Soil Density Report

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

Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
448 /213	Water: Service, Lot 20 on Lunar Light Lane.	3	Below Grade	12/10/2025	P4	22.1	93.8	98	95	-1 / 3	DP/MP		JG
449 /214	Water: Service, Lot 21 on Lunar Light Lane.	3	Below Grade	12/10/2025	P4	23.1	92.6	97	95	-1 / 3	DP/MP		JG
450 /215	Water: Service, Lot 21 on Lunar Light Lane.	1	Below Grade	12/10/2025	P4	22.7	93.0	97	95	-1 / 3	DP/MP		JG
451 /216	Water: Service, Lot 20 on Lunar Light Lane.	1	Below Grade	12/10/2025	P4	21.9	92.9	97	95	-1 / 3	DP/MP		JG
452 /217	Water: Service, Lot 11 on Harvest Moon Terrace.	3	Below Grade	12/10/2025	P4	24.6	92.6	97	95	-1 / 3	DP/MP		JG
453 /218	Water: Service, Lot 11 on Harvest Moon Terrace.	1	Below Grade	12/10/2025	P4	22.4	94.2	98	95	-1 / 3	DP/MP		JG
454 /219	Water: Service, Lot 12 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P3	21.7	91.6	95	95	-1 / 3	DP/MP		NW
455 /220	Water: Service, Lot 12 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P7	18.0	101.5	96	95	-1 / 3	DP/MP		NW
456 /221	Water: Service, Lot 13 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P5	16.8	102.1	95	95	-2 / 2	DP/MP		NW
457 /222	Water: Service, Lot 13 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P5	17.5	104.6	97	95	-2 / 2	DP/MP		NW
458 /223	Water: Service, Lot 14 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P5	17.5	103.1	96	95	-2 / 2	DP/MP		NW
459 /224	Water: Service, Lot 14 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P7	19.0	104.7	99	95	-1 / 3	DP/MP		NW
460 /225	Water: Service, Lot 15 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P5	17.5	102.7	95	95	-2 / 2	DP/MP		NW
461 /226	Water: Service, Lot 15 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P7	19.6	102.1	96	95	-1 / 3	DP/MP		NW
462 /227	Water: Service, Lot 20 on Harvest Moon Terrace. (Filing 2)	3	Below Grade	12/12/2025	P3	20.8	95.6	99	95	-1 / 3	DP/MP		JG

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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
3 /265	Storm Water: Main, STA 1 + 50 west side on Harvest Moon Terrace (STM-C).	2	Below Grade	12/19/2025	P3	20.3	93.0	96	95	-1 / 3	DP/MP		JG

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)
P3	ASTM D698 - A	CL	20.4	96.8

12/29/2025
Reviewed by: Joey Goode, PE

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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
4 /266	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), east side of the inlet.	1	Below Grade	12/31/2025	P3	21.6	96.5	100	95	-1 / 3	DP/MP		JG
5 /267	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), north side of the inlet.	1	Below Grade	12/31/2025	P3	21.3	93.6	97	95	-1 / 3	DP/MP		JG
6 /268	Storm Water: Inlet, STA 1 + 28 on Harvest Moon Terrace (STM-A), north side of the inlet.	1	Below Grade	12/31/2025	P3	23.0	92.6	96	95	-1 / 3	DP/MP		JG
7 /269	Storm Water: Inlet, STA 1 + 28 on Harvest Moon Terrace (STM-A), west side of the inlet.	1	Below Grade	12/31/2025	P3	22.4	94.3	97	95	-1 / 3	DP/MP		JG
8 /270	Storm Water: Inlet, STA 1 + 00 on Harvest Moon Terrace (STM-A), east side of the inlet.	1	Below Grade	12/31/2025	P3	21.0	93.6	97	95	-1 / 3	DP/MP		JG
9 /271	Storm Water: Inlet, STA 1 + 00 on Harvest Moon Terrace (STM-A), south side of the inlet.	1	Below Grade	12/31/2025	P3	19.4	94.5	98	95	-1 / 3	DP/MP		JG
10 /272	Storm Water: STM-B forebay in the pond.	-	At Grade	01/07/2026	P3	22.8	94.7	98	95	-1 / 3	DP/MP		JG
11 /273	Storm Water: STM-C forebay in the pond.	-	At Grade	01/07/2026	P3	23.1	93.6	97	95	-1 / 3	DP/MP		JG

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)
P3	ASTM D698 - A	CL	20.4	96.8

01/10/2026
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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
12 /274	Storm Water: STM-A forebay in the pond.	-	At Grade	01/13/2026	P3	19.6	92.6	96	95	-1 / 3	DP/MP		JG
1 /275	Other: 40' west & 5' south of the southwest corner of STM-C.	-	At Grade	01/13/2026	P3	19.8	92.8	96	95	-1 / 3	DP/MP		JG

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)
P3	ASTM D698 - A	CL	20.4	96.8

01/24/2026
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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
13 /276	Storm Water: Trickle channel in the pond.	-	At Grade	01/21/2026	P3	29.2	83.8	87	95	-1 / 3	DF/MF		JG

Remarks

DF/MF : Density Fail / Moisture Fail

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)
P3	ASTM D698 - A	CL	20.4	96.8

02/03/2026
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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
14 /277	Storm Water: Retest, Trickle channel in the pond, near the east forebay.	2	Below Grade	02/04/2026	P4	22.4	91.6	95	95	-1 / 3	DP/MP	276	JG
15 /278	Storm Water: STM-B west side of the forebay.	2	Below Grade	02/05/2026	P3	22.7	92.8	96	95	-1 / 3	DP/MP		JG
16 /279	Storm Water: Trickle channel, 10' west of the east forebay.	-	At Grade	02/05/2026	P3	19.7	96.0	99	95	-1 / 3	DP/MP		JG
17 /280	Storm Water: Main I-4 east side of STM-B.	4	Below Grade	02/05/2026	P3	21.1	94.3	97	95	-1 / 3	DP/MP		JG
18 /281	Storm Water: STM-B west side of the forebay.	-	At Grade	02/05/2026	P4	25.3	91.7	96	95	-1 / 3	DP/MP		JG
19 /282	Storm Water: Main I-4 east side of STM-B.	2	Below Grade	02/05/2026	P3	21.3	93.4	97	95	-1 / 3	DP/MP		JG
20 /283	Storm Water: Main I-4 east side of STM-B.	-	At Grade	02/05/2026	P3	20.9	91.7	95	95	-1 / 3	DP/MP		JG
21 /284	Storm Water: STM-C east side of the forebay.	2	Below Grade	02/05/2026	P4	25.1	92.6	97	95	-1 / 3	DP/MP		JG

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)
P4	ASTM D698 - A	CL	22.9	96
P3	ASTM D698 - A	CL	20.4	96.8

02/15/2026
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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
22 /285	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), east side of the inlet.	-	At Grade	02/23/2026	P3	33.0	77.0	80	95	-1 / 3	DF/MF		JG
23 /286	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), west side of the inlet.	-	At Grade	02/23/2026	P3	20.4	93.6	97	95	-1 / 3	DP/MP		JG
24 /287	Storm Water: Main, STA 1 + 20 (STM-C).	-	At Grade	02/23/2026	P3	21.0	94.1	97	95	-1 / 3	DP/MP		JG
25 /288	Storm Water: Inlet, STA 1 + 00 (STM-B), east side of the inlet.	-	At Grade	02/23/2026	P3	21.4	94.5	98	95	-1 / 3	DP/MP		JG
26 /289	Storm Water: Inlet, STA 1 + 00 (STM-B), west side of the inlet.	-	At Grade	02/23/2026	P3	21.5	93.7	97	95	-1 / 3	DP/MP		JG
27 /290	Storm Water: Inlet, STA 1 + 28 (STM-B), west side of the inlet.	-	At Grade	02/23/2026	P3	20.4	97.8	101	95	-1 / 3	DP/MP		JG
28 /291	Storm Water: Inlet, STA 1 + 28 (STM-B), south side of the inlet.	-	At Grade	02/23/2026	P3	22.6	96.2	99	95	-1 / 3	DP/MP		JG
29 /292	Storm Water: Main, STA 1 + 40 (STM-B).	-	At Grade	02/23/2026	P3	21.7	93.5	97	95	-1 / 3	DP/MP		JG
30 /293	Storm Water: Main, STA 1 + 20 (STM-A).	-	At Grade	02/23/2026	P3	21.4	98.1	101	95	-1 / 3	DP/MP		JG
31 /294	Storm Water: Main, STA 1 + 50 (STM-A).	-	At Grade	02/23/2026	P3	21.4	93.2	96	95	-1 / 3	DP/MP		JG
497 /295	Water: Main, STA 1 + 83 on Lunar Light Lane.	-	At Grade	02/23/2026	P3	21.3	95.4	99	95	-1 / 3	DP/MP		JG

Remarks

DF/MF : Density Fail / Moisture Fail
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)
P3	ASTM D698 - A	CL	20.4	96.8

