



ENTECH
ENGINEERING, INC.

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

August 9, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Overlot
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 1, Tests 1 – 6

Dear Mr. Waldthausen,

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

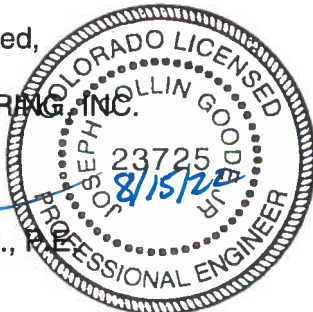
Density testing on this site was performed on July 1, 2022. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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.,
President



JCG/lu

Enclosure


Entech Job No. 221433

F:\AA projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_1cl1.docx

Client: Land First, Inc.	Entech Job #: 221433.1	Proctor Value Key: M = modified, ASTM D-1557
Project: Bent Grass Meadows Drive	Tested By: C. Harris	S = standard, ASTM D-698
Subject: Overlot	Report Date: 08-12-2022	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	Lot # 6, northwest Quadrant of Lot # 6, 1' below grade.	7/1/2022	96	95	9.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
2	Lot # 6, center of Lot # 6, 1' below grade.	7/1/2022	97	95	7.8	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
3	Lot # 5, southeast Quadrant of Lot # 5, at grade.	7/1/2022	95	95	8.4	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
4	Lot # 5, northwest Quadrant of Lot # 5, at grade.	7/1/2022	96	95	7.8	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
5	Southwest Quadrant of Lot # 6, at grade.	7/6/2022	95	95	8.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
6	Lot # 6, southeast Quadrant of Lot # 6, at grade.	7/6/2022	95	95	8.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>

Comments:



ENTECH
ENGINEERING, INC.
505 Elkton Drive
Colorado Springs, CO 80907
(719) 531-5599 • (719) 531-5238 (fax)

FIELD DENSITY RESULTS

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

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

All dimensions are approximate. Cl. = Centerline



ENTECH
ENGINEERING, INC.

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

November 3, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Sanitary Sewer
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 1, Tests 1 – 4

Dear Mr. Waldthausen,

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

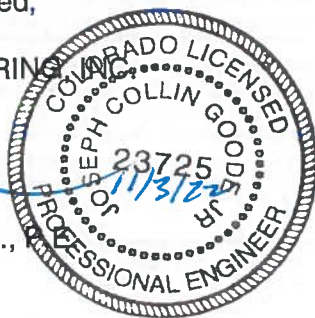
Density testing on this site was performed on October 6 and 7, 2022. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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.,
President



JCG/pb

Enclosure


Entech Job No. 221433

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Client: Land First, Inc.	Entech Job #: 221433.2	Proctor Value Key: M = modified, ASTM D-1557
Project: Bent Grass Meadows Drive	Tested By: D. Brady	S = standard, ASTM D-698
Subject: Sanitary Sewer	Report Date: 11-03-2022	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	Main, Station # 1 + 00, 8' below grade.	10/6/2022	97	95	8.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
2	Main, Station # 1 + 00, 6' below grade.	10/6/2022	99	95	8.4	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
3	Main, Station # 1 + 00, 4' below grade.	10/7/2022	97	95	8.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
4	Main, Station # 1 + 00, 2' below grade.	10/7/2022	96	95	8.3	SM	M - 126.1 @ 8.9	<input type="checkbox"/>

Comments:

Scope of Observation: PERIODIC; CONTRACTOR'S OR CLIENT'S REPRESENTATIVE ADVISED		All dimensions are approximate. Cl. = Centerline	
<div>  ENTECH ENGINEERING, INC. 505 Elkton Drive Colorado Springs, CO 80907 (719) 531-5599 • (719) 531-5238 (fax) </div>		FIELD DENSITY RESULTS	
		<i>Joseph C. Goode, Jr., P.E.</i>	



ENTECH
ENGINEERING, INC.

