



ENTECH
ENGINEERING, INC.

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

September 21, 2020

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

Attn: Jim Boulton

Re: Density Testing – Curb and Gutter Subgrade
Forest Lakes Residential Development, Filing #5
Colorado Springs, Colorado
Report No. 1, Tests 1 – 15

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 September 10 – 17, 2020. 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.

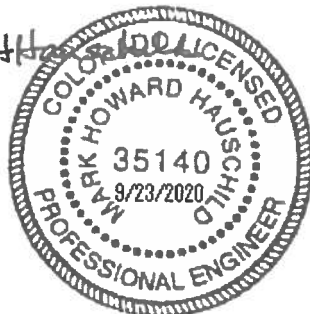
Respectfully Submitted,

ENTECH ENGINEERING, INC.

MHH
Mark H. Hauschild, P.E.
Senior Engineer

MHH/bo

Enclosure



Entech Job No. 192273

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Client: FLRD #5	Entech Job #: 192273.6	Proctor Value Key: M = modified, ASTM D-1557
Project: Forest Lakes Residential Development, Filing 5	Tested By: S. Reardanz	S = standard, ASTM D-698
Subject: Curb and Gutter Subgrade	Report Date: 09-18-2020	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	Curb and gutter, property line for Lots 12 + 13, Forest Lakes Drive, eastbound, at grade.	9/10/20	96	95	8.9	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
2	Curb and gutter, 10' east of property line for Lots 26 + 27, Forest Lakes Drive, westbound, at grade.	9/10/20	98	95	8.5	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
3	Curb and gutter, property line for Lots 15 + 16, Forest Lakes Drive, eastbound, at grade.	9/10/20	98	95	9.3	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
4	Curb and gutter, 20' west of property line for Lots 24 + 25, Forest Lakes Drive, westbound, at grade.	9/10/20	97	95	7.9	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
5	Curb and gutter, 30' southwest of Forest Lakes Drive & Mesa Top Road intersection, Lot 19, northeastbound, at grade.	9/10/20	97	95	8.4	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
6	Curb and gutter, 300' east of east property boundary for Lot 22, Mesa Top Road, southwestbound, at grade.	9/11/20	97	95	9.0	SM	M - 127.9 @ 9.2	<input type="checkbox"/>
7	Curb and gutter, 550' east of east property boundary for Lot 22, Mesa Top Road, northeastbound, at grade.	9/11/20	97	95	8.5	SM	M - 127.9 @ 9.2	<input type="checkbox"/>
8	Curb and gutter, 900' east of east property boundary for Lot 22, Mesa Top Road, southwestbound, at grade.	9/11/20	97	95	8.9	SM	M - 127.9 @ 9.2	<input type="checkbox"/>
9	Curb and gutter, 1250' east of east property boundary for Lot 22, Mesa Top Road, northeastbound, at grade.	9/11/20	98	95	9.1	SM	M - 127.9 @ 9.2	<input type="checkbox"/>
10	Curb and gutter, property line for Lots 8 + 9, Forest Lakes Drive, eastbound, at grade.	9/14/20	96	95	8.2	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

 <p>ENTECH ENGINEERING, INC. 505 Elkton Drive Colorado Springs, CO 80907 (719) 531-5599 • (719) 531-5238 (fax)</p>	<p>FIELD DENSITY RESULTS</p>	<p><i>Mark H. Haasebild, P.E.</i></p>
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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
11	Curb and gutter, 10' west of property line for Lots 3 + 4, Forest Lakes Drive, eastbound, at grade.	9/14/20	99	95	8.3	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
12	Curb and gutter, 15' east of property line for Lots 1 + 2, Forest Lakes Drive, eastbound, at grade.	9/14/20	97	95	7.7	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
13	Curb and gutter, 15' east of property line for Lots 31 + 32, Forest Lakes Drive, westbound, at grade.	9/14/20	97	95	7.9	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
14	Curb and gutter, 125' east of east boundary of Lot 1, Forest Lakes Drive, eastbound, at grade.	9/17/20	97	95	7.5	SM	M - 130.4 @ 8.1	<input type="checkbox"/>
15	Curb and gutter, 200' east of east boundary of Lot 1, Forest Lakes Drive, westbound, at grade.	9/17/20	98	95	7.3	SM	M - 130.4 @ 8.1	<input type="checkbox"/>

Comments:

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FIELD DENSITY RESULTS

Mark H. Hauschild, P.E.