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Habitat for Humanity 2802 North Prospect St Colorado Springs, CO 80907	251558 Rising Moon F1 F2 Rising Moon F1 F2 Fountain, CO

03/08/2026
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Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
32 /296	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), east side of the inlet.	-	At Grade	03/09/2026	P3	44.4	72.5	75	95	-1 / 3	DF/MF	285	JG
33 /297	Storm Water: East forebay in Pond A.	-	At Grade	03/10/2026	P8	26.2	89.4	96	95	-2 / 2	DP/MP		PA

Remarks

DF/MF : Density Fail / Moisture Fail
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)
P3	ASTM D698 - A	CL	20.4	96.8
P8	ASTM D698 - A	MH	24.2	93.6



03/19/2026
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Test Results

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34 /298	Storm Water: Inlet, STA 1 + 56 on Harvest Moon Terrace (STM-C), east side of the inlet.	-	At Grade	03/26/2026	P3	19.8	92.8	96	95	-1 / 3	DP/MP	296	JG

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)
P3	ASTM D698 - A	CL	20.4	96.8

04/07/2026
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1 /299	Curb & Gutter: STA 1 + 25 west side of Harvest Moon Terrace.	1	Below Grade	06/10/2026	P3	23.1	91.9	95	95	-1 / 3	DP/MP		JG
1 /300	Roadway Subgrade: STA 1 + 25 on Harvest Moon Terrace, southbound lane.	1	Below Grade	06/10/2026	P3	21.2	96.9	100	95	-1 / 3	DP/MP		JG
2 /301	Curb & Gutter: STA 3 + 25 east side of Harvest Moon Terrace.	1	Below Grade	06/10/2026	P3	23.2	93.6	97	95	-1 / 3	DP/MP		JG
2 /302	Roadway Subgrade: STA 3 + 25 on Harvest Moon Terrace, northbound lane.	1	Below Grade	06/10/2026	P4	24.2	94.2	98	95	-1 / 3	DP/MP		JG

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)
P3	ASTM D698 - A	CL	20.4	96.8
P4	ASTM D698 - A	CL	22.9	96

06/21/2026
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3 /303	Roadway Subgrade: Lunar Light Lane, 70 feet east of Rising Moon Dr., 6 feet north of the curb.	-	At Grade	06/16/2026	P3	21.8	91.8	95	95	-1 / 3	DP/MP		RL
4 /304	Roadway Subgrade: Rising Moon Dr., northbound lane, 25 feet north of Lunar Light Lane.	-	At Grade	06/16/2026	P3	20.9	96.0	99	95	-1 / 3	DP/MP		RL
5 /305	Roadway Subgrade: Rising Moon Dr., southbound lane, 180 feet north of Lunar Light Lane.	-	At Grade	06/16/2026	P3	20.0	93.1	96	95	-1 / 3	DP/MP		RL
6 /306	Roadway Subgrade: Harvest Moon Terrace, eastbound lane, 60 feet east of the eastward turn.	-	At Grade	06/16/2026	P3	20.1	96.3	100	95	-1 / 3	DP/MP		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)
P3	ASTM D698 - A	CL	20.4	96.8



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1 /299	Curb & Gutter: STA 1 + 50 west side of Harvest Moon Terrace.	1	Below Grade	06/10/2026	P3	23.1	91.9	95	95	-1 / 3	DP/MP		JG
1 /300	Roadway Subgrade: STA 1 + 50 on Harvest Moon Terrace, southbound lane.	1	Below Grade	06/10/2026	P3	21.2	96.9	100	95	-1 / 3	DP/MP		JG
2 /301	Curb & Gutter: STA 3 + 50 east side of Harvest Moon Terrace.	1	Below Grade	06/10/2026	P3	23.2	93.6	97	95	-1 / 3	DP/MP		JG
2 /302	Roadway Subgrade: STA 3 + 50 on Harvest Moon Terrace, northbound lane.	1	Below Grade	06/10/2026	P4	24.2	94.2	98	95	-1 / 3	DP/MP		JG
3 /303	Roadway Subgrade: STA 1 + 70 on Lunar Light Lane, Eastbound Lane	-	At Grade	06/16/2026	P3	21.8	91.8	95	95	-1 / 3	DP/MP		RL
4 /304	Roadway Subgrade: STA 5 + 75 on Harvest Moon Terrace, Northbound Lane	-	At Grade	06/16/2026	P3	20.9	96.0	99	95	-1 / 3	DP/MP		RL
5 /305	Roadway Subgrade: STA 7 + 10 on Harvest Moon Terrace, Southbound Lane	-	At Grade	06/16/2026	P3	20.0	93.1	96	95	-1 / 3	DP/MP		RL
6 /306	Roadway Subgrade: STA 8 + 50 on Harvest Moon Terrace, Eastbound Lane	-	At Grade	06/16/2026	P3	20.1	96.3	100	95	-1 / 3	DP/MP		RL
3 /307	Curb & Gutter: STA 1 + 75 on Harvest Moon Terrace, West Side	-	At Grade	06/23/2026	P6	9.0	106.1	78	95	-2 / 2	DF/MF		JG
4 /308	Curb & Gutter: STA 1 + 75 on Harvest Moon Terrace, East Side	-	At Grade	06/23/2026	P6	9.8	103.5	76	95	-2 / 2	DF/MF		JG
5 /309	Curb & Gutter: STA 2 + 00 on Harvest Moon Terrace, West Side	-	At Grade	06/27/2026	P9	5.3	125.3	96	95	-2 / 2	DP/MP	307	JG
12 /310	Curb & Gutter: STA 1 + 30 on Harvest Moon Terrace, Crosspan, Harvest Moon Terrace and Peaceful Meadow	-	At Grade	06/30/2026	P9	10.6	109.3	83	95	-2 / 2	DF/MF		JG
11 /311	Curb & Gutter: STA 2 + 00 on Harvest Moon Terrace, East Side	-	At Grade	06/30/2026	P3	19.5	93.5	97	95	-1 / 3	DP/MP	308	JG
6 /312	Curb & Gutter: STA 4 + 30 on Harvest Moon Terrace, East Side	-	At Grade	06/30/2026	P3	20.6	95.3	99	95	-1 / 3	DP/MP		JG
7 /313	Curb & Gutter: STA 4 + 30 on Harvest Moon Terrace, West Side	-	At Grade	07/01/2026	P9	4.1	119.4	91	95	-2 / 2	DF/MP		JG

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Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
8 /314	Curb & Gutter: STA 1 + 30 on Harvest Moon Terrace, Crosspan, East Side	-	At Grade	07/01/2026	P9	4.4	116.0	88	95	-2 / 2	DF/MP		JG
9 /315	Curb & Gutter: Crosspan, at the intersection of Harvest Moon Ter. and Lunar Light Lane.	-	At Grade	07/01/2026	P9	4.3	126.6	97	95	-2 / 2	DP/MP	314	JG
10 /316	Curb & Gutter: STA 4 + 30 on Harvest Moon Terrace, West Side	-	At Grade	07/01/2026	P9	5.6	128.4	98	95	-2 / 2	DP/MP	313	JG
13 /317	Curb & Gutter: STA 7 + 00 on Harvest Moon Terrace, East Side	-	At Grade	07/06/2026	P6	5.6	131.6	97	95	-2 / 2	DP/MP		JG
14 /318	Curb & Gutter: STA 6 + 70 on Harvest Moon Terrace, West Side	-	At Grade	07/06/2026	P6	5.3	129.2	95	95	-2 / 2	DP/MP		JG
15 /319	Curb & Gutter: STA 1 + 30 on Harvest Moon Terrace, Crosspan, Harvest Moon Terrace and Peaceful Meadow	-	At Grade	07/06/2026	P6	12.9	88.8	65	95	-2 / 2	DF/MF	310	JG
16 /320	Curb & Gutter: STA 8 + 20 on Harvest Moon Terrace, South Side	-	At Grade	07/07/2026	P9	5.8	128.6	98	95	-2 / 2	DP/MP		JG
17 /321	Curb & Gutter: STA 8 + 50 on Harvest Moon Terrace, North Side	-	At Grade	07/08/2026	P9	4.8	131.2	100	95	-2 / 2	DP/MP		KO
18 /322	Curb & Gutter: STA 1 + 30 on Harvest Moon Terrace, Crosspan of Harvest Moon Terrace and Peaceful Meadow	-	At Grade	07/13/2026	P6	5.7	132.9	98	95	-2 / 2	DP/MP	319	KO

Remarks

DP/MP : Density Pass / Moisture Pass
DF/MF : Density Fail / Moisture Fail
DF/MP : Density Fail / 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)
P3	ASTM D698 - A	CL	20.4	96.8
P4	ASTM D698 - A	CL	22.9	96
P6		Cls 6 ABC	6.5	136
P9	ASTM D1557 - C	Cls 6 R.C.	5.1	131.2

