

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: A4201271.0001
Service Date: 12/01/20
Report Date: 12/04/20 Revision 1 - add Location

10400 State Highway 191
Midland, TX 79707-1497
432-684-9600

Client

The Fields Edge Inc
Attn: John-Mark Echols
PO Box 50068
Midland, TX 79710

Project

The Field's Edge Inc., Waterline Improvements, Midland, TX
6701 Cholla Road
Midland, TX

Project Number: A4201271

Material Information

Source of Material: Client
Proposed Use: Fill

Sample Information

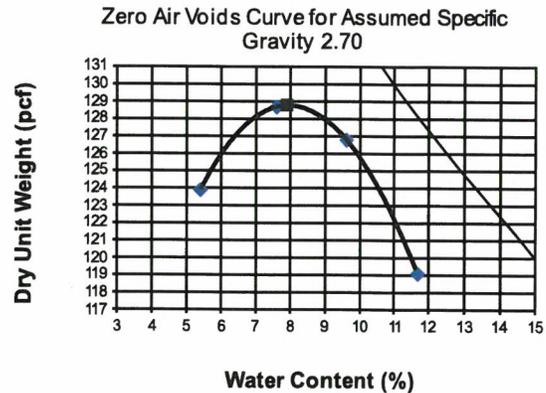
Sample Date: 11/25/20
Sampled By: Contractor
Sample Location: Sample #1 Station 10 + 00 South of Cholla Road (Section A)
Sample Description: Brown Silty Sand (SM)

Laboratory Test Data

Test Procedure: ASTM D1557
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 128.8
Optimum Water Content (%): 7.9

	<u>Result</u>	<u>Specifications</u>
Liquid Limit:	Non-plastic	
Plastic Limit:	Non-plastic	
Plasticity Index:	Non-plastic	
In-Place Moisture (%):		

USCS:



Comments:

Services: Obtain a sample of fill material from the project site and return it to the laboratory. Prepare and test the sample for moisture-density relation and Atterberg limits.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

(1) The Fields Edge Inc, John-Mark Echols

Reviewed By: _____

David Reaves
Senior Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D1557, ASTM D4318

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: A4201271.0003

Service Date: 12/01/20

Report Date: 12/04/20

10400 State Highway 191

Midland, TX 79707-1497

432-684-9600

Client

The Fields Edge Inc
Attn: John-Mark Echols
PO Box 50068
Midland, TX 79710

Project

The Field's Edge Inc., Waterline Improvements, Midland, TX
6701 Cholla Road
Midland, TX

Project Number: A4201271

Material Information

Source of Material: Client
Proposed Use: Fill

Sample Information

Sample Date: 11/25/20
Sampled By: Contractor
Sample Location: Sample #2 Station 2+50

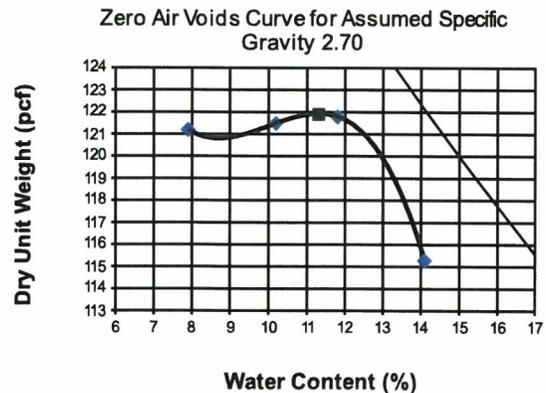
Sample Description: Brown Clayey Sand (SC) South of Cholla Road

Laboratory Test Data

Test Procedure: ASTM D1557
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 121.9
Optimum Water Content (%): 11.3

	Result	Specifications
Liquid Limit:	28	
Plastic Limit:	15	
Plasticity Index:	13	
In-Place Moisture (%):		

USCS:



Comments:

Services: Obtain a sample of fill material from the project site and return it to the laboratory. Prepare and test the sample for moisture-density relation and Atterberg limits.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

(1) The Fields Edge Inc, John-Mark Echols

Reviewed By:

David Reaves
Senior Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D1557, ASTM D4318

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: A4201271.0005

Service Date: 12/01/20

Report Date: 12/04/20

10400 State Highway 191

Midland, TX 79707-1497

432-684-9600

Client

The Fields Edge Inc
Attn: John-Mark Echols
PO Box 50068
Midland, TX 79710

Project

The Field's Edge Inc., Waterline Improvements, Midland, TX
6701 Cholla Road
Midland, TX

Project Number: A4201271

Material Information

Source of Material: Client
Proposed Use: Fill

Sample Information

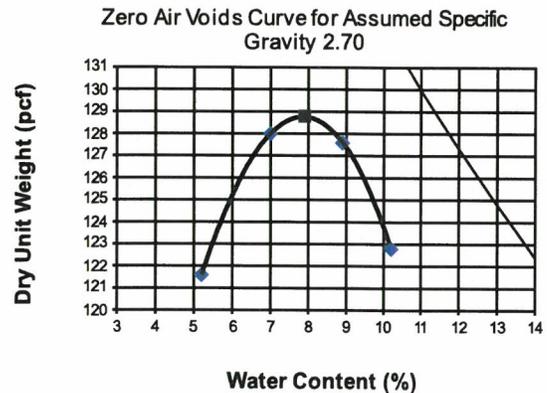
Sample Date: 11/25/20
Sampled By: Contractor
Sample Location: Sample #3 Station 10+00 Cholla Road
(Right of Way)
Sample Description: Brown Clayey Sand (SC)

Laboratory Test Data

Test Procedure: ASTM D1557
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 128.8
Optimum Water Content (%): 7.9

	Result	Specifications
Liquid Limit:	26	
Plastic Limit:	14	
Plasticity Index:	12	
In-Place Moisture (%):		

USCS:



Comments:

Services: Obtain a sample of fill material from the project site and return it to the laboratory. Prepare and test the sample for moisture-density relation and Atterberg limits.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

(1) The Fields Edge Inc, John-Mark Echols

Reviewed By:

David Reaves
Senior Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D1557, ASTM D4318

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: A4201271.0007

Service Date: 12/01/20

Report Date: 12/07/20

10400 State Highway 191

Midland, TX 79707-1497

432-684-9600

Client

The Fields Edge Inc
Attn: John-Mark Echols
PO Box 50068
Midland, TX 79710

Project

The Field's Edge Inc., Waterline Improvements, Midland, TX
6701 Cholla Road
Midland, TX

Project Number: A4201271

Material Information

Source of Material: Client
Proposed Use: Fill

Sample Information

Sample Date: 11/25/20
Sampled By: Contractor
Sample Location: Sample #4 Station 21+00

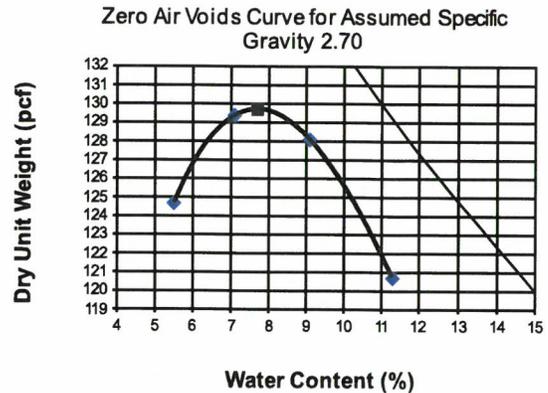
Sample Description: Red to Brown Clayey Sand (SC)

Laboratory Test Data

Test Procedure: ASTM D1557
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 129.7
Optimum Water Content (%): 7.7

	Result	Specifications
Liquid Limit:	24	
Plastic Limit:	14	
Plasticity Index:	10	
In-Place Moisture (%):		

USCS:



Comments:

Services: Obtain a sample of fill material from the project site and return it to the laboratory. Prepare and test the sample for moisture-density relation and Atterberg limits.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

(1) The Fields Edge Inc, John-Mark Echols

Reviewed By:

David Reaves
Senior Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D1557, ASTM D4318

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT



Report Number: A4211077.0001

Service Date: 04/20/21

Report Date: 04/22/21

10400 State Highway 191

Midland, TX 79707-1497

432-684-9600

Client

The Fields Edge Inc
Attn: John-Mark Echols
PO Box 50068
Midland, TX 79710

Project

The Field's Edge, Inc. Community Hall and Bath-Kitchen, Mildand,
6701 Cholla Road
Midland, TX

Project Number: A4211077

Material Information

Source of Material: Client
Proposed Use: Fill

Sample Information

Sample Date: 04/19/21
Sampled By: No PM Assigned
Sample Location: Client

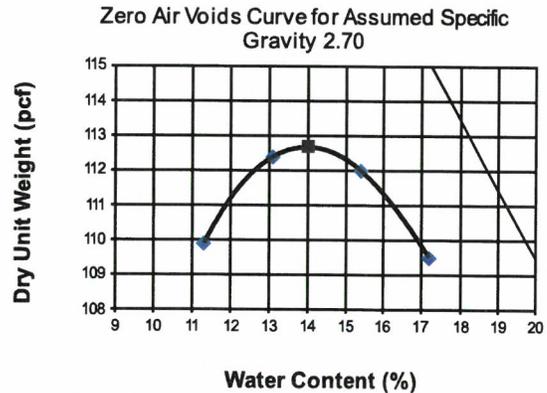
Sample Description: Tan Clayey Sand with Gravel (SC)

Laboratory Test Data

Test Procedure: ASTM D1557
Test Method: Method C
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 112.7
Optimum Water Content (%): 14.0

	Result	Specifications
Liquid Limit:	37	
Plastic Limit:	24	
Plasticity Index:	13	
In-Place Moisture (%):		

USCS:



Comments:

Services: Obtain a sample of fill material from the project site and return it to the laboratory. Prepare and test the sample for moisture-density relation and Atterberg limits.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

