



ENTECH
ENGINEERING, INC.

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

November 12, 2021

FLRD #6
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Attn: Jim Boulton

Re: Density Testing – Sanitary Sewer
Forest Lakes Residential Development, Filing 6
Colorado Springs, Colorado
Report No. 14, Tests 673 – 834

Dear Mr. Boulton,

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

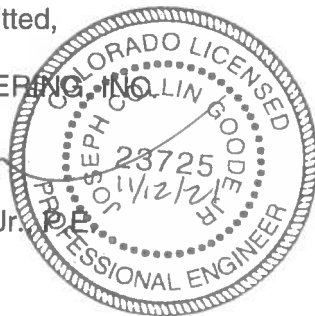
Density testing on this site was performed on October 28, 2021 – November 5, 2021. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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/kw

Enclosure

Entech Job No. 201326

F:\AA projects\2020\201326-FLRD-Forest Lakes F6-110-ConMat\201326_2cl14.doc


Client: FLRD #6	Entech Job #: 201326.2	Proctor Value Key: M = modified, ASTM D-1557
Project: Forest Lakes Residential Development, Filing 6	Tested By: J. Claton/B.Ooley	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
673	Lot #31 on Mesa Top Drive North, 14' below grade.	10/28/21	99	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
674	Lot #31 on Mesa Top Drive North, 12' below grade.	10/28/21	98	98	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
675	Lot #31 on Mesa Top Drive North, 10' below grade.	10/28/21	98	98	9.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
676	Lot #31 on Mesa Top Drive North, 8' below grade.	10/28/21	96	95	9.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
677	Lot #31 on Mesa Top Drive North, 6' below grade.	10/28/21	97	95	9.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
678	Lot #31 on Mesa Top Drive North, 4' below grade.	10/28/21	96	95	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
679	Lot #31 on Mesa Top Drive North, 2' below grade.	10/28/21	96	95	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
680	Lot #31 on Mesa Top Drive North, at grade.	10/28/21	97	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
681	Lot #9 on Mesa Top Drive North, 14' below grade.	10/29/21	99	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
682	Lot #9 on Mesa Top Drive North, 12' below grade.	10/29/21	99	98	6.9	SM	M - 130.3 @ 7.6	<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 Elkon 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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Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor		Pass/Fail
							Type	Value	
683	Lot #9 on Mesa Top Drive North, 10' below grade.	10/29/21	98	98	6.5	SM	M	130.3 @ 7.6	<input type="checkbox"/>
684	Lot #9 on Mesa Top Drive North, 8' below grade.	10/29/21	97	95	7.3	SM	M	130.3 @ 7.6	<input type="checkbox"/>
685	Lot #9 on Mesa Top Drive North, 6' below grade.	10/29/21	95	95	8.1	SM	M	130.3 @ 7.6	<input type="checkbox"/>
686	Lot #9 on Mesa Top Drive North, 4' below grade.	10/29/21	97	95	8.4	SM	M	130.3 @ 7.6	<input type="checkbox"/>
687	Lot #9 on Mesa Top Drive North, 2' below grade.	10/29/21	97	95	8.5	SM	M	130.3 @ 7.6	<input type="checkbox"/>
688	Lot #9 on Mesa Top Drive North, at grade.	10/29/21	97	95	8.0	SM	M	130.3 @ 7.6	<input type="checkbox"/>
689	Lot #29 on Mesa Top Drive North, 14' below grade.	11/1/21	98	98	7.1	SM	M	130.3 @ 7.6	<input type="checkbox"/>
690	Lot #29 on Mesa Top Drive North, 12' below grade.	11/1/21	99	98	6.5	SM	M	130.3 @ 7.6	<input type="checkbox"/>
691	Lot #29 on Mesa Top Drive North, 10' below grade.	11/1/21	98	98	6.4	SM	M	130.3 @ 7.6	<input type="checkbox"/>
692	Lot #29 on Mesa Top Drive North, 8' below grade.	11/1/21	97	95	7.3	SM	M	130.3 @ 7.6	<input type="checkbox"/>

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Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
693	Lot #29 on Mesa Top Drive North, 6' below grade.	11/1/21	95	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
694	Lot #29 on Mesa Top Drive North, 4' below grade.	11/1/21	95	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
695	Lot #29 on Mesa Top Drive North, 2' below grade.	11/1/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
696	Lot #29 on Mesa Top Drive North, at grade.	11/1/21	98	95	7.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
697	Lot #30 on Mesa Top Drive North, 14' below grade.	11/1/21	99	98	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
698	Lot #30 on Mesa Top Drive North, 12' below grade.	11/1/21	98	98	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
699	Lot #30 on Mesa Top Drive North, 10' below grade.	11/1/21	98	98	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
700	Lot #30 on Mesa Top Drive North, 8' below grade.	11/1/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
701	Lot #30 on Mesa Top Drive North, 6' below grade.	11/1/21	95	95	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
702	Lot #30 on Mesa Top Drive North, 4' below grade.	11/1/21	96	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