Entech Engineering
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Soil Density Report

Client:	Project:
Habitat for Humanity 2802 North Prospect St Colorado Springs, CO 80907	251558 Rising Moon F1 F2 Rising Moon F1 F2 Fountain, CO

07/28/2026
Reviewed by: Joey Goode

Soil Density Report

Entech Engineering
505 Elkton Dr.
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Phone: 719-531-5599

Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
7 /325	Roadway Subgrade: RCB, STA 1 + 25 on Lunar Light Ln., westbound lane.	-	At Grade	08/06/2026	P9	3.7	126.9	97	95	-2 / 2	DP/MP		JG
8 /326	Roadway Subgrade: RCB, STA 2 + 50 on Harvest Moon Ter., southbound lane.	-	At Grade	08/06/2026	P9	6.1	124.8	95	95	-2 / 2	DP/MP		JG
9 /327	Roadway Subgrade: RCB, STA 5 + 00 on Harvest Moon Ter., northbound lane.	-	At Grade	08/06/2026	P9	3.2	129.0	98	95	-2 / 2	DP/MP		JG
10 /328	Roadway Subgrade: RCB, STA 7 + 00 on Harvest Moon Ter., southbound lane.	-	At Grade	08/06/2026	P9	3.5	126.5	96	95	-2 / 2	DP/MP		JG
11 /329	Roadway Subgrade: RCB, STA 9 + 00 on Harvest Moon Ter., eastbound lane.	-	At Grade	08/06/2026	P9	3.6	126.1	96	95	-2 / 2	DP/MP		JG

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)
P9	ASTM D1557 - C	Cls 6 R.C.	5.1	131.2

08/25/2026
Reviewed by: Joey Goode

Soil Density Report

Entech Engineering
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Client:

Habitat Construction
200 S 17th St
Rocky Ford, CO 81067

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
1 / 1	Overlot: Lot 1 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	17.4	92.8	96	95	-1 / 3	DP/MF		JC
2 / 2	Overlot: Lot 2 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	19.4	96.3	100	95	-1 / 3	DP/MP		JG
3 / 3	Overlot: Lot 3 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	19.7	92.9	96	95	-1 / 3	DP/MP		JG
4 / 4	Overlot: Lot 7 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	23.0	91.6	95	95	-1 / 3	DP/MP		JG
5 / 5	Overlot: Lot 8 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	21.3	94.8	98	95	-1 / 3	DP/MP		JG
6 / 6	Overlot: Lot 9 on Harvest Moon Terrace.	-	At Grade	09/23/2025	P3	23.2	91.9	95	95	-1 / 3	DP/MP		JG

Remarks

DP/MF : Density Pass / Moisture Fail
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)
P3	ASTM D698 - A	CL	20.4	96.8

10/02/2025
Reviewed by: Joey Goode, PE

Soil Density Report

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Client:

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Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
1 / 7	Sanitary Sewer: Main, STA 2 + 00 on Harvest Moon Terrace.	5	Below Grade	10/09/2025	P3	22.4	92.3	95	95	-1 / 3	DP/MP		JG
2 / 8	Sanitary Sewer: Main, STA 2 + 00 on Harvest Moon Terrace.	3	Below Grade	10/09/2025	P3	23.4	93.6	97	95	-1 / 3	DP/MP		JG
3 / 9	Sanitary Sewer: Main, STA 2 + 00 on Harvest Moon Terrace.	1	Below Grade	10/09/2025	P3	22.0	92.4	96	95	-1 / 3	DP/MP		JG
4 / 10	Sanitary Sewer: Service, Lot 1 on Harvest Moon Terrace.	5	Below Grade	10/10/2025	P3	21.8	92.1	95	95	-1 / 3	DP/MP		NW
5 / 11	Sanitary Sewer: Service, Lot 1 on Harvest Moon Terrace.	3	Below Grade	10/10/2025	P3	20.6	92.8	96	95	-1 / 3	DP/MP		NW
6 / 12	Sanitary Sewer: Service, Lot 1 on Harvest Moon Terrace.	1	Below Grade	10/10/2025	P3	22.0	92.5	96	95	-1 / 3	DP/MP		NW
7 / 13	Sanitary Sewer: Service, Lot 2 on Harvest Moon Terrace.	5	Below Grade	10/10/2025	P3	23.1	92.6	96	95	-1 / 3	DP/MP		NW
8 / 14	Sanitary Sewer: Service, Lot 2 on Harvest Moon Terrace.	3	Below Grade	10/10/2025	P3	19.7	92.9	96	95	-1 / 3	DP/MP		NW
9 / 15	Sanitary Sewer: Service, Lot 2 on Harvest Moon Terrace.	1	Below Grade	10/10/2025	P3	19.8	92.6	96	95	-1 / 3	DP/MP		NW
10 / 16	Sanitary Sewer: Service, Lot 3 on Harvest Moon Terrace.	5	Below Grade	10/10/2025	P3	21.1	91.9	95	95	-1 / 3	DP/MP		NW
11 / 17	Sanitary Sewer: Service, Lot 3 on Harvest Moon Terrace.	3	Below Grade	10/10/2025	P3	20.9	91.7	95	95	-1 / 3	DP/MP		NW
12 / 18	Sanitary Sewer: Service, Lot 3 on Harvest Moon Terrace.	1	Below Grade	10/10/2025	P3	21.2	91.7	95	95	-1 / 3	DP/MP		NW
13 / 19	Sanitary Sewer: Service, Lot 4 on Harvest Moon Terrace.	5	Below Grade	10/10/2025	P3	23.1	92.7	96	95	-1 / 3	DP/MP		NW
14 / 20	Sanitary Sewer: Service, Lot 4 on Harvest Moon Terrace.	3	Below Grade	10/10/2025	P3	22.0	92.2	95	95	-1 / 3	DP/MP		NW
15 / 21	Sanitary Sewer: Service, Lot 4 on Harvest Moon Terrace.	1	Below Grade	10/10/2025	P3	22.1	91.8	95	95	-1 / 3	DP/MP		NW

Remarks **Comments**

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Soil Density Report

Client:

Habitat for Humanity
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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

DP/MP : Density Pass / Moisture Pass

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)
P3	ASTM D698 - A	CL	20.4	96.8

10/21/2025
Reviewed by: Joey Goode, PE

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Soil Density Report

Client:

Habitat for Humanity
2802 North Prospect St
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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
16 / 22	Sanitary Sewer: Service, Lot 1 on Harvest Moon Terrace.	-	At Grade	10/13/2025	P3	21.2	92.4	96	95	-1 / 3	DP/MP		JG
17 / 23	Sanitary Sewer: Service, Lot 2 on Harvest Moon Terrace.	-	At Grade	10/13/2025	P3	19.7	97.3	101	95	-1 / 3	DP/MP		JG
18 / 24	Sanitary Sewer: Service, Lot 8 on Harvest Moon Terrace.	5	Below Grade	10/15/2025	P3	23.0	96.4	100	95	-1 / 3	DP/MP		JG
19 / 25	Sanitary Sewer: Service, Lot 7 on Harvest Moon Terrace.	4	Below Grade	10/15/2025	P3	23.1	92.9	96	95	-1 / 3	DP/MP		JG
20 / 26	Sanitary Sewer: Service, Lot 6 on Harvest Moon Terrace.	5	Below Grade	10/15/2025	P3	21.8	92.3	95	95	-1 / 3	DP/MP		JG
21 / 27	Sanitary Sewer: Service, Lot 5 on Harvest Moon Terrace.	5	Below Grade	10/15/2025	P3	22.0	94.8	98	95	-1 / 3	DP/MP		JG
22 / 28	Sanitary Sewer: Service, Lot 4 on Harvest Moon Terrace.	-	At Grade	10/15/2025	P3	20.4	92.4	96	95	-1 / 3	DP/MP		JG
23 / 29	Sanitary Sewer: Service, Lot 5 on Harvest Moon Terrace.	3	Below Grade	10/15/2025	P3	23.1	94.3	97	95	-1 / 3	DP/MP		JG
24 / 30	Sanitary Sewer: Service, Lot 6 on Harvest Moon Terrace.	3	Below Grade	10/15/2025	P3	23.1	97.0	100	95	-1 / 3	DP/MP		JG
25 / 31	Sanitary Sewer: Service, Lot 7 on Harvest Moon Terrace.	2	Below Grade	10/16/2025	P3	19.4	92.9	96	95	-1 / 3	DP/MP		JG
26 / 32	Sanitary Sewer: Main, STA 4 + 00 on Harvest Moon Terrace.	5	Below Grade	10/16/2025	P3	22.6	92.9	96	95	-1 / 3	DP/MP		JG
27 / 33	Sanitary Sewer: Main, STA 4 + 00 on Harvest Moon Terrace.	3	Below Grade	10/16/2025	P3	23.1	96.4	100	95	-1 / 3	DP/MP		JG
28 / 34	Sanitary Sewer: Service, Lot 6 on Harvest Moon Terrace.	1	Below Grade	10/16/2025	P3	21.4	94.7	98	95	-1 / 3	DP/MP		JG
29 / 35	Sanitary Sewer: Service, Lot 5 on Harvest Moon Terrace.	1	Below Grade	10/16/2025	P3	21.9	94.7	98	95	-1 / 3	DP/MP		JG
30 / 36	Sanitary Sewer: Main, STA 4 + 00 on Harvest Moon Terrace.	1	Below Grade	10/16/2025	P3	21.8	96.4	100	95	-1 / 3	DP/MP		JG