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

November 11, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Sanitary Sewer
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 2, Tests 5 – 14

Dear Mr. Waldthausen,

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 18 through 26, 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.

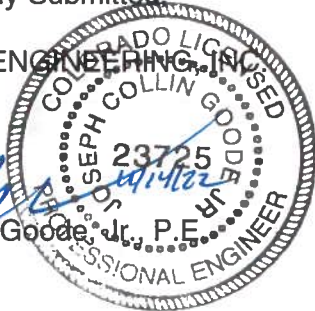
Joseph C. Goode, Jr., P.E.
President

JCG/pb

Enclosure

Entech Job No. 221433

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Client: Land First, Inc.	Entech Job #: 221433.2	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: D. Brady	
Subject: Sanitary Sewer	Report Date: 11-14-2022	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Proctor Pass/Fail
5	Manhole at Station # 1, 6' below grade.	10/18/2022	95	95	8.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
6	Manhole at Station # 1, 4' below grade.	10/18/2022	98	95	8.8	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
7	Manhole at Station # 1, 2' below grade.	10/18/2022	96	95	8.5	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
8	Manhole at Station # 1, at grade.	10/18/2022	97	95	8.3	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
9	Manhole # 2 at Station # 3 + 00, 4' below grade.	10/24/2022	96	95	9.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
10	Manhole # 2 at Station # 3 + 00, 2' below grade.	10/24/2022	98	95	8.7	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
11	Manhole # 2 at Station # 3 + 00, at grade.	10/24/2022	97	95	8.9	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
12	Manhole # 3 at Station # 3 + 00, 4' below grade.	10/26/2022	98	95	8.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
13	Manhole # 3 at Station # 3 + 00, 2' below grade.	10/26/2022	95	95	9.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
14	Manhole # 3 at Station # 3 + 00, at grade.	10/26/2022	95	95	9.1	SM	M - 126.1 @ 8.9	<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>Joseph C. Goode, Jr., P.E.</p>
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ENTECH
ENGINEERING, INC.

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

December 15, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Water
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 3, Tests 7 – 10

Dear Mr. Waldthausen,

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

Density testing on this site was performed on November 30, 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/lu

Enclosure

Entech Job No. 221433

F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_3cl3.docx

Client: Land First, Inc.	Entech Job #: 221433.3	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: D. Brady	
Subject: Water	Report Date: 12-13-2022	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail <input checked="" type="checkbox"/> = Fail
7	Main, Station # 1 + 25, 4' below grade.	11/30/2022	98	95	9.7	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
8	Main, Station # 1 + 25, 2' below grade.	11/30/2022	97	95	9.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
9	Main, Station # 1 + 25, at grade.	11/30/2022	100	95	8.9	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
10	Main, Station # 1 + 75, at grade.	11/30/2022	96	95	9.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>

Comments:

The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted.

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

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505 Elkon Drive
Colorado Springs, CO 80907
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FIELD DENSITY RESULTS

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



ENTECH
ENGINEERING, INC.

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

January 13, 2023

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Water
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 4, Tests 11 – 16

Dear Mr. Waldthausen,

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

Density testing on this site was performed on January 6, 2023. 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/pb

Enclosure

Entech Job No. 221433

F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_3cl4.docx


Client: Land First, Inc.	Entech Job #: 221433.3	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: D. Brady	
Subject: Water	Report Date: 01-18-2023	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
11	Service to Lot # 1, at grade.	1/6/2023	97	95	8.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
12	Service to Lot # 2, at grade.	1/6/2023	99	95	8.9	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
13	Service to Lot # 3, at grade.	1/6/2023	95	95	8.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
14	Service to Lot # 4, at grade.	1/6/2023	96	95	8.7	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
15	Service to Lot # 5, at grade.	1/6/2023	98	95	8.9	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
16	Service to Lot # 6, at grade.	1/6/2023	98	95	9.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>

Comments:

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

All dimensions are approximate. Cl. = Centerline

 ENTECH ENGINEERING, INC. 505 Elkton Drive Colorado Springs, CO 80907 (719) 531-5599 • (719) 531-5238 (fax)	FIELD DENSITY RESULTS	<i>Joseph C. Goode, Jr., P.E.</i>
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ENTECH
ENGINEERING, INC.

