



Entech Engineering
505 Elkton Dr.
Colorado Springs, CO 80907
Phone: 719-531-5599

Soil Density Report

Client:

Leisure Construction
3442 Tampa Rd, Ste B
Palm Harbor, FL 34684

Project:

251156
2510 Canada Dr - My Garage at Northcrest
2510 Canada Dr - My Garage at Northcrest
Colorado Springs, CO

Test Results

Subject / Overall Test #	Test Location	Elevation (feet)	Reference	Test Date	Proctor ID	In Place Moist. (%)	In Place Dry Density (pcf)	Percent Comp.	Min Comp. (%)	Opt. Moisture Tolerance (%)	Rem. Code	Retest Of	Field Tech
15 / 27	Footing/Foundation Subgrade: 15' east & 15' south of the northwest corner of the pond walls.	-	At Grade	09/22/2025	P1	8.1	118.3	97	95	-2 / 2	DPMP		RL
16 / 28	Footing/Foundation Subgrade: 25' south of the northwest corner of the pond walls.	-	At Grade	09/22/2025	P1	9.0	117.7	97	95	-2 / 2	DPMP		RL
17 / 29	Footing/Foundation Subgrade: 25' east of the southwest corner of the pond walls.	-	At Grade	09/22/2025	P1	11.6	117.9	97	95	-2 / 2	DPMP		RL

Remarks

DP/MP : Density Pass / Moisture Pass

Comments

Tests are "Direct Transmission" (Method A). Gauge calibration data on file with the testing Agency.

Proctor Data

Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)
P1	ASTM D1557 - A	SM	9.6	121.5



09/29/2025

Digitally Signed by Austin Nossokoff, PE



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Footing Observation

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Date of Observation:	09/23/2025
Plan Reference:	24028
Foundation Plans By:	Yow Architects
Foundation Plan Date:	10/03/2024
Location:	Pond Retaining Wall
Structure:	Footing
Field Tech:	Ross Lewis
Footing Reinforcing Approval Status:	Approved
Reviewed By:	Austin Nossokoff



10/01/2025

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Concrete Test

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Set #: 16 **Sample #: 5332** **Placement Date:** 09/23/2025 **Technician:** Michael Crytser **Weather Conditions:** Sunny **Air Temp (°F):** 48
Contractor: Rusin **Supplier:** Amrize **Mix Design:** 44502110 **Specified Strength (psi):** 4500
Placement Location: Detention Basin - Footing **Location Details:** Footers Detention Basin **Lat/Long:** 38.8685222 / -104.6993629

PLACEMENT DATA

Set #	Truck # Ticket #	Load Vol (yd³)	Slump (in)	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (°F)	Air Temp (°F)
16	347 71404644	12.00	Slump: 5 Spec: 5 - 7	Result: 5 Spec.: 5 - 8	141.6	65	48

STRENGTH DATA

Set / Test	Age (days)	Test Date	Strength (psi)	Fracture Pattern
16 / 17548	7	09/30/2025	4360	Type 2
16 / 17549	28	10/21/2025	5770	Type 3
16 / 17550	28	10/21/2025	5220	Type 2
16 / 17551	28	10/21/2025	5510	Type 2

Average Strength (psi): 7 Day - 4360 psi, 28 Day - 5500 psi

10/30/2025

Reviewed by: Dylan Gassmann, PE



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Foundation Wall Observation

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Date of Observation:	10/09/2025
Plan Reference:	24028
Foundation Plan By:	Yow
Foundation Plan Date:	10/03/2024
Location:	SEC of Site
Structure:	Pond Retaining Wall - East Half
Field Tech:	Ross Lewis
Foundation Wall Approval Status:	Foundation Reinforcement in General Conformance with Plan
Ufer:	Not Observed
Reviewed by:	Austin Nossokoff



10/29/2025

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Date of Observation:	10/13/2025
Plan Reference:	24028
Foundation Plan By:	Yow
Foundation Plan Date:	10/03/2024
Location:	SEC of Site
Structure:	Pond Retaining Wall - West Half
Field Tech:	Ross Lewis
Foundation Wall Approval Status:	Foundation Reinforcement in General Conformance with Plan
Ufer:	Not Observed
Reviewed by:	Austin Nossokoff



10/29/2025

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Set #: 19 **Sample #: 5601** **Contractor:** Rusin **Placement Date:** 10/13/2025 **Technician:** Barnhart, Jayce **Weather Conditions:** Sunny **Air Temp (°F):** 68
Supplier: Amrize **Mix Design:** 44502110 **Specified Strength (psi):** 4500
Placement Location: Detention Basin - Walls **Location Details:** Detention Basin Walls **Lat/Long:** 38.8682203 / -104.6989907

PLACEMENT DAT

Set #	Truck # Ticket #	Load Vol (yd³)	Slump (in)	Air Content (%)	Unit Weight (lb/ft³)	Concrete Temp (°F)	Air Temp (°F)
19	347 71405658	12.00	Slump: 6 Spec: 5 - 7	Result: 5.5 Spec.: 5 - 8	140.5	71	68

STRENGTH DATA

Set / Test	Age (days)	Test Date	Strength (psi)	Fracture Pattern
19 / 18427	7	10/20/2025	3890	Type 2
19 / 18428	28	11/10/2025	4980	Type 3
19 / 18429	28	11/10/2025	5120	Type 3
19 / 18430	28	11/10/2025	5090	Type 2

Average Strength (psi): 7 Day - 3890 psi, 28 Day - 5060 psi

11/30/2025

Reviewed by: Dylan Gassmann, PE