



ENTECH
ENGINEERING, INC.

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

October 15, 2021
Revised December 16, 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. 12, Tests 489 – 646

Dear Mr. Boulton,

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

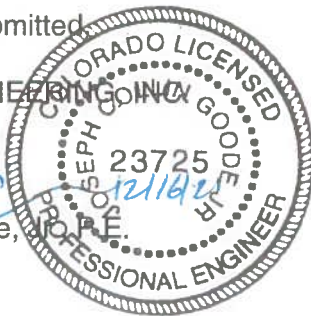
Density testing on this site was performed on September 20, 2021 – October 8, 2021. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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_2cl12.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	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 12-23-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
489	Lot #4, Sanitary Service on Mesa Top Drive South, 15' below grade.	9/20/21	99	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
490	Lot #4, Sanitary Service on Mesa Top Drive South, 13' below grade.	9/20/21	98	98	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
491	Lot #4, Sanitary Service on Mesa Top Drive South, 11' below grade.	9/20/21	98	98	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
492	Lot #5, Sanitary Service on Mesa Top Drive South, 15' below grade.	9/20/21	98	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
493	Lot #5, Sanitary Service on Mesa Top Drive South, 13' below grade.	9/20/21	98	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
494	Lot #5, Sanitary Service on Mesa Top Drive South, 11' below grade.	9/20/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
495	Lot #48, Sanitary Service on Mesa Top Drive South, 15' below grade.	9/20/21	98	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
496	Lot #48, Sanitary Service on Mesa Top Drive South, 13' below grade.	9/20/21	99	98	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
497	Lot #48, Sanitary Service on Mesa Top Drive South, 11' below grade.	9/20/21	99	98	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
498	Lot #4, Sanitary Service on Mesa Top Drive South, 9' below grade.	9/21/21	97	95	7.5	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 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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Subject: Sanitary Sewer	Report Date: 12-23-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
499	Lot #4, Sanitary Service on Mesa Top Drive South, 7' below grade.	9/21/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
500	Lot #4, Sanitary Service on Mesa Top Drive South, 5' below grade.	9/21/21	97	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
501	Lot #5, Sanitary Service on Mesa Top Drive South, 9' below grade.	9/21/21	99	95	6.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
502	Lot #5, Sanitary Service on Mesa Top Drive South, 7' below grade.	9/21/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
503	Lot #5, Sanitary Service on Mesa Top Drive South, 5' below grade.	9/21/21	95	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
504	Lot #48, Sanitary Service on Mesa Top Drive South, 9' below grade.	9/21/21	99	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
505	Lot #48, Sanitary Service on Mesa Top Drive South, 7' below grade.	9/21/21	95	95	7.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
506	Lot #48, Sanitary Service on Mesa Top Drive South, 5' below grade.	9/21/21	97	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
507	Lot #4, Sanitary Service on Mesa Top Drive South, 3' below grade.	9/22/21	96	95	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
508	Lot #4, Sanitary Service on Mesa Top Drive South, 1' below grade.	9/22/21	96	95	6.6	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
509	Lot #4, Sanitary Service on Mesa Top Drive South, at grade.	9/22/21	97	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
510	Lot #5, Sanitary Service on Mesa Top Drive South, 3' below grade.	9/22/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
511	Lot #5, Sanitary Service on Mesa Top Drive South, 1' below grade.	9/22/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
512	Lot #5, Sanitary Service on Mesa Top Drive South, at grade.	9/22/21	98	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
513	Lot #48, Sanitary Service on Mesa Top Drive South, 3' below grade.	9/22/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
514	Lot #48, Sanitary Service on Mesa Top Drive South, 1' below grade.	9/22/21	97	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
515	Lot #48, Sanitary Service on Mesa Top Drive South, at grade.	9/22/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
516	Lot #46, Sanitary Service on Mesa Top Drive South, 15' below grade.	9/23/21	99	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
517	Lot #46, Sanitary Service on Mesa Top Drive South, 13' below grade.	9/23/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
518	Lot #46, Sanitary Service on Mesa Top Drive South, 11' below grade.	9/23/21	99	98	6.9	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
519	Lot #47, Sanitary Service on Mesa Top Drive South, 15' below grade.	9/23/21	99	98	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
520	Lot #47, Sanitary Service on Mesa Top Drive South, 13' below grade.	9/23/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
521	Lot #47, Sanitary Service on Mesa Top Drive South, 11' below grade.	9/23/21	98	98	7.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
522	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 15' below grade.	9/23/21	98	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
523	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 13' below grade.	9/23/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
524	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 11' below grade.	9/23/21	98	98	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
525	Manhole #3 on Mesa Top Drive South, 1' north, 15' below grade.	9/23/21	99	98	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
526	Manhole #3 on Mesa Top Drive South, 1' south, 13' below grade.	9/23/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
527	Manhole #3 on Mesa Top Drive South, 1' west, 11' below grade.	9/23/21	99	98	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
528	Manhole #3 on Mesa Top Drive South, 2' west, 5' below grade.	9/23/21	96	95	5.8	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
529	Manhole #3 on Mesa Top Drive South, 2' south, 3' below grade.	9/23/21	96	95	7.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
530	Manhole #3 on Mesa Top Drive South, 2' north, 1' below grade.	9/23/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
531	Manhole #3 on Mesa Top Drive South, 2' east, at grade.	9/23/21	96	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
