



ENTECH
ENGINEERING, INC.

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

June 28, 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. 11, Tests 392 - 464

Dear Mr. Sherwood,


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

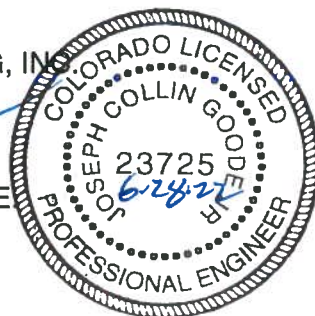
Density testing on this site was performed on May 3 through 6, 2022. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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-FLRD-Forest Lakes F7-110-ConMat\220622_2cl11.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: 06-28-2022	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
392	Service, Lot # 21, 6' below grade.	5/3/2022	95	95	7.6	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
393	Service, Lot # 14, 6' below grade.	5/3/2022	96	95	8.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
394	Service, Lot # 14, 4' below grade.	5/3/2022	95	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
395	Service, Lot # 25, 5' below grade.	5/3/2022	96	95	7.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
396	Service, Lot # 21, 4' below grade.	5/3/2022	95	95	9.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
397	Service, Lot # 25, 3' below grade.	5/3/2022	95	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
398	Service, Lot # 14, 2' below grade.	5/3/2022	96	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
399	Service, Lot # 14, at grade.	5/3/2022	95	95	7.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
400	Service, Lots # 20 and 26, 9' below grade.	5/3/2022	95	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
401	Service, Lots # 20 and 26, 7' below grade.	5/3/2022	96	95	6.8	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) 531-5599 • (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
402	Service, Lot # 21, 2' below grade.	5/3/2022	97	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
403	Service, Lot # 25, 1' below grade.	5/3/2022	96	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
404	Service, Lots 20 and 26, 5' below grade.	5/3/2022	97	95	8.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
405	Service, Lots 20 and 26, 3' below grade.	5/3/2022	96	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
406	Service, Lot # 19, 8' below grade.	5/3/2022	100	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
407	Service, Lots # 20 and 26, 8' below grade.	5/4/2022	97	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
408	Service, Lot # 19, 6' below grade.	5/4/2022	95	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
409	Service, Lot # 19, 4' below grade.	5/4/2022	95	95	7.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
410	Service, Lot # 19, 2' below grade.	5/4/2022	98	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
411	Service, Lot # 19, at grade.	5/4/2022	97	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

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FIELD DENSITY RESULTS

Joseph C. Gonde, Jr., P.E.