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

December 5, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Water
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 2, Tests 3 – 6

Dear Mr. Waldthausen,

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

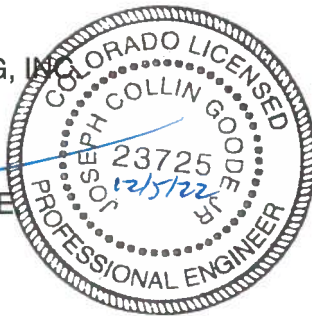
Density testing on this site was performed on November 23, 2022. The density testing indicates that the materials have been adequately compacted at the depths and in the locations noted. Results of the density tests are enclosed with this letter.

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. 221433

F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_3cl2.docx

Client: Land First, Inc.	Entech Job #: 221433.3	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: D. Brady	
Subject: Water	Report Date: 12-05-2022	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
3	Main, Station # 3 + 50, 6' below grade.	11/23/2022	95	95	8.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
4	Main, Station # 3 + 50, 4' below grade.	11/23/2022	97	95	8.9	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
5	Main, Station # 3 + 50, 2' below grade.	11/23/2022	95	95	8.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
6	Main, Station # 3 + 50, at grade.	11/23/2022	99	95	8.3	SM	M - 126.1 @ 8.9	<input type="checkbox"/>

Comments:

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

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ENTECH
ENGINEERING, INC.
505 Elkton Drive
Colorado Springs, CO 80907
(719) 531-5599 • (719) 531-5238 (fax)

FIELD DENSITY RESULTS

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



ENTECH
ENGINEERING, INC.

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

December 15, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO, 80921

Attn: Ronald Waldthausen

Re: Density Testing – Water
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 4, Tests 1 – 2

Dear Mr. Waldthausen,

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

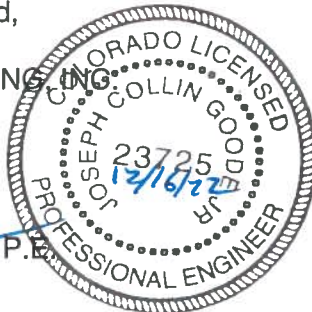
Density testing at this site was performed on November 7, 2022. The density testing indicates that the materials at the depth and location noted for Test Nos. 1 and 2 did not meet the minimum compaction requirements. It is our understanding that the failed test locations will be re-compacted and tested at a later date. 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/lu

Enclosure

Entech Job No. 221433

F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_3cl4.docx


Client: Land First, Inc.	Entech Job #: 221433.3	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: G. McLaughlin	
Subject: Water	Report Date: 12-14-2022	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	30' north and 20' west of Station # 6 + 75, at grade.	11/7/2022	86	95	7.6	SM	M - 126.1 @ 8.9	<input checked="" type="checkbox"/>
2	20' south and 20' west of Station # 6 + 75, at grade.	11/7/2022	89	95	7.6	SM	M - 126.1 @ 8.9	<input checked="" type="checkbox"/>

Comments:

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

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ENTECH
 ENGINEERING, INC.
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 Colorado Springs, CO 80907
 (719) 531-5599 • (719) 531-5238 (fax)

FIELD DENSITY RESULTS

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



ENTECH
ENGINEERING, INC.