Comments:

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
703	Lot #30 on Mesa Top Drive North, 2' below grade.	11/1/21	97	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
704	Lot #30 on Mesa Top Drive North, at grade.	11/1/21	96	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
705	Lot #11 on Mesa Top Drive North, 14' below grade.	11/1/21	98	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
706	Lot #11 on Mesa Top Drive North, 12' below grade.	11/1/21	99	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
707	Lot #11 on Mesa Top Drive North, 10' below grade.	11/1/21	99	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
708	Lot #11 on Mesa Top Drive North, 8' below grade.	11/1/21	96	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
709	Lot #11 on Mesa Top Drive North, 6' below grade.	11/1/21	95	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
710	Lot #11 on Mesa Top Drive North, 4' below grade.	11/1/21	95	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
711	Lot #11 on Mesa Top Drive North, 2' below grade.	11/1/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
712	Lot #11 on Mesa Top Drive North, at grade.	11/1/21	98	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Subject: Sanitary Sewer

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Report Date: 11-12-2021

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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
713	Lot #10 on Mesa Top Drive North, 14' below grade.	11/1/21	98	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
714	Lot #10 on Mesa Top Drive North, 12' below grade.	11/1/21	98	98	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
715	Lot #10 on Mesa Top Drive North, 10' below grade.	11/1/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
716	Lot #10 on Mesa Top Drive North, 8' below grade.	11/1/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
717	Lot #10 on Mesa Top Drive North, 6' below grade.	11/1/21	96	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
718	Lot #10 on Mesa Top Drive North, 4' below grade.	11/1/21	97	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
719	Lot #10 on Mesa Top Drive North, 2' below grade.	11/1/21	96	95	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
720	Lot #10 on Mesa Top Drive North, at grade.	11/1/21	97	95	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
721	Lot #14 on Mesa Top Drive North, 14' below grade.	11/2/21	98	98	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
722	Lot #14 on Mesa Top Drive North, 12' below grade.	11/2/21	98	98	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
723	Lot #14 on Mesa Top Drive North, 10' below grade.	11/2/21	98	98	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
724	Lot #14 on Mesa Top Drive North, 8' below grade.	11/2/21	97	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
725	Lot #14 on Mesa Top Drive North, 6' below grade.	11/2/21	97	95	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
726	Lot #14 on Mesa Top Drive North, 4' below grade.	11/2/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
727	Lot #14 on Mesa Top Drive North, 2' below grade.	11/2/21	97	95	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
728	Lot #14 on Mesa Top Drive North, at grade.	11/2/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
729	Lot #26 on Mesa Top Drive North, 14' below grade.	11/2/21	99	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
730	Lot #26 on Mesa Top Drive North, 12' below grade.	11/2/21	99	98	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
731	Lot #26 on Mesa Top Drive North, 10' below grade.	11/2/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
732	Lot #26 on Mesa Top Drive North, 8' below grade.	11/2/21	96	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
733	Lot #26 on Mesa Top Drive North, 6' below grade.	11/2/21	95	95	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
734	Lot #26 on Mesa Top Drive North, 4' below grade.	11/2/21	95	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
735	Lot #26 on Mesa Top Drive North, 2' below grade.	11/2/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
736	Lot #26 on Mesa Top Drive North, at grade.	11/2/21	96	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
737	Lot #27 on Mesa Top Drive North, 14' below grade.	11/2/21	98	98	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
738	Lot #27 on Mesa Top Drive North, 12' below grade.	11/2/21	98	98	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
739	Lot #27 on Mesa Top Drive North, 10' below grade.	11/2/21	98	98	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
740	Lot #27 on Mesa Top Drive North, 8' below grade.	11/2/21	97	95	9.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
741	Lot #27 on Mesa Top Drive North, 6' below grade.	11/2/21	97	95	9.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
742	Lot #27 on Mesa Top Drive North, 4' below grade.	11/2/21	98	95	9.1	SM	M - 130.3 @ 7.6	<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
743	Lot #27 on Mesa Top Drive North, 2' below grade.	11/2/21	96	95	8.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
744	Lot #27 on Mesa Top Drive North, at grade.	11/2/21	97	95	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
745	Lot #28 on Mesa Top Drive North, 14' below grade.	11/2/21	98	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
746	Lot #28 on Mesa Top Drive North, 12' below grade.	11/2/21	99	98	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
747	Lot #28 on Mesa Top Drive North, 10' below grade.	11/2/21	99	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
748	Lot #28 on Mesa Top Drive North, 8' below grade.	11/2/21	97	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
749	Lot #28 on Mesa Top Drive North, 6' below grade.	11/2/21	97	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
750	Lot #28 on Mesa Top Drive North, 4' below grade.	11/2/21	97	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
751	Lot #28 on Mesa Top Drive North, 2' below grade.	11/2/21	96	95	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
752	Lot #28 on Mesa Top Drive North, at grade.	11/2/21	95	95	9.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
753	Lot #13 on Mesa Top Drive North, 14' below grade.	11/2/21	98	98	8.0	SM	M - 130.3 @ 7.6	<input checked="" type="checkbox"/>
754	Lot #13 on Mesa Top Drive North, 12' below grade.	11/2/21	99	98	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
755	Lot #13 on Mesa Top Drive North, 10' below grade.	11/2/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
756	Lot #13 on Mesa Top Drive North, 8' below grade.	11/2/21	96	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
757	Lot #13 on Mesa Top Drive North, 6' below grade.	11/2/21	97	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
758	Lot #13 on Mesa Top Drive North, 4' below grade.	11/2/21	98	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
759	Lot #13 on Mesa Top Drive North, 2' below grade.	11/2/21	95	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
760	Lot #13 on Mesa Top Drive North, at grade.	11/2/21	96	98	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
761	Lot #12 on Mesa Top Drive North, 14' below grade.	11/2/21	98	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
762	Lot #12 on Mesa Top Drive North, 12' below grade.	11/2/21	98	98	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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764	Lot #12 on Mesa Top Drive North, 8' below grade.	11/2/21	98	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
765	Lot #12 on Mesa Top Drive North, 6' below grade.	11/2/21	97	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
766	Lot #12 on Mesa Top Drive North, 4' below grade.	11/2/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
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768	Lot #12 on Mesa Top Drive North, at grade.	11/2/21	96	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
769	Lot #20 on Mesa Top Drive North, 16' below grade.	11/3/21	99	98	6.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
770	Lot #20 on Mesa Top Drive North, 14' below grade.	11/3/21	98	98	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
771	Lot #20 on Mesa Top Drive North, 12' below grade.	11/3/21	98	98	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
772	Lot #20 on Mesa Top Drive North, 10' below grade.	11/3/21	97	98	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

