



ENTECH
ENGINEERING, INC.

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

June 2, 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. 5, Tests 116 - 153

Dear Mr. Sherwood,

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

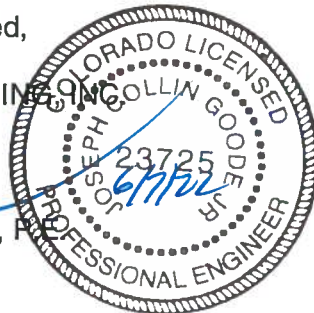
Density testing on this site was performed on April 8 through 12, 2022. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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., P.E.
President



JCG/pb

Enclosure

Entech Job No. 220622

F:\AA projects\2022\220622-FKRD-Forest Lakes F7-110-ConMat\220622_2cl5.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: 06-02-2022	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
116	Service, Lot # 11, 6' below grade.	4/8/2022	98	95	7.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
117	Main, Station # 12 + 25 on Mesa Top Drive, 2' below grade.	4/8/2022	97	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
118	Main, Station # 12 + 25 on Mesa Top Drive, at grade.	4/8/2022	99	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
119	Service, Lot # 11, 5' below grade.	4/8/2022	96	95	9.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
120	Service, Lot # 11, 4' below grade.	4/8/2022	98	95	6.6	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
121	Service, Lot # 11, 2' below grade.	4/11/2022	95	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
122	Service, Lot # 9, 2' below grade.	4/11/2022	97	95	7.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
123	Service, Lot # 11, at grade.	4/11/2022	98	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
124	Service, Lot # 9, at grade.	4/11/2022	98	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
125	Service, Lot # 76, at grade.	4/11/2022	99	95	6.9	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



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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
126	Service, Lot # 77, at grade.	4/11/2022	98	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
127	Service, Lot # 78, at grade.	4/11/2022	98	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
128	Manhole # 5, 2' below grade.	4/11/2022	95	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
129	Manhole # 5, at grade.	4/11/2022	97	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
130	Service, Lot # 7, at grade.	4/11/2022	98	95	7.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
131	Service, Lot # 10, at grade.	4/12/2022	96	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
132	Service, Lot # 74, 9' below grade.	4/12/2022	95	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
133	Main, Station # 7 + 10 on Ute Mountain Court, 10' below grade.	4/12/2022	98	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
134	Main, Station # 10 + 00 on Mesa Top Drive, 10' below grade.	4/12/2022	95	95	9.6	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
135	Manhole # 4, 10' below grade.	4/12/2022	100	95	7.1	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
136	Service, Lot # 75, 7' below grade.	4/12/2022	95	95	7.4	SM	M - 125.7 @ 8.8	<input checked="" type="checkbox"/> = Fail
137	Manhole # 4, 8' below grade.	4/12/2022	98	95	7.2	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
138	Main, Station # 7 + 10 on Ute Mountain Court, 8' below grade.	4/12/2022	100	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
139	Main, Station # 10 + 00 on Mesa Top Drive, 8' below grade.	4/12/2022	97	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
140	Manhole # 12, 10' below grade.	4/12/2022	100	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
141	Manhole # 12, 8' below grade.	4/12/2022	99	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
142	Manhole # 12, 7' below grade.	4/12/2022	99	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
143	Manhole # 12, 5' below grade.	4/12/2022	98	95	7.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
144	Service, Lot # 74, 10' below grade.	4/12/2022	97	95	7.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
145	Service, Lot # 74, 9' below grade.	4/12/2022	96	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

Comments:

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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
146	Service, Lot # 74, 8' below grade.	4/12/2022	96	95	8.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
147	Service, Lot # 74, 6' below grade.	4/12/2022	95	95	8.2	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
148	Manhole # 12, 3' below grade.	4/12/2022	97	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
149	Manhole # 12, 1' below grade.	4/12/2022	99	95	7.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
150	Service, Lot # 74, 4' below grade.	4/12/2022	95	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
151	Service, Lot # 74, 2' below grade.	4/12/2022	99	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
152	Manhole # 12, at grade.	4/12/2022	98	95	7.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
153	Service, Lot # 74, at grade.	4/12/2022	97	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

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