



R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

Sheridan Corporation

P.O. Box 359

Fairfield, ME 04937-0359

Date: July 15, 2016	Project No.: 0259-145
Attention: Gilbert D. Thibeau II (Gthibeau@sheridancorp.com)	
Re: Laboratory Testing 161003 Safelite AutoGlass Addition Portland, Maine	

We are sending you attached Laboratory Test Results.

Laboratory No. (s)

Test (s) Performed

14159 EEI Foundation Backfill

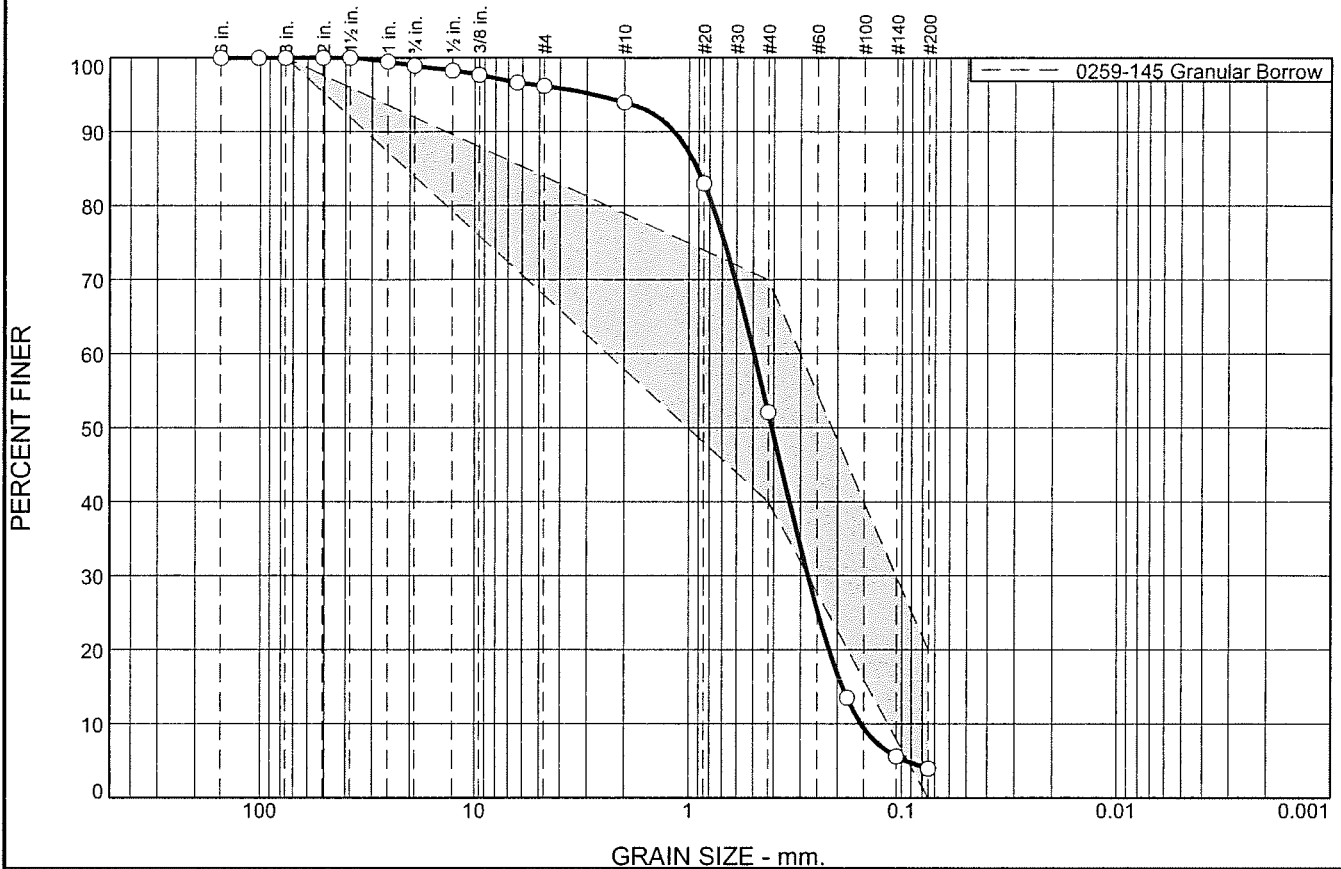
Washed Gradation, MD

Remarks:

Copy to: Dana Sturtevant (dsturtevant@sheridancorp.com)

If enclosures are not noted, kindly notify us at once.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	1.0	2.8	2.2	41.9	48.1	4.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
6"	100.0		
4"	100.0		
3"	100.0	100.0	
2"	100.0		
1 1/2"	100.0		
1"	99.5		
3/4"	99.0		
1/2"	98.3		
3/8"	97.7		
1/4"	96.7		
#4	96.2		
#10	94.0		
#20	83.0		
#40	52.1	40.0 - 70.0	
#80	13.6		
#140	5.7		
#200	4.0	0.0 - 20.0	

Soil Description

Foundation Backfill-poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 1.1685 D₈₅= 0.9108 D₆₀= 0.4948
D₅₀= 0.4084 D₃₀= 0.2758 D₁₅= 0.1891
D₁₀= 0.1541 C_u= 3.21 C_c= 1.00

Classification

USCS= SP AASHTO= A-3

Remarks

Moisture Content: 1.9%

* 0259-145 Granular Borrow

Location: Stockpile: Portland, ME
Sample Number: 14159

Date: 7/7/16

**R.W. Gillespie
& Associates, Inc.
Saco, Maine**

Client: Sheridan Corporation
Project: Safelite Auto Glass

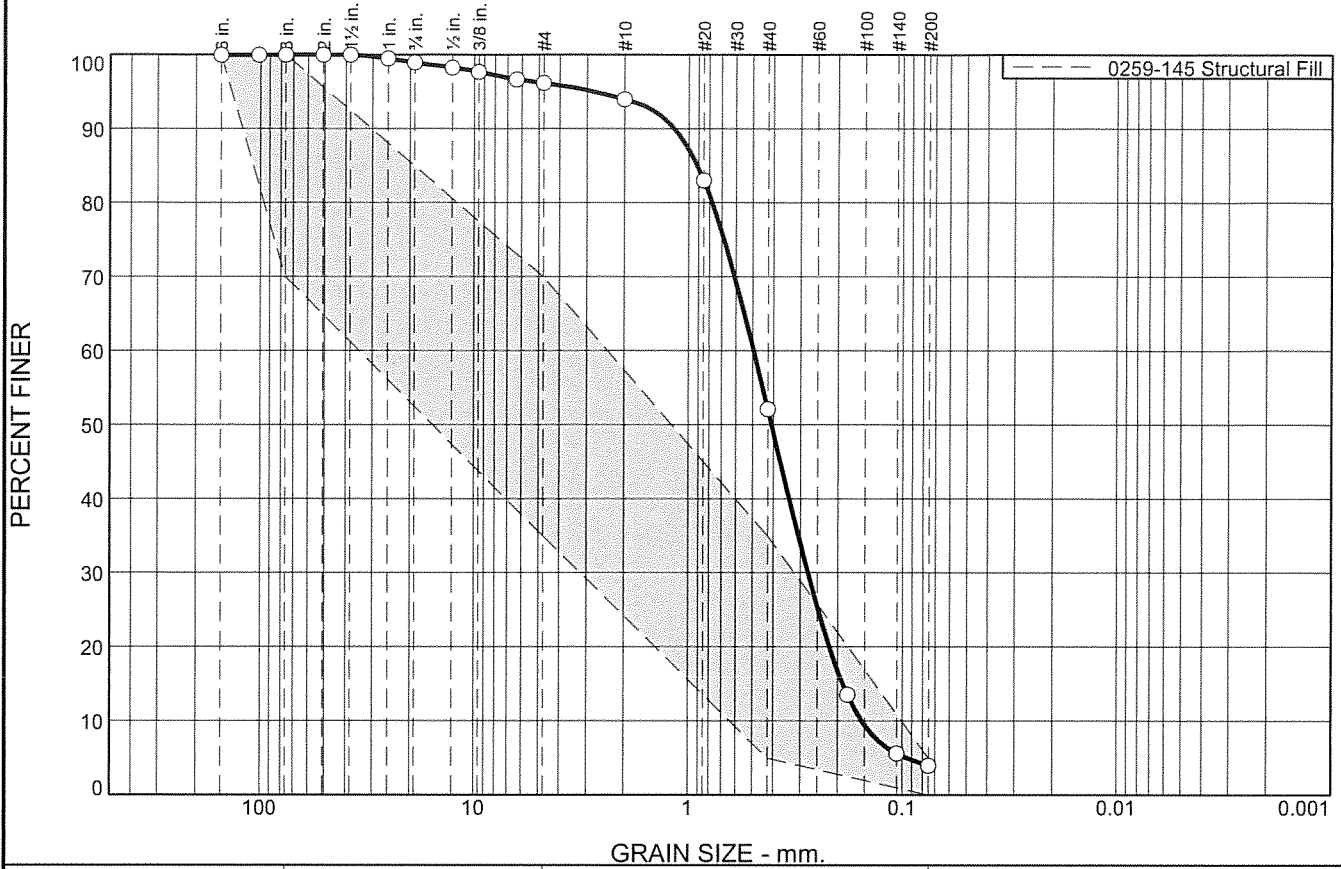
Project No: 0259-145

Lab No. 14159

Tested By: ZTG

Checked By: MTG

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	1.0	2.8	2.2	41.9	48.1	4.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
6"	100.0	100.0	
4"	100.0		
3"	100.0	70.0 - 100.0	
2"	100.0		
1 1/2"	100.0		
1"	99.5		
3/4"	99.0		
1/2"	98.3		
3/8"	97.7		
1/4"	96.7		
#4	96.2	35.0 - 70.0	X
#10	94.0		
#20	83.0		
#40	52.1	5.0 - 35.0	X
#80	13.6		
#140	5.7		
#200	4.0	0.0 - 5.0	

Soil Description

Foundation Backfill-poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 1.1685 D₈₅= 0.9108 D₆₀= 0.4948
D₅₀= 0.4084 D₃₀= 0.2758 D₁₅= 0.1891
D₁₀= 0.1541 C_u= 3.21 C_c= 1.00

Classification

USCS= SP AASHTO= A-3

Remarks

Moisture Content: 1.9%

* 0259-145 Structural Fill

Location: Stockpile: Portland, ME
Sample Number: 14159

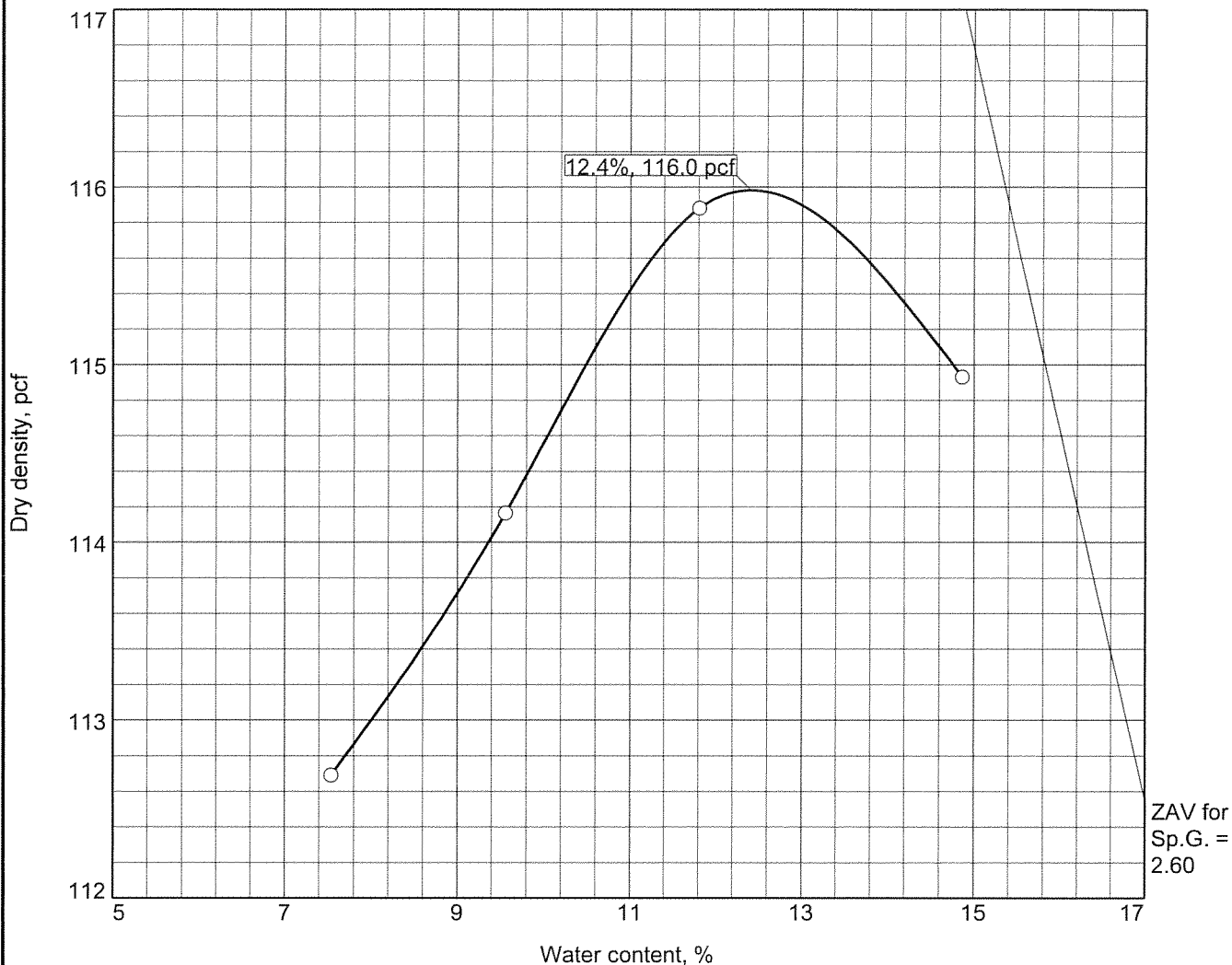
Date: 7/7/16

R.W. Gillespie & Associates, Inc. Saco, Maine	Client: Sheridan Corporation Project: Safelite Auto Glass Project No: 0259-145 Lab No. 14159
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Tested By: ZTG

Checked By: MTG

COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method A Modified
 ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	SP	A-3	1.9%				3.8	4.0

ROCK CORRECTED TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 116.0 pcf Optimum moisture = 12.4 %	Foundation Backfill-poorly graded sand
Project No. 0259-145 Client: Sheridan Corporation Project: Safelite Auto Glass Location: Stockpile: Portland, ME Sample Number: 14159 R.W. Gillespie & Associates, Inc. Saco, Maine	Remarks: Tested by: ZTG Lab No. 14159

Tested By: ZTG

Checked By: MTG

MTG



R. W. Gillespie & Associates, Inc.
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LETTER OF TRANSMITTAL

Date: August 8, 2016	Project No.: 0259-145
Attention: Gilbert D. Thibeau II (Gthibeau@sheridancorp.com)	
Re: Concrete Testing 161003 Safelite AutoGlass Addition Portland, Maine	

Sheridan Corporation

P.O. Box 359

Fairfield, ME 04937-0359

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
83790	28
83791	28
83792	28

Remarks:

Copy to: Dana Sturtevant (dsturtevant@sheridancorp.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

Project Name:	Safelite Auto Glass	Date Cylinders Cast:	Thursday, July 07, 2016
Project No:	0259-145	Concrete Supplier:	F.R. Carroll, Inc.
Client:	Sheridan Corporation	Design Strength:	3000 psi
Weather Conditions:	Overcast	Max. Aggregate Size:	3/4 inch
Placement Method:	Rear Discharge	Admixtures:	MRWR

Placement Location:
loading dock addition footing

Test Cylinder Location:
footing for pier, C.1

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

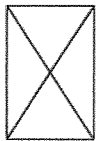
Load Number:	1 of 2	Number of 4x8 Cylinders:	4
Ticket Number:	37580	Cast By:	Patrick J. Roma
Truck Number:	18	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	9	Air Temperature:	72 °F
Total Yardage:	18	Concrete Temperature:	78 °F
Total Time (minutes):	65	Air Content:	ASTM C 231 6.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1
 Date Received: 7/8/2016
 Condition of Cylinders: Good
 Curing Temperatures: 64 °F to 72 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83789	7/14/2016	4.00	12.53	7	33360	2660	3
83790	8/4/2016	4.03	12.74	28	50630	3980	6
83791	8/4/2016	4.03	12.74	28	51690	4060	4
83792	8/4/2016	4.03	12.74	28	51010	4000	5



Cone
1



Cone & Split
2



Columnar
3



Shear
4



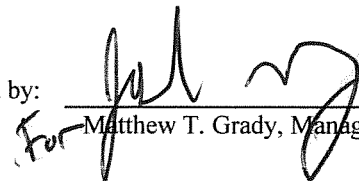
Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by:

For  Matthew T. Grady, Manager of MTS





R. W. Gillespie & Associates, Inc.

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LETTER OF TRANSMITTAL

Date:	August 12, 2016	Project No.:	0259-145
Attention:	Gilbert D. Thibeau II (Gthibeau@sheridancorp.com)		
Re:	Concrete Testing 161003 Safelite AutoGlass Addition Portland, Maine		

Sheridan Corporation

P.O. Box 359

Fairfield, ME 04937-0359

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83892	28
83893	28
83894	28

Remarks:

Copy to: Dana Sturtevant (dsturtevant@sheridancorp.com)

If enclosures are not noted, kindly notify us at once.

R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

Project Name:	Safelite Auto Glass	Date Cylinders Cast:	Tuesday, July 12, 2016
Project No:	0259-145	Concrete Supplier:	F.R. Carroll, Inc.
Client:	Sheridan Corporation	Design Strength:	3000 psi
Weather Conditions:	Sunny	Max. Aggregate Size:	3/4 inch
Placement Method:	Rear Discharge	Admixtures:	MRWR

Placement Location:
Rear Addition Walls

Test Cylinder Location:
Top of wall NE corner

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

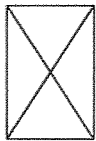
Load Number:	1 of 4	Number of 4x8 Cylinders:	4
Ticket Number:	37620	Cast By:	Joshua R. Fancy
Truck Number:	8	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	8	Air Temperature:	90 °F
Total Yardage:	32	Concrete Temperature:	83 °F
Total Time (minutes):	55	Air Content:	ASTM C 231 7.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 7/13/2016
Condition of Cylinders: Good

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83891	7/19/2016	3.99	12.52	7	34020	2720	5
83892	8/9/2016	3.99	12.52	28	49660	3970	3
83893	8/9/2016	3.99	12.52	28	49885	3990	2
83894	8/9/2016	3.99	12.52	28	52215	4170	3



Cone
1



Cone & Split
2



Columnar
3



Shear
4

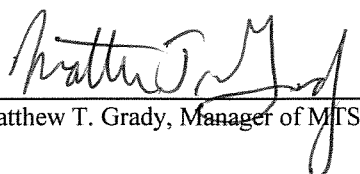


Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by: 
Matthew T. Grady, Manager of MITS





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LETTER OF TRANSMITTAL

Date:	August 15, 2016	Project No.:	0259-145
Attention:	Gilbert D. Thibeau II (Gthibeau@sheridancorp.com)		
Re:	Laboratory Testing 161003 Safelite AutoGlass Addition Portland, Maine		

Sheridan Corporation

P.O. Box 359

Fairfield, ME 04937-0359

We are sending you attached Laboratory Test Results.