Comments:

Scope of Observation: PERIODIC; CONTRACTOR'S OR CLIENT'S REPRESENTATIVE ADVISED

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ENGINEERING, INC.
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FIELD DENSITY RESULTS

Joseph C. Goode, Jr., P.E.

Client: FLRD #6	Entech Job #: 201326.2	Proctor Value Key: M = modified, ASTM D-1557
Project: Forest Lakes Residential Development, Filing 6	Tested By: J. Claton/B.Ooley	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
773	Lot #20 on Mesa Top Drive North, 8' below grade.	11/3/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
774	Lot #20 on Mesa Top Drive North, 6' below grade.	11/3/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
775	Lot #20 on Mesa Top Drive North, 4' below grade.	11/3/21	95	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
776	Lot #20 on Mesa Top Drive North, 2' below grade.	11/3/21	96	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
777	Lot #20 on Mesa Top Drive North, at grade.	11/3/21	95	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
778	Lot #19 on Mesa Top Drive North, 16' below grade.	11/3/21	98	98	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
779	Lot #19 on Mesa Top Drive North, 14' below grade.	11/3/21	99	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
780	Lot #19 on Mesa Top Drive North, 12' below grade.	11/3/21	98	98	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
781	Lot #19 on Mesa Top Drive North, 10' below grade.	11/3/21	99	98	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
782	Lot #19 on Mesa Top Drive North, 8' below grade.	11/3/21	96	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

Comments:

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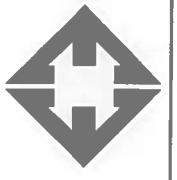
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Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
783	Lot #19 on Mesa Top Drive North, 6' below grade.	11/3/21	97	95	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
784	Lot #19 on Mesa Top Drive North, 4' below grade.	11/3/21	97	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
785	Lot #19 on Mesa Top Drive North, 2' below grade.	11/3/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
786	Lot #19 on Mesa Top Drive North, at grade.	11/3/21	95	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
787	Lot #18 on Mesa Top Drive North, 16' below grade.	11/3/21	98	98	8.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
788	Lot #18 on Mesa Top Drive North, 14' below grade.	11/3/21	98	98	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
789	Lot #18 on Mesa Top Drive North, 12' below grade.	11/3/21	98	98	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
790	Lot #18 on Mesa Top Drive North, 10' below grade.	11/3/21	99	98	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
791	Lot #18 on Mesa Top Drive North, 8' below grade.	11/3/21	97	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
792	Lot #18 on Mesa Top Drive North, 6' below grade.	11/3/21	96	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