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Soil Density Report

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Habitat for Humanity
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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
31 / 37	Sanitary Sewer: Service, Lot 8 on Harvest Moon Terrace.	3	Below Grade	10/16/2025	P3	21.7	92.7	96	95	-1 / 3	DP/MP		JG
32 / 38	Sanitary Sewer: Service, Lot 20 on Lunar Light Lane.	4	Below Grade	10/16/2025	P3	19.4	93.0	96	95	-1 / 3	DP/MP		JC
33 / 39	Sanitary Sewer: Main, STA 1 + 11 on Lunar Light Lane.	7	Below Grade	10/16/2025	P3	19.4	93.2	96	95	-1 / 3	DP/MP		JC
34 / 40	Sanitary Sewer: Main, STA 1 + 11 on Lunar Light Lane.	5	Below Grade	10/16/2025	P3	19.5	93.2	96	95	-1 / 3	DP/MP		JC
35 / 41	Sanitary Sewer: Service, Lot 21 on Lunar Light Lane.	4	Below Grade	10/16/2025	P3	19.4	93.6	97	95	-1 / 3	DP/MP		JC
36 / 42	Sanitary Sewer: Manhole 1, STA 5 + 35 on Harvest Moon Terrace, south side of the manhole.	5	Below Grade	10/16/2025	P3	21.8	93.6	97	95	-1 / 3	DP/MP		JC
37 / 43	Sanitary Sewer: Service, Lot 8 on Harvest Moon Terrace.	2	Below Grade	10/16/2025	P3	19.4	93.0	96	95	-1 / 3	DP/MP		JC
38 / 44	Sanitary Sewer: Service, Lot 7 on Harvest Moon Terrace.	2	Below Grade	10/16/2025	P3	19.6	93.1	96	95	-1 / 3	DP/MP		JC
39 / 45	Sanitary Sewer: Service, Lot 8 on Harvest Moon Terrace.	-	At Grade	10/17/2025	P3	21.1	96.9	100	95	-1 / 3	DP/MP		JG
40 / 46	Sanitary Sewer: Manhole 1, STA 5 + 35 on Harvest Moon Terrace, south side of the manhole.	3	Below Grade	10/17/2025	P3	21.8	94.7	98	95	-1 / 3	DP/MP		JG
41 / 47	Sanitary Sewer: Main, STA 1 + 11 on Lunar Light Lane.	3	Below Grade	10/17/2025	P3	23.0	93.4	97	95	-1 / 3	DP/MP		JG
42 / 48	Sanitary Sewer: Service, Lot 20 on Lunar Light Lane.	2	Below Grade	10/17/2025	P3	20.9	95.1	98	95	-1 / 3	DP/MP		JG
43 / 49	Sanitary Sewer: Service, Lot 21 on Lunar Light Lane.	2	Below Grade	10/17/2025	P3	21.6	93.6	97	95	-1 / 3	DP/MP		JG
44 / 50	Sanitary Sewer: Service, Lot 7 on Harvest Moon Terrace.	-	At Grade	10/17/2025	P3	21.7	95.6	99	95	-1 / 3	DP/MP		JG
45 / 51	Sanitary Sewer: Service, Lot 21 on Lunar Light Lane.	-	At Grade	10/18/2025	P3	20.6	93.8	97	95	-1 / 3	DP/MP		RL
46 / 52	Sanitary Sewer: Service, Lot 20 on Lunar Light Lane.	-	At Grade	10/18/2025	P3	20.2	97.9	101	95	-1 / 3	DP/MP		RL

Soil Density Report

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

Client:

Habitat for Humanity
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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
47 / 53	Sanitary Sewer: Main, STA 2 + 00 on Lunar Light Ln.	6	Below Grade	10/18/2025	P4	22.5	95.7	100	95	-1 / 3	DP/MP		RL
48 / 54	Sanitary Sewer: Main, STA 1 + 80 on Lunar Light Ln.	4	Below Grade	10/18/2025	P4	22.1	92.4	96	95	-1 / 3	DP/MP		RL
49 / 55	Sanitary Sewer: Main, STA 1 + 60 on Lunar Light Ln.	2	Below Grade	10/18/2025	P4	22.0	93.7	98	95	-1 / 3	DP/MP		RL
50 / 56	Sanitary Sewer: Manhole 1 at STA 5 + 35 on Harvest Moon Terrace.	1	Below Grade	10/18/2025	P4	22.2	92.4	96	95	-1 / 3	DP/MP		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)
P3	ASTM D698 - A	CL	20.4	96.8
P4	ASTM D698 - A	CL	22.9	96



10/23/2025
Reviewed by: Joey Goode, PE

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505 Elkton Dr.
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Soil Density Report

Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
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Fountain, 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
51 / 57	Sanitary Sewer: Manhole 1 at STA 5 + 35 on Harvest Moon Terrace.	-	At Grade	10/20/2025	P4	21.9	95.7	100	95	-1 / 3	DP/MP		JG
52 / 58	Sanitary Sewer: Manhole 4 at STA 2 + 60 on Lunar Light Lane.	5	Below Grade	10/20/2025	P4	21.9	94.6	99	95	-1 / 3	DP/MP		JG
53 / 59	Sanitary Sewer: Manhole 4, STA 2 + 60 on Lunar Light Lane.	3	Below Grade	10/21/2025	P4	23.6	93.4	97	95	-1 / 3	DP/MP		JG
54 / 60	Sanitary Sewer: Service, Lot 9 on Harvest Moon Terrace.	4	Below Grade	10/21/2025	P3	19.6	94.6	98	95	-1 / 3	DP/MP		JG
55 / 61	Sanitary Sewer: Service, Lot 10 on Harvest Moon Terrace.	4	Below Grade	10/21/2025	P3	20.3	92.6	96	95	-1 / 3	DP/MP		JG
56 / 62	Sanitary Sewer: Main, STA 6 + 50 on Harvest Moon Terrace.	5	Below Grade	10/21/2025	P3	22.3	96.1	99	95	-1 / 3	DP/MP		JG
57 / 63	Sanitary Sewer: Main, STA 6 + 50 on Harvest Moon Terrace.	3	Below Grade	10/21/2025	P3	22.4	93.6	97	95	-1 / 3	DP/MP		JG
58 / 64	Sanitary Sewer: Main, STA 6 + 50 on Harvest Moon Terrace.	1	Below Grade	10/21/2025	P3	19.6	93.4	97	95	-1 / 3	DP/MP		JG
59 / 65	Sanitary Sewer: Service, Lot 11 on Harvest Moon Terrace.	4	Below Grade	10/21/2025	P3	21.6	93.6	97	95	-1 / 3	DP/MP		JG
60 / 66	Sanitary Sewer: Service, Lot 12 on Harvest Moon Terrace.	4	Below Grade	10/21/2025	P3	19.6	92.4	96	95	-1 / 3	DP/MP		JG
61 / 67	Sanitary Sewer: Service, Lot 13 on Harvest Moon Terrace.	4	Below Grade	10/21/2025	P3	19.5	92.5	96	95	-1 / 3	DP/MP		JG
62 / 68	Sanitary Sewer: Service, Lot 9 on Harvest Moon Terrace.	2	Below Grade	10/21/2025	P3	19.6	94.8	98	95	-1 / 3	DP/MP		JG
63 / 69	Sanitary Sewer: Service, Lot 10 on Harvest Moon Terrace.	2	Below Grade	10/21/2025	P3	20.7	97.0	100	95	-1 / 3	DP/MP		JG
64 / 70	Sanitary Sewer: Service, Lot 11 on Harvest Moon Terrace.	2	Below Grade	10/21/2025	P3	20.8	92.8	96	95	-1 / 3	DP/MP		JG
65 / 71	Sanitary Sewer: Service, Lot 12 on Harvest Moon Terrace.	2	Below Grade	10/21/2025	P3	20.4	94.8	98	95	-1 / 3	DP/MP		JG

ENTECH ENGINEERING, INC.

