



ENTECH
ENGINEERING, INC.

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

April 28, 2018

Classic Communities
6385 Corporate Drive #200
Colorado Springs, CO 80919

Attn: Mark Sherwood

Re: Density Testing – Overlot
Forest Lakes, Filing 2B-1
Colorado Springs, Colorado
Report No. 11, Tests 98 – 146

Dear Mr. Sherwood,

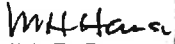
As requested, personnel of Entech Engineering, Inc. have performed density testing at the above referenced site.

Density testing on this site was performed on April 17 – 20, and 23 – 27, 2018. 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/slf

Enclosure

Entech Job No. 171427


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Client: Classic Communities
Entech Job #: 171427.1
Proctor Value Key: M = modified, ASTM D-1557
Project: Forest Lakes, Filing 2B-1
Tested By: S. Reardanz/S. Wood
Report Date: 04-28-2018
Subject: Overlot
S = standard, ASTM D-698
T = AASHTO, T-180


Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
98	Lot #16, Lakes Edge Drive, center of lot, 12' below grade.	4/17/18	99	98	9.8	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
99	Lot #18, Lakes Edge Drive, center of lot, 12' below grade.	4/17/18	98	98	9.2	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
100	Lot #4, Lakes Edge Drive, east side of lot, 1.5' below grade.	4/17/18	98	95	7.5	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
101	Lot #5, Lakes Edge Drive, east side of lot, 1.5' below grade.	4/17/18	97	95	7.6	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
102	Lot #15, Lakes Edge Drive, north central area of lot, 10' below grade.	4/18/18	99	98	7.4	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
103	Lot #16, Lakes Edge Drive, center of lot, 10' below grade.	4/18/18	99	98	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
104	Lot #17, Lakes Edge Drive, center of lot, 10' below grade.	4/18/18	98	98	7.7	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
105	Lot #19, Lakes Edge Drive, south central area of lot, 10' below grade.	4/18/18	98	98	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
106	Long Valley Drive, property line of lots 32 & 33, north side of road, 8' below grade.	4/18/18	99	95	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
107	Long Valley Drive, property line of lots 28 & 29, south side of road, 8' below grade.	4/18/18	98	95	7.2	SM	M - 134.1 @ 6.9	<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


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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
108	Lot #20, Long Valley Drive, north side of lot, 16' below grade.	4/19/18	99	98	6.8	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
109	Lot #21, Long Valley Drive, center of lot, 16' below grade.	4/19/18	98	98	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
110	Lot #22, Long Valley Drive, south side of lot, 16' below grade.	4/19/18	98	98	7.1	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
111	Lot #23, Long Valley Drive, north side of lot, 16' below grade.	4/19/18	99	98	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
112	Long Valley Drive, property line of lots 20 & 21, north side of road, 10' below grade.	4/20/18	99	98	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
113	Long Valley Drive, property line of lots 23 & 24, north side of road, 10' below grade.	4/20/18	99	98	7.1	SMM	M - 134.1 @ 6.9	<input type="checkbox"/>
114	Lot #21, Long Valley Drive, center of lot, 14' below grade.	4/20/18	100	98	6.7	100	M - 134.1 @ 6.9	<input type="checkbox"/>
115	Lot #22, Long Valley Drive, south side of lot, 14' below grade.	4/20/18	99	98	6.9	SMM	M - 134.1 @ 6.9	<input type="checkbox"/>
116	Lot #25, Long Valley Drive, south side of lot, 14' below grade.	4/23/18	99	98	6.5	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
117	Lot #24, Long Valley Drive, center of lot, 14' below grade.	4/23/18	99	98	6.6	SM	M - 134.1 @ 6.9	<input type="checkbox"/>

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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
118	Lot #20, Long Valley Drive, north side of lot, 12' below grade.	4/23/18	99	98	7.4	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
119	Lot #22, Long Valley Drive, center of lot, 12' below grade.	4/23/18	98	98	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
120	Lot #24, Long Valley Drive, center of lot, 12' below grade.	4/23/18	99	98	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
121	Lot #25, Long Valley Drive, north side of lot, 12' below grade.	4/23/18	99	98	7.1	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
122	Long Valley Drive, property line of lots 21 & 22, south side of road, 8' below grade.	4/24/18	98	95	6.5	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
123	Long Valley Drive, property line of lots 24 & 25, north side of road, 8' below grade.	4/24/18	98	95	7.7	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
124	Lot #21, Long Valley Drive, north side of lot, 10' below grade.	4/24/18	99	98	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
125	Lot #22, Long Valley Drive, center of lot, 10' below grade.	4/24/18	99	98	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
126	Lot #23, Long Valley Drive, south side of lot, 10' below grade.	4/24/18	99	98	6.8	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
127	Lot #24, Long Valley Drive, center of lot, 10' below grade.	4/24/18	99	98	7.2	SM	M - 134.1 @ 6.9	<input type="checkbox"/>

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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
128	Lot #20, Long Valley Drive, center of lot, 8' below grade.	4/25/18	99	95	7.8	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
129	Lot #22, Long Valley Drive, north side of lot, 8' below grade.	4/25/18	98	95	7.2	6.8I	M - 134.1 @ 6.9	<input type="checkbox"/>
130	Lot #24, Long Valley Drive, south side of lot, 8' below grade.	4/25/18	99	95	6.6	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
131	Lot #25, Long Valley Drive, north side of lot, 8' below grade.	4/25/18	99	95	6.8	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
132	Long Valley Drive, property line of lots 21 & 22, south side of road, 6' below grade.	4/25/18	99	95	9.6	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
133	Long Valley Drive, property line of lots 23 & 24, north side of road, 6' below grade.	4/25/18	98	95	8.9	6.8I	M - 127.0 @ 9.9	<input type="checkbox"/>
134	Lot #18, Lakes Edge Drive, center of lot, 8' below grade.	4/25/18	98	95	9.5	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
135	Lot #19, Lakes Edge Drive, center of lot, 8' below grade.	4/25/18	99	95	9.3	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
136	Lot #25, Long Valley Drive, center of lot, 6' below grade.	4/26/18	99	95	9.5	SM	M - 127.0 @ 9.9	<input type="checkbox"/>
137	Lot #24, Long Valley Drive, center of lot, 6' below grade.	4/26/18	98	95	9.5	SM	M - 127.0 @ 9.9	<input type="checkbox"/>

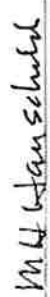
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138	Lot #20, Long Valley Drive, north side of lot, 6' below grade.	4/26/18	98	95	7.5	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
139	Lot #21, Long Valley Drive, center of lot, 6' below grade.	4/26/18	99	95	6.8	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
140	Lot #22, Long Valley Drive, north side of lot, 6' below grade.	4/26/18	97	95	6.9	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
141	Lot #23, Long Valley Drive, center of lot, 6' below grade.	4/26/18	98	95	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
142	Long Valley Drive, property line of lots 22 & 23, north side of road, 4' below grade.	4/26/18	98	95	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
143	Long Valley Drive, property line of lots 24 & 25, south side of road, 4' below grade.	4/26/18	96	95	7.1	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
144	Lot #20, Long Valley Drive, north side of lot, 4' below grade.	4/27/18	99	95	7.5	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
145	Lot #22, Long Valley Drive, center of lot, 4' below grade.	4/27/18	98	95	7.2	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
146	Lot #24, Long Valley Drive, south side of lot, 4' below grade.	4/27/18	98	95	7.3	SM	M - 134.1 @ 6.9	<input type="checkbox"/>

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