

Client: Classic Communities	Entech Job #: 152313.2	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Forest Lakes Filing 2, Phase 2A	Tested By: S. Reardanz	
Subject: Sanitary Sewer	Report Date: 10-05-2016	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
1	Pelican Bay Drive, manhole #2, station 3 + 70, 16' below grade.	9/27/16	97	95	7.6	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
2	Pelican Bay Drive, manhole #2, station 3 + 70, 14' below grade.	9/27/16	97	95	8.2	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
3	Pelican Bay Drive, manhole #2, station 3 + 70, 12' below grade.	9/27/16	96	95	7.9	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
4	Pelican Bay Drive, manhole #2, station 3 + 70, 10' below grade.	9/27/16	98	95	7.5	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
5	Main, outfall easement, station 12 + 50, 6' below grade.	9/27/16	96	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
6	Main, outfall easement, station 12 + 25, 4' below grade.	9/27/16	97	95	7.6	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
7	Main, outfall easement, station 12 + 50, 2' below grade.	9/27/16	97	95	8.6	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
8	Main, outfall easement, manhole #12, station 12 + 18, 6' below grade.	9/27/16	99	95	8.3	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
9	Main, outfall easement, manhole #12, station 12 + 18, 4' below grade.	9/27/16	96	95	9.1	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
10	Main, outfall easement, manhole #12, station 12 + 18, 2' below grade.	9/27/16	98	95	8.5	SM	M - 130.9 @ 8.2	<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>MH Hauschild</i> Mark H. Hauschild, P.E.</p>
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
11	Main, outfall easement, station 12 + 75, at grade.	9/27/16	96	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
12	Main, outfall easement, manhole #12, station 12 + 18, at grade.	9/27/16	97	95	7.7	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
13	Main, Pelican Bay Drive, station 1 + 75, 14' below grade.	9/28/16	97	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
14	Main, Pelican Bay Drive, station 10 + 00, 8' below grade.	9/28/16	96	95	7.5	SM	M - 130.9 @ 8.2	<input type="checkbox"/>

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Project: Forest Lakes Filing 2, Phase 2A	Tested By: M. Smith	
Subject: Sanitary Sewer	Report Date: 10-12-2016	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
15	Main, Pelican Bay Drive, station 1 + 75, 12' below grade.	9/28/16	96	95	7.5	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
16	Main, Pelican Bay Drive, station 1 + 75, 10' below grade.	9/28/16	96	95	7.9	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
17	Main, Pelican Bay Drive, station 1 + 75, 8' below grade.	9/28/16	96	95	6.7	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
18	Main, Forest Lakes Drive, station 10 + 00, 6' below grade.	9/28/16	96	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
19	Main, Forest Lakes Drive, station 10 + 00, 4' below grade.	9/28/16	96	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
20	Main, Forest Lakes Drive, station 10 + 00, 2' below grade.	9/28/16	96	95	8.0	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
21	Main, Pelican Bay Drive, outfall easement, station 1 + 75, 6' below grade.	9/28/16	96	95	6.6	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
22	Main, Pelican Bay Drive, outfall easement, station 1 + 75, 4' below grade.	9/28/16	96	95	7.1	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
23	Main, Pelican Bay Drive, outfall easement, station 1 + 75, 2' below grade.	9/28/16	96	95	6.8	SM	M - 130.9 @ 8.2	<input type="checkbox"/>
24	Main, Forest Lakes Drive, station 10 + 00, at grade.	9/29/16	96	95	7.8	SM	M - 130.9 @ 8.2	<input type="checkbox"/>

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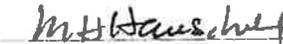
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Project: Forest Lakes Filing 2, Phase 2A	Tested By: M. Smith	
Subject: Sanitary Sewer	Report Date: 10-14-2016	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
25	Main, Blue Pearl Court, station 8 + 00, 12' below grade.	9/29/16	96	95	10.5	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
26	Main, Blue Pearl Court, station 8 + 00, 10' below grade.	9/29/16	95	95	11.9	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
27	Main, Blue Pearl Court, station 8 + 00, 8' below grade.	9/29/16	95	95	11.7	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
28	Main, Blue Pearl Court, station 8 + 00, 6' below grade.	9/29/16	95	95	11.0	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
29	Main, Blue Pearl Court, station 8 + 00, 4' below grade.	9/29/16	95	95	12.1	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
30	Main, Blue Pearl Court, station 8 + 00, 2' below grade.	9/29/16	95	95	10.4	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
31	Main, Blue Pearl Court, station 8 + 00, at grade.	9/30/16	95	95	8.2	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
32	Manhole, Forest Lakes Drive, station 12 + 18.78, 4' below grade.	9/30/16	85	95	7.0	SM	M . 122.7 @ 12.1	<input checked="" type="checkbox"/>
32a	Retest #32	9/30/16	91	95	7.6	SM	M . 122.7 @ 12.1	<input checked="" type="checkbox"/>
32b	Retest #32	9/30/16	95	95	7.0	SM	M . 122.7 @ 12.1	<input type="checkbox"/>

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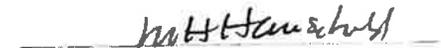
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
33	Manhole, Forest Lakes Drive, station 13 + 7.84, 4' below grade.	9/30/16	89	95	8.0	SM	M . 122.7 @ 12.1	<input checked="" type="checkbox"/>
33a	Retest #33	9/30/16	93	95	7.8	SM	M . 122.7 @ 12.1	<input checked="" type="checkbox"/>
33b	Retest #33b	9/30/16	95	95	7.7	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
34	Manhole, Forest Lake Drive, station 12 + 18.78, 2' below grade.	9/30/16	95	95	7.3	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
35	Manhole, Forest Lake Drive, station 13 + 7.84, 2' below grade.	9/30/16	95	95	7.5	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
36	Manhole, Forest Lake Drive, station 12 + 18.78, at grade.	9/30/16	95	95	7.2	SM	M . 122.7 @ 12.1	<input type="checkbox"/>
37	Manhole, Forest Lake Drive, station 13 + 7.84, at grade.	9/30/16	96	95	5.9	SM	M . 122.7 @ 12.1	<input type="checkbox"/>

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