532	Lot #46, Sanitary Service on Mesa Top Drive South, 9' below grade.	9/24/21	97	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
533	Lot #46, Sanitary Service on Mesa Top Drive South, 7' below grade.	9/24/21	97	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
534	Lot #46, Sanitary Service on Mesa Top Drive South, 5' below grade.	9/24/21	96	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
535	Lot #47, Sanitary Service on Mesa Top Drive South, 9' below grade.	9/24/21	97	95	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
536	Lot #47, Sanitary Service on Mesa Top Drive South, 7' below grade.	9/24/21	96	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
537	Lot #47, Sanitary Service on Mesa Top Drive South, 5' below grade.	9/24/21	97	95	8.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
538	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 10' below grade.	9/24/21	99	98	6.9	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
539	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 8' below grade.	9/24/21	95	95	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
540	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 6' below grade.	9/24/21	96	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
541	Manhole #3 on Mesa Top Drive South, 1' east, 10' below grade.	9/24/21	99	98	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
542	Manhole #3 on Mesa Top Drive South, 1' north, 8' below grade.	9/24/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
543	Manhole #3 on Mesa Top Drive South, 1' east, 7' below grade.	9/24/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
544	Lot #46, Sanitary Service on Mesa Top Drive South, 3' below grade.	9/25/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
545	Lot #46, Sanitary Service on Mesa Top Drive South, 1' below grade.	9/25/21	97	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
546	Lot #46, Sanitary Service on Mesa Top Drive South, at grade.	9/25/21	97	95	6.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
547	Lot #47, Sanitary Service on Mesa Top Drive South, 3' below grade.	9/25/21	97	95	8.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
548	Lot #47, Sanitary Service on Mesa Top Drive South, 1' below grade.	9/25/21	95	95	9.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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549	Lot #47, Sanitary Service on Mesa Top Drive South, at grade.	9/25/21	96	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
550	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 4' below grade.	9/25/21	97	95	7.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
551	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 2' below grade.	9/25/21	97	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
552	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, 1' below grade.	9/25/21	97	95	6.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
553	Sanitary Sewer Main - Station # 11 + 00, on Mesa Top Drive South, at grade.	9/25/21	96	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
554	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 14' below grade.	9/27/21	98	98	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
555	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 12' below grade.	9/27/21	98	98	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
556	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 10' below grade.	9/27/21	99	98	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
557	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 11' north, 16' below grade.	9/27/21	98	98	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
558	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' south, 14' below grade.	9/27/21	98	98	8.3	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
559	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' west, 12' below grade.	9/27/21	99	98	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
560	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' east, 10' below grade.	9/27/21	99	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
561	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' north, 11' below grade.	9/27/21	99	98	7.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
562	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' south, 9' below grade.	9/27/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
563	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 8' below grade.	9/28/21	97	95	6.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
564	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 6' below grade.	9/28/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
565	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 4' below grade.	9/28/21	96	95	6.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
566	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, 2' below grade.	9/28/21	95	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
567	Sanitary Sewer Main - Station 4 + 00, on Mesa Top Drive South, at grade.	9/28/21	98	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
568	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' north, 8' below grade.	9/28/21	98	95	7.3	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
569	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' south, 6' below grade.	9/28/21	96	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
570	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' east, 4' below grade.	9/28/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
571	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' east, 7' below grade.	9/28/21	97	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
572	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' west, 5' below grade.	9/28/21	95	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
573	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' west, 2' below grade.	9/29/21	95	95	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
574	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' north, 1' below grade.	9/29/21	96	95	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
575	Sanitary Sewer Main - Manhole #1 on Mesa Top Drive South, 1' west, at grade.	9/29/21	97	95	9.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
576	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' north, 3' below grade.	9/29/21	97	95	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
577	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' west, 1' below grade.	9/29/21	96	95	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
578	Sanitary Sewer Main - Manhole #2 on Mesa Top Drive South, 1' south, at grade.	9/29/21	99	95	8.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Subject: Sanitary Sewer	Report Date: 12-23-2021	T = AASHTO, T-180

Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
579	Sanitary Service to Lot #38, on Mesa Top Drive South, 12' below grade.	9/30/21	99	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
580	Sanitary Service to Lot #38, on Mesa Top Drive South, 10' below grade.	9/30/21	99	98	6.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
581	Sanitary Service to Lot #38, on Mesa Top Drive South, 8' below grade.	9/30/21	98	95	6.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
582	Sanitary Service to Lot #39, on Mesa Top Drive South, 12' below grade.	9/30/21	98	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
583	Sanitary Service to Lot #39, on Mesa Top Drive South, 10' below grade.	9/30/21	98	98	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
584	Sanitary Service to Lot #39, on Mesa Top Drive South, 8' below grade.	9/30/21	96	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
585	Sanitary Service to Lot #40, on Mesa Top Drive South, 12' below grade.	9/30/21	99	98	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
586	Sanitary Service to Lot #40, on Mesa Top Drive South, 10' below grade.	9/30/21	98	98	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
587	Sanitary Service to Lot #40, on Mesa Top Drive South, 8' below grade.	9/30/21	98	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
588	Sanitary Service to Lot #38, on Mesa Top Drive South, 6' below grade.	10/1/21	97	95	8.2	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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 <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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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	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 12-23-2021	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
589	Sanitary Service to Lot #38, on Mesa Top Drive South, 4' below grade.	10/1/21	96	95	7.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
590	Sanitary Service to Lot #39, on Mesa Top Drive South, 6' below grade.	10/1/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
591	Sanitary Service to Lot #39, on Mesa Top Drive South, 4' below grade.	10/1/21	95	95	7.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
592	Sanitary Service to Lot #40, on Mesa Top Drive South, 6' below grade.	10/1/21	97	95	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
593	Sanitary Service to Lot #40, on Mesa Top Drive South, 4' below grade.	10/1/21	97	95	6.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
594	Sanitary Service to Lot #38, on Mesa Top Drive South, 2' below grade.	10/2/21	95	95	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
595	Sanitary Service to Lot #38, on Mesa Top Drive South, at grade.	10/2/21	96	95	8.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
596	Sanitary Service to Lot #39, on Mesa Top Drive South, 2' below grade.	10/2/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
597	Sanitary Service to Lot #39, on Mesa Top Drive South, at grade.	10/2/21	97	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
598	Sanitary Service to Lot #40, on Mesa Top Drive South, 2' below grade.	10/2/21	97	95	6.2	SM	M - 130.3 @ 7.6	<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
599	Sanitary Service to Lot #40, on Mesa Top Drive South, at grade.	10/2/21	97	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
600	Sanitary Service Manhole #11 on Mesa Top Drive North, 14' below grade.	10/4/21	99	98	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
601	Sanitary Service Manhole #11 on Mesa Top Drive North, 12' below grade.	10/4/21	98	98	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
602	Sanitary Service Manhole #11 on Mesa Top Drive North, 10' below grade.	10/4/21	98	98	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
603	Sanitary Service Manhole #11 on Mesa Top Drive North, 8' below grade.	10/4/21	97	95	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
604	Sanitary Service Manhole #11 on Mesa Top Drive North, 6' below grade.	10/4/21	95	95	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
605	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 12' below grade.	10/4/21	99	98	7.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
606	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 10' below grade.	10/4/21	98	98	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
607	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 8' below grade.	10/4/21	98	95	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
608	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 6' below grade.	10/4/21	96	95	9.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