Comments:

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
793	Lot #18 on Mesa Top Drive North, 4' below grade.	11/3/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
794	Lot #18 on Mesa Top Drive North, 2' below grade.	11/3/21	96	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
795	Lot #18 on Mesa Top Drive North, at grade.	11/3/21	96	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
796	Lot #17 on Mesa Top Drive North, 16' below grade.	11/3/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
797	Lot #17 on Mesa Top Drive North, 14' below grade.	11/3/21	98	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
798	Lot #17 on Mesa Top Drive North, 12' below grade.	11/3/21	98	98	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
799	Lot #17 on Mesa Top Drive North, 10' below grade.	11/3/21	97	98	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
800	Lot #17 on Mesa Top Drive North, 8' below grade.	11/3/21	95	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
801	Lot #17 on Mesa Top Drive North, 6' below grade.	11/3/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
802	Lot #17 on Mesa Top Drive North, 4' below grade.	11/3/21	97	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Project: Forest Lakes Residential Development, Filing 6	Tested By: J. Claton/B.Ooley	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 11-12-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
803	Lot #17 on Mesa Top Drive North, 2' below grade.	11/3/21	95	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
804	Lot #17 on Mesa Top Drive North, at grade.	11/3/21	97	95	7.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
805	Lot #16 on Mesa Top Drive North, 16' below grade.	11/3/21	98	98	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
806	Lot #16 on Mesa Top Drive North, 14' below grade.	11/3/21	98	98	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
807	Lot #16 on Mesa Top Drive North, 12' below grade.	11/3/21	98	98	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
808	Lot #16 on Mesa Top Drive North, 10' below grade.	11/3/21	97	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
809	Lot #16 on Mesa Top Drive North, 8' below grade.	11/3/21	97	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
810	Lot #16 on Mesa Top Drive North, 6' below grade.	11/3/21	96	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
811	Lot #16 on Mesa Top Drive North, 4' below grade.	11/3/21	95	95	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
812	Lot #16 on Mesa Top Drive North, 2' below grade.	11/3/21	96	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
813	Lot #16 on Mesa Top Drive North, at grade.	11/3/21	97	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
814	Lot #15 on Mesa Top Drive North, 18' below grade.	11/3/21	98	98	7.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
815	Lot #15 on Mesa Top Drive North, 14' below grade.	11/3/21	99	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
816	Lot #15 on Mesa Top Drive North, 12' below grade.	11/3/21	97	98	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
817	Lot #15 on Mesa Top Drive North, 10' below grade.	11/3/21	97	98	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
818	Lot #15 on Mesa Top Drive North, 8' below grade.	11/3/21	95	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
819	Lot #15 on Mesa Top Drive North, 6' below grade.	11/3/21	95	95	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
820	Lot #15 on Mesa Top Drive North, 4' below grade.	11/3/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
821	Lot #15 on Mesa Top Drive North, 2' below grade.	11/3/21	96	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
822	Lot #15 on Mesa Top Drive North, at grade.	11/3/21	95	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
823	Main, Station 13 + 00, Mesa Top Drive North, 11' below grade.	11/4/21	99	98	8.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
824	Main, Station 13 + 00, Mesa Top Drive North, 9' below grade.	11/4/21	98	95	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
825	Main, Station 13 + 00, Mesa Top Drive North, 7' below grade.	11/4/21	97	95	9.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
826	Main, Station 13 + 00, Mesa Top Drive North, 5' below grade.	11/4/21	96	95	7.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
827	Main, Station 13 + 00, Mesa Top Drive North, 3' below grade.	11/4/21	96	95	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
828	Main, Station 13 + 00, Mesa Top Drive North, 1' below grade.	11/4/21	97	95	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
829	Main, Station 13 + 00, Mesa Top Drive North, at grade.	11/4/21	97	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
830	Manhole 19, Mesa Top Drive North, 8' below grade.	11/5/21	96	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
831	Manhole 19, Mesa Top Drive North, 6' below grade.	11/5/21	97	95	7.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
832	Manhole 19, Mesa Top Drive North, 4' below grade.	11/5/21	98	95	7.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
833	Manhole 19, Mesa Top Drive North, 2' below grade.	11/5/21	97	95	8.1	SM	M - 130.3 @ 7.6	<input checked="" type="checkbox"/> = Fail
834	Manhole 19, Mesa Top Drive North, at grade.	11/5/21	98	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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