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Soil Density Report

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Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

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Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
66 / 72	Sanitary Sewer: Service, Lot 13 on Harvest Moon Terrace.	2	Below Grade	10/21/2025	P3	19.9	94.0	97	95	-1 / 3	DP/MP		JG
67 / 73	Sanitary Sewer: Manhole 4, STA 2 + 60 on Lunar Light Lane.	1	Below Grade	10/21/2025	P4	24.4	92.1	96	95	-1 / 3	DP/MP		JG
68 / 74	Sanitary Sewer: Manhole 4 on Lunar Light Lane.	1	Below Grade	10/21/2025	P3	19.6	91.5	95	95	-1 / 3	DP/MP		JC
69 / 75	Sanitary Sewer: Manhole 2, STA 7 + 85 on Harvest Moon Terrace.	5	Below Grade	10/22/2025	P4	25.1	95.8	100	95	-1 / 3	DP/MP		JG
70 / 76	Sanitary Sewer: Service, Lot 9 on Harvest Moon Terrace.	-	At Grade	10/22/2025	P3	21.2	94.5	98	95	-1 / 3	DP/MP		JG
71 / 77	Sanitary Sewer: Service, Lot 10 on Harvest Moon Terrace.	-	At Grade	10/22/2025	P3	19.6	94.7	98	95	-1 / 3	DP/MP		JG
72 / 78	Sanitary Sewer: Service, Lot 11 on Harvest Moon Terrace.	-	At Grade	10/22/2025	P3	19.6	94.2	97	95	-1 / 3	DP/MP		JG
73 / 79	Sanitary Sewer: Service, Lot 12 on Harvest Moon Terrace.	-	At Grade	10/22/2025	P3	19.7	97.3	101	95	-1 / 3	DP/MP		JG
74 / 80	Sanitary Sewer: Service, Lot 13 on Harvest Moon Terrace.	-	At Grade	10/22/2025	P3	22.3	92.6	96	95	-1 / 3	DP/MP		JG
75 / 81	Sanitary Sewer: Service, Lot 14 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	19.8	94.9	98	95	-1 / 3	DP/MP		JG
76 / 82	Sanitary Sewer: Service, Lot 15 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	21.4	94.0	97	95	-1 / 3	DP/MP		JG
77 / 83	Sanitary Sewer: Service, Lot 16 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	20.2	96.7	100	95	-1 / 3	DP/MP		JG
78 / 84	Sanitary Sewer: Service, Lot 17 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	22.9	95.3	99	95	-1 / 3	DP/MP		JG
79 / 85	Sanitary Sewer: Service, Lot 20 (F2) on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	22.2	95.4	99	95	-1 / 3	DP/MP		JG
80 / 86	Sanitary Sewer: Service, Lot 18 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	19.5	95.0	98	95	-1 / 3	DP/MP		JG
81 / 87	Sanitary Sewer: Service, Lot 19 on Harvest Moon Terrace.	4	Below Grade	10/22/2025	P3	23.4	93.5	97	95	-1 / 3	DP/MP		JG

Soil Density Report

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

Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
82 / 88	Sanitary Sewer: Service, Lot 14 on Harvest Moon Terrace.	2	Below Grade	10/23/2025	P3	20.6	94.3	97	95	-1 / 3	DP/MP		JG
83 / 89	Sanitary Sewer: Manhole 2, STA 7 + 85 on Harvest Moon Terrace.	3	Below Grade	10/23/2025	P4	21.9	95.7	100	95	-1 / 3	DP/MP		JG
84 / 90	Sanitary Sewer: Service, Lot 15 on Harvest Moon Terrace.	4	Below Grade	10/23/2025	P4	21.9	91.1	95	95	-1 / 3	DP/MP		JC
85 / 91	Sanitary Sewer: Service, Lot 19 on Harvest Moon Terrace.	2	Below Grade	10/23/2025	P3	23.1	94.1	97	95	-1 / 3	DP/MP		JG
86 / 92	Sanitary Sewer: Service, Lot 16 on Harvest Moon Terrace.	4	Below Grade	10/23/2025	P3	19.4	91.5	95	95	-1 / 3	DP/MP		JC
87 / 93	Sanitary Sewer: Service, Lot 18 on Harvest Moon Terrace.	2	Below Grade	10/23/2025	P3	21.2	93.4	97	95	-1 / 3	DP/MP		JG
88 / 94	Sanitary Sewer: Service, Lot 17 on Harvest Moon Terrace.	4	Below Grade	10/23/2025	P3	20.2	98.2	101	95	-1 / 3	DP/MP		JC
89 / 95	Sanitary Sewer: Service, Lot 20 (F2) on Harvest Moon Terrace.	2	Below Grade	10/23/2025	P3	20.9	92.8	96	95	-1 / 3	DP/MP		JG
90 / 96	Sanitary Sewer: Manhole 3 on Harvest Moon Terrace.	5	Below Grade	10/23/2025	P3	22.6	93.5	97	95	-1 / 3	DP/MP		JG
91 / 97	Sanitary Sewer: Manhole 2, STA 7 + 85 on Harvest Moon Terrace.	1	Below Grade	10/24/2025	P4	22.0	95.0	99	95	-1 / 3	DP/MP		JG
92 / 98	Sanitary Sewer: Main, STA 8 + 50 on Harvest Moon Terrace.	5	Below Grade	10/24/2025	P4	21.9	94.8	99	95	-1 / 3	DP/MP		JG
93 / 99	Sanitary Sewer: Main, STA 8 + 40 on Harvest Moon Terrace.	3	Below Grade	10/24/2025	P4	24.1	93.1	97	95	-1 / 3	DP/MP		JG
94 /100	Sanitary Sewer: Main, STA 8 + 30 on Harvest Moon Terrace.	1	Below Grade	10/24/2025	P4	22.7	94.9	99	95	-1 / 3	DP/MP		JG
95 /101	Sanitary Sewer: Service, Lot 19 on Harvest Moon Terrace.	-	At Grade	10/24/2025	P3	21.8	93.8	97	95	-1 / 3	DP/MP		JG
96 /102	Sanitary Sewer: Service, Lot 20 (F2) on Harvest Moon Terrace.	-	At Grade	10/24/2025	P3	23.1	96.6	100	95	-1 / 3	DP/MP		JG
97 /103	Sanitary Sewer: Manhole 3 on Harvest Moon Terrace.	3	Below Grade	10/24/2025	P3	20.6	98.9	102	95	-1 / 3	DP/MP		JG

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
98 /104	Sanitary Sewer: Main, STA 8 + 50 on Harvest Moon Terrace.	3	Below Grade	10/24/2025	P3	19.4	97.0	100	95	-1 / 3	DP/MP		JC
99 /105	Sanitary Sewer: Main, STA 8 + 40 on Harvest Moon Terrace.	1	Below Grade	10/24/2025	P5	14.1	107.8	100	95	-2 / 2	DP/MP		JG
1 /109	Sanitary Sewer: Service, Lot 14 on Harvest Moon Terrace.	-	At Grade	10/24/2025	P5	15.0	105.5	98	95	-2 / 2	DP/MP		JC
2 /110	Sanitary Sewer: Service, Lot 15 on Harvest Moon Terrace.	-	At Grade	10/24/2025	P5	14.2	105.5	98	95	-2 / 2	DP/MP		JC
3 /111	Sanitary Sewer: Service, Lot 16 on Harvest Moon Terrace.	-	At Grade	10/24/2025	P5	15.7	105.5	98	95	-2 / 2	DP/MP		JC
4 /112	Sanitary Sewer: Service, Lot 17 on Harvest Moon Terrace.	-	At Grade	10/24/2025	P5	14.3	105.6	98	95	-2 / 2	DP/MP		JC

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)
P4	ASTM D698 - A	CL	22.9	96
P3	ASTM D698 - A	CL	20.4	96.8
P5	ASTM D1557 - A	SC	15.5	108

10/28/2025
Reviewed by: Joey Goode, PE

Soil Density Report

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
100 /106	Sanitary Sewer: Manhole 3, STA 9 + 97 on Harvest Moon Terrace.	1	Below Grade	10/27/2025	P3	19.4	93.1	96	95	-1 / 3	DP/MP		JC
101 /107	Sanitary Sewer: Main, STA 8 + 40 on Harvest Moon Terrace.	-	At Grade	10/27/2025	P4	21.9	93.5	97	95	-1 / 3	DP/MP		JC
102 /108	Sanitary Sewer: Main, STA 8 + 40 on Harvest Moon Terrace.	1	Below Grade	10/27/2025	P4	21.9	93.2	97	95	-1 / 3	DP/MP		JC
1 /113	Water: Main, STA 2 + 50 on Harvest Moon Terrace.	4	Below Grade	10/29/2025	P4	23.8	93.7	98	95	-1 / 3	DP/MP		JG
2 /114	Water: Main, STA 2 + 50 on Harvest Moon Terrace.	2	Below Grade	10/29/2025	P4	25.9	95.6	100	95	-1 / 3	DP/MP		JG
3 /115	Water: Valve cluster, 15' north & 23' east of the southwest corner of the intersection at Harvest Moon Terrace & Peaceful Meadow St., (ties in from filling to main on Peaceful Meadow St.).	4	Below Grade	10/30/2025	P3	22.1	91.7	95	95	-1 / 3	DP/MP		NW
4 /116	Water: Valve cluster, 15' north & 23' east of the southwest corner of the intersection at Harvest Moon Terrace & Peaceful Meadow St., (ties in from filling to main on Peaceful Meadow St.).	2	Below Grade	10/30/2025	P4	24.8	92.7	97	95	-1 / 3	DP/MP		NW
5 /117	Water: Valve cluster, 15' north & 23' east of the southwest corner of the intersection at Harvest Moon Terrace & Peaceful Meadow St., (ties in from filling to main on Peaceful Meadow St.).	-	At Grade	10/30/2025	P3	21.5	91.9	95	95	-1 / 3	DP/MP		NW
6 /118	Water: Valve cluster, 15' north & 23' east of the southwest corner of the intersection at Harvest Moon Terrace & Peaceful Meadow St., (ties in from filling to main on Peaceful Meadow St.).	-	At Grade	10/31/2025	P5	3.9	118.6	103	95	-2 / 2	DP/MP		JG