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

March 22, 2023

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO 80921

Attn: Ronald Waldthausen

Re: Density Testing – Gas
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 1, Tests 1 – 3

Dear Mr. Waldthausen,

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

Density testing on this site was performed on March 14, 2023. 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/khs

Enclosure

Entech Job No. 221433

F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_5cl1.docx


Client:	Land First, Inc.	Entech Job #:	221433.5	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project:	Bent Grass Meadows Drive	Tested By:	D. Brady	
Subject:	Gas	Report Date:	03-22-2023	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	Service, 11617 Meridian Park Drive, at grade.	3/14/2023	96	95	7.1	SM	M - 128.4 @ 8.5	<input type="checkbox"/>
2	Service, 11659 Meridian Park Drive, at grade.	3/14/2023	95	95	7.6	SM	M - 128.4 @ 8.5	<input type="checkbox"/>
3	Main, 40' south and 3' west of the northeast corner of the intersection of Bent Grass Meadows Drive and Meridian Park Drive, at grade.	3/14/2023	95	95	7.3	SM	M - 128.4 @ 8.5	<input type="checkbox"/>

Comments:

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

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ENTECH
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505 Elkton Drive
Colorado Springs, CO 80907
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FIELD DENSITY RESULTS

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ENTECH
ENGINEERING, INC.

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

March 31, 2023

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO 80921

Attn: Ronald Waldthausen

Re: Density Testing – Gas
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 2, Tests 4 – 7

Dear Mr. Waldthausen,

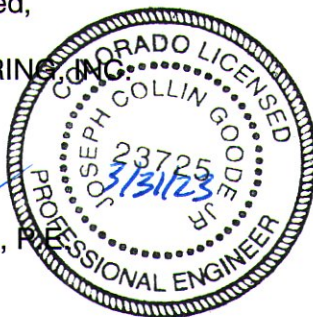
As requested, personnel of Entech Engineering, Inc. have performed density testing at the above referenced site.

Density testing on this site was performed on March 8, 2023. 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/khs

Enclosure

Entech Job No. 221433


F:\AA Projects\2022\221433-Land First-Bentgrass Commercial-110-ConMat\221433_5cl2.docx

Client: Land First, Inc.	Entech Job #: 221433.5	Proctor Value Key: M = modified, ASTM D-1557 S = standard, ASTM D-698 T = AASHTO, T-180
Project: Bent Grass Meadows Drive	Tested By: D. Brady	
Subject: Gas	Report Date: 03-30-2023	

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
4	Service, 11716 Bent Grass Meadows Drive, at grade.	3/8/2023	95	95	9.2	SM	M - 128.4 @ 8.5	<input type="checkbox"/>
5	Service, 11694 Bent Grass Meadows Drive, at grade.	3/8/2023	97	95	9.1	SM	M - 128.4 @ 8.5	<input type="checkbox"/>
6	Main, 10' south and 25' west of the northeast corner of 11716 Bent Grass Meadows Drive, at grade.	3/8/2023	95	95	8.9	SM	M - 128.4 @ 8.5	<input type="checkbox"/>
7	Main, 10' south and 35' west of the northeast corner of 11716 Bent Grass Meadows Drive, at grade.	3/8/2023	96	95	9.2	SM	M - 128.4 @ 8.5	<input type="checkbox"/>

Comments:

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



ENTECH
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FIELD DENSITY RESULTS

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

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ENTECH
ENGINEERING, INC.

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

August 10, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO. 80921

Attn: Ronald Waldthausen

Re: Density Testing – Structural Fill
Bent Grass Meadows Drive
Colorado Springs, Colorado
Report No. 1, Tests 1 - 6

Dear Mr. Waldthausen,

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

Density testing on this site was performed on June 27 and 28, 2022. The testing was performed on structural fill placed in the excavation. The density testing indicates that the structural fill placed at the depths and locations noted has been adequately compacted. Results of the density tests are attached with this letter.

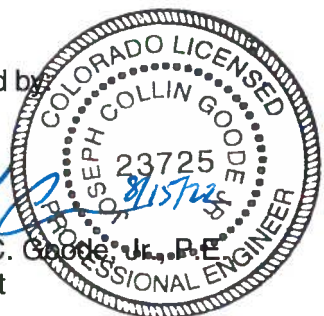
We trust that this has provided you with the information you required. Should you have any questions or need further information, please do not hesitate to contact us.

