



ENTECH
ENGINEERING, INC.

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

June 16, 2022

Classic Communities
2138 Flying Horse Club Drive
Colorado Springs, CO. 80921

Attn: Mark Sherwood

Re: Density Testing – Sanitary Sewer
Forest Lakes Development, Filing 7
Colorado Springs, Colorado
Report No. 7, Tests 194 - 222

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 15 through 18, 2022. 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.



Joseph C. Goode, Jr.
President

JCG/pb

Enclosure

Entech Job No. 220622

F:\AA projects\2022\220622-FLRD-Forest Lakes F7-110-ConMat\220622_2cl7.doc


Client: Classic Communities	Entech Job #: 220622.2	Proctor Value Key: M = modified, ASTM D-1557
Project: Forest Lakes Development, Filing 7	Tested By: B. Wasilik	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 06-16-2022	T = AASHTO, T-180

Test Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
194	Service, Lot # 65, 3' below grade.	4/15/2022	95	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
195	Service, Lot # 69, 3' below grade.	4/15/2022	99	95	8.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
196	Main, Station 7 + 75 on Mesa Top Drive, at grade.	4/15/2022	96	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
197	Manhole # 3, 1' below grade.	4/15/2022	100	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
198	Manhole # 2, 10' below grade.	4/15/2022	96	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
199	Service, Lot # 67, 6' below grade.	4/15/2022	97	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
200	Service, Lot # 67, 4' below grade.	4/15/2022	95	95	9.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
201	Service, Lot # 67, 2' below grade.	4/15/2022	95	95	8.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
202	Manhole # 2, 8' below grade.	4/15/2022	99	95	7.2	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
203	Service, Lot # 67, 1' below grade.	4/15/2022	95	95	8.7	SM	M - 125.7 @ 8.8	<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) 531-5595 • (719) 531-5238 (fax)</p>	<p>FIELD DENSITY RESULTS</p>	<p><i>Joseph C. Goode, Jr., P.E.</i></p>
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
204	Service, Lot # 67, at grade.	4/15/2022	95	95	10.5	SM	M - 125.7 @ 8.8	<input checked="" type="checkbox"/> = Fail
205	Manhole # 2, 6' below grade.	4/15/2022	97	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
206	Service, Lot # 69, at grade.	4/15/2022	99	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
207	Service, Lot # 65, at grade.	4/15/2022	99	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
208	Manhole # 5, at grade.	4/15/2022	96	95	7.2	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
209	Manhole # 2, 4' below grade.	4/15/2022	95	95	7.6	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
210	Manhole # 2, 2' below grade.	4/18/2022	95	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
211	Main, Station # 5 + 50 on Mountain Lodge Lane, 9' below grade.	4/18/2022	96	95	7.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
212	Main, Station # 5 + 50 on Mesa Top Drive, 8' below grade.	4/18/2022	95	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
213	Main, Station # 5 + 50 on Mesa Top Drive, 7' below grade.	4/18/2022	95	95	7.7	SM	M - 125.7 @ 8.8	<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
214	Main, Station # 5 + 50 on Mountain Lodge Lane, 5' below grade.	4/18/2022	96	95	7.2	SM	M - 125.7 @ 8.8	<input checked="" type="checkbox"/>
215	Main, Station # 5 + 50 on Mesa Top Drive, 6' below grade.	4/18/2022	95	95	7.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
216	Main, Station # 5 + 50 on Mountain Lodge Lane, 3' below grade.	4/18/2022	96	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
217	Main, Station # 5 + 50 on Mountain Lodge Lane, 2' below grade.	4/18/2022	97	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
218	Main, Station # 5 + 50 on Mesa Top Drive, 4' below grade.	4/18/2022	98	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
219	Main, Station # 5 + 50 on Mountain Ledge Lane, at grade.	4/18/2022	97	95	7.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
220	Main, Station # 5 + 50 on Mesa Top Drive, 2' below grade.	4/18/2022	96	95	7.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
221	Manhole # 2, at grade.	4/18/2022	95	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
222	Main, Station # 5 + 50 on Mesa Top Drive, at grade.	4/18/2022	100	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

Comments:

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FIELD DENSITY RESULTS

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