Remarks

DP/MP : Density Pass / Moisture Pass

Comments

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

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Soil Density Report

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

Proctor Data

Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)
P3	ASTM D698 - A	CL	20.4	96.8
P4	ASTM D698 - A	CL	22.9	96
P5		Cls 6 R.C.	10.9	114.7

11/07/2025
Reviewed by: Joey Goode, PE

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
7 /119	Water: Valve cluster, Node A, STA 4 + 79 on Harvest Moon Terrace.	4	Below Grade	11/07/2025	P4	24.3	92.5	96	95	-1 / 3	DP/MP		JG
8 /120	Water: Hydrant, Node A, STA 4 + 79 on Harvest Moon Terrace.	4	Below Grade	11/07/2025	P4	21.9	94.3	98	95	-1 / 3	DP/MP		JG
9 /121	Water: Main, STA 5 + 00 on Harvest Moon Terrace.	4	Below Grade	11/07/2025	P4	23.1	96.1	100	95	-1 / 3	DP/MP		JG
10 /122	Water: Main, STA 5 + 00 on Harvest Moon Terrace.	2	Below Grade	11/07/2025	P4	22.0	91.6	95	95	-1 / 3	DP/MP		JG
11 /123	Water: Valve cluster, Node A, STA 4 + 79 on Harvest Moon Terrace.	2	Below Grade	11/07/2025	P4	21.9	93.1	97	95	-1 / 3	DP/MP		JG
12 /124	Water: Hydrant, Node A, STA 4 + 79 on Harvest Moon Terrace.	2	Below Grade	11/07/2025	P4	23.1	94.5	98	95	-1 / 3	DP/MP		JG
13 /125	Water: Valve cluster, STA 1 + 00 on Lunar Light Lane.	4	Below Grade	11/07/2025	P4	22.1	93.8	98	95	-1 / 3	DP/MP		JG
14 /126	Water: Valve cluster, STA 1 + 00 on Lunar Light Lane.	2	Below Grade	11/07/2025	P3	21.2	91.6	95	95	-1 / 3	DP/MP		JG
15 /127	Water: Valve cluster, STA 1 + 79 on Lunar Light Lane.	4	Below Grade	11/07/2025	P3	21.6	91.9	95	95	-1 / 3	DP/MP		JG
16 /128	Water: Valve cluster, STA 1 + 79 on Lunar Light Lane.	2	Below Grade	11/07/2025	P3	19.8	91.7	95	95	-1 / 3	DP/MP		JG
17 /129	Water: Valve cluster, STA 1 + 79 on Lunar Light Lane.	2	Below Grade	11/07/2025	P3	22.4	93.1	96	95	-1 / 3	DP/MP		JG
18 /130	Water: Hydrant, STA 1 + 79 on Lunar Light Lane.	4	Below Grade	11/07/2025	P3	22.9	92.4	96	95	-1 / 3	DP/MP		JG
19 /131	Water: Main, STA 1 + 80 on Lunar Light Lane.	4	Below Grade	11/07/2025	P3	21.6	94.6	98	95	-1 / 3	DP/MP		JG
20 /132	Water: Hydrant, STA 1 + 79 on Lunar Light Lane.	2	Below Grade	11/07/2025	P3	20.6	92.3	95	95	-1 / 3	DP/MP		JG
21 /133	Water: Main, STA 1 + 80 on Lunar Light Lane.	2	Below Grade	11/07/2025	P3	20.9	93.6	97	95	-1 / 3	DP/MP		JG

Soil Density Report

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
22 /134	Water: Valve cluster, STA 7 + 52 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P4	24.0	92.9	97	95	-1 / 3	DP/MP		JG
23 /135	Water: Valve cluster, STA 7 + 52 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P4	21.9	91.9	96	95	-1 / 3	DP/MP		JG
24 /136	Water: Valve cluster, Node B, STA 7 + 19 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	21.1	91.8	95	95	-1 / 3	DP/MP		JG
25 /137	Water: Hydrant, Node B, STA 7 + 19 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	21.0	93.5	97	95	-1 / 3	DP/MP		JG
26 /138	Water: Valve cluster, Node B, STA 7 + 19 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	21.6	92.3	95	95	-1 / 3	DP/MP		JG
27 /139	Water: Main, STA 7 + 00 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	23.1	94.7	98	95	-1 / 3	DP/MP		JG
28 /140	Water: Main, STA 7 + 00 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	22.9	92.5	96	95	-1 / 3	DP/MP		JG
29 /141	Water: Valve, STA 8 + 00 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	22.6	94.6	98	95	-1 / 3	DP/MP		JG
30 /142	Water: Valve, STA 8 + 00 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	19.8	94.0	97	95	-1 / 3	DP/MP		JG
31 /143	Water: Main, STA 9 + 00 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	19.7	92.4	96	95	-1 / 3	DP/MP		JG
32 /144	Water: Main, STA 9 + 00 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	20.0	92.7	96	95	-1 / 3	DP/MP		JG
33 /145	Water: Valve cluster, Node C, STA 9 + 19 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	21.4	93.6	97	95	-1 / 3	DP/MP		JG
34 /146	Water: Hydrant, Node C, STA 9 + 19 on Harvest Moon Terrace.	4	Below Grade	11/10/2025	P3	20.5	94.4	98	95	-1 / 3	DP/MP		JG
35 /147	Water: Valve cluster, Node C, STA 9 + 19 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	23.1	93.0	96	95	-1 / 3	DP/MP		JG
36 /148	Water: Hydrant, Node B, STA 7 + 19 on Harvest Moon Terrace.	2	Below Grade	11/10/2025	P3	20.0	92.0	95	95	-1 / 3	DP/MP		JG
37 /149	Water: Hydrant, Node B, STA 7 + 19 on Harvest Moon Terrace.	2	Below Grade	11/11/2025	P3	19.4	91.5	95	95	-1 / 3	DP/MP		JC

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251558
Rising Moon F1 F2
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Fountain, CO

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
38 /150	Water: Hydrant, Node C, STA 9 + 19 on Harvest Moon Terrace.	2	Below Grade	11/11/2025	P3	19.4	93.6	97	95	-1 / 3	DP/MP		JC
39 /151	Water: Annex, Main, STA 2 + 00 west side of Harvest Moon Terrace.	4	Below Grade	11/11/2025	P3	20.0	95.1	98	95	-1 / 3	DP/MP		JG
40 /152	Water: Annex, Main, STA 2 + 00 west side of Harvest Moon Terrace.	2	Below Grade	11/11/2025	P3	20.4	93.1	96	95	-1 / 3	DP/MP		JG
41 /153	Water: Valve cluster. STA 5+75	-	At Grade	11/13/2025	P5	2.3	121.9	106	95	-2 / 2	DP/MF		JC
42 /154	Water: Valve cluster. STA 5+75	-	At Grade	11/13/2025	P5	3.1	121.6	106	95	-2 / 2	DP/MF		JG
43 /155	Water: Valve cluster, STA 5 + 75 on San Myrtle Dr.	-	At Grade	11/14/2025	P6	5.5	128.5	95	95	-2 / 2	DP/MP		JG

Remarks

DP/MP : Density Pass / Moisture Pass
DP/MF : Density Pass / Moisture Fail

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)
P4	ASTM D698 - A	CL	22.9	96
P3	ASTM D698 - A	CL	20.4	96.8
P5		Cls 6 R.C.	10.9	114.7
P6		Cls 6 ABC	6.5	136