Respectfully submitted,

ENTECH ENGINEERING, INC.

Reviewed by


Daniel P. Stegman


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

DPS/pb

Enclosure

Entech Job No. 221433

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Client: Land First, Inc.	Entech Job #: 221433	Proctor Value Key: M = modified, ASTM D-1557
Project: Bent Grass Meadows Drive	Tested By: D. Brady	S = standard, ASTM D-698
Subject: Structural Fill	Report Date: 08-12-2022	T = AASHTO, T-180

Test #	Test Location	Testing Date	Percent Compaction	Percent Required	Percent Moisture	Soil Type	Proctor Type/Value	Pass/Fail
1	30' south, 20' west off the northeast corner of lot, 2" below grade.	6/27/2022	96	95	8.6	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
2	30' south, 150' west off the northeast corner of lot, 2" below grade.	6/27/2022	98	95	8.8	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
3	30' south, 250' west off the northeast corner of lot, 2" below grade.	6/27/2022	95	95	7.3	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
4	30' south, 40' west off the northeast corner of lot, at grade.	6/28/2022	97	95	8.1	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
5	40' south, 180' west off the northeast corner of lot, at grade.	6/28/2022	99	95	8.2	SM	M - 126.1 @ 8.9	<input type="checkbox"/>
6	40' south, 260' west off the northeast corner of lot, at grade.	6/28/2022	97	95	8.4	SM	M - 126.1 @ 8.9	<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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ENTECH
ENGINEERING, INC.

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

June 30, 2022

Land First, Inc.
1378 Promontory Bluff View
Colorado Springs, CO. 80921

Attn: Ronald Waldthausen

Re: Moisture Density Relation Curve
Bent Grass Meadows Drive
Colorado Springs, Colorado
Proctors No. 1 - 2

Dear Mr. Waldthausen,

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

Moisture density relation testing on this site was performed on June 23, 2022. Results of the moisture density relation curve 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