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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
412	Service, Lot # 27, 8' below grade.	5/4/2022	100	95	9.5	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
413	Service, Lot # 27, 6' below grade.	5/4/2022	97	95	10.7	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
414	Service, Lot # 27, 4' below grade.	5/4/2022	96	95	10.8	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
415	Service, Lot # 16, 9' below grade.	5/4/2022	96	95	10.8	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
416	Service, Lot # 27, 2' below grade.	5/4/2022	99	95	9.0	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
417	Service, Lot # 16, 7' below grade.	5/4/2022	100	95	9.8	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
418	Service, Lot # 16, 5' below grade.	5/4/2022	96	95	8.0	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
419	Service, Lot # 16, 3' below grade.	5/4/2022	98	95	7.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
420	Service, Lot # 18, 8' below grade.	5/4/2022	95	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
421	Service, Lot # 16, 1' below grade.	5/4/2022	95	95	6.9	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
422	Service, Lot # 18, 6' below grade.	5/4/2022	97	95	8.0	SM	M - 118.7 @ 10.0	<input checked="" type="checkbox"/>
423	Service, Lot # 16, at grade.	5/4/2022	96	95	8.2	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
424	Service, Lot # 18, 4' below grade.	5/4/2022	100	95	10.4	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
425	Service, Lot # 18, 2' below grade.	5/4/2022	100	95	10.0	SM	M - 118.7 @ 10.0	<input type="checkbox"/>
426	Service, Lot # 18, at grade.	5/4/2022	97	95	7.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
427	Service, Lot # 28, 9' below grade.	5/4/2022	98	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
428	Service, Lot # 28, 7' below grade.	5/5/2022	96	95	9.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
429	Service, Lot # 28, 5' below grade.	5/5/2022	98	95	8.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
430	Service, Lot # 28, 3' below grade.	5/5/2022	96	95	9.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
431	Service, Lot # 30, 7' below grade.	5/5/2022	99	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
432	Service, Lot # 30, 5' below grade.	5/5/2022	100	95	7.4	SM	M - 127.9 @ 7.9	<input type="checkbox"/>
433	Service, Lot # 30, 3' below grade.	5/5/2022	99	95	7.0	SM	M - 127.9 @ 7.9	<input type="checkbox"/>
434	Service, Lot # 28, at grade.	5/5/2022	96	95	8.3	SM	M - 127.9 @ 7.9	<input type="checkbox"/>
435	Service, Lot # 30, 1' below grade.	5/5/2022	95	95	7.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
436	Service, Lot # 29, 9' below grade.	5/5/2022	95	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
437	Service, Lot # 32, 8' below grade.	5/5/2022	100	95	6.8	SM	M - 127.9 @ 7.9	<input type="checkbox"/>
438	Service, Lot # 29, 7' below grade.	5/5/2022	99	95	5.7	SM	M - 134.1 @ 6.9	<input type="checkbox"/>
439	Service, Lot # 29, 5' below grade.	5/5/2022	95	95	8.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
440	Service, Lot # 32, 6' below grade.	5/5/2022	97	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
441	Service, Lot # 29, 4' below grade.	5/5/2022	96	95	8.2	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
442	Service, Lot # 29, 2' below grade.	5/5/2022	95	95	8.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
443	Service, Lot # 32, 4' below grade.	5/5/2022	98	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
444	Service, Lot # 32, 2' below grade.	5/5/2022	96	95	6.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
445	Service, Lot # 29, at grade.	5/5/2022	95	95	7.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
446	Service, Lot # 32, 1' below grade.	5/5/2022	100	95	6.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
447	Service, Lot # 14, 9' below grade.	5/5/2022	95	95	7.3	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
448	Service, Lot # 14, 7' below grade.	5/5/2022	95	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
449	Service, Lot # 14, 5' below grade.	5/5/2022	98	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
450	Service, Lot # 14, 3' below grade.	5/5/2022	98	95	8.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
451	Service, Lot # 14, 1' below grade.	5/5/2022	95	95	8.4	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

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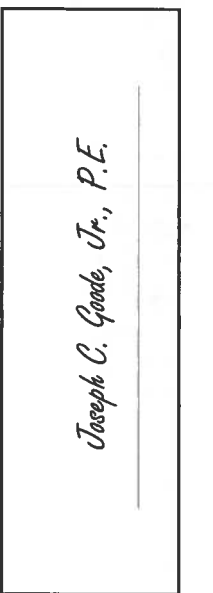
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
452	Service, Lot # 68, 8' below grade.	5/6/2022	95	95	8.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
453	Service, Lot # 68, 6' below grade.	5/6/2022	95	95	9.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
454	Service, Lot # 68, 4' below grade.	5/6/2022	98	95	8.1	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
455	Service, Lot # 68, 2' below grade.	5/6/2022	100	95	8.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
456	Service, Lot # 66, 6' below grade.	5/6/2022	96	95	7.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
457	Service, Lot # 66, 4' below grade.	5/6/2022	95	95	8.5	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
458	Service, Lot # 66, 2' below grade.	5/6/2022	95	95	8.9	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
459	Service, Lot # 68, at grade.	5/6/2022	95	95	7.2	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
460	Service, Lot # 64, 9' below grade.	5/6/2022	95	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
461	Service, Lot # 64, 7' below grade.	5/6/2022	96	95	6.8	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
462	Service, Lot # 64, 5' below grade.	5/6/2022	95	95	9.7	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
463	Service, Lot # 64, 3' below grade.	5/6/2022	98	95	8.8	SM	M - 125.7 @ 8.8	<input type="checkbox"/>
464	Service, Lot # 64, 3' below grade.	5/6/2022	99	95	7.0	SM	M - 125.7 @ 8.8	<input type="checkbox"/>

Comments:

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