11/18/2025
Reviewed by: Joey Goode, PE

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Rising Moon F1 F2
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Fountain, 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
44 /156	Water: Valve, STA 2 + 82 on the trench from Harvest Moon Terrace to Chia Dr.	3	Below Grade	11/17/2025	P5	15.9	102.2	95	95	-2 / 2	DP/MP		JC
45 /157	Water: Main, 4 + 00 on Chia Dr.	3	Below Grade	11/17/2025	P3	19.4	95.8	99	95	-1 / 3	DP/MP		JC
46 /158	Water: Main, STA 4 + 00 on Chia Dr.	1	Below Grade	11/17/2025	P5	15.6	102.3	95	95	-2 / 2	DP/MP		NW
47 /159	Water: Valve, STA 2 + 82 on the trench from Harvest Moon Terrace to Chia Dr.	1	Below Grade	11/18/2025	P3	19.7	93.2	96	95	-1 / 3	DP/MP		JG
48 /160	Water: Valve, STA 2 + 82 on the trench from Harvest Moon Terrace to Chia Dr.	-	At Grade	11/18/2025	P3	19.6	92.6	96	95	-1 / 3	DP/MP		JG
103 /164	Sanitary Sewer: Main STA 2 + 00 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	19.5	94.3	97	95	-1 / 3	DP/MP		JG
104 /165	Sanitary Sewer: Main, STA 4 + 00 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	19.9	93.8	97	95	-1 / 3	DP/MP		JG
105 /166	Sanitary Sewer: Main, STA 1 + 11 on Lunar Light Lane.	-	At Grade	11/19/2025	P3	20.9	96.7	100	95	-1 / 3	DP/MP		JG
106 /167	Sanitary Sewer: Main, STA 1 + 11 on Lunar Light Lane.	1	Below Grade	11/19/2025	P3	23.2	93.1	96	95	-1 / 3	DP/MP		JG
107 /168	Sanitary Sewer: Main, STA 2 + 00 on Lunar Light Lane.	-	At Grade	11/19/2025	P3	19.6	92.0	95	95	-1 / 3	DP/MP		JG
108 /169	Sanitary Sewer: Manhole 4, STA 2 + 60 on Lunar Light Lane.	-	At Grade	11/19/2025	P3	21.2	95.1	98	95	-1 / 3	DP/MP		JG
109 /170	Sanitary Sewer: Main, STA 6 + 50 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	23.1	93.0	96	95	-1 / 3	DP/MP		JG
110 /171	Sanitary Sewer: Manhole 2 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	19.8	96.0	99	95	-1 / 3	DP/MP		JG
111 /172	Sanitary Sewer: Service, Lot 18 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	21.1	92.4	96	95	-1 / 3	DP/MP		JG
112 /173	Sanitary Sewer: Manhole 3 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	20.0	92.7	96	95	-1 / 3	DP/MP		JG

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Rising Moon F1 F2
Fountain, CO

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
113 /174	Sanitary Sewer: Service, Lot 6 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	21.4	92.7	96	95	-1 / 3	DP/MP		JG
114 /175	Sanitary Sewer: Service, Lot 3 on Harvest Moon Terrace.	-	At Grade	11/19/2025	P3	23.1	98.1	101	95	-1 / 3	DP/MP		JG
412 /176	Water: Main STA 2 + 50 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	20.4	95.9	99	95	-1 / 3	DP/MP		JG
413 /177	Water: Hydrant STA 4 + 79 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	21.6	92.4	96	95	-1 / 3	DP/MP		JG
414 /178	Water: Valve cluster, STA 4 + 79 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	23.1	93.1	96	95	-1 / 3	DP/MP		JG
416 /180	Water: Valve cluster, STA 1 + 00 on Lunar Light Lane.	-	At Grade	11/20/2025	P3	23.3	94.7	98	95	-1 / 3	DP/MP		JG
417 /181	Water: Valve cluster, STA 2 + 82 in between Chia Dr. & Harvest Moon Terrace.	-	At Grade	11/20/2025	P5	14.6	103.4	96	95	-2 / 2	DP/MP		NW
418 /182	Water: Main, STA 4 + 00 in between Chia Dr. & Harvest Moon Terrace.	-	At Grade	11/20/2025	P5	14.9	104.7	97	95	-2 / 2	DP/MP		NW
419 /183	Water: Main, STA 2 + 00 in between Chia Dr. & Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	19.6	96.3	100	95	-1 / 3	DP/MP		NW
420 /184	Water: Hydrant, Node C, STA 9 + 19 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P4	22.9	92.6	97	95	-1 / 3	DP/MP		NW
421 /185	Water: Valve cluster, Node C, STA 9 + 19 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	20.3	92.8	96	95	-1 / 3	DP/MP		NW
422 /186	Water: Main , STA 9 + 00 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	19.8	92.7	96	95	-1 / 3	DP/MP		NW
423 /187	Water: Valve , STA 8 + 00 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	20.3	96.3	100	95	-1 / 3	DP/MP		NW
424 /188	Water: Valve cluster, STA 7 + 52 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	19.9	94.5	98	95	-1 / 3	DP/MP		NW
425 /189	Water: Valve cluster, STA 7 + 19 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	20.2	92.9	96	95	-1 / 3	DP/MP		NW
426 /190	Water: Hydrant, STA 7 + 19 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	21.0	93.4	97	95	-1 / 3	DP/MP		NW
427 /191	Water: Main, STA 7 + 00 on Harvest Moon Terrace.	-	At Grade	11/20/2025	P3	20.6	93.6	97	95	-1 / 3	DP/MP		NW

Soil Density Report

Entech Engineering
505 Elkton Dr.
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Phone: 719-531-5599

Client:

Habitat for Humanity
2802 North Prospect St
Colorado Springs, CO 80907

Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
115 /192	Sanitary Sewer: Service, Lot 5 on Harvest Moon Terrace.	-	At Grade	11/21/2025	P3	21.6	92.9	96	95	-1 / 3	DP/MP		JG

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)
P5	ASTM D1557 - A	SC	15.5	108
P3	ASTM D698 - A	CL	20.4	96.8
P4	ASTM D698 - A	CL	22.9	96



11/25/2025
Reviewed by: Joey Goode, PE

Soil Density Report

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251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, 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
428 /193	Water: Service, Lot 4 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	25.2	90.7	95	95	-1 / 3	DP/MP		JG
429 /194	Water: Service, Lot 4 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	24.5	92.1	96	95	-1 / 3	DP/MP		JG
430 /195	Water: Service, Lot 5 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	25.3	93.1	97	95	-1 / 3	DP/MP		JG
431 /196	Water: Service, Lot 5 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	23.4	92.7	97	95	-1 / 3	DP/MP		JG
432 /197	Water: Service, Lot 6 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	24.5	92.4	96	95	-1 / 3	DP/MP		JG
433 /198	Water: Service, Lot 6 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	24.3	91.8	96	95	-1 / 3	DP/MP		JG
434 /199	Water: Service, Lot 8 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	22.9	91.2	95	95	-1 / 3	DP/MP		NW
435 /200	Water: Service, Lot 7 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	22.5	94.7	99	95	-1 / 3	DP/MP		NW
436 /201	Water: Service, Lot 7 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.0	91.5	95	95	-1 / 3	DP/MP		NW
437 /202	Water: Service, Lot 3 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	24.8	92.1	96	95	-1 / 3	DP/MP		NW
438 /203	Water: Service, Lot 3 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.6	93.9	98	95	-1 / 3	DP/MP		NW
439 /204	Water: Service, Lot 2 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	22.7	90.9	95	95	-1 / 3	DP/MP		NW
440 /205	Water: Service, Lot 2 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.6	92.3	96	95	-1 / 3	DP/MP		NW
441 /206	Water: Service, Lot 1 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	21.9	93.4	97	95	-1 / 3	DP/MP		NW
442 /207	Water: Service, Lot 1 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.9	94.2	98	95	-1 / 3	DP/MP		NW

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Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
443 /208	Water: Service, Lot 8 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.4	93.7	98	95	-1 / 3	DP/MP		NW
444 /209	Water: Service, Lot 9 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	23.8	94.2	98	95	-1 / 3	DP/MP		NW
445 /210	Water: Service, Lot 10 on Harvest Moon Terrace.	3	Below Grade	12/02/2025	P4	22.8	92.6	97	95	-1 / 3	DP/MP		NW
446 /211	Water: Service, Lot 10 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P4	22.3	95.4	99	95	-1 / 3	DP/MP		NW
447 /212	Water: Service, Lot 9 on Harvest Moon Terrace.	1	Below Grade	12/02/2025	P3	20.1	93.4	97	95	-1 / 3	DP/MP		NW

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)
P4	ASTM D698 - A	CL	22.9	96
P3	ASTM D698 - A	CL	20.4	96.8

12/09/2025
Reviewed by: Joey Goode, PE

Soil Density Report

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Rising Moon F1 F2
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Fountain, 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
1 /330	Sidewalk Subgrade: Pedestrian Ramp/Sidewalk, northeast corner of the intersection at Lunar Light Lane and Harvest Moon Ter.	-	At Grade	10/05/2026	P3	10.4	91.2	94	95	-1 / 3	DF/MF		JG
2 /331	Sidewalk Subgrade: Pedestrian Ramp/Sidewalk, southeast corner of the intersection at Lunar Light Lane and Harvest Moon Ter.	-	At Grade	10/05/2026	P3	8.2	94.2	97	95	-1 / 3	DP/MF		JG
3 /332	Sidewalk Subgrade: 40 feet south and 3 feet east of the southeast corner of the intersection at Lunar Light Lane and Harvest Moon Ter.	-	At Grade	10/05/2026	P9	4.6	103.5	79	95	-2 / 2	DF/MF		JG
4 /333	Sidewalk Subgrade: Pedestrian Ramp, 40 feet west and 5 feet north of the northeast corner of the intersection at Lunar Light Lane and Harvedst Moon Ter.	-	At Grade	10/05/2026	P9	9.5	101.8	78	95	-2 / 2	DF/MF		JG
5 /334	Sidewalk Subgrade: 10 feet south and 10 feet east of the southeast corner of the intersection at Lunar Light Lane and Harvest Moon Ter.	-	At Grade	10/08/2026	P3	21.4	91.9	95	95	-1 / 3	DP/MP	331	JG
6 /335	Sidewalk Subgrade: 75 feet south and 5 feet east of the southeast corner of the intersection at Lunar Light Lane and Harvest Moon Ter., east side of Harvest Moon Ter.	-	At Grade	10/08/2026	P3	21.7	94.0	97	95	-1 / 3	DP/MP	332	JG
7 /336	Sidewalk Subgrade: Pedestrian Ramp, 10 feet east and 10 feet north of the northeast corner of the intersection at Harvest Moon Ter. and Lunar Light Ln.	-	At Grade	10/09/2026	P3	19.8	97.1	100	95	-1 / 3	DP/MP	330	GM
8 /337	Sidewalk Subgrade: Pedestrian Ramp, 20 feet east and 5 feet north of the northeast corner of the intersection at Harvest Moon Ter. and Lunar Light Ln.	-	At Grade	10/09/2026	P3	19.4	92.0	95	95	-1 / 3	DP/MP		GM
9 /338	Sidewalk Subgrade: Pedestrian Ramp, 5 feet west and 5 feet north of the northwest corner of the intersection at Harvest Moon Ter. and Lunar Light Ln.	-	At Grade	10/09/2026	P5	14.1	110.5	102	95	-2 / 2	DP/MP	333	GM
10 /339	Sidewalk Subgrade: 140 feet north and 5 feet east of the northeast corner of the intersection at Harvest Moon Ter. and Peaceful Meadow St.	-	At Grade	10/10/2026	P8	22.3	88.8	95	95	-2 / 2	DP/MP		GM

Soil Density Report

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Project:

251558
Rising Moon F1 F2
Rising Moon F1 F2
Fountain, CO

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
11 /340	Sidewalk Subgrade: 40 feet north and 5 feet east of the northeast corner of the intersection at Harvest Moon Ter. and Peaceful Meadow St.	-	At Grade	10/10/2026	P8	22.4	94.0	100	95	-2 / 2	DP/MP		GM

Remarks

DF/MF : Density Fail / Moisture Fail
DP/MF : Density Pass / Moisture Fail
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)
P3	ASTM D698 - A	CL	20.4	96.8
P9	ASTM D1557 - C	Cls 6 R.C.	5.1	131.2
P5	ASTM D1557 - A	SC	15.5	108
P8	ASTM D698 - A	MH	24.2	93.6



10/14/2026
Reviewed by: Joey Goode

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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
463 /228	Water: Service, Lot 20 on Harvest Moon Terrace. (Filing 2)	1	Below Grade	12/12/2025	P7	17.8	101.9	96	95	-1 / 3	DP/MP		JG
464 /229	Water: Service, Lot 18 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P3	19.9	94.0	97	95	-1 / 3	DP/MP		JG
465 /230	Water: Service, Lot 18 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P3	21.8	96.4	100	95	-1 / 3	DP/MP		JG
466 /231	Water: Service, Lot 19 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P3	20.8	94.4	98	95	-1 / 3	DP/MP		JG
467 /232	Water: Service, Lot 19 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P7	18.7	101.4	96	95	-1 / 3	DP/MP		JG
468 /233	Water: Service, Lot 16 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P3	19.5	95.3	99	95	-1 / 3	DP/MP		NW
469 /234	Water: Service, Lot 16 on Harvest Moon Terrace.	1	Below Grade	12/12/2025	P3	19.7	94.5	98	95	-1 / 3	DP/MP		NW
470 /235	Water: Service, Lot 17 on Harvest Moon Terrace.	3	Below Grade	12/12/2025	P3	19.7	95.8	99	95	-1 / 3	DP/MP		NW
471 /236	Water: Service, Lot 17 on Harvest Moon Terrace.	1	Below Grade	12/11/2025	P3	20.1	95.8	99	95	-1 / 3	DP/MP		NW
472 /237	Water: Service, Lot 1 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P5	17.4	102.4	95	95	-2 / 2	DP/MP		JG
473 /238	Water: Service, Lot 2 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.4	102.1	96	95	-1 / 3	DP/MP		JG
474 /239	Water: Service, Lot 3 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	19.0	103.9	98	95	-1 / 3	DP/MP		JG
475 /240	Water: Service, Lot 4 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	19.7	101.1	96	95	-1 / 3	DP/MP		JG
116 /241	Sanitary Sewer: Service, Lot 5 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.9	105.8	100	95	-1 / 3	DP/MP		JG
476 /242	Water: Service, Lot 5 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	20.1	104.9	99	95	-1 / 3	DP/MP		JG
477 /243	Water: Service, Lot 6 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.6	103.6	98	95	-1 / 3	DP/MP		JG
478 /244	Water: Service, Lot 7 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	19.1	103.4	98	95	-1 / 3	DP/MP		JG
479 /245	Water: Service, Lot 8 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.1	103.5	98	95	-1 / 3	DP/MP		JG

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Rising Moon F1 F2
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480 /246	Water: Service, Lot 9 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	20.6	106.1	100	95	-1 / 3	DP/MP		JG
481 /247	Water: Service, Lot 10 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P3	19.7	96.0	99	95	-1 / 3	DP/MP		JG
482 /248	Water: Service, Lot 11 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.4	106.1	100	95	-1 / 3	DP/MP		JG
483 /249	Water: Service, Lot 12 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	17.9	104.8	99	95	-1 / 3	DP/MP		JG
484 /250	Water: Service, Lot 13 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	20.3	100.3	95	95	-1 / 3	DP/MP		JG
485 /251	Water: Service, Lot 14 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	19.5	106.4	101	95	-1 / 3	DP/MP		JG
486 /252	Water: Service, Lot 15 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.6	103.7	98	95	-1 / 3	DP/MP		JG
487 /253	Water: Service, Lot 16 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	20.3	103.0	97	95	-1 / 3	DP/MP		JG
488 /254	Water: Service, Lot 17 on Harvest Moon Terrace.	1	Below Grade	12/15/2025	P7	17.4	103.6	98	95	-1 / 3	DP/MP		JG
489 /255	Water: Service, Lot 17 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	19.1	102.8	97	95	-1 / 3	DP/MP		JG
490 /256	Water: Service, Lot 20 (F2)on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	18.4	104.5	99	95	-1 / 3	DP/MP		JG
491 /257	Water: Service, Lot 18 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	17.3	103.7	98	95	-1 / 3	DP/MP		JG
492 /258	Water: Service, Lot 19 on Harvest Moon Terrace.	-	At Grade	12/15/2025	P7	20.9	100.7	95	95	-1 / 3	DP/MP		JG
493 /259	Water: Service, Lot 21 on Lunar Light Lane.	-	At Grade	12/15/2025	P7	19.8	102.5	97	95	-1 / 3	DP/MP		JG
494 /260	Water: Service, Lot 20 on Lunar Light Lane.	-	At Grade	12/15/2025	P7	17.3	102.1	96	95	-1 / 3	DP/MP		JG
495 /261	Water: Hydrant, STA 1 + 79 on Lunar Light Lane.	-	At Grade	12/15/2025	P7	17.2	106.5	101	95	-1 / 3	DP/MP		JG
496 /262	Water: Valve cluster, STA 1 + 79 on Lunar Light Lane.	-	At Grade	12/15/2025	P7	17.9	105.6	100	95	-1 / 3	DP/MP		JG
1 /263	Storm Water: Main, STA 1 + 50 north of Peaceful Meadow St.	2	Below Grade	12/17/2025	P3	20.2	91.5	95	95	-1 / 3	DP/MP		JG
2 /264	Storm Water: Main, STA 1 + 50 north of Peaceful Meadow St.	4	Below Grade	12/17/2025	P3	20.1	91.5	95	95	-1 / 3	DP/MP		JG

Remarks **Comments**

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Soil Density Report

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Rising Moon F1 F2
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Fountain, CO

DP/MP : Density Pass / Moisture Pass

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)
P4	ASTM D698 - A	CL	22.9	96
P3	ASTM D698 - A	CL	20.4	96.8
P7	ASTM D698 - A	CL	18	105.9
P5	ASTM D1557 - A	SC	15.5	108

12/23/2025
Reviewed by: Joey Goode, PE