Comments:

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Project: Forest Lakes Residential Development, Filing 6	Tested By: J. Claton	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 12-23-2021	T = AASHTO, T-180

Test Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
609	Station #23 + 50 on Mesa Top Drive North, 11' below grade.	10/4/21	98	98	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
610	Station #23 + 50 on Mesa Top Drive North, 9' below grade.	10/4/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
611	Station #23 + 50 on Mesa Top Drive North, 7' below grade.	10/4/21	95	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
612	Sanitary Service Manhole #11 on Mesa Top Drive North, 4' below grade.	10/5/21	97	95	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
613	Sanitary Service Manhole #11 on Mesa Top Drive North, 2' below grade.	10/5/21	96	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
614	Sanitary Service Manhole #11 on Mesa Top Drive North, at grade.	10/5/21	98	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
615	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 4' below grade.	10/5/21	97	95	8.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
616	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, 2' below grade.	10/5/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
617	Sanitary Main, Station 21 + 10, on Mesa Top Drive North, at grade.	10/5/21	96	95	7.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
618	Station #23 + 50 on Mesa Top Drive North, 5' below grade.	10/5/21	95	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Colorado Springs, CO 80907
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
619	Station #23 + 50 on Mesa Top Drive North, 3' below grade.	10/5/21	97	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
620	Station #23 + 50 on Mesa Top Drive North, 1' below grade.	10/5/21	96	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
621	Station #23 + 50 on Mesa Top Drive North, at grade.	10/5/21	96	95	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
622	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 12' below grade.	10/6/21	99	98	8.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
623	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 10' below grade.	10/6/21	97	95	8.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
624	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 8' below grade.	10/6/21	97	95	6.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
625	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 6' below grade.	10/6/21	96	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
626	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 4' below grade.	10/6/21	97	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
627	Sanitary Sewer Manhole #9 on Mesa Top Drive North, 2' below grade.	10/6/21	96	95	7.6	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
628	Sanitary Sewer Manhole #9 on Mesa Top Drive North, at grade.	10/6/21	96	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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Project: Forest Lakes Residential Development, Filing 6	Tested By: J. Claton	S = standard, ASTM D-698
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Test Test #	Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
629	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 13' below grade.	10/6/21	99	98	7.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
630	Sanitary Main, Station #19 + 00, 12' below grade.	10/7/21	99	95	6.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
631	Sanitary Main, Station #19 + 00, 10' below grade.	10/7/21	98	95	7.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
632	Sanitary Main, Station #19 + 00, 8' below grade.	10/7/21	95	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
633	Sanitary Main, Station #19 + 00, 7' below grade.	10/7/21	96	95	6.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
634	Sanitary Main, Station #19 + 00, 6' below grade.	10/7/21	97	95	5.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
635	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 11' below grade.	10/7/21	98	98	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
636	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 9' below grade.	10/7/21	97	95	6.5	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
637	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 8' below grade.	10/7/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
638	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 6' below grade.	10/7/21	96	95	6.8	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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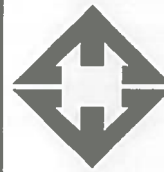
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Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
639	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 5' below grade.	10/7/21	97	95	8.1	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
640	Sanitary Main, Station #19 + 00, 5' below grade.	10/8/21	97	95	5.7	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
641	Sanitary Main, Station #19 + 00, 4' below grade.	10/8/21	96	95	5.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
642	Sanitary Main, Station #19 + 00, 2' below grade.	10/8/21	97	95	6.0	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
643	Sanitary Main, Station #19 + 00, at grade.	10/8/21	97	95	7.2	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
644	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 4' below grade.	10/8/21	96	95	8.4	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
645	Sanitary Sewer Manhole #10 on Mesa Top Drive North, 2' below grade.	10/8/21	96	95	7.9	SM	M - 130.3 @ 7.6	<input type="checkbox"/>
646	Sanitary Main, Station 15 + 00, on Mesa Top Drive North, 15' below grade.	10/11/21	98	98	8.3	SM	M - 130.3 @ 7.6	<input type="checkbox"/>

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