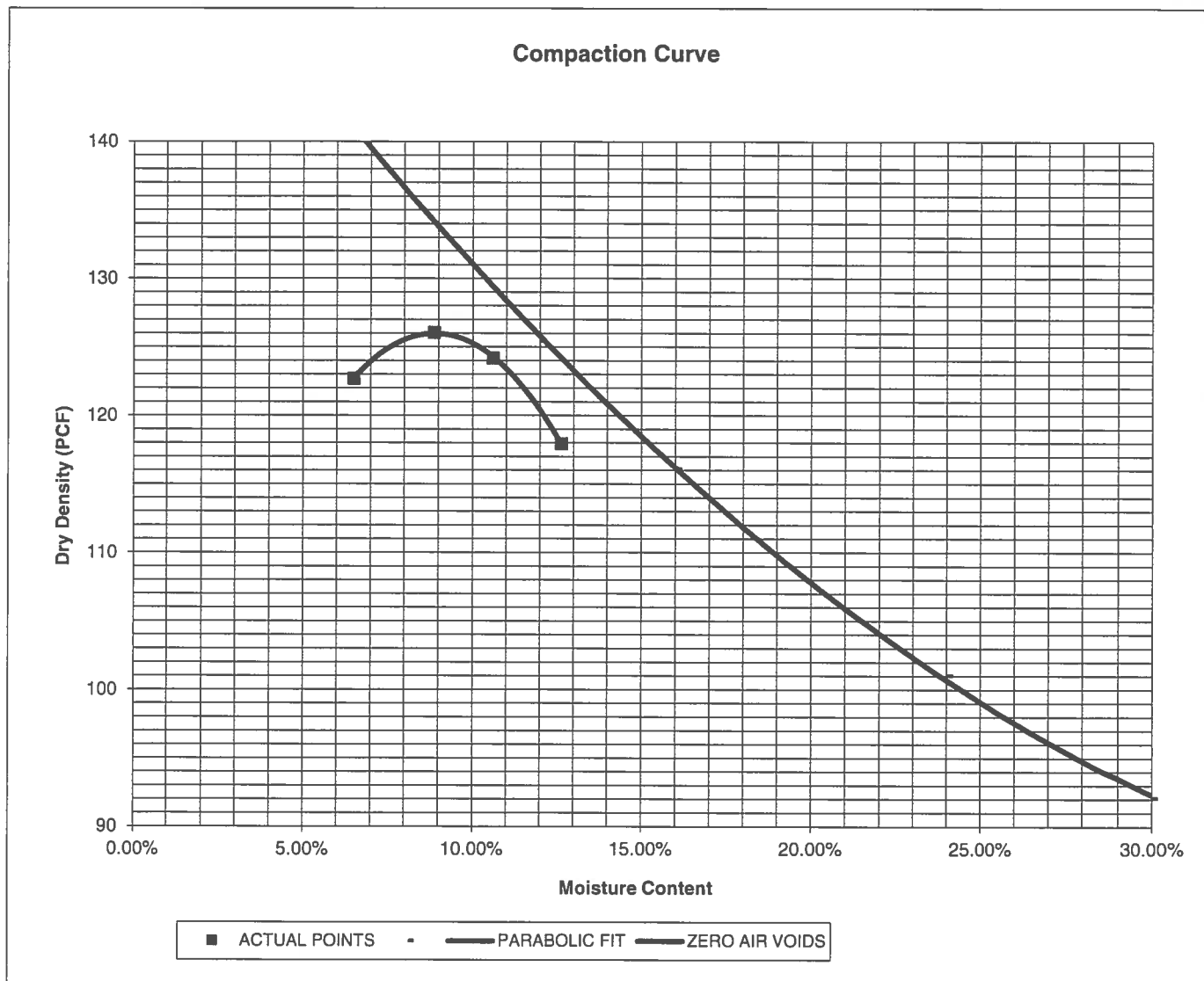
Enclosure

Entech Job No. 221433

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<u>PROJECT</u>	BENT GRASS COMMERCIAL	<u>CLIENT</u>	GORDON CONSTRUCTION
<u>SAMPLE LOCATION</u>	NE CORNER OF LOT	<u>JOB NO.</u>	221433
<u>SOIL DESCRIPTION</u>	SAND, SILTY, TAN	<u>DATE</u>	06/23/22

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	1
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	AL
<u>MAXIMUM DRY DENSITY (PCF)</u>	126.1	<u>OPTIMUM MOISTURE</u>	8.9%



**ENTECH
ENGINEERING, INC.**

505 ELKTON DRIVE
COLORADO SPRINGS, COLORADO 80907

MOISTURE DENSITY RELATION

DRAWN:

DATE:

CHECKED:

DATE:

JOB NO.:

