



**ENTECH**  
ENGINEERING, INC.

505 ELKTON DRIVE  
COLORADO SPRINGS, CO 80907  
PHONE (719) 531-5599  
FAX (719) 531-5238

April 16, 2021

FLRD #5  
2138 Flying Horse Club Drive  
Colorado Springs, CO 80921

Attn: Jim Boulton

Re: Density Testing – Sidewalk Subgrade  
Forest Lakes Residential Development, Filing #5  
Colorado Springs, Colorado  
Report No. 3, Tests 29 – 41

Dear Mr. Boulton,

As requested, personnel of Entech Engineering, Inc. have performed density testing at the above referenced site.

Density testing on this site was performed on April 7 – 8, 2021. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

We trust that this has provided you with the information you require. Should you have any questions or need further information, please do not hesitate to contact us.

Respectfully Submitted,

ENTECH ENGINEERING, INC.

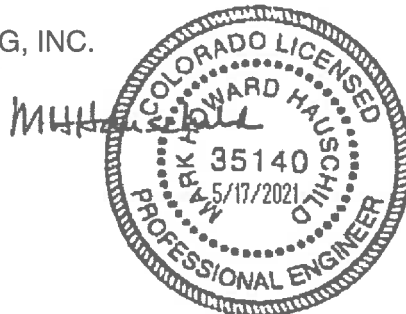
Mark H. Hauschild, P.E.  
Senior Engineer

MHH/bo

Enclosure

Entech Job No. 192273

F:\AA projects\2019\192273-FLRD #5-Forest Lakes Residential Development Filing #5-110-ConMat\192273\_6cl3stamp.doc



<b>Client:</b> FLRD #5	<b>Entech Job #:</b> 192273.6	<b>Proctor Value Key:</b> M = modified, ASTM D-1557
<b>Project:</b> Forest Lakes Residential Development, Filing 5	<b>Tested By:</b> S. Reardanz	S = standard, ASTM D-698
<b>Subject:</b> Sidewalk Subgrade	<b>Report Date:</b> 04-16-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
29	Sidewalk Subgrade, 175' east of intersection with Forest Lakes Drive, Mesa Top Drive, south side of road, at grade.	4/7/21	99	95	7.6	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
30	Sidewalk Subgrade, 100' east of intersection with Forest Lakes Drive, Mesa Top Drive, north side of road, at grade.	4/7/21	99	95	7.9	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
31	Sidewalk Subgrade, 425' east of intersection with Forest Lakes Drive, Mesa Top Drive, south side of road, at grade.	4/7/21	100	95	8.1	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
32	Sidewalk Subgrade, 350' east of intersection with Forest Lakes Drive, Mesa Top Drive, north side of road, at grade.	4/7/21	99	95	7.7	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
33	Sidewalk Subgrade, 20' east of property line for Lots 23 & 24, Forest Lakes Drive, at grade.	4/8/21	99	95	8.0	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
34	Sidewalk Subgrade, 25' east of property line for Lots 16 & 17, Forest Lakes Drive, at grade.	4/8/21	100	95	8.0	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
35	Sidewalk Subgrade, 10' east of property line for Lots 10 & 11, Forest Lakes Drive, at grade.	4/8/21	98	95	9.0	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
36	Sidewalk Subgrade, 300' southwest of 4006 Mesa Top Drive, Mesa Top Drive, south side of road, at grade.	4/8/21	99	95	8.6	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
37	Sidewalk Subgrade, 350' southwest of 4006 Mesa Top Drive, Mesa Top Drive, north side of road, at grade.	4/8/21	98	95	8.2	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
38	Sidewalk Subgrade, 10' west of property line for Lots 6 & 7, Forest Lakes Drive, south side of road, at grade.	4/8/21	99	95	8.5	SM	M - 130.4 @ 8.1	<input type="checkbox"/>

**Comments:**

Scope of Observation: PERIODIC; CONTRACTOR'S OR CLIENT'S REPRESENTATIVE ADVISED

All dimensions are approximate. Cl. = Centerline



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FIELD DENSITY RESULTS

*Mark H. Haasehill, P.E.*

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
39	Sidewalk Subgrade, property line for Lots 31 & 32, Forest Lakes Drive, north side of road, at grade.	4/8/21	99	95	7.9	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
40	Sidewalk Subgrade, property line for Lots 2 & 3, Forest Lakes Drive, south side of road, at grade.	4/8/21	100	95	8.8	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
41	Sidewalk Subgrade, 20' east of property line for Lots 1 & 2, Forest Lakes Drive, south side of road, at grade.	4/8/21	99	95	7.5	SM	M - 130.4 @ 8.1	<input type="checkbox"/>

**Comments:**

Scope of Observation: PERIODIC; CONTRACTOR'S OR CLIENT'S REPRESENTATIVE ADVISED

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