

Report #: SNG-000058
Test date: 06/28/22
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
133		06/28/22	1	1557B	Granular	7.7	130.0	5.7	125.6	132.8	8	97	95	-2 / 2	A
134		06/28/22	2	1557B	Granular	9.0	127.0	8.4	120.9	131.0	8	95	95	-2 / 2	A
135		06/28/22	2	1557B	Granular	9.0	127.0	7.5	121.7	130.8	8	96	95	-2 / 2	A
136		06/28/22	2	1557B	Granular	9.0	127.0	7.4	122.0	131.0	8	96	95	-2 / 2	A
137		06/28/22	2	1557B	Granular	9.0	127.0	7.2	124.1	133.0	8	98	95	-2 / 2	A
138		06/28/22	2	1557B	Granular	9.0	127.0	7.4	123.0	132.1	8	97	95	-2 / 2	A
139		06/28/22	2	1557B	Granular	9.0	127.0	7.2	124.4	133.3	8	98	95	-2 / 2	A
140		06/28/22	2	1557B	Granular	9.0	127.0	8.1	123.0	133.0	8	97	95	-2 / 2	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
133	Wingwall Backfill: North Spillway Retention Wall, North center, lift 1	10.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
134	Wingwall Backfill: North Spillway Retention Wall, South East wing, Lift 1	10.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
135	Wingwall Backfill: North Spillway Retention Wall, South Center, Lift 2	8.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
136	Wingwall Backfill: North Spillway Retention Wall, North East wing, Lift 1	10.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
137	Wingwall Backfill: North Spillway Retention Wall, North center, Lift 2	8.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
138	Wingwall Backfill: North Spillway Retention Wall, North center, Lift 3	6.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
139	Wingwall Backfill: North Spillway Retention Wall, South East wing, Lift 2	8.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
140	Wingwall Backfill: North Spillway Retention Wall, South center, Lift 3	6.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael

Remarks	Comments
A: Test results comply with specifications.	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

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141		06/28/22	2	1557B	Granular	9.0	127.0	7.8	120.4	129.8	8	95	95	-2 / 2	A
154		06/28/22	0		Data	10.0	1.0	0.0	1.0	1.0	Backscatter	100	0	NA	E

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
141	Wingwall Backfill: North Spillway Retention Wall, North East wing, Lift 2	8.0	Below proposed grade	CPN / MC-1 / MD80304176 / 04/05/2022	Vigil, Michael
154	Cancelled on Site: Waterline trench.			XPLORER / 3500 / 1993 / 08/31/2021	Wheatley, Zachary

Remarks	Comments
<p>A: Test results comply with specifications.</p> <p>E: Test number for data entry purposes only.</p>	<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>141: 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 Cory the site superintendent was notified of test results. Weather: sunny and 75 Degrees F</p> <p>154: No additional backfill had been placed prior to the requested site visit.</p>