
 Powers Boulevard and Galley Road  
 Colorado Springs, CO

Colorado Springs  
 5170 Mark Dabling Blvd  
 Colorado Springs, CO 80918  
 Phone: 719-528-8300

**Test Results**

| Test # | Retest Of | Test Date | Proctor ID | Method | Soil Classification | Optimum Moisture (%) | Maximum Dry Density (pcf) | In Place Moisture (%) | In Place Dry Density (pcf) | In Place Wet Density (pcf) | Probe Depth (in) | Percent Compaction | Min Comp. (%) | Optimum Moisture Tolerance (%) | Remark |
|--------|-----------|-----------|------------|--------|---------------------|----------------------|---------------------------|-----------------------|----------------------------|----------------------------|------------------|--------------------|---------------|--------------------------------|--------|
| 126    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 8.2                   | 122.9                      | 133.0                      | 8                | 95                 | 95            | -2 / 2                         | A      |
| 127    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 8.2                   | 123.5                      | 133.6                      | 8                | 95                 | 95            | -2 / 2                         | A      |
| 128    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 7.3                   | 123.1                      | 132.1                      | 8                | 95                 | 95            | -2 / 2                         | A      |
| 129    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 7.7                   | 123.1                      | 132.6                      | 8                | 95                 | 95            | -2 / 2                         | A      |
| 130    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 6.5                   | 122.9                      | 130.9                      | 8                | 95                 | 95            | -2 / 2                         | A      |
| 131    |           | 06/24/22  | 1          | 1557B  | Granular            | 7.7                  | 130.0                     | 6.7                   | 123.0                      | 131.2                      | 8                | 95                 | 95            | -2 / 2                         | A      |

**Test Information**

| Test # | Test Location  | Elevation | Reference            | Gauge Make / Model / SN / Calibrated | Field Technician |
|--------|--|-----------|----------------------|--------------------------------------|------------------|
| 126    | Wingwall Backfill: North spillway retention wall, NW wing lift 2 | 8.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |
| 127    | Wingwall Backfill: North spillway retention wall, SW wing lift 2 | 8.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |
| 128    | Wingwall Backfill: North spillway retention wall, NW wing lift 3 | 6.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |
| 129    | Wingwall Backfill: North spillway retention wall, SW wing lift 3 | 6.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |
| 130    | Wingwall Backfill: North spillway retention wall, NW wing lift 4 | 4.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |
| 131    | Wingwall Backfill: North spillway retention wall, SW wing lift 4 | 4.0       | Below proposed grade | TROXLER / 3430 / 33970 / 04/12/2022  | Vigil, Michael   |

| Remarks                                     | Comments   |
|---|--|
| A: Test results comply with specifications. | <p>Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.</p> <p><b>131:</b> During site visit, the contractor moisture conditioned and applied compaction effort to the backfill for the north spillway retention wall. Compaction testing was completed by CTL Thompson and Carlos of Araco was notified of the test results as well as Natasha of El Paso County. Weather: cloudy, breezy and 68Degrees F</p> |