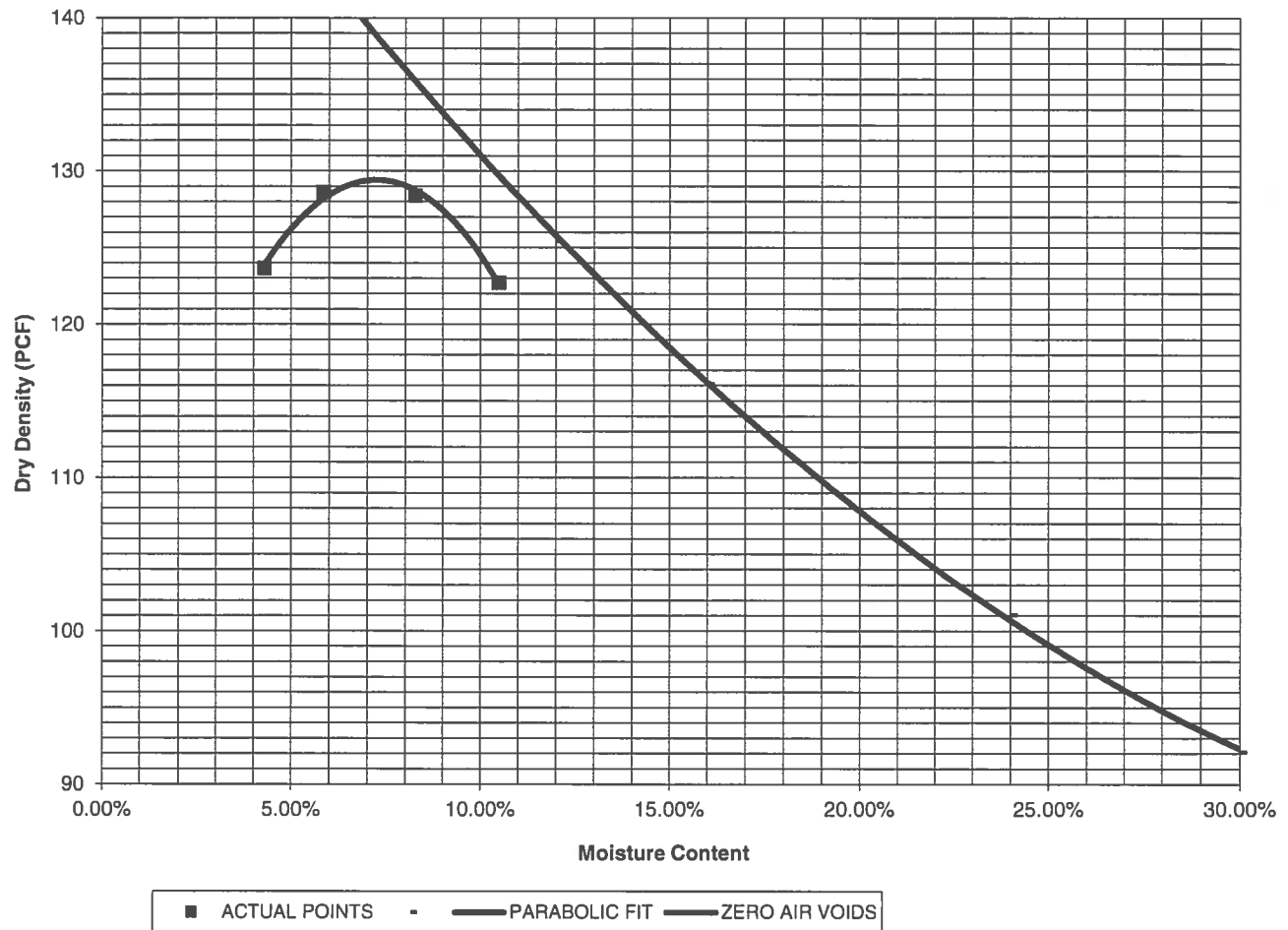
221433

FIG NO.:

<u>PROJECT</u>	BENT GRASS COMMERCIAL	<u>CLIENT</u>	GORDON CONSTRUCTION
<u>SAMPLE LOCATION</u>	SW CORNER OF LOT	<u>JOB NO.</u>	221433
<u>SOIL DESCRIPTION</u>	SAND, SILTY, BROWN	<u>DATE</u>	06/23/22

<u>IDENTIFICATION</u>	SM	<u>PROCTOR TEST #</u>	2
<u>TEST DESIGNATION / METHOD</u>	ASTM D-1557-A	<u>TEST BY</u>	BC
<u>MAXIMUM DRY DENSITY (PCF)</u>	129.3	<u>OPTIMUM MOISTURE</u>	7.2%

Compaction Curve



**ENTECH
ENGINEERING, INC.**

505 ELKTON DRIVE
COLORADO SPRINGS, COLORADO 80907

MOISTURE DENSITY RELATION

DRAWN:

DATE:

CHECKED:

DATE:

JOB NO.:

221433

FIG NO.: