



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599

**DENSITY TESTING SUMMARY
FLYING HORSE NORTH FILING 4
EL PASO COUNTY, COLORADO**

Prepared for:
Classic Communities
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Attn: Adam Doyle

August 21, 2026

Respectfully Submitted,

ENTECH ENGINEERING, INC.

Joseph C. Goode III, P.E.
Sr. Engineer

Entech Job No. 241144

JCG/

Roadway Overlot



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

Soil Density Report

Client:

Flying Horse Development, LLC
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Project:

241144
Flying Horse North F4
Flying Horse North
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
1 / 1	Overlot: STA 50 + 00 on Rubble Dr.	18	Below Grade	03/17/2025	P1	8.2	114.8	98	95	-2 / 2	DPMP		MS
2 / 2	Overlot: STA 51 + 00 on Rubble Dr., 50' south of centerline, outfall.	15	Below Grade	03/21/2025	P1	7.2	115.8	99	95	-2 / 2	DPMP		MS
3 / 3	Overlot: STA 51 + 50 on Rubble Dr., 35' south of centerline, outfall.	14	Below Grade	03/25/2025	P1	9.2	114.8	98	95	-2 / 2	DPMP		MS
4 / 4	Overlot: STA 51 + 00 on Rubble Dr.	17	Below Grade	03/25/2025	P1	8.4	114.6	98	95	-2 / 2	DPMP		MS
5 / 5	Overlot: STA 50 + 00 on Rubble Dr., 45' south of centerline of the road.	13	Below Grade	03/26/2025	P1	9.2	115.0	98	95	-2 / 2	DPMP		MS
6 / 6	Overlot: STA 51 + 00 on Rubble Dr., centerline of the road.	16	Below Grade	03/26/2025	P1	9.0	114.8	98	95	-2 / 2	DPMP		MS
7 / 7	Overlot: STA 52 + 00 on Rubble Dr., 30' north of the centerline of the road.	15	Below Grade	03/26/2025	P1	7.6	114.9	98	95	-2 / 2	DPMP		MS
8 / 8	Overlot: STA 51 + 50 on Rubble Dr., 45' south of centerline of the road (slope).	12	Below Grade	03/27/2025	P1	8.3	114.7	98	95	-2 / 2	DPMP		MS
9 / 9	Overlot: STA 51 + 00 on Rubble Dr., centerline of the road.	14	Below Grade	03/27/2025	P1	8.8	113.9	97	95	-2 / 2	DPMP		MS
10 / 10	Overlot: STA 50 + 50 on Rubble Dr., centerline of the road.	13	Below Grade	03/28/2025	P3	7.8	121.5	97	95	-2 / 2	DPMP		MS
11 / 11	Overlot: STA 51 + 50 on Stableford Terrace, 50' east of the center of the cul-de-sac.	1	Below Grade	04/10/2025	P1	6.8	112.8	96	95	-2 / 2	DPMP		MS
12 / 12	Overlot: STA 50 + 50 on Stableford Terrace, 25' east of the center of the cul-de-sac.	-	At Grade	04/10/2025	P1	8.2	112.1	96	95	-2 / 2	DPMP		MS
13 / 13	Overlot: STA 52 + 00 on Stableford Terrace, edge of the cul-de-sac.	-	At Grade	04/10/2025	P1	7.2	112.7	96	95	-2 / 2	DPMP		MS
14 / 14	Overlot: Pond A, north berm.	-	At Grade	04/11/2025	P4	8.7	122.8	95	95	-2 / 2	DPMP		MS
15 / 15	Overlot: Pond A, northeast berm.	2	Below Grade	04/11/2025	P4	8.5	122.9	95	95	-2 / 2	DPMP		MS
16 / 16	Overlot: Pond A, east berm, across the intersection of Black Forest Rd. & Terra Ridge Cir.	4	Below Grade	04/11/2025	P4	8.0	123.1	95	95	-2 / 2	DPMP		MS



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17 / 17	Overlot: Pond A, eastmost berm, across the intersection of Black Forest Rd. & Terra Ridge Cir.	2	Below Grade	04/11/2025	P4	9.2	122.2	95	95	-2 / 2	DPMP		MS
18 / 18	Overlot: Pond A, southeast corner of the berm, across the southeast corner of Black Forest Rd. & Terra Ridge Cir.	-	At Grade	04/11/2025	P4	8.9	122.0	95	95	-2 / 2	DPMP		MS
19 / 19	Overlot: STA 51 + 00 on Rubble Dr., centerline of road.	12	Below Grade	04/14/2025	P1	9.9	114.8	98	95	-2 / 2	DPMP		MS
20 / 20	Overlot: STA 49 + 50 on Rubble Dr., 35' north of the center of the road.	13	Below Grade	04/14/2025	P3	7.5	122.4	98	95	-2 / 2	DPMP		MS
21 / 21	Overlot: STA 52 + 00 on Rubble Dr., 45' south of the center of the road.	11	Below Grade	04/14/2025	P1	9.1	114.0	97	95	-2 / 2	DPMP		MS
22 / 22	Overlot: STA 49 + 00 on Rubble Dr., center of the road.	10	Below Grade	04/16/2025	P5	6.5	112.9	98	95	-2 / 2	DPMP		MS
23 / 23	Overlot: STA 51 + 50 on Rubble Dr., 75' north of the center of the road.	10	Below Grade	04/16/2025	P4	7.8	125.1	97	95	-2 / 2	DPMP		MS
24 / 24	Overlot: STA 52 + 50 on Rubble Dr., center of the road.	11	Below Grade	04/16/2025	P5	7.5	113.5	98	95	-2 / 2	DPMP		MS
25 / 25	Overlot: Pond B, northwest berm of the pond.	3	Below Grade	04/17/2025	P5	8.6	109.6	95	95	-2 / 2	DPMP		MS
26 / 26	Overlot: Pond B, northmost berm of the pond.	-	At Grade	04/17/2025	P1	8.3	110.9	95	95	-2 / 2	DPMP		MS
27 / 27	Overlot: Pond B, north berm, 15' from the pipe.	1	Below Grade	04/17/2025	P1	8.6	111.4	95	95	-2 / 2	DPMP		MS
28 / 28	Overlot: Pond C, northwest berm of the pond.	4	Below Grade	04/17/2025	P3	7.8	119.1	95	95	-2 / 2	DPMP		MS
29 / 29	Overlot: Pond C, northern slope of the pond.	2	Below Grade	04/17/2025	P1	7.9	111.0	95	95	-2 / 2	DPMP		MS
30 / 30	Overlot: Pond C, northeast top of the berm.	-	At Grade	04/17/2025	P1	8.0	111.9	96	95	-2 / 2	DPMP		MS
31 / 31	Overlot: Pond C, northwest top of the berm.	-	At Grade	04/17/2025	P5	7.1	109.5	95	95	-2 / 2	DPMP		MS
32 / 32	Overlot: STA 52 + 50 on Rubble Dr., center of the road.	10	Below Grade	04/21/2025	P5	8.2	112.5	97	95	-2 / 2	DPMP		MS



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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
33 / 33	Overlot: STA 52 + 25 on Rubble Dr., 25' south side of the road.	9	Below Grade	04/21/2025	P3	6.1	121.4	97	95	-2 / 2	DPMP		MS
34 / 34	Overlot: STA 51 + 00 on Rubble Dr., center of the road.	9	Below Grade	04/21/2025	P5	6.8	113.1	98	95	-2 / 2	DPMP		MS
35 / 35	Overlot: STA 48 + 75 on Rubble Dr., 75' south side of the road.	9	Below Grade	04/21/2025	P5	6.6	113.2	98	95	-2 / 2	DPMP		MS
36 / 36	Overlot: STA 14 + 50 on Bunker Trail, center of the road.	4	Below Grade	04/29/2025	P5	8.7	111.8	97	95	-2 / 2	DPMP		MS
37 / 37	Overlot: STA 13 + 50 on Bunker Trail, 15' west from the center of the road.	3	Below Grade	04/29/2025	P5	8.0	110.8	96	95	-2 / 2	DPMP		MS
38 / 38	Overlot: STA 15 + 00 on Bunker Trail, 15' east of the center of the road.	2	Below Grade	04/29/2025	P5	7.9	111.3	96	95	-2 / 2	DPMP		MS
39 / 39	Overlot: STA 14 + 50 on Bunker Trail, center of the road.	2	Below Grade	04/30/2025	P5	7.8	112.1	97	95	-2 / 2	DPMP		MS
40 / 40	Overlot: STA 13 + 50 on Bunker Trail, 15' west from the center of the road.	1	Below Grade	04/30/2025	P5	8.0	111.7	97	95	-2 / 2	DPMP		MS
41 / 41	Overlot: STA 51 + 00 on Bunker Trail, west edge of the cul-de-sac.	3	Below Grade	05/01/2025	P3	5.6	118.9	95	95	-2 / 2	DPMP		MS
42 / 42	Overlot: STA 52 + 00 on Bunker Trail, north edge of the cul-de-sac.	4	Below Grade	05/01/2025	P5	6.4	110.0	95	95	-2 / 2	DPMP		MS
43 / 43	Overlot: STA 53 + 00 on Bunker Trail, east edge of the cul-de-sac.	2	Below Grade	05/01/2025	P5	7.0	110.7	96	95	-2 / 2	DPMP		MS
44 / 44	Overlot: STA 53 + 00 on Bunker Trail, east edge of the cul-de-sac.	-	At Grade	05/05/2025	P5	7.4	110.9	96	95	-2 / 2	DPMP		MS
45 / 45	Overlot: STA 52 + 00 on Bunker Trail, north edge of the cul-de-sac.	2	Below Grade	05/05/2025	P5	7.9	110.7	96	95	-2 / 2	DPMP		MS
46 / 46	Overlot: STA 52 + 00 on Bunker Trail, north edge of the cul-de-sac.	-	At Grade	05/05/2025	P5	7.0	109.6	95	95	-2 / 2	DPMP		MS
47 / 47	Overlot: STA 51 + 00 on Bunker Trail, west edge of the cul-de-sac.	1	Below Grade	05/05/2025	P3	5.9	118.6	95	95	-2 / 2	DPMP		MS
48 / 48	Overlot: STA 51 + 00 on Bunker Trail, west edge of the cul-de-sac.	-	At Grade	05/05/2025	P3	6.0	119.1	95	95	-2 / 2	DPMP		MS



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49 / 49	Overlot: STA 12 + 50 on Bunker Trail, center of the road.	-	At Grade	05/05/2025	P5	7.2	111.0	96	95	-2 / 2	DPMP		MS
50 / 50	Overlot: STA 15 + 00 on Bunker Trail, center of the road.	-	At Grade	05/05/2025	P5	7.7	110.8	96	95	-2 / 2	DPMP		MS
51 / 51	Overlot: STA 18 + 00 on Fringe Place, 25' west & 10' north of the center of the cul-de-sac.	2	Below Grade	05/19/2025	P1	9.3	112.1	96	95	-2 / 2	DPMP		MS
52 / 52	Overlot: STA 52 + 00 on Fringe Place.	2	Below Grade	05/19/2025	P1	10.5	113.4	97	95	-2 / 2	DPMP		MS
53 / 55	Overlot: STA 18 + 00 on Fringe Place, 15' west & 25' north of the center of the cul-de-sac.	-	At Grade	05/20/2025	P1	8.3	114.0	97	95	-2 / 2	DPMP		MS
54 / 56	Overlot: STA 51 + 75 on Fringe Place.	-	At Grade	05/20/2025	P5	5.8	111.0	96	95	-2 / 2	DPMP		MS
55 / 61	Overlot: Entrance at Fringe Place, STA 10 + 20.	-	At Grade	05/22/2025	P1	7.7	113.4	97	95	-2 / 2	DPMP		MS
56 / 64	Overlot: STA 28 + 50 on Rubble Dr. 15' east of the center line of the road.	4	Below Grade	05/22/2025	P5	7.9	110.9	96	95	-2 / 2	DPMP		MS
57 / 67	Overlot: STA 29 + 50 on Rubble Dr. center line of the road.	3	Below Grade	05/23/2025	P5	8.3	110.8	96	95	-2 / 2	DPMP		MS
58 / 70	Overlot: STA 29 + 00 on Rubble Dr., center of the road.	2	Below Grade	06/02/2025	P1	9.5	114.8	98	95	-2 / 2	DPMP		MS
59 / 75	Overlot: STA 28 + 50 on Rubble Dr., center of the road.	-	At Grade	06/09/2025	P1	10.6	112.5	96	95	-2 / 2	DPMP		MS
60 / 81	Overlot: STA 15 + 00 on Rubble Dr.	2	Below Grade	06/12/2025	P5	7.8	112.3	97	95	-2 / 2	DPMP		MS
61 / 82	Overlot: STA 16 + 00 on Rubble Dr.	-	At Grade	06/12/2025	P3	6.3	122.7	98	95	-2 / 2	DPMP		MS
62 / 83	Overlot: STA 16 + 00 on Gimme Way.	-	At Grade	06/12/2025	P1	8.7	113.8	97	95	-2 / 2	DPMP		MS
63 / 84	Overlot: STA 15 + 25 on Rubble Dr.	-	At Grade	06/16/2025	P5	7.2	112.2	97	95	-2 / 2	DPMP		MS
64 / 85	Overlot: STA 17 + 00 on Rubble Dr.	-	At Grade	06/16/2025	P5	7.0	112.8	98	95	-2 / 2	DPMP		MS
65 / 86	Overlot: STA 37 + 00 on Rubble Dr., center of the road.	-	At Grade	06/18/2025	P1	10.4	115.1	98	95	-2 / 2	DPMP		MS
66 / 89	Overlot: STA 49 + 25 on Rubble Dr.	8	Below Grade	06/19/2025	P3	5.6	121.4	97	95	-2 / 2	DPMP		MS



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67 / 90	Overlot: STA 51 + 00 on Rubble Dr.	8	Below Grade	06/19/2025	P3	5.4	122.0	97	95	-2 / 2	DPMP		MS
68 / 91	Overlot: STA 52 + 50 on Rubble Dr.	8	Below Grade	06/19/2025	P1	7.9	114.6	98	95	-2 / 2	DPMP		MS
69 / 92	Overlot: STA 52 + 50 on Rubble Dr.	7	Below Grade	06/20/2025	P3	6.0	122.4	98	95	-2 / 2	DPMP		MS
70 / 93	Overlot: STA 50 + 00 on Rubble Dr.	7	Below Grade	06/20/2025	P7	5.9	124.7	97	95	-2 / 2	DPMP		MS
71 / 94	Overlot: STA 37 + 00 on Rubble Dr.	-	At Grade	06/20/2025	P7	5.8	124.3	97	95	-2 / 2	DPMP		MS
72 / 95	Overlot: STA 52 + 75 on Rubble Dr.	6	Below Grade	06/21/2025	P7	7.2	123.9	97	95	-2 / 2	DPMP		MS
73 / 96	Overlot: STA 51 + 00 on Rubble Dr.	6	Below Grade	06/21/2025	P7	7.0	124.1	97	95	-2 / 2	DPMP		MS
74 / 97	Overlot: STA 49 + 50 on Rubble Dr.	6	Below Grade	06/21/2025	P7	7.2	123.2	96	95	-2 / 2	DPMP		MS
75 / 98	Overlot: STA 52 + 50 on Rubble Dr.	4	Below Grade	06/23/2025	P7	8.1	123.8	96	95	-2 / 2	DPMP		MS
76 / 99	Overlot: 51 + 00 on Rubble Dr.	4	Below Grade	06/23/2025	P3	6.6	119.9	96	95	-2 / 2	DPMP		MS
77 / 100	Overlot: STA 49 + 50 on Rubble Dr.	4	Below Grade	06/23/2025	P7	6.5	122.9	96	95	-2 / 2	DPMP		MS
78 / 101	Overlot: STA 53 + 00 on Rubble Dr.	3	Below Grade	06/24/2025	P7	7.3	122.8	96	95	-2 / 2	DPMP		MS
79 / 102	Overlot: STA 50 + 50 on Rubble Dr.	3	Below Grade	06/24/2025	P7	7.0	123.1	96	95	-2 / 2	DPMP		MS
80 / 103	Overlot: STA 49 + 00 on Rubble Dr.	3	Below Grade	06/24/2025	P7	7.6	124.4	97	95	-2 / 2	DPMP		MS
81 / 104	Overlot: STA 48 + 50 on Rubble Dr.	2	Below Grade	06/25/2025	P7	7.4	123.1	96	95	-2 / 2	DPMP		MS
82 / 105	Overlot: STA 50 + 00 on Rubble Dr.	2	Below Grade	06/25/2025	P7	7.7	122.8	96	95	-2 / 2	DPMP		MS



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83 /106	Overlot: STA 52 + 50 on Rubble Dr.	2	Below Grade	06/25/2025	P7	7.0	123.6	96	95	-2 / 2	DPMP		MS
84 /107	Overlot: STA 53 + 00 on Rubble Dr.	1	Below Grade	06/26/2025	P7	6.4	122.8	96	95	-2 / 2	DPMP		MS
85 /108	Overlot: STA 51 + 00 on Rubble Dr.	1	Below Grade	06/26/2025	P1	7.8	114.2	98	95	-2 / 2	DPMP		MS
86 /109	Overlot: STA 48 + 50 on Rubble Dr.	1	Below Grade	06/26/2025	P7	7.1	124.1	97	95	-2 / 2	DPMP		MS
87 /110	Overlot: STA 53 + 50 on Rubble Dr.	-	At Grade	06/27/2025	P7	6.8	124.7	97	95	-2 / 2	DPMP		MS
88 /111	Overlot: STA 51 + 00 on Rubble Dr.	-	At Grade	06/27/2025	P7	7.0	126.0	98	95	-2 / 2	DPMP		MS
89 /112	Overlot: STA 48 + 50 on Rubble Dr.	-	At Grade	06/27/2025	P7	6.8	124.9	97	95	-2 / 2	DPMP		MS

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	8.7	117.1
P3	ASTM D1557 - A	SM	6.8	125.5
P4	ASTM D1557 - A	SC	7.3	129.1
P5	ASTM D1557 - A	SM	7.4	115.7
P7	ASTM D1557 - A	SM	7.1	128.4

Storm Water



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1 / 53	Storm Water: STA 16 + 50, entrance to Stableford Terrace.	2	Below Grade	05/19/2025	P5	6.9	112.3	97	95	-2 / 2	DPMP		MS
2 / 54	Storm Water: STA 16 + 50, entrance to Stableford Terrace.	-	At Grade	05/19/2025	P1	7.2	113.1	97	95	-2 / 2	DPMP		MS
3 / 57	Storm Water: STA 12 + 20 on Bunker Trail, 55' east of the center of the road.	1	Below Grade	05/20/2025	P1	8.6	112.8	96	95	-2 / 2	DPMP		MS
4 / 58	Storm Water: STA 12 + 20 on Bunker Trail, center of the road.	-	At Grade	05/20/2025	P5	6.8	113.8	98	95	-2 / 2	DPMP		MS
5 / 59	Storm Water: STA 36 + 15 on Rubble Dr., 20' west of the center of the road.	1	Below Grade	05/21/2025	P5	8.4	112.0	97	95	-2 / 2	DPMP		MS
6 / 60	Storm Water: STA 36 + 15 on Rubble Dr., 30' east of the center of the road.	-	At Grade	05/21/2025	P5	8.2	113.4	98	95	-2 / 2	DPMP		MS
7 / 62	Storm Water: North end of Pond C, STA 0 + 25.	2	Below Grade	05/22/2025	P2	10.0	121.4	96	95	-2 / 2	DPMP		MS
8 / 63	Storm Water: North end of Pond C, STA 0 + 25.	-	At Grade	05/22/2025	P2	10.2	123.0	98	95	-2 / 2	DPMP		MS
9 / 65	Storm Water: STA 23 + 00 on Fringe Place.	-	At Grade	05/22/2025	P5	7.7	112.7	97	95	-2 / 2	DPMP		MS
10 / 66	Storm Water: STA 22 + 00 on Fringe Place.	-	At Grade	05/22/2025	P5	7.9	111.9	97	95	-2 / 2	DPMP		MS
11 / 68	Storm Water: STA 21 + 80 on Fringe Place.	1	Below Grade	05/23/2025	P5	7.6	110.8	96	95	-2 / 2	DPMP		MS
12 / 69	Storm Water: STA 21 + 50 on Fringe Place.	-	At Grade	05/23/2025	P5	7.1	111.2	96	95	-2 / 2	DPMP		MS
13 / 71	Storm Water: Culvert 13, STA 2 + 00.	4	Below Grade	06/02/2025	P1	9.6	111.8	96	95	-2 / 2	DPMP		MS
14 / 72	Storm Water: Culvert 13, STA 1 + 80.	2	Below Grade	06/03/2025	P1	9.3	112.1	96	95	-2 / 2	DPMP		MS
15 / 73	Storm Water: Culvert 13, STA 1 + 80.	-	At Grade	06/03/2025	P6	5.8	124.5	96	95	-2 / 2	DPMP		MS
16 / 74	Storm Water: Culvert 9, STA 0 + 50.	-	At Grade	06/05/2025	P1	10.6	112.9	96	95	-2 / 2	DPMP		MS
17 / 76	Storm Water: Culvert 5, STA 20 + 60.	2	Below Grade	06/09/2025	P1	8.4	111.5	95	95	-2 / 2	DPMP		MS



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Soil Density Report

Client:

Flying Horse Development, LLC
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Project:

241144
Flying Horse North F4
Flying Horse North
Colorado Springs, 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
18 / 77	Storm Water: Culvert 5, STA 21 + 00.	-	At Grade	06/09/2025	P1	10.4	112.4	96	95	-2 / 2	DPMP		MS
19 / 78	Storm Water: Culvert 6, STA 0 + 50.	-	At Grade	06/10/2025	P5	7.8	112.4	97	95	-2 / 2	DPMP		MS
20 / 79	Storm Water: Pond B outlet, north end of the pond.	1	Below Grade	06/11/2025	P2	10.8	120.4	96	95	-2 / 2	DPMP		MS
21 / 80	Storm Water: Pond B outlet, north end of the pond.	-	At Grade	06/11/2025	P2	10.8	122.0	97	95	-2 / 2	DPMP		MS
22 / 87	Storm Water: Culvert 4, STA 21 + 20.	1	Below Grade	06/19/2025	P5	5.6	112.4	97	95	-2 / 2	DPMP		MS
23 / 88	Storm Water: Culvert 4, STA 21 + 20.	-	At Grade	06/19/2025	P5	5.5	112.7	97	95	-2 / 2	DPMP		MS

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	SM	7.4	115.7
P1	ASTM D1557 - A	SM	8.7	117.1
P2	ASTM D1557 - A	SM	9.4	126
P6	ASTM D1557 - C	Cls 6 ABC	7.4	130.1

Roadway Subgrade



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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
1 /113	Roadway Subgrade: STA 17 + 00 on Gimme Way.	-	At Grade	07/14/2025	P2	10.0	122.8	98	95	-2 / 2	DPMP		MS
2 /114	Roadway Subgrade: STA 14 + 50 on Gimme Way.	-	At Grade	07/14/2025	P1	9.2	115.1	98	95	-2 / 2	DPMP		MS
3 /115	Roadway Subgrade: STA 12 + 00 on Gimme Way.	-	At Grade	07/14/2025	P1	9.0	114.6	98	95	-2 / 2	DPMP		MS
4 /116	Roadway Subgrade: STA 37 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P3	5.0	121.1	97	95	-2 / 2	DPMP		MS
5 /117	Roadway Subgrade: STA 34 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P3	6.5	122.0	97	95	-2 / 2	DPMP		MS
6 /118	Roadway Subgrade: STA 32 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P1	7.3	114.8	98	95	-2 / 2	DPMP		MS
7 /119	Roadway Subgrade: STA 29 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P1	8.0	115.0	98	95	-2 / 2	DPMP		MS
8 /120	Roadway Subgrade: STA 27 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P3	5.8	122.8	98	95	-2 / 2	DPMP		MS
9 /121	Roadway Subgrade: STA 24 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P3	6.0	122.9	98	95	-2 / 2	DPMP		MS
10 /122	Roadway Subgrade: STA 22 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P1	9.5	113.8	97	95	-2 / 2	DPMP		MS
11 /123	Roadway Subgrade: STA 19 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P1	8.8	114.0	97	95	-2 / 2	DPMP		MS
12 /124	Roadway Subgrade: STA 17 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P5	6.0	112.6	97	95	-2 / 2	DPMP		MS
13 /125	Roadway Subgrade: CTS, STA 10 + 00 on Gimme Way.	-	At Grade	07/14/2025	P1	9.8	112.3	96	95	-2 / 2	DPMP		MS
14 /126	Roadway Subgrade: CTS, STA 12 + 50 on Gimme Way.	-	At Grade	07/14/2025	P1	9.6	112.8	96	95	-2 / 2	DPMP		MS
15 /127	Roadway Subgrade: CTS, STA 15 + 00 on Gimme Way.	-	At Grade	07/14/2025	P1	10.0	112.5	96	95	-2 / 2	DPMP		MS
16 /128	Roadway Subgrade: CTS, STA 17 + 00 on Gimme Way.	-	At Grade	07/14/2025	P2	10.3	121.8	97	95	-2 / 2	DPMP		MS
17 /129	Roadway Subgrade: CTS, STA 16 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P5	8.0	110.9	96	95	-2 / 2	DPMP		MS
18 /130	Roadway Subgrade: CTS, STA 19 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P1	9.6	113.1	97	95	-2 / 2	DPMP		MS



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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
19 /131	Roadway Subgrade: CTS, STA 21 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P1	9.3	112.1	96	95	-2 / 2	DPMP		MS
20 /132	Roadway Subgrade: CTS, STA 24 + 00 on Rubble Dr.	-	At Grade	07/14/2025	P3	7.8	122.0	97	95	-2 / 2	DPMP		MS
21 /133	Roadway Subgrade: CTS, STA 26 + 50 on Rubble Dr.	-	At Grade	07/14/2025	P3	7.5	122.2	97	95	-2 / 2	DPMP		MS
22 /134	Roadway Subgrade: STA 55 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.3	115.2	98	95	-2 / 2	DPMP		MS
23 /135	Roadway Subgrade: STA 52 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.6	115.8	99	95	-2 / 2	DPMP		MS
24 /136	Roadway Subgrade: STA 50 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.6	115.0	98	95	-2 / 2	DPMP		MS
25 /137	Roadway Subgrade: STA 47 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.2	115.1	98	95	-2 / 2	DPMP		MS
26 /138	Roadway Subgrade: STA 45 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	7.9	114.8	98	95	-2 / 2	DPMP		MS
27 /139	Roadway Subgrade: STA 42 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.8	115.1	98	95	-2 / 2	DPMP		MS
28 /140	Roadway Subgrade: STA 10 + 00 on Stableford Ter.	-	At Grade	07/15/2025	P1	8.4	114.3	98	95	-2 / 2	DPMP		MS
29 /141	Roadway Subgrade: STA 12 + 50 on Stableford Ter.	-	At Grade	07/15/2025	P1	7.6	114.6	98	95	-2 / 2	DPMP		MS
30 /142	Roadway Subgrade: STA 15 + 00 on Stableford Ter.	-	At Grade	07/15/2025	P1	8.3	113.9	97	95	-2 / 2	DPMP		MS
31 /143	Roadway Subgrade: CTS, STA 29 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	10.2	112.8	96	95	-2 / 2	DPMP		MS
32 /144	Roadway Subgrade: CTS, STA 31 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	10.0	114.2	98	95	-2 / 2	DPMP		MS
33 /145	Roadway Subgrade: CTS, STA 34 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P3	7.6	122.4	98	95	-2 / 2	DPMP		MS
34 /146	Roadway Subgrade: CTS, STA 36 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P3	6.7	121.8	97	95	-2 / 2	DPMP		MS
35 /147	Roadway Subgrade: CTS, STA 39 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.2	113.9	97	95	-2 / 2	DPMP		MS
36 /148	Roadway Subgrade: CTS, STA 16 + 00 on Stableford Ter.	-	At Grade	07/15/2025	P1	8.6	114.1	97	95	-2 / 2	DPMP		MS



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37 /149	Roadway Subgrade: CTS, STA 13 + 50 on Stableford Ter.	-	At Grade	07/15/2025	P1	8.2	115.1	98	95	-2 / 2	DPMP		MS
38 /150	Roadway Subgrade: CTS, STA 11 + 00 on Stableford Ter.	-	At Grade	07/15/2025	P1	8.5	114.4	98	95	-2 / 2	DPMP		MS
39 /151	Roadway Subgrade: CTS, STA 41 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	9.2	114.8	98	95	-2 / 2	DPMP		MS
40 /152	Roadway Subgrade: CTS, STA 44 + 00 on Rubble Dr.	-	At Grade	07/15/2025	P1	8.8	114.2	98	95	-2 / 2	DPMP		MS
41 /153	Roadway Subgrade: CTS, STA 46 + 50 on Rubble Dr.	-	At Grade	07/15/2025	P1	9.0	113.5	97	95	-2 / 2	DPMP		MS
42 /154	Roadway Subgrade: STA 18 + 00 on Fringe Pl.	1	Below Grade	07/16/2025	P10	8.9	109.9	96	95	-2 / 2	DPMP		MS
43 /155	Roadway Subgrade: STA 15 + 50 on Fringe Pl.	1	Below Grade	07/16/2025	P10	9.5	110.1	97	95	-2 / 2	DPMP		MS
44 /156	Roadway Subgrade: STA 13 + 00 on Fringe Pl.	1	Below Grade	07/16/2025	P10	9.1	110.8	97	95	-2 / 2	DPMP		MS
45 /157	Roadway Subgrade: STA 10 + 50 on Fringe Pl.	1	Below Grade	07/16/2025	P10	8.8	109.6	96	95	-2 / 2	DPMP		MS
46 /158	Roadway Subgrade: STA 11 + 00 on Fringe Pl.	-	At Grade	07/16/2025	P1	9.2	112.0	96	95	-2 / 2	DPMP		MS
47 /159	Roadway Subgrade: STA 13 + 50 on Fringe Pl.	-	At Grade	07/16/2025	P1	9.6	113.1	97	95	-2 / 2	DPMP		MS
48 /160	Roadway Subgrade: STA 16 + 00 on Fringe Pl.	-	At Grade	07/16/2025	P1	9.1	114.1	97	95	-2 / 2	DPMP		MS
49 /161	Roadway Subgrade: STA 18 + 00 on Fringe Pl.	-	At Grade	07/16/2025	P1	9.3	113.3	97	95	-2 / 2	DPMP		MS
50 /162	Roadway Subgrade: CTS, STA 10 + 00 on Bunker Trl.	-	At Grade	07/16/2025	P1	10.2	112.9	96	95	-2 / 2	DPMP		MS
51 /163	Roadway Subgrade: CTS, STA 12 + 50 on Bunker Trl.	-	At Grade	07/16/2025	P1	9.9	113.5	97	95	-2 / 2	DPMP		MS
52 /164	Roadway Subgrade: CTS, STA 15 + 00 on Bunker Trl.	-	At Grade	07/16/2025	P1	10.0	113.3	97	95	-2 / 2	DPMP		MS
53 /165	Roadway Subgrade: CTS, STA 49 + 00 on Rubble Dr.	-	At Grade	07/16/2025	P1	9.6	113.8	97	95	-2 / 2	DPMP		MS