- (1) The Fields Edge Inc, John-Mark Echols
- (1) The Fields Edge Inc, Ashley Coco
- (1) The Fields Edge Inc, Ben Sanchez
- (1) The Fields Edge Inc, Brett Hazenstab
- (1) The Fields Edge Inc, Ross Groening

Reviewed By:

David Reaves
Senior Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D1557, ASTM D4318

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

PARTICLE SIZE DISTRIBUTION REPORT

Report Number: A4211077.0002
 Service Date: 04/20/21
 Report Date: 04/22/21
 Task:



10400 State Highway 191
 Midland, TX 79707-1497
 432-684-9600

Client The Fields Edge Inc Attn: John-Mark Echols PO Box 50068 Midland, TX 79710	Project The Field's Edge, Inc. Community Hall and Bath-Kitchen, Mild 6701 Cholla Road Midland, TX Project Number: A4211077
---	---

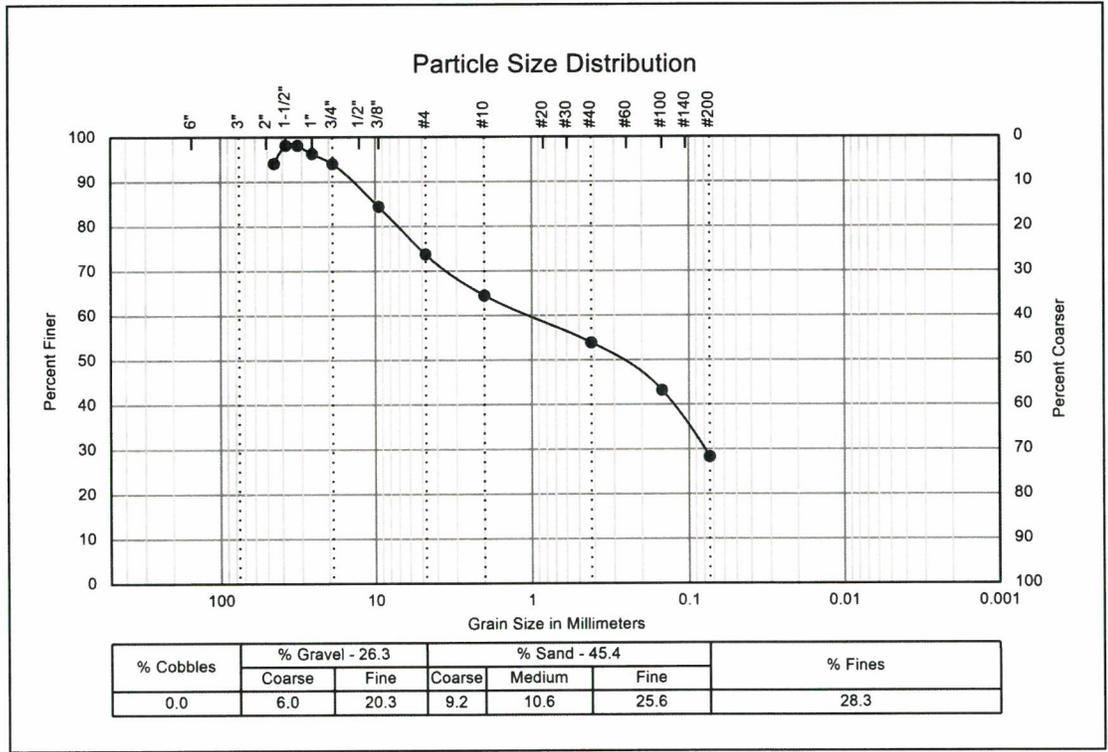
Sample Information

Sample Type: Bulk
 Sample Location: Client
 Sample Description: Tan Clayey Sand with Gravel (SC)
 USCS: Clayey sand with gravel (SC)

Laboratory Test Data

Test Method: ASTM C117
 Method: A
 Atterberg Limits: LL - 37, PL - 24, PI - 13
 Sample Preparation: Oven Dried
 Sieving Method: Single Sieve-Set Sieving

Sieve Size	Percent Retained	Spec.*	Pass (X=Fail)
1-3/4"	6		
1-1/2"	2		
1-1/4"	2		
1"	4		
3/4"	6		
3/8"	16		
#4	26		
#10	36		
#40	46		
#100	57		
#200	72		



D ₆₀ = 1.06	D ₃₀ = 0.08	D ₁₀ =	C _c =	C _u =	FM =
------------------------	------------------------	-------------------	------------------	------------------	------

Comments:

Services: Tests for Moisture Content (ASTM D2216), Gradation (ASTM C136) and % Passing #200 (ASTM C117) were performed. ASTM C33 Gradation requirements were used.

Terracon Rep.: Eddie Hall

Reported To:

Contractor:

Report Distribution:

- | | |
|---|--|
| (1) The Fields Edge Inc, John-Mark Echols | (1) The Fields Edge Inc, Ashley Coco |
| (1) The Fields Edge Inc, Ben Sanchez | (1) The Fields Edge Inc, Brett Hazenstab |
| (1) The Fields Edge Inc, Ross Groening | |

Reviewed By:

David Reaves
 Senior Project Manager

Test Methods:

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.