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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
54 /166	Roadway Subgrade: CTS, STA 51 + 50 on Rubble Dr.	-	At Grade	07/16/2025	P1	9.2	114.0	97	95	-2 / 2	DPMP		MS
55 /167	Roadway Subgrade: CTS, STA 54 + 00 on Rubble Dr.	-	At Grade	07/16/2025	P1	9.3	113.4	97	95	-2 / 2	DPMP		MS
56 /168	Roadway Subgrade: CTS, STA 17 + 50 on Fringe Pl.	-	At Grade	07/16/2025	P1	10.6	113.8	97	95	-2 / 2	DPMP		MS
57 /169	Roadway Subgrade: CTS, STA 15 + 00 on Fringe Pl.	-	At Grade	07/16/2025	P1	9.6	114.6	98	95	-2 / 2	DPMP		MS
58 /170	Roadway Subgrade: CTS, STA 12 + 50 on Fringe Pl.	-	At Grade	07/16/2025	P1	10.4	113.8	97	95	-2 / 2	DPMP		MS
59 /171	Roadway Subgrade: CTS, STA 10 + 50 on Fringe Pl.	-	At Grade	07/16/2025	P1	10.3	114.2	98	95	-2 / 2	DPMP		MS
60 /172	Roadway Subgrade: ABC, STA 11 + 00 on Black Forest Rd., deceleration lane.	-	At Grade	11/05/2025	P6	7.2	126.6	97	95	-2 / 2	DPMP		MS
61 /173	Roadway Subgrade: ABC, STA 13 + 00 on Black Forest Rd., deceleration lane.	-	At Grade	11/05/2025	P6	7.6	127.3	98	95	-2 / 2	DPMP		MS
62 /174	Roadway Subgrade: ABC, STA 15 + 00 on Black Forest Rd., deceleration lane.	-	At Grade	11/05/2025	P6	8.3	127.1	98	95	-2 / 2	DPMP		MS
63 /175	Roadway Subgrade: ABC, STA 16 + 50 on Black Forest Rd., deceleration lane.	-	At Grade	11/05/2025	P6	8.5	126.6	97	95	-2 / 2	DPMP		MS
64 /176	Roadway Subgrade: ABC, STA 21 + 00 on Black Forest Rd., acceleration lane.	-	At Grade	11/05/2025	P6	8.6	125.9	97	95	-2 / 2	DPMP		MS
65 /177	Roadway Subgrade: ABC, STA 23 + 00 on Black Forest Rd., acceleration lane.	-	At Grade	11/05/2025	P6	8.3	126.5	97	95	-2 / 2	DPMP		MS
66 /178	Roadway Subgrade: ABC, STA 24 + 50 on Black Forest Rd., acceleration lane.	-	At Grade	11/05/2025	P6	7.8	125.8	97	95	-2 / 2	DPMP		MS

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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Proctor Data

Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)
P2	ASTM D1557 - A	SM	9.4	126
P1	ASTM D1557 - A	SM	8.7	117.1
P3	ASTM D1557 - A	SM	6.8	125.5
P5	ASTM D1557 - A	SM	7.4	115.7
P10	ASTM D698 - A	ML		
P6	ASTM D1557 - C	Cls 6 ABC	7.4	130.1

SUMMARY OF CTS TEST RESULTS

FIELD SAMPLE ID	DATE SAMPLED	SOIL ADDITIVE	ADDITIVE PERCENTAGE (%)	WATER CONTENT (%)	DENSITY (dry)	AGE (days)	STRENGTH (psi)
RUBBLE DR., STA 22+00	7/14/2025	TYPE IL CEMENT	2	8.3	117.8	7	274
					126.1		430
					121.0		379
AVERAGE:							361
RUBBLE DR., STA 35+00	7/15/2025	TYPE IL CEMENT	2	9.2	124.6	6	342
					125.2		371
					124.4		305
AVERAGE:							340
RUBBLE DR., STA 50+00	7/16/2025	TYPE IL CEMENT	2	9.2	130.7	5	269
					130.9		252
					131.9		314
AVERAGE:							278

Notes:

1. CURING METHOD: 100° HUMIDIFIED OVEN

Asphalt Pavement



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Test Results

Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
1	06/05/2025	Bottom Lift, Drive Lane: Patch, Culvert 13 on Old Stagecoach Rd., eastbound lane.	4.0	(1/2") GR SX(75) PG 64-22	154.3	142.6	92	92 / 96	SP	MS	
2	06/05/2025	Top Lift, Drive Lane: Patch, Culvert 13 on Old Stagecoach Rd., westbound lane.	3.0	(1/2") GR SX(75) PG 64-22	154.3	141.2	92	92 / 96	SP	MS	
3	07/31/2025	Bottom Lift, Drive Lane: STA 10 + 00 on Gimme Way, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.1	92	92 / 96	SP	MS	
4	07/31/2025	Bottom Lift, Drive Lane: STA 12 + 50 on Gimme Way, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.8	92	92 / 96	SP	MS	
5	07/31/2025	Bottom Lift, Drive Lane: STA 15 + 00 on Gimme Way, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.3	92	92 / 96	SP	MS	
6	07/31/2025	Bottom Lift, Drive Lane: STA 17 + 50 on Gimme Way, eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.3	92	92 / 96	SP	MS	
7	07/31/2025	Bottom Lift, Drive Lane: STA 14 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.3	92	92 / 96	SP	MS	
8	07/31/2025	Bottom Lift, Drive Lane: STA 16 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.8	92	92 / 96	SP	MS	
9	07/31/2025	Bottom Lift, Drive Lane: STA 19 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.8	92	92 / 96	SP	MS	
10	07/31/2025	Bottom Lift, Drive Lane: STA 21 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.1	92	92 / 96	SP	MS	
11	08/01/2025	Bottom Lift, Drive Lane: STA 24 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.0	92	92 / 96	SP	MS	
12	08/01/2025	Bottom Lift, Drive Lane: STA 26 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.1	92	92 / 96	SP	MS	



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Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
13	08/01/2025	Bottom Lift, Drive Lane: STA 29 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.4	92	92 / 96	SP	MS	
14	08/01/2025	Bottom Lift, Drive Lane: STA 31 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.8	92	92 / 96	SP	MS	
15	08/01/2025	Bottom Lift, Drive Lane: STA 34 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.9	92	92 / 96	SP	MS	
16	08/01/2025	Bottom Lift, Drive Lane: STA 36 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.3	92	92 / 96	SP	MS	
17	08/01/2025	Bottom Lift, Drive Lane: STA 39 + 00 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.0	92	92 / 96	SP	MS	
18	08/01/2025	Bottom Lift, Drive Lane: STA 41 + 50 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.5	93	92 / 96	SP	MS	
19	08/01/2025	Bottom Lift, Drive Lane: STA 44 + 00 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.7	92	92 / 96	SP	MS	
20	08/01/2025	Bottom Lift, Drive Lane: STA 10 + 00 on Bunker Trail, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.2	92	92 / 96	SP	MS	
21	08/01/2025	Bottom Lift, Drive Lane: STA 12 + 50 on Bunker Trail, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.1	92	92 / 96	SP	MS	
22	08/01/2025	Bottom Lift, Drive Lane: STA 15 + 00 on Bunker Trail, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.0	92	92 / 96	SP	MS	
23	08/02/2025	Top Lift, Drive Lane: STA 54 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.9	92	92 / 96	SP	MS	
24	08/02/2025	Top Lift, Drive Lane: STA 51 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.7	92	92 / 96	SP	MS	
25	08/02/2025	Top Lift, Drive Lane: STA 49 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.4	92	92 / 96	SP	MS	



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241144
Flying Horse North F4
Flying Horse North
Colorado Springs, CO

Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
26	08/02/2025	Top Lift, Drive Lane: STA 46 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.4	92	92 / 96	SP	MS	
27	08/02/2025	Top Lift, Drive Lane: STA 44 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.4	92	92 / 96	SP	MS	
28	08/02/2025	Top Lift, Drive Lane: STA 41 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.5	93	92 / 96	SP	MS	
29	08/02/2025	Top Lift, Drive Lane: STA 10 + 00 on Stableford Terrace, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	154.0	141.4	92	92 / 96	SP	MS	
30	08/02/2025	Top Lift, Joint: STA 12 + 50 on Stableford Terrace, longitudinal joint.	2.0	(1/2") GR SX(75) PG 64-22	154.0	140.0	91	92 / 96	SP	MS	
31	08/02/2025	Top Lift, Drive Lane: STA 15 + 00 on Stableford Terrace, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	154.0	142.0	92	92 / 96	SP	MS	
32	08/13/2025	Bottom Lift, Drive Lane: STA 18 + 00 on Fringe Place, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.0	93	92 / 96	SP	MS	
33	08/13/2025	Bottom Lift, Drive Lane: STA 15 + 50 on Fringe Place, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.1	93	92 / 96	SP	MS	
34	08/13/2025	Bottom Lift, Drive Lane: STA 13 + 00 on Fringe Place, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.8	94	92 / 96	SP	MS	
35	08/13/2025	Bottom Lift, Drive Lane: STA 10 + 50 on Fringe Place, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.4	93	92 / 96	SP	MS	
36	08/14/2025	Top Lift, Drive Lane: STA 18 + 00 on Fringe Place, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	152.5	145.7	96	92 / 96	SP	MS	
37	08/14/2025	Top Lift, Drive Lane: STA 15 + 50 on Fringe Place, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	144.8	95	92 / 96	SP	MS	
38	08/14/2025	Top Lift, Drive Lane: STA 13 + 00 on Fringe Place, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.1	93	92 / 96	SP	MS	



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

Density of Asphalt

Client:

Flying Horse Development, LLC
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Project:

241144
Flying Horse North F4
Flying Horse North
Colorado Springs, CO

Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
39	08/14/2025	Top Lift, Drive Lane: STA 10 + 50 on Fringe Place, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.8	94	92 / 96	SP	MS	
40	08/15/2025	Top Lift, Drive Lane: STA 10 + 00 on Gimme Way, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.7	93	92 / 96	SP	MS	
41	08/15/2025	Top Lift, Drive Lane: STA 12 + 50 on Gimme Way, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.8	93	92 / 96	SP	MS	
42	08/15/2025	Top Lift, Drive Lane: STA 15 + 00 on Gimme Way, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.9	94	92 / 96	SP	MS	
43	08/15/2025	Top Lift, Drive Lane: STA 17 + 50 on Gimme Way, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	144.0	94	92 / 96	SP	MS	
44	08/15/2025	Top Lift, Drive Lane: STA 10 + 00 on Stableford Terrace, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.7	93	92 / 96	SP	MS	
45	08/15/2025	Top Lift, Drive Lane: STA 12 + 50 on Stableford Terrace, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.0	94	92 / 96	SP	MS	
46	08/15/2025	Top Lift, Drive Lane: STA 15 + 00 on Stableford Terrace, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.1	93	92 / 96	SP	MS	
47	08/16/2025	Top Lift, Drive Lane: STA 55 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.0	92	92 / 96	SP	MS	
48	08/16/2025	Top Lift, Drive Lane: STA 52 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	144.3	95	92 / 96	SP	MS	
49	08/16/2025	Top Lift, Drive Lane: STA 50 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.1	93	92 / 96	SP	MS	
50	08/16/2025	Top Lift, Drive Lane: STA 47 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.1	93	92 / 96	SP	MS	
51	08/16/2025	Top Lift, Drive Lane: STA 45 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.4	94	92 / 96	SP	MS	



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Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
52	08/16/2025	Top Lift, Drive Lane: STA 42 + 50 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.6	94	92 / 96	SP	MS	
53	08/16/2025	Top Lift, Drive Lane: STA 40 + 00 on Rubble Dr., eastbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.7	92	92 / 96	SP	MS	
54	08/16/2025	Top Lift, Drive Lane: STA 37 + 50 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.0	94	92 / 96	SP	MS	
55	08/16/2025	Top Lift, Drive Lane: STA 35 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.8	93	92 / 96	SP	MS	
56	08/16/2025	Top Lift, Drive Lane: STA 32 + 50 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.4	92	92 / 96	SP	MS	
57	08/16/2025	Top Lift, Drive Lane: STA 30 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.3	93	92 / 96	SP	MS	
58	08/16/2025	Top Lift, Drive Lane: STA 27 + 50 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.6	92	92 / 96	SP	MS	
59	08/16/2025	Top Lift, Drive Lane: STA 25 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.5	93	92 / 96	SP	MS	
60	08/16/2025	Top Lift, Drive Lane: STA 22 + 50 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.5	92	92 / 96	SP	MS	
61	08/16/2025	Top Lift, Drive Lane: STA 20 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.3	94	92 / 96	SP	MS	
62	08/16/2025	Top Lift, Drive Lane: STA 17 + 50 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.8	93	92 / 96	SP	MS	
63	08/16/2025	Top Lift, Drive Lane: STA 15 + 00 on Rubble Dr., southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.2	94	92 / 96	SP	MS	
64	08/18/2025	Top Lift, Drive Lane: STA 10 + 00 on Bunker Trail, center of the cul-de-sac.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.9	92	92 / 96	SP	MS	



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65	08/18/2025	Top Lift, Drive Lane: STA 12 + 50 on Bunker Trail, southbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.5	93	92 / 96	SP	MS	
66	08/18/2025	Top Lift, Drive Lane: STA 15 + 00 on Bunker Trail, northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.8	92	92 / 96	SP	MS	
67	08/18/2025	Top Lift, Drive Lane: STA 55 + 00 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.2	93	92 / 96	SP	MS	
68	08/18/2025	Top Lift, Drive Lane: STA 52 + 50 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.3	93	92 / 96	SP	MS	
69	08/18/2025	Top Lift, Drive Lane: STA 50 + 00 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.6	94	92 / 96	SP	MS	
70	08/18/2025	Top Lift, Drive Lane: STA 47 + 50 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.9	93	92 / 96	SP	MS	
71	08/18/2025	Top Lift, Drive Lane: STA 45 + 00 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	143.1	94	92 / 96	SP	MS	
72	08/18/2025	Top Lift, Drive Lane: STA 42 + 50 on Rubble Dr., westbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.2	93	92 / 96	SP	MS	
73	08/18/2025	Top Lift, Drive Lane: STA 40 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.6	92	92 / 96	SP	MS	
74	08/18/2025	Top Lift, Drive Lane: STA 37 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.5	92	92 / 96	SP	MS	
75	08/18/2025	Top Lift, Drive Lane: STA 35 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.0	93	92 / 96	SP	MS	
76	08/19/2025	Top Lift, Drive Lane: STA 32 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	144.8	95	92 / 96	SP	MS	
77	08/19/2025	Top Lift, Drive Lane: STA 30 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.9	92	92 / 96	SP	MS	



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78	08/19/2025	Top Lift, Drive Lane: STA 27 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.3	93	92 / 96	SP	MS	
79	08/19/2025	Top Lift, Drive Lane: STA 25 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.2	93	92 / 96	SP	MS	
80	08/19/2025	Top Lift, Drive Lane: STA 22 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	140.7	92	92 / 96	SP	MS	
81	08/19/2025	Top Lift, Drive Lane: STA 20 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.3	93	92 / 96	SP	MS	
82	08/19/2025	Top Lift, Drive Lane: STA 17 + 50 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	141.0	92	92 / 96	SP	MS	
83	08/19/2025	Top Lift, Drive Lane: STA 15 + 00 on Rubble Dr., northbound lane.	2.0	(1/2") GR SX(75) PG 64-22	152.5	142.1	93	92 / 96	SP	MS	
84	11/06/2025	Bottom Lift, Drive Lane: STA 16 + 00 on Black Forest Rd., deceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	145.8	95	92 / 96	SP	MS	
85	11/06/2025	Bottom Lift, Drive Lane: STA 14 + 00 on Black Forest Rd., deceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	143.8	94	92 / 96	SP	MS	
86	11/06/2025	Bottom Lift, Drive Lane: STA 12 + 00 on Black Forest Rd., deceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	143.1	94	92 / 96	SP	MS	
87	11/06/2025	Bottom Lift, Drive Lane: STA 10 + 50 on Black Forest Rd., deceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	143.8	94	92 / 96	SP	MS	
88	11/06/2025	Bottom Lift, Drive Lane: STA 24 + 00 on Black Forest Rd., acceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	145.3	95	92 / 96	SP	MS	
89	11/06/2025	Bottom Lift, Drive Lane: STA 22 + 00 on Black Forest Rd., acceleration lane.	4.0	(1/2") GR SX(75) PG 64-22	152.7	145.0	95	92 / 96	SP	MS	
90	11/07/2025	Top Lift, Drive Lane: STA 16 + 00 on Black Forest Rd., deceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	140.9	92	92 / 96	SP	MS	



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Flying Horse North F4
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Colorado Springs, CO

Test #	Test Date	Test Location	Lift Thickness (inches)	Mix Design	Max Density (pcf)	In Place Density (pcf)	Percent Comp.	Min/Max Comp. (%)	Rem. Code	Field Tech	Retest Of
91	11/07/2025	Top Lift, Drive Lane: STA 14 + 00 on Black Forest Rd., deceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	144.3	94	92 / 96	SP	MS	
92	11/07/2025	Top Lift, Drive Lane: STA 12 + 00 on Black Forest Rd., deceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	141.8	93	92 / 96	SP	MS	
93	11/07/2025	Top Lift, Drive Lane: STA 10 + 50 on Black Forest Rd., deceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	141.9	93	92 / 96	SP	MS	
94	11/07/2025	Top Lift, Drive Lane: STA 20 + 50 on Black Forest Rd., acceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	144.6	95	92 / 96	SP	MS	
95	11/07/2025	Top Lift, Drive Lane: STA 22 + 00 on Black Forest Rd., acceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	142.1	93	92 / 96	SP	MS	
96	11/07/2025	Top Lift, Drive Lane: STA 24 + 00 on Black Forest Rd., acceleration lane.	2.0	(1/2") GR SX(75) PG 64-22	152.7	142.0	93	92 / 96	SP	MS	

Remarks

SP : Supplied Density Pass

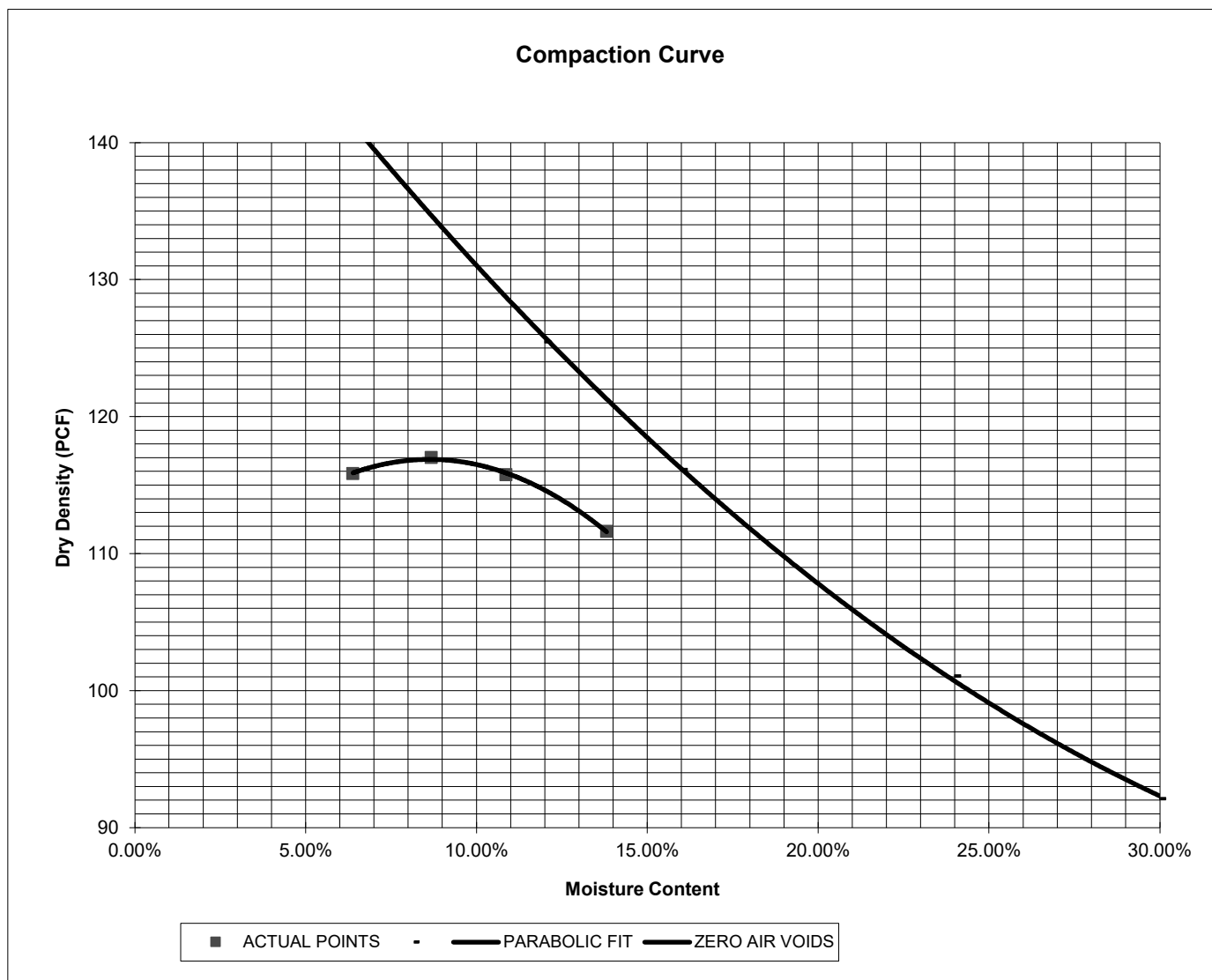
Comments

Tests are determined using backscatter method.

Appendix A: Proctor Laboratory Data

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	POND C	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, SILTY, BROWN	<u>DATE</u>	03/11/25

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	1
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	117.1	<u>OPTIMUM MOISTURE</u>	8.7%



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MOISTURE DENSITY RELATION

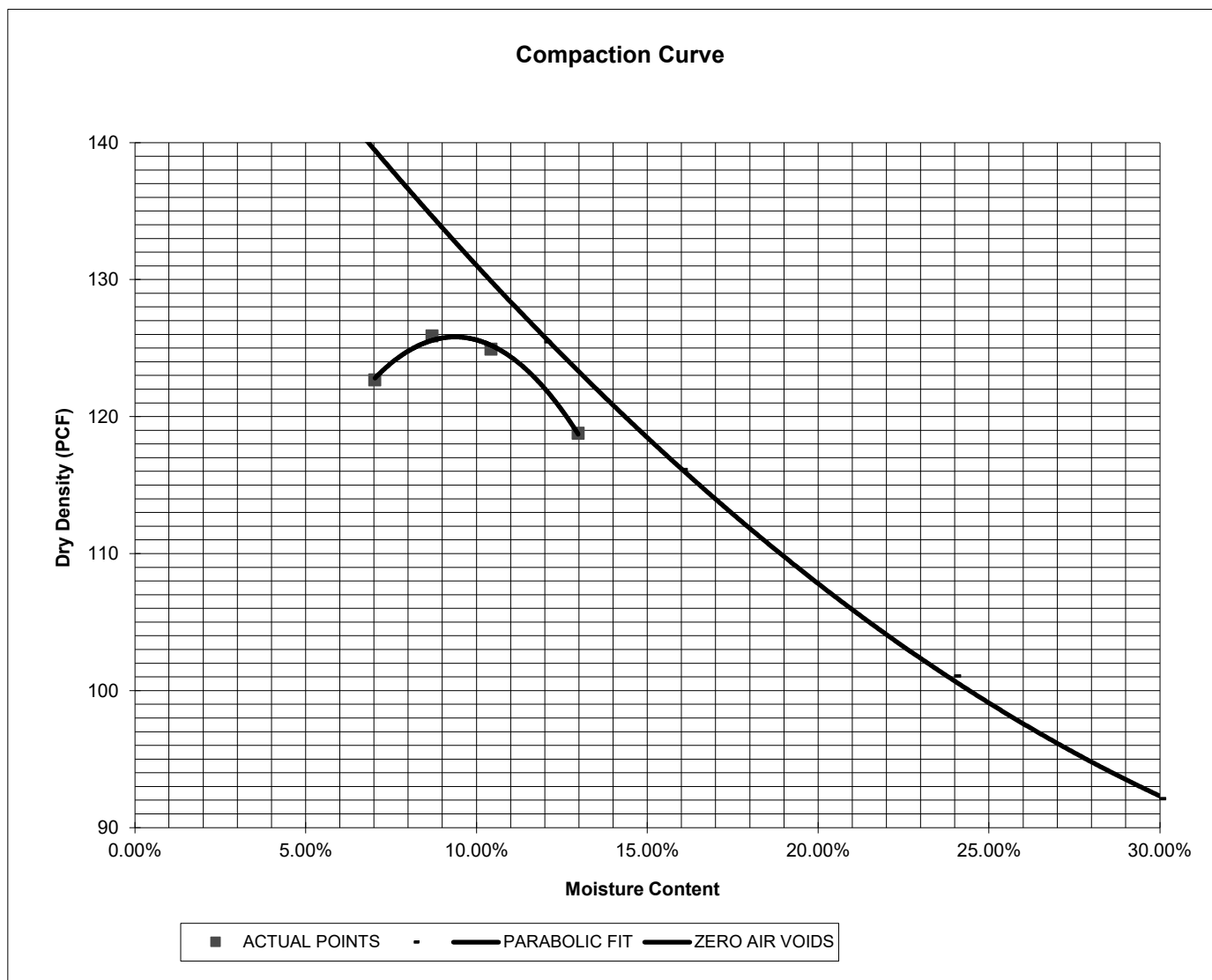
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P1

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	SOUTH POND C	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, SILTY, BROWN	<u>DATE</u>	03/14/25

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	2
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	126	<u>OPTIMUM MOISTURE</u>	9.4%



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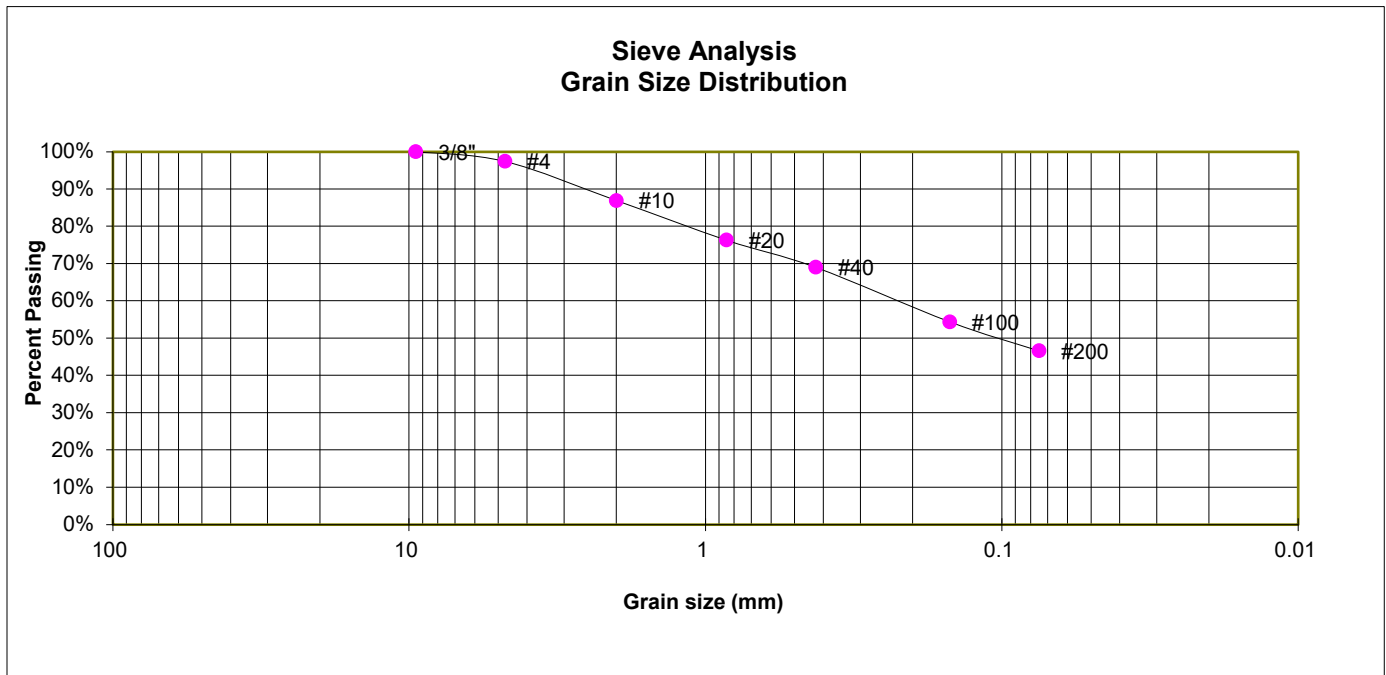
MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P2

<u>LOCATION</u>	SOUTH POND C	<u>SOIL DESCRIPTION</u>	SAND, SILTY, BROWN
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<u>U.S. Sieve #</u>	<u>Percent Finer</u>
3"	
1 1/2"	
3/4"	
1/2"	
3/8"	100.0%
4	97.4%
10	86.9%
20	76.3%
40	69.0%
100	54.4%
200	46.6%

<u>Atterberg Limits</u>	
Plastic Limit	20
Liquid Limit	24
Plastic Index	4



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LABORATORY TEST RESULTS

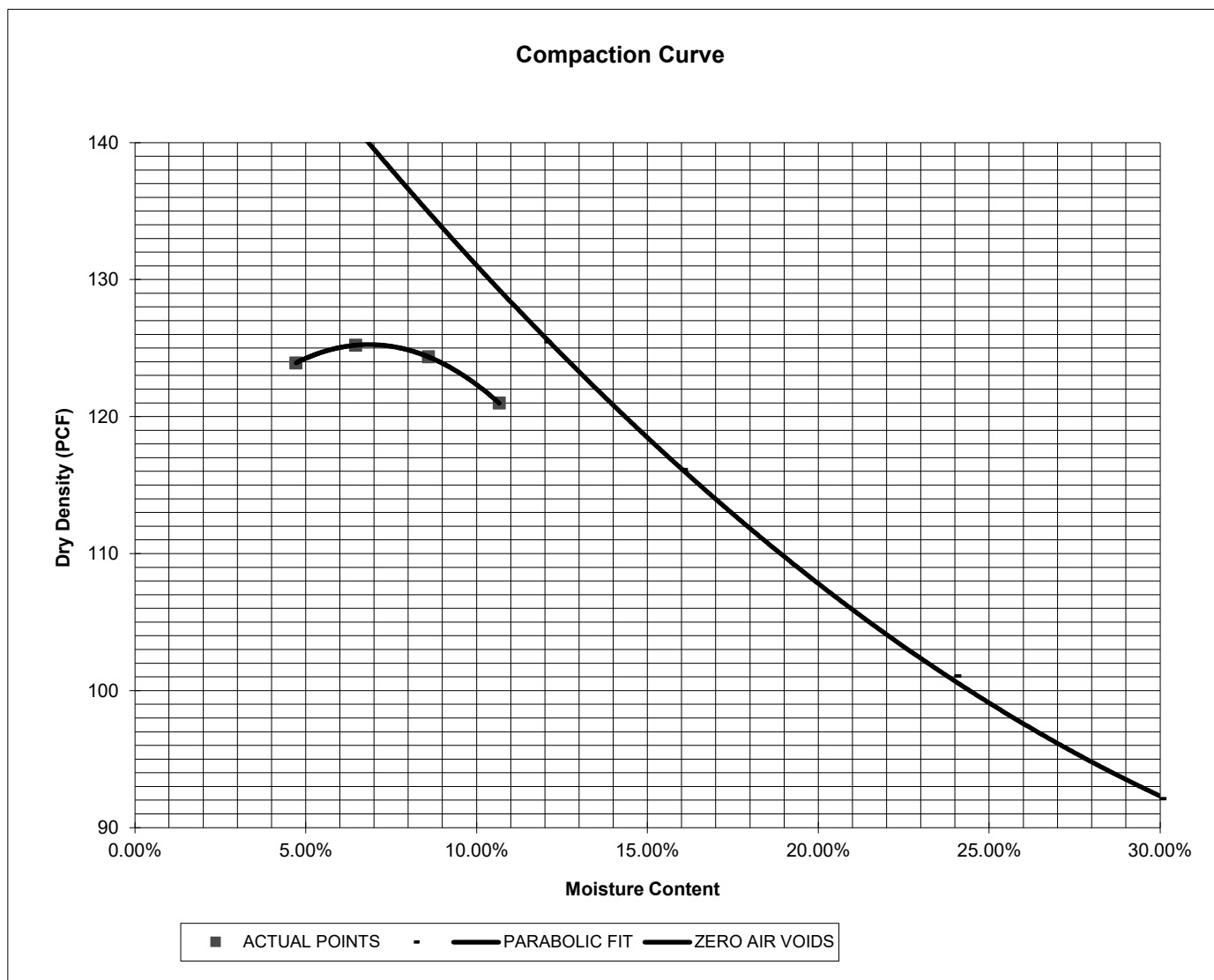
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P2

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	RUBBLE DRIVE, STA 50+00	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, SILTY, TAN	<u>DATE</u>	03/26/25

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	3
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	125.5	<u>OPTIMUM MOISTURE</u>	6.8%



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MOISTURE DENSITY RELATION

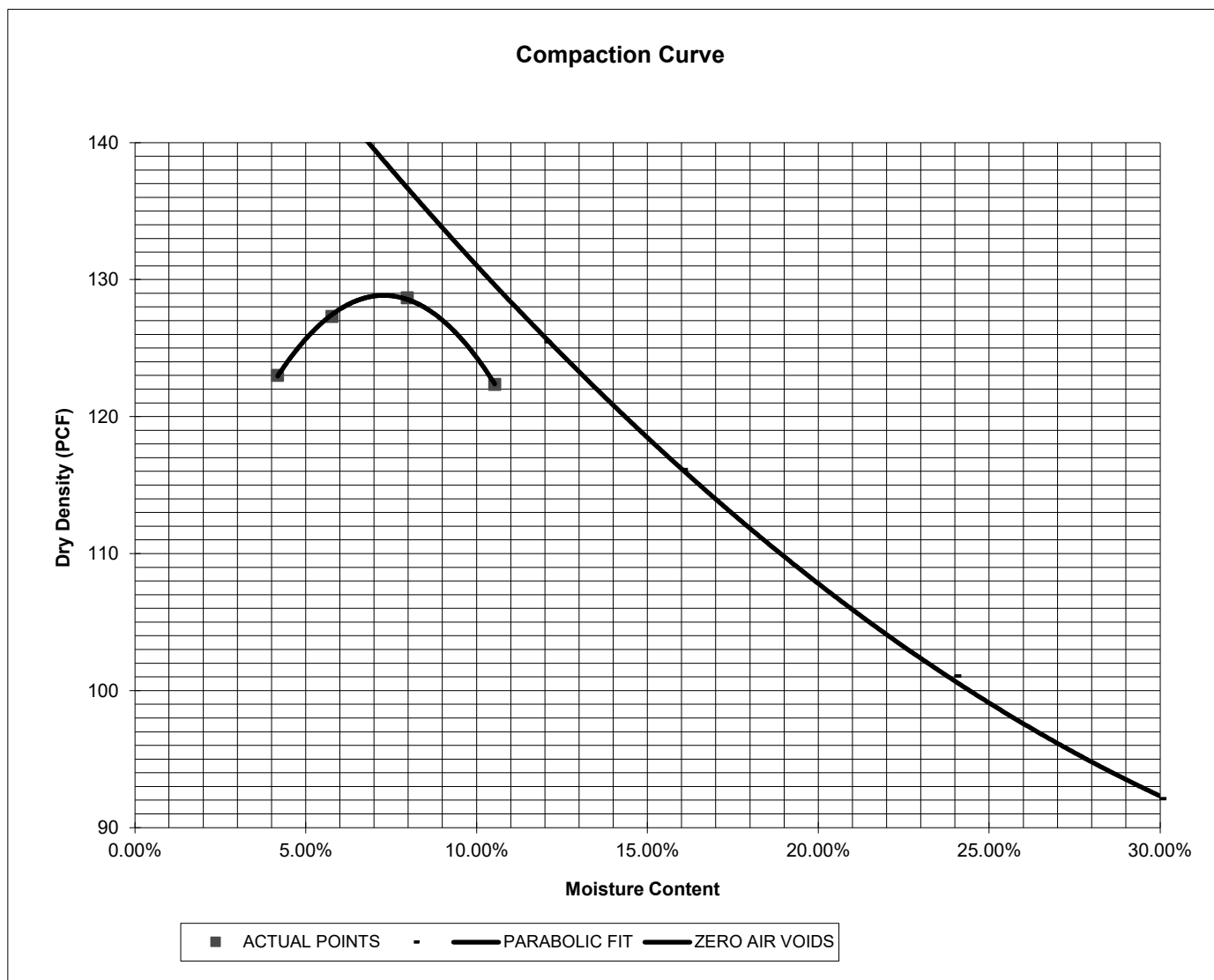
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P3

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	POND C, SOUTH SIDE	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, CLAYEY, BROWN	<u>DATE</u>	03/28/25

<u>IDENTIFICATION</u>	SC	<u>PROCTOR TEST #</u>	4
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	129.1	<u>OPTIMUM MOISTURE</u>	7.3%



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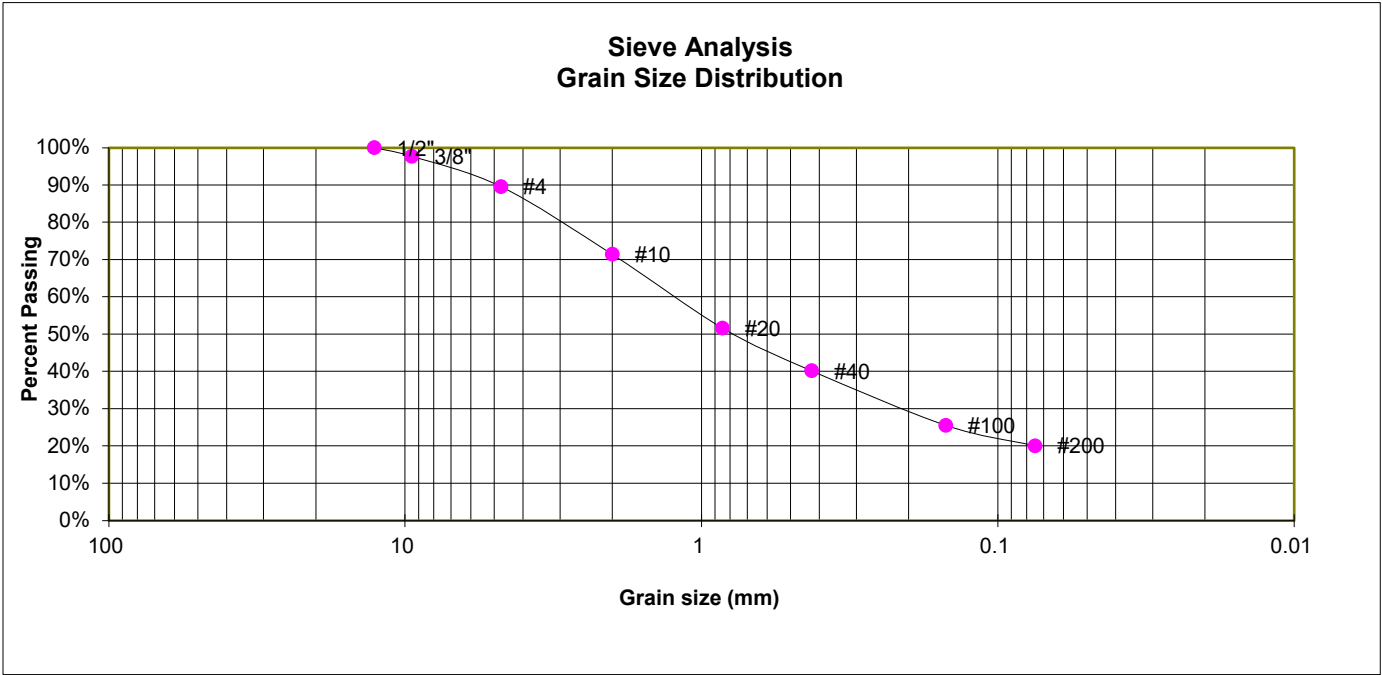
MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P4

<u>LOCATION</u>	POND C, SOUTH SIDE	<u>SOIL DESCRIPTION</u>	SAND, CLAYEY, BROWN
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<u>U.S. Sieve #</u>	<u>Percent Finer</u>	<u>Atterberg Limits</u>	
3"		Plastic Limit	20
1 1/2"		Liquid Limit	27
3/4"		Plastic Index	7
1/2"	100.0%		
3/8"	97.7%		
4	89.6%		
10	71.4%		
20	51.6%		
40	40.2%		
100	25.5%		
200	20.1%		



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LABORATORY TEST RESULTS

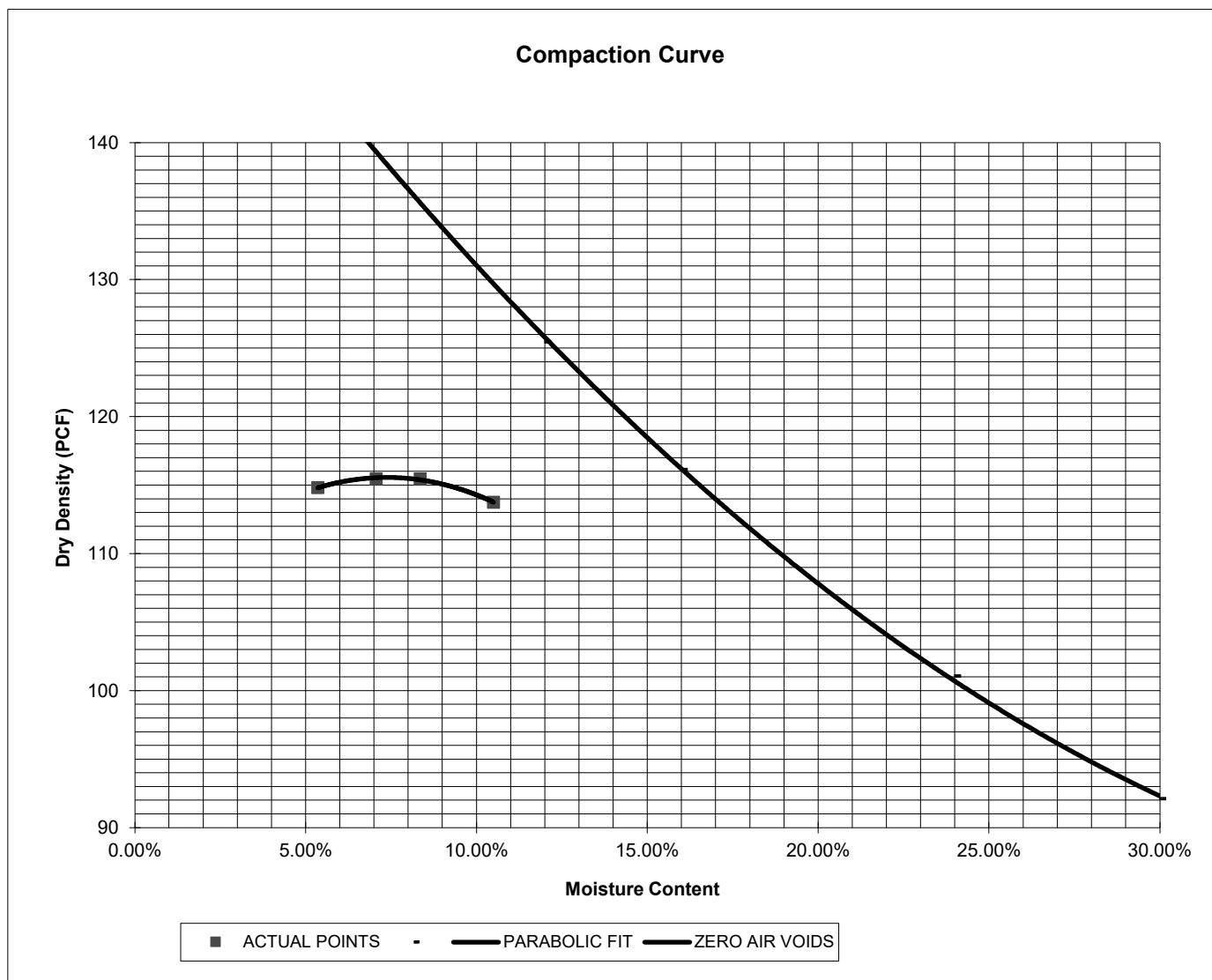
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P4

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	TERRACE	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, CLAYEYE-SILTY, BROWN	<u>DATE</u>	04/15/25

<u>IDENTIFICATION</u>	SC-SM	<u>PROCTOR TEST #</u>	5
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	115.7	<u>OPTIMUM MOISTURE</u>	7.4%



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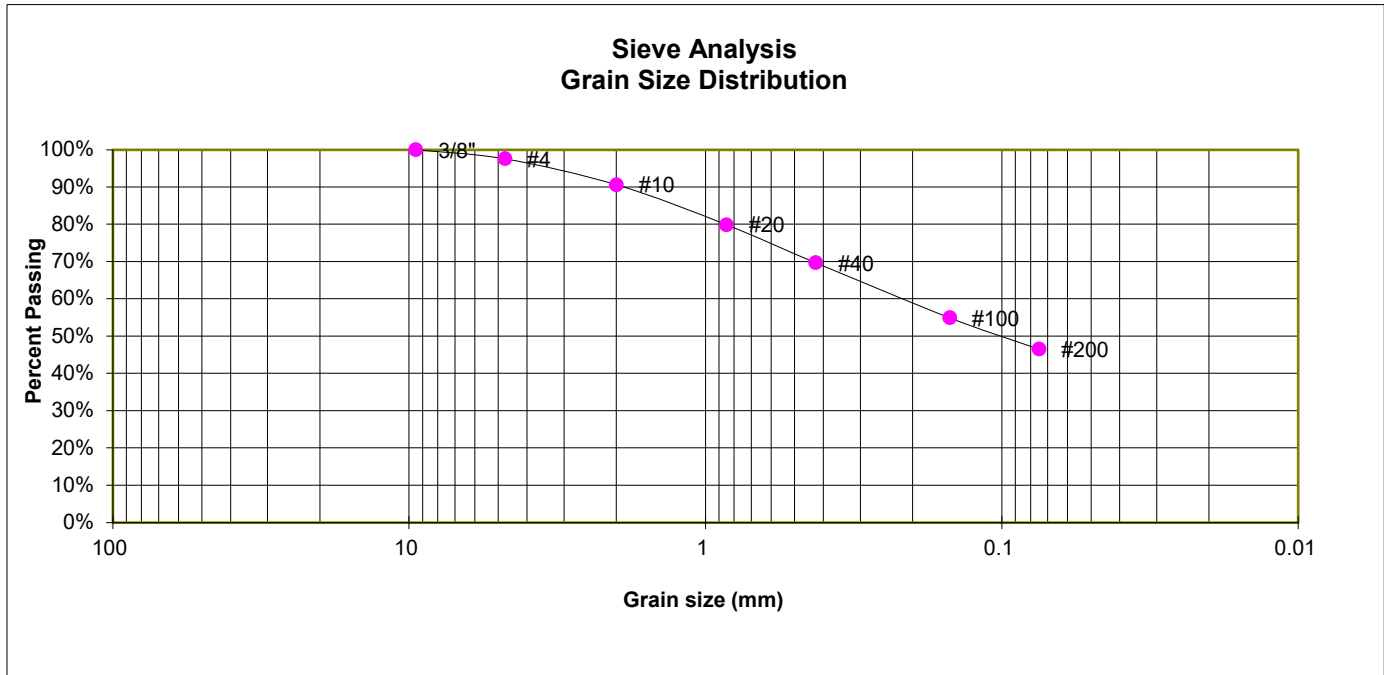
MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P5

<u>LOCATION</u>	TERRACE	<u>SOIL DESCRIPTION</u>	SAND, CLAYEYE-SILTY, BROWN
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<u>U.S. Sieve #</u>	<u>Percent Finer</u>
3"	
1 1/2"	
3/4"	
1/2"	
3/8"	100.0%
4	97.6%
10	90.6%
20	79.9%
40	69.7%
100	54.9%
200	46.5%

<u>Atterberg Limits</u>	
Plastic Limit	19
Liquid Limit	26
Plastic Index	7

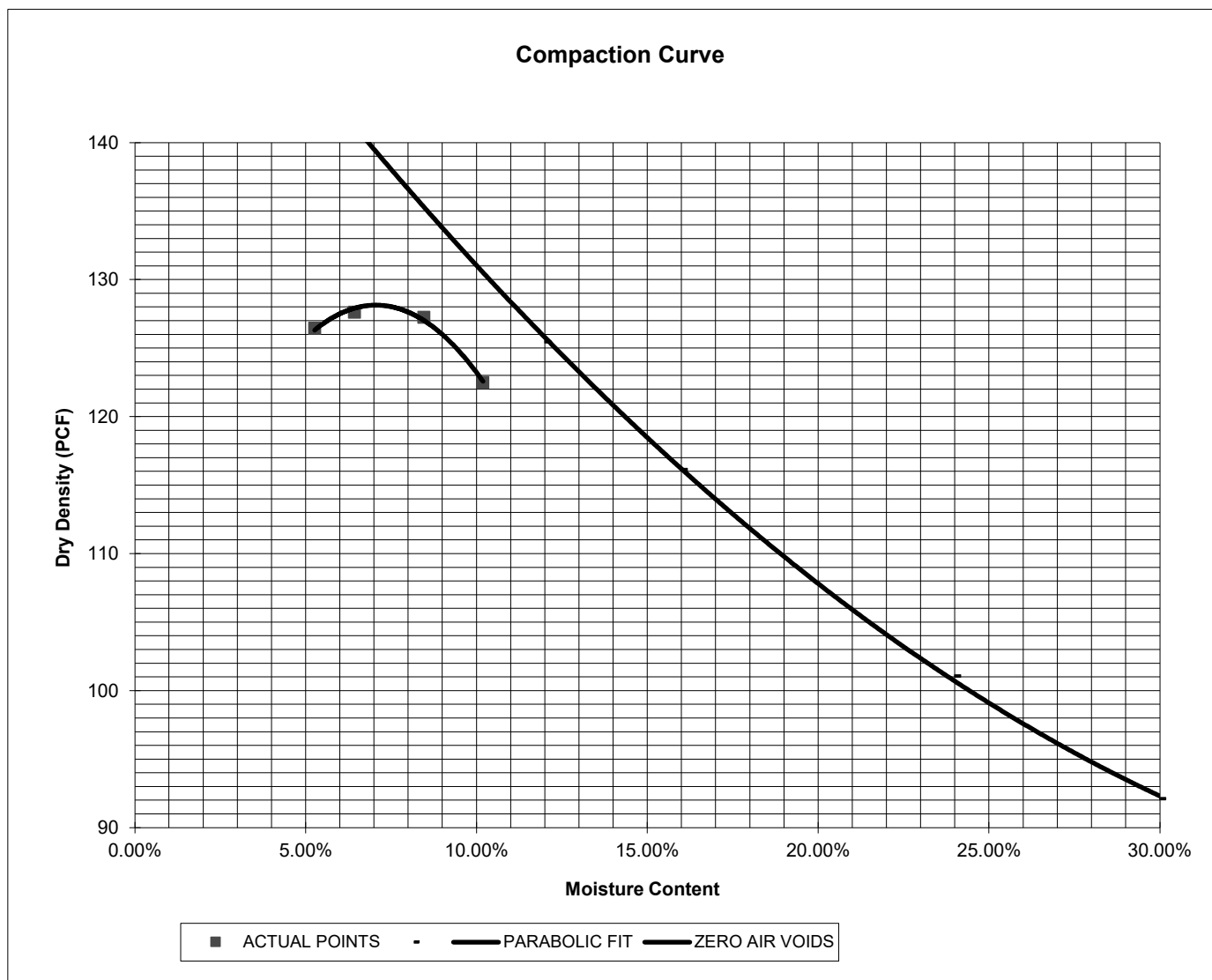


LABORATORY TEST RESULTS
 FLYING HORSE NORTH, FILING NO. 4
 FLYING HORSE DEVELOPMENT

JOB NO.
 241144
P5

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	RUBBLE DRIVE, STA 50+00	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, SILTY, TAN	<u>DATE</u>	06/19/25

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	7
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	PH
<u>MAXIMUM DRY DENSITY (PCF)</u>	128.4	<u>OPTIMUM MOISTURE</u>	7.1%



ENTECH
ENGINEERING, INC.

MOISTURE DENSITY RELATION

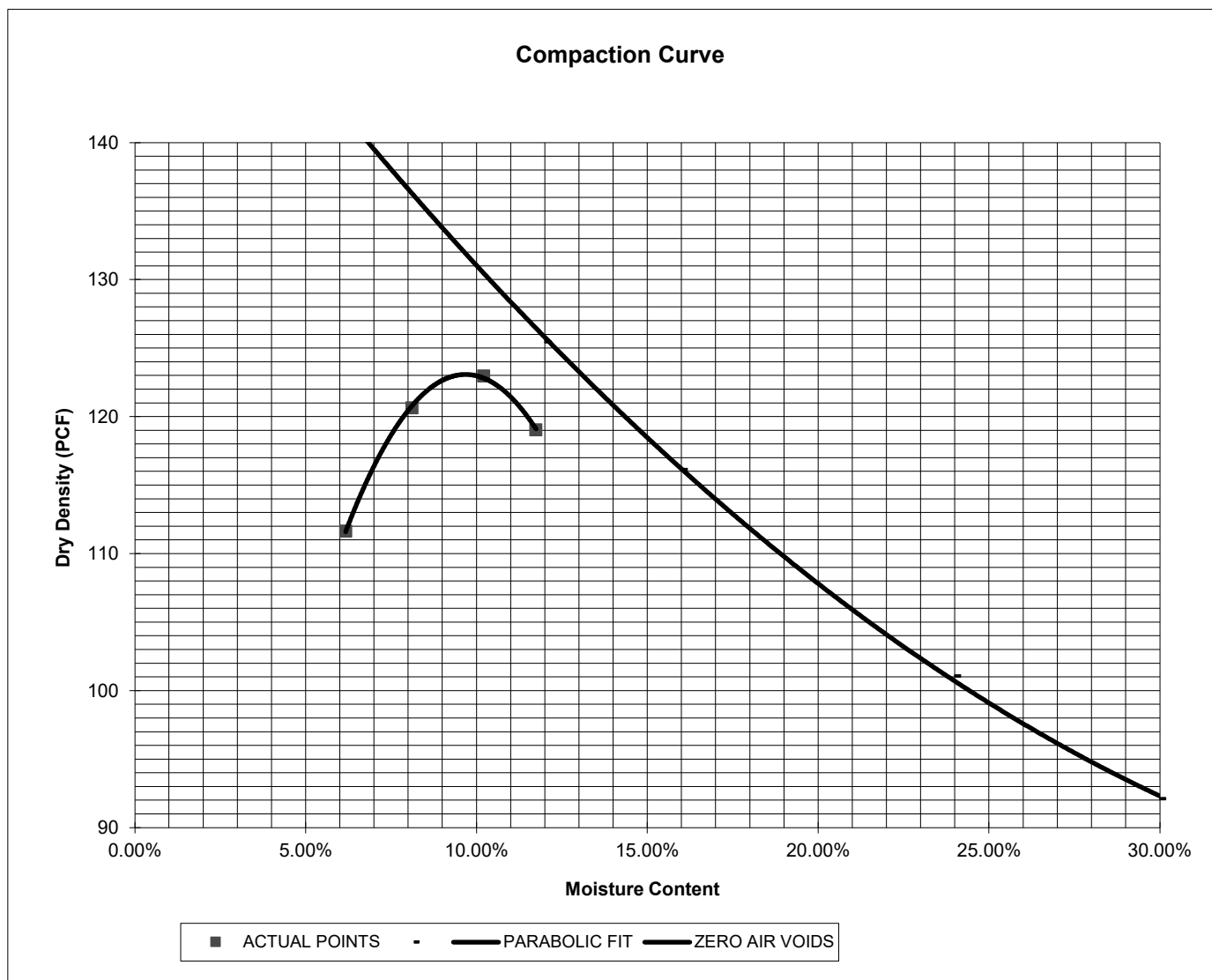
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P7

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	RUBBLE DRIVE, LOT 23	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SAND, CLAYEY, BROWN	<u>DATE</u>	06/20/25

<u>IDENTIFICATION</u>	SC	<u>PROCTOR TEST #</u>	8
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	DK
<u>MAXIMUM DRY DENSITY (PCF)</u>	123.4	<u>OPTIMUM MOISTURE</u>	9.1%



ENTECH
ENGINEERING, INC.

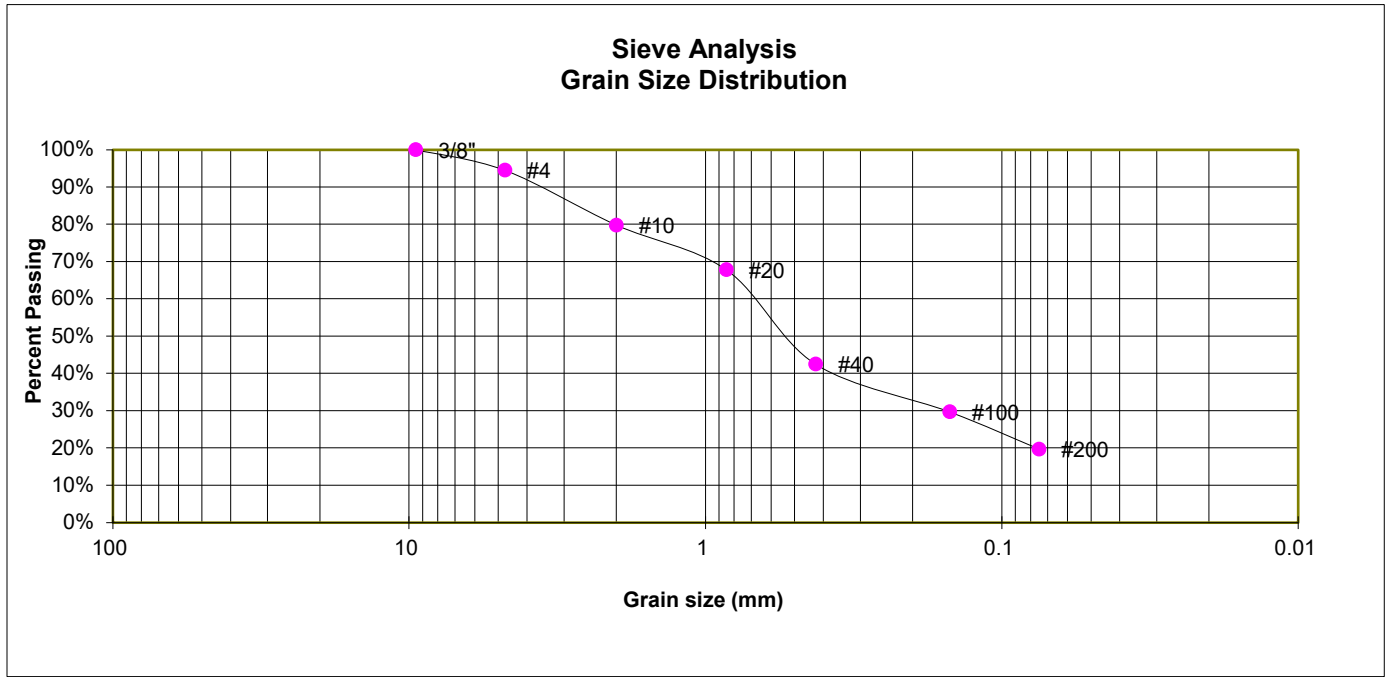
MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P8

<u>LOCATION</u>	RUBBLE DRIVE, LOT 23	<u>SOIL DESCRIPTION</u>	SAND, CLAYEY, BROWN
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<u>U.S. Sieve #</u>	<u>Percent Finer</u>	<u>Atterberg Limits</u>	
3"		Plastic Limit	19
1 1/2"		Liquid Limit	27
3/4"		Plastic Index	8
1/2"			
3/8"	100.0%		
4	94.5%		
10	79.8%		
20	67.8%		
40	42.5%		
100	29.7%		
200	19.7%		

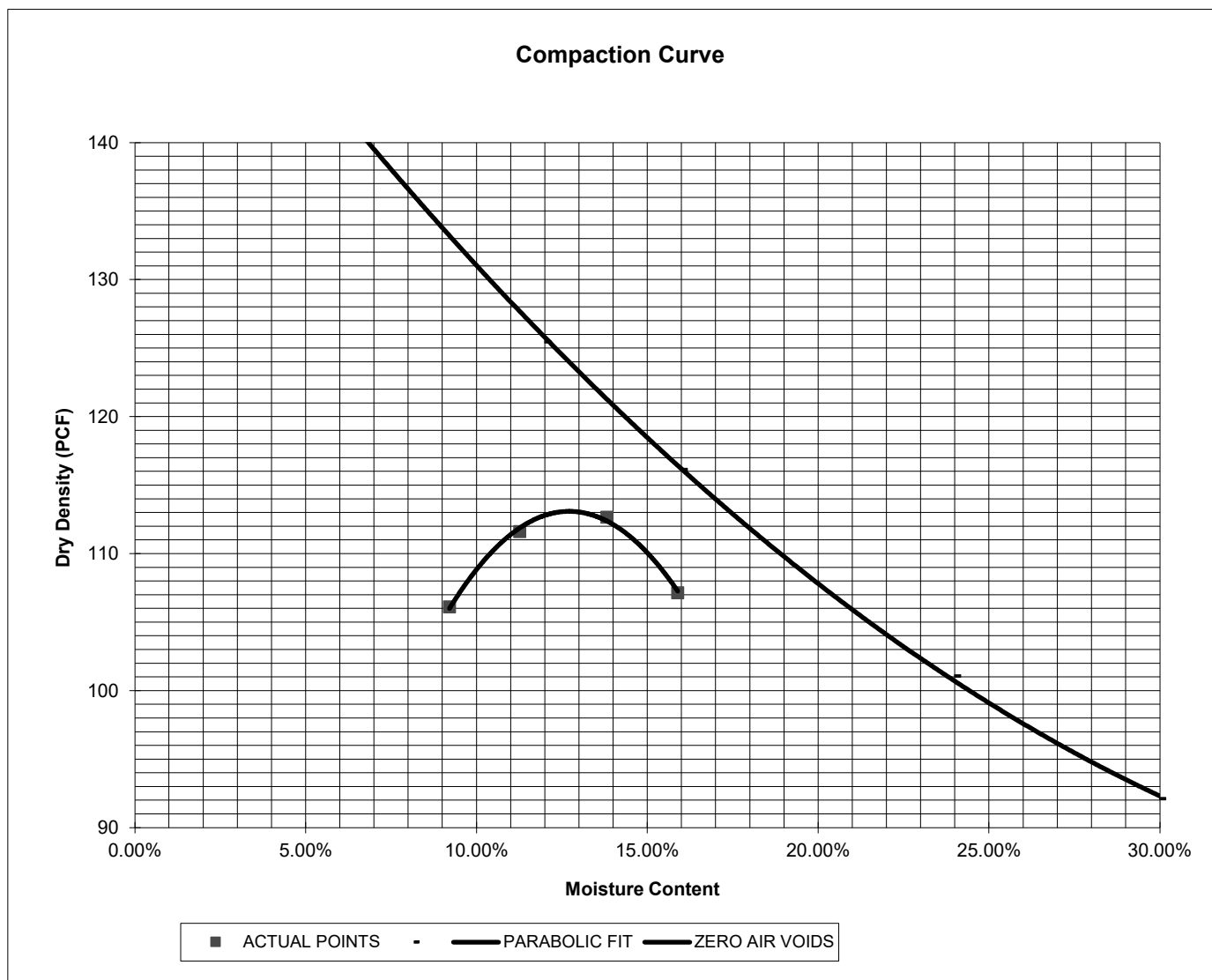


LABORATORY TEST RESULTS
 FLYING HORSE NORTH, FILING NO. 4
 FLYING HORSE DEVELOPMENT

JOB NO.
 241144
P8

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	GIMME WAY, LOT 30	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	CLAY, SANDY, BROWN	<u>DATE</u>	06/20/25

<u>IDENTIFICATION</u>	CL	<u>PROCTOR TEST #</u>	9
<u>TEST DESIGNATION / METHOD</u>	ASTM D-698-A	<u>TEST BY</u>	BL
<u>MAXIMUM DRY DENSITY (PCF)</u>	113.1	<u>OPTIMUM MOISTURE</u>	12.9%



ENTECH
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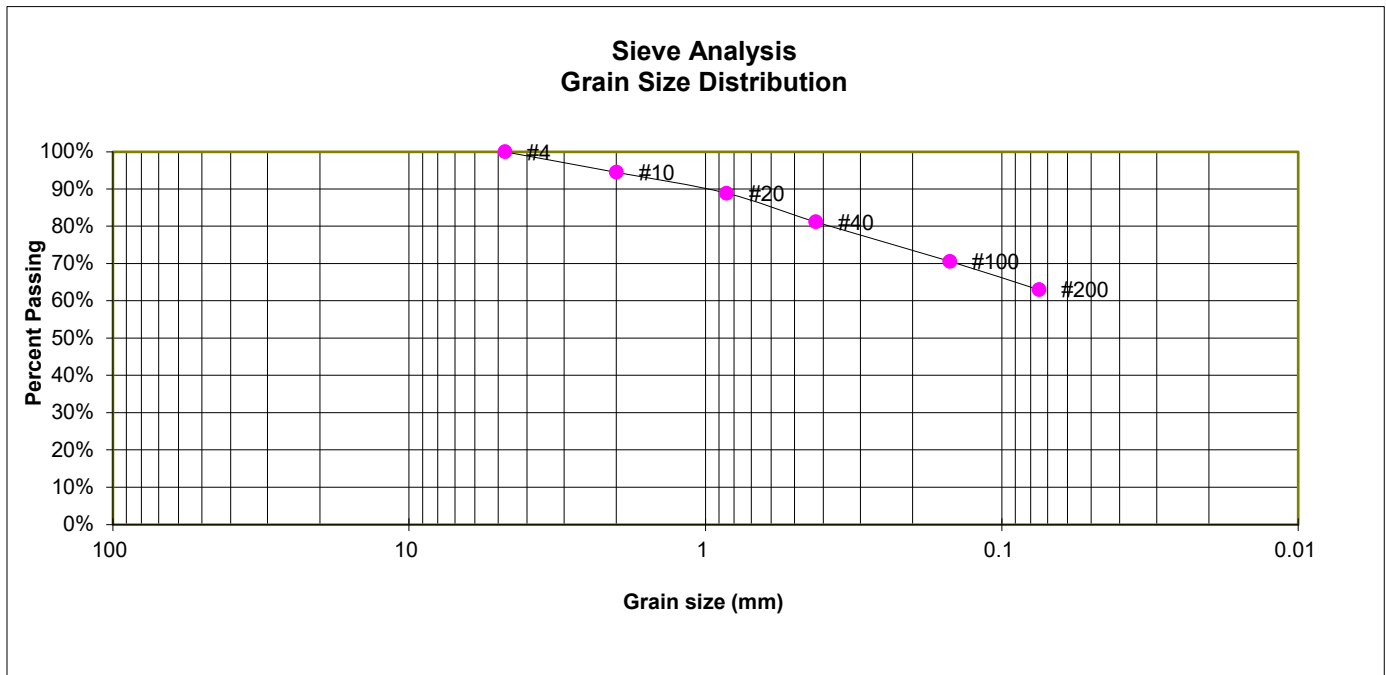
MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P9

<u>LOCATION</u>	GIMME WAY, LOT 30	<u>SOIL DESCRIPTION</u> #VALUE!
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**U.S.
Sieve #**

**Percent
Finer**

Atterberg Limits

Plastic Limit 23
Liquid Limit 33
Plastic Index 10

3"	
1 1/2"	
3/4"	
1/2"	
3/8"	
4	100.0%
10	94.5%
20	88.9%
40	81.2%
100	70.6%
200	63.0%



ENTECH
ENGINEERING, INC.

LABORATORY TEST RESULTS

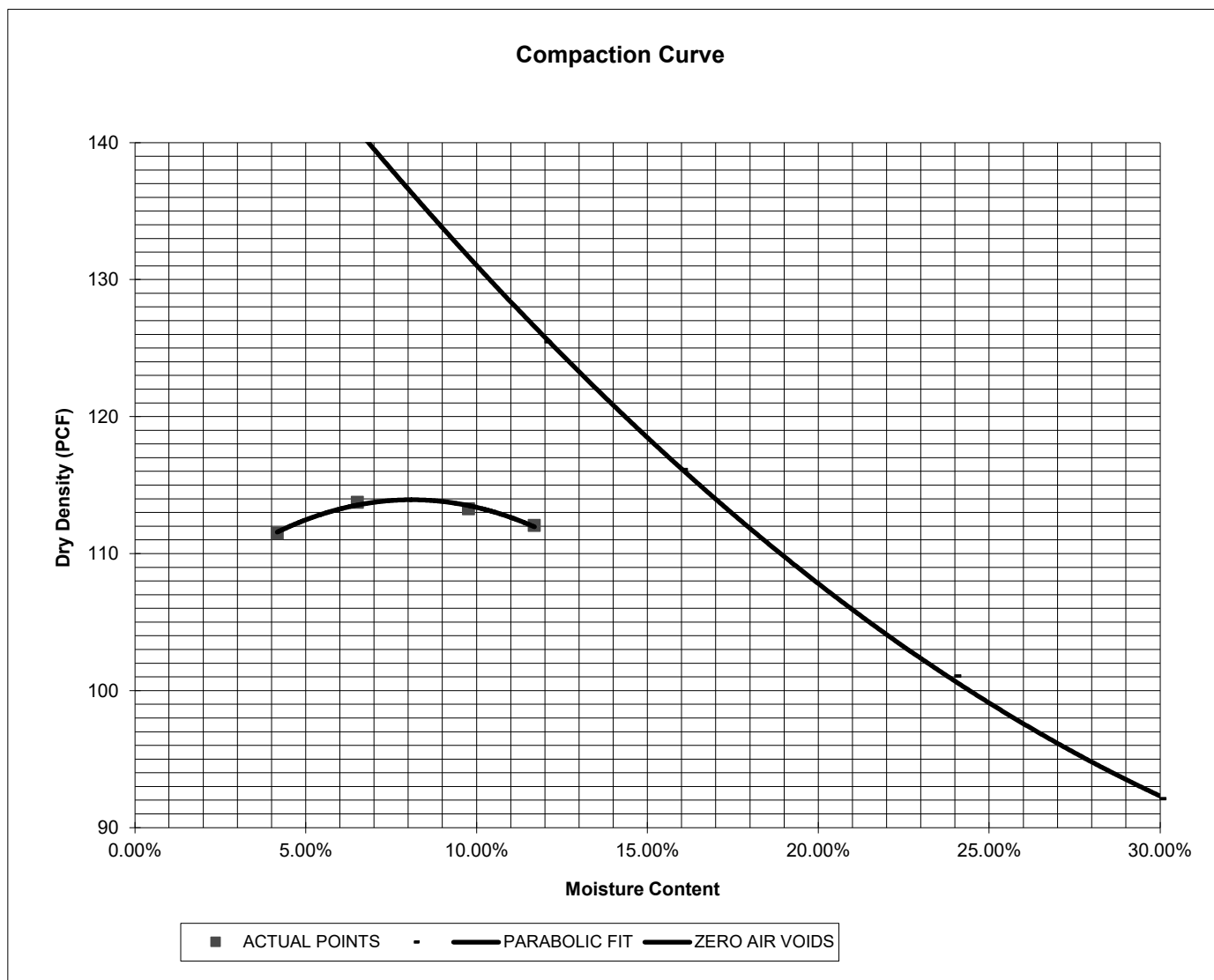
FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

JOB NO.
241144

P9

<u>PROJECT</u>	FLYING HORSE NORTH, FILING NO. 4	<u>CLIENT</u>	FLYING HORSE DEVELOPMENT
<u>SAMPLE LOCATION</u>	ON-SITE	<u>JOB NO.</u>	241144
<u>SOIL DESCRIPTION</u>	SILT, SANDY, LIGHT BROWN	<u>DATE</u>	07/15/25

<u>IDENTIFICATION</u>	ML	<u>PROCTOR TEST #</u>	10
<u>TEST DESIGNATION / METHOD</u>	ASTM D-698-A	<u>TEST BY</u>	CGM
<u>MAXIMUM DRY DENSITY (PCF)</u>	114.1	<u>OPTIMUM MOISTURE</u>	8.1%



ENTECH
ENGINEERING, INC.

MOISTURE DENSITY RELATION

FLYING HORSE NORTH, FILING NO. 4
FLYING HORSE DEVELOPMENT

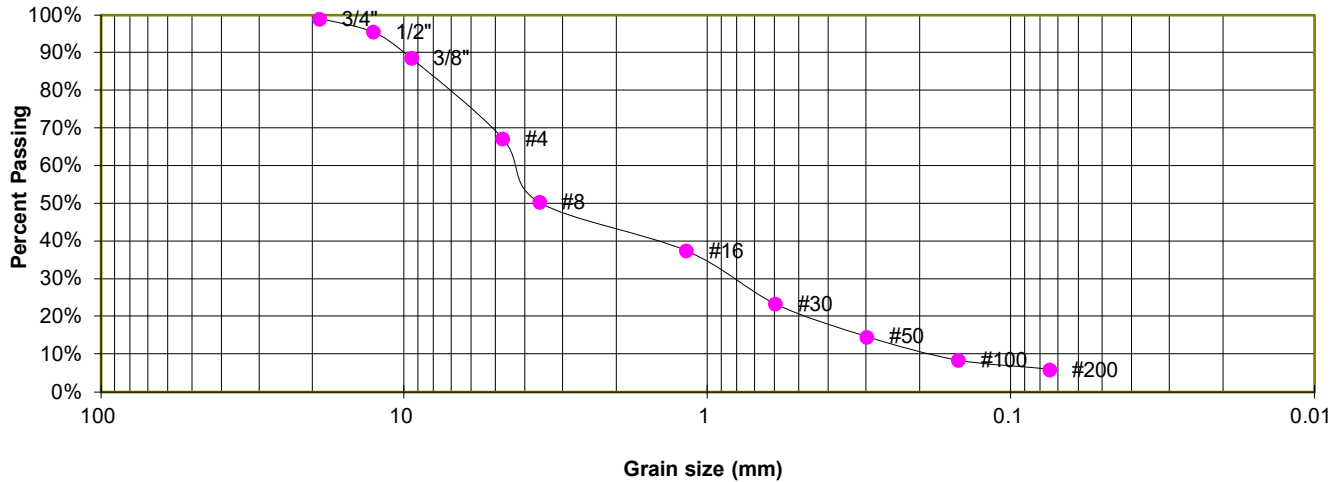
JOB NO.
241144

P10

Appendix B: Asphalt Laboratory Data

LOCATION	GIMME WAY, STA 12+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2	CLASS 5	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	99.1%	100			100	94-100	
1/2"	95.6%				94	88-100	
3/8"	88.7%				86	80-92	
4	67.3%	30-70			66	61-71	
8	50.4%	25-55			50	45-55	
16	37.5%				36		
30	23.4%				24	16-32	
50	14.7%				15		
100	8.5%				9		
200	6.0%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.05%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

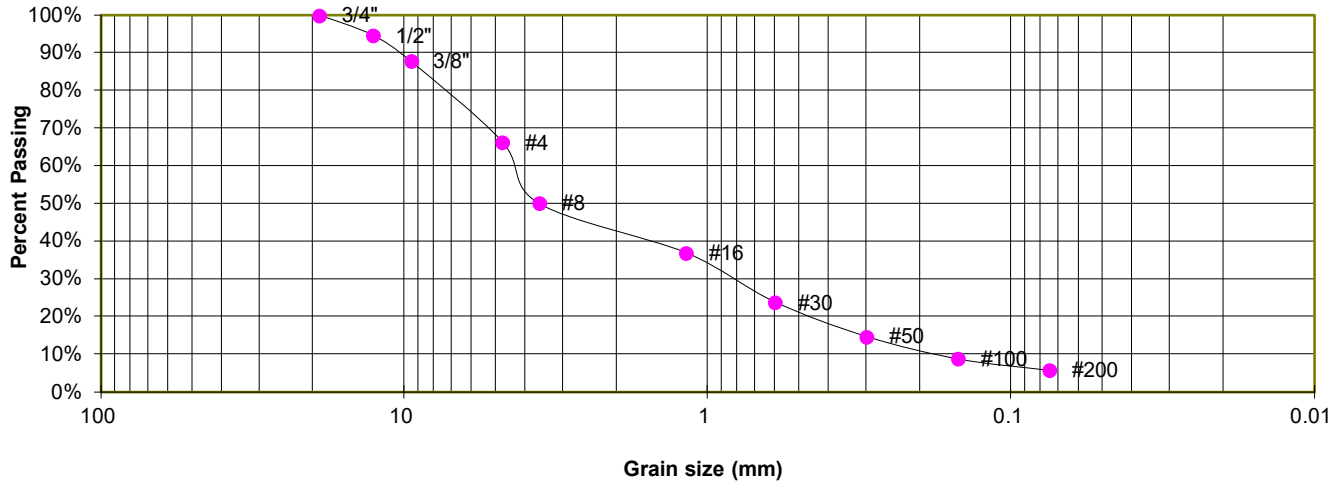
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 1

LOCATION	STABLEFORD., STA 12+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2	CLASS 5	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	100.0%	100			100	94-100	
1/2"	94.7%				94	88-100	
3/8"	87.8%				86	80-92	
4	66.3%	30-70			66	61-71	
8	50.1%	25-55			50	45-55	
16	36.9%				36		
30	23.8%				24	16-32	
50	14.7%				15		
100	8.8%				9		
200	5.7%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.01%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

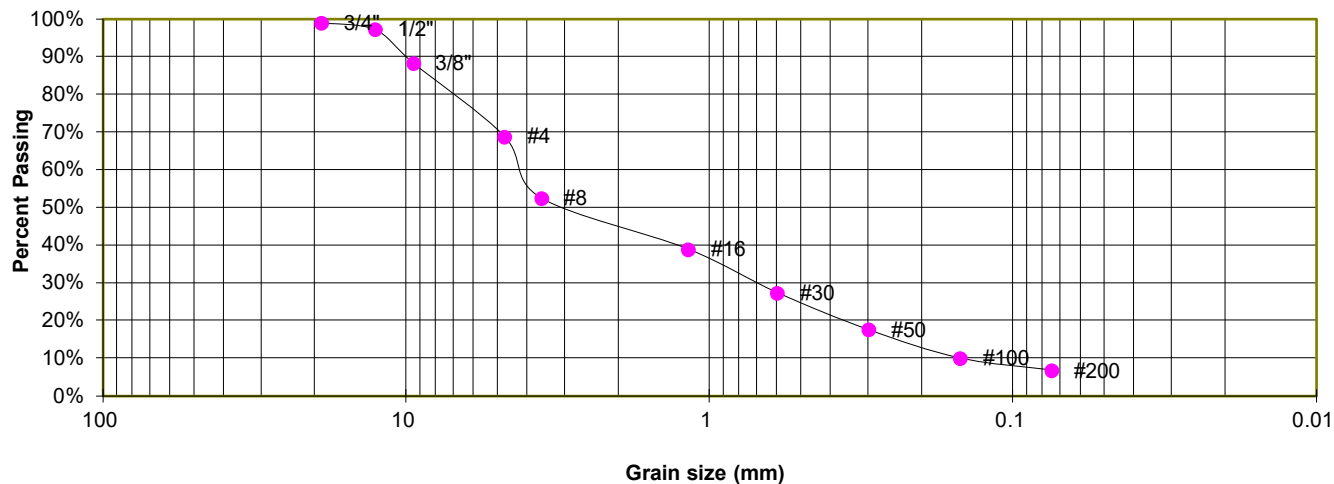
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 2

LOCATION	STABLEFORD TERRACE
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2 Base	CLASS 5 Aggregates	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	99.0%	100			100	94-100	
1/2"	97.3%				94	88-100	
3/8"	88.4%				86	80-92	
4	68.9%	30-70			66	61-71	
8	52.6%	25-55			50	45-55	
16	39.0%				36		
30	27.4%				24	16-32	
50	17.6%				15		
100	10.1%				9		
200	6.8%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.57%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

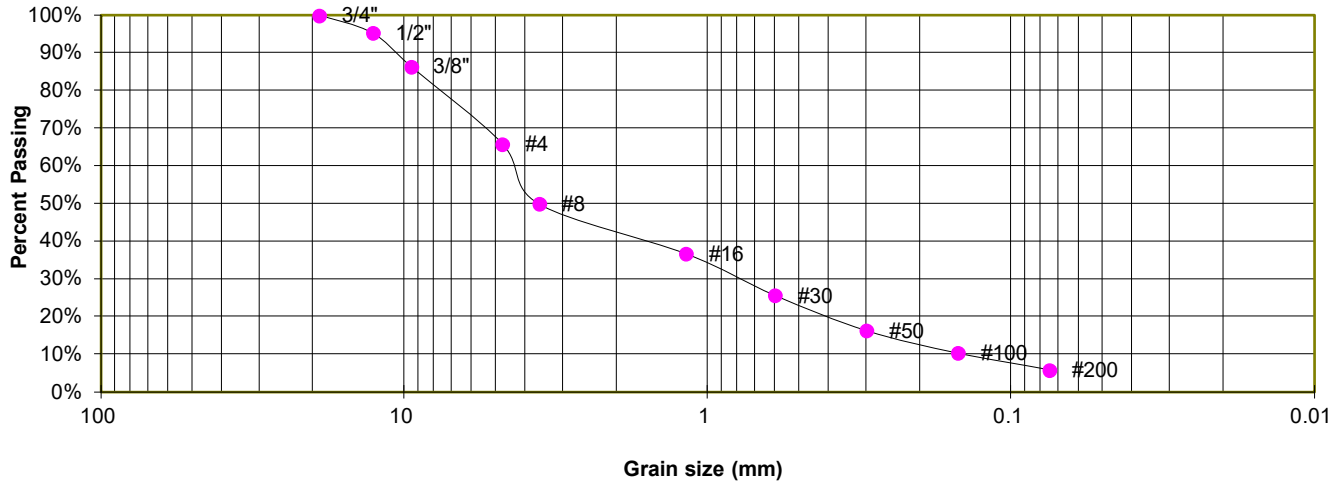
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 3

LOCATION	RUBBLE DRIVE, STA 32+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2	CLASS 5	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	100.0%	100			100	94-100	
1/2"	95.3%				94	88-100	
3/8"	86.4%				86	80-92	
4	65.8%	30-70			66	61-71	
8	49.9%	25-55			50	45-55	
16	36.7%				36		
30	25.6%				24	16-32	
50	16.3%				15		
100	10.3%				9		
200	5.9%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.17%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

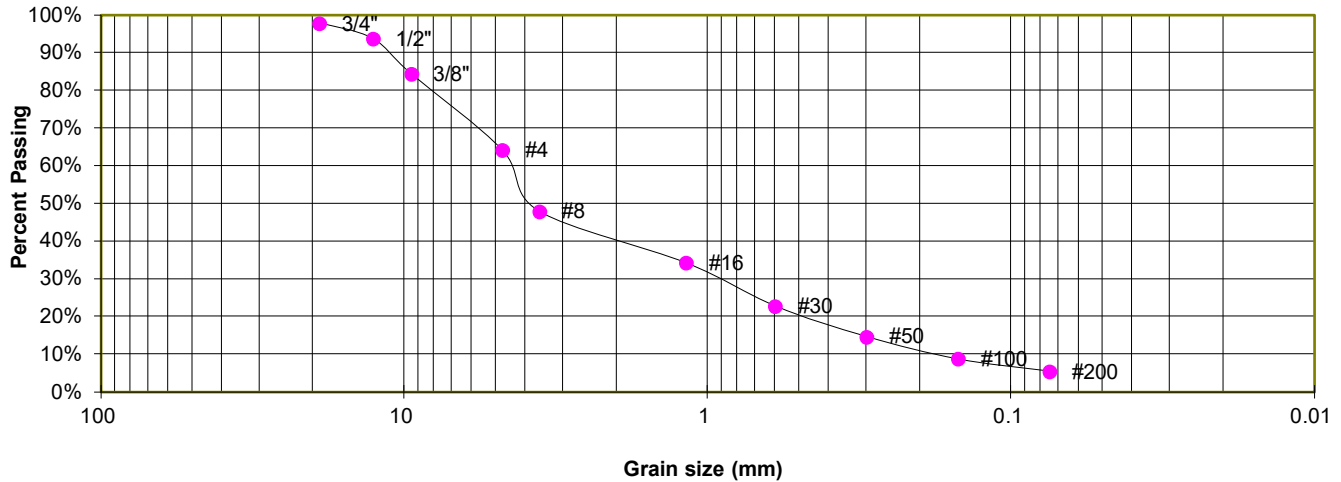
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 4

LOCATION	RUBBLE DRIVE., STA 50+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2	CLASS 5	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	97.9%	100			100	94-100	
1/2"	93.8%				94	88-100	
3/8"	84.5%				86	80-92	
4	64.2%	30-70			66	61-71	
8	48.0%	25-55			50	45-55	
16	34.3%				36		
30	22.8%				24	16-32	
50	14.7%				15		
100	8.8%				9		
200	5.5%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.43%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

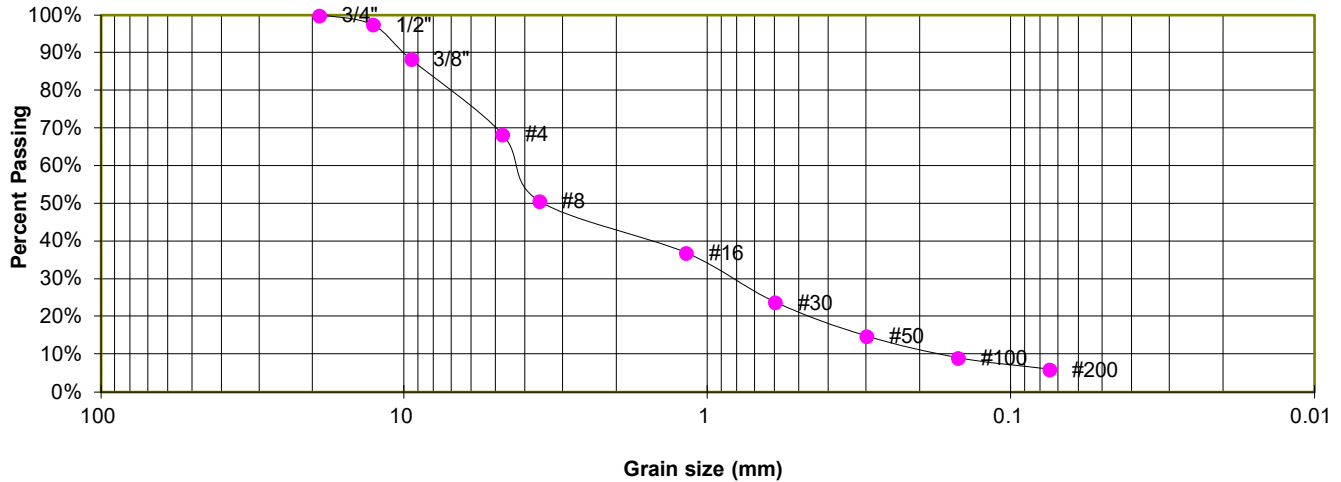
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 5

LOCATION	BLACK FOREST DECEL. LANE, STA 14+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2 Base	CLASS 5 Aggregates	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"		100			100		
1"		95-100			100	100	
3/4"	100.0%	100			100	94-100	
1/2"	97.5%				94	88-100	
3/8"	88.3%				86	80-92	
4	68.4%	30-70			66	61-71	
8	50.7%	25-55			50	45-55	
16	36.9%				36		
30	23.8%				24	16-32	
50	14.8%				15		
100	9.1%				9		
200	6.0%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	5.57%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

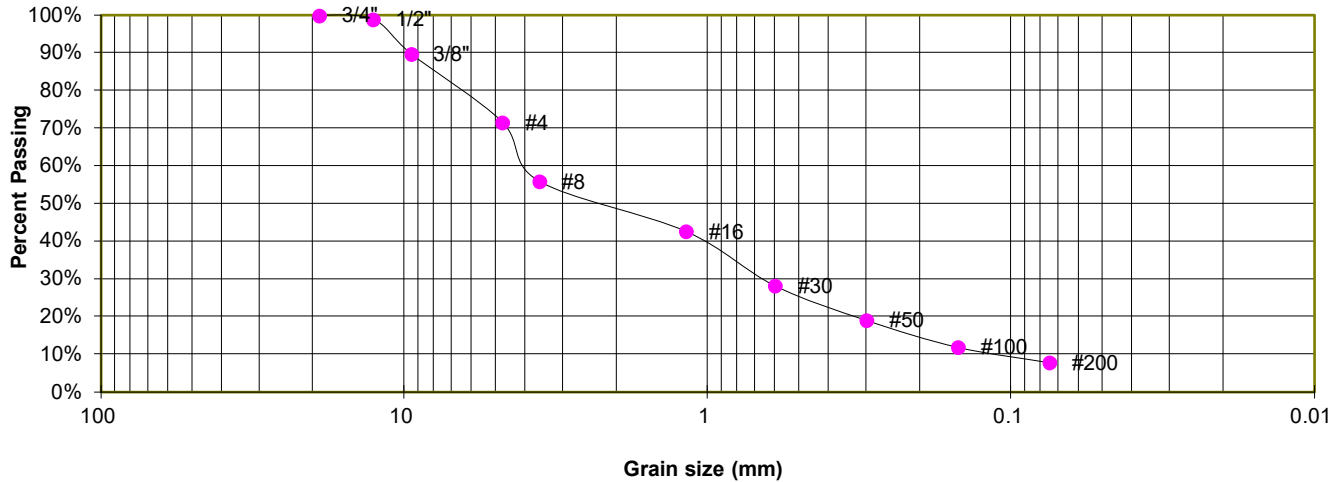
FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 6

LOCATION	BLACK FOREST DECEL. LANE, STA 15+00
MIX DESIGN	SHCMIDT: 2562

Sieve Analysis Grain Size Distribution



GRAIN SIZE ANALYSIS

U.S. Sieve #	Percent Finer	CLASS 2 Base	CLASS 5 Aggregates	CLASS 6	JMF	Control Limits Action Limit	Suspension Limit
3"		95-100					
1 1/2"			100		100		
1"			95-100		100	100	
3/4"	100.0%			100	100	94-100	
1/2"	99.0%				94	88-100	
3/8"	89.8%				86	80-92	
4	71.6%		30-70	30-65	66	61-71	
8	55.9%			25-55	50	45-55	
16	42.6%				36		
30	28.2%				24	16-32	
50	19.0%				15		
100	11.8%				9		
200	7.8%	3-15	3-15	3-12	5.9	3.9-7.9	
% Bitumen	4.95%				5.4	4.6-6.2	

SOIL CLASSIFICATION

USCS CLASSIFICATION: SP-SM



LABORATORY TEST RESULTS

FLYING HORSE NORTH, FILING NO. 4
CLASSIC

JOB NO.
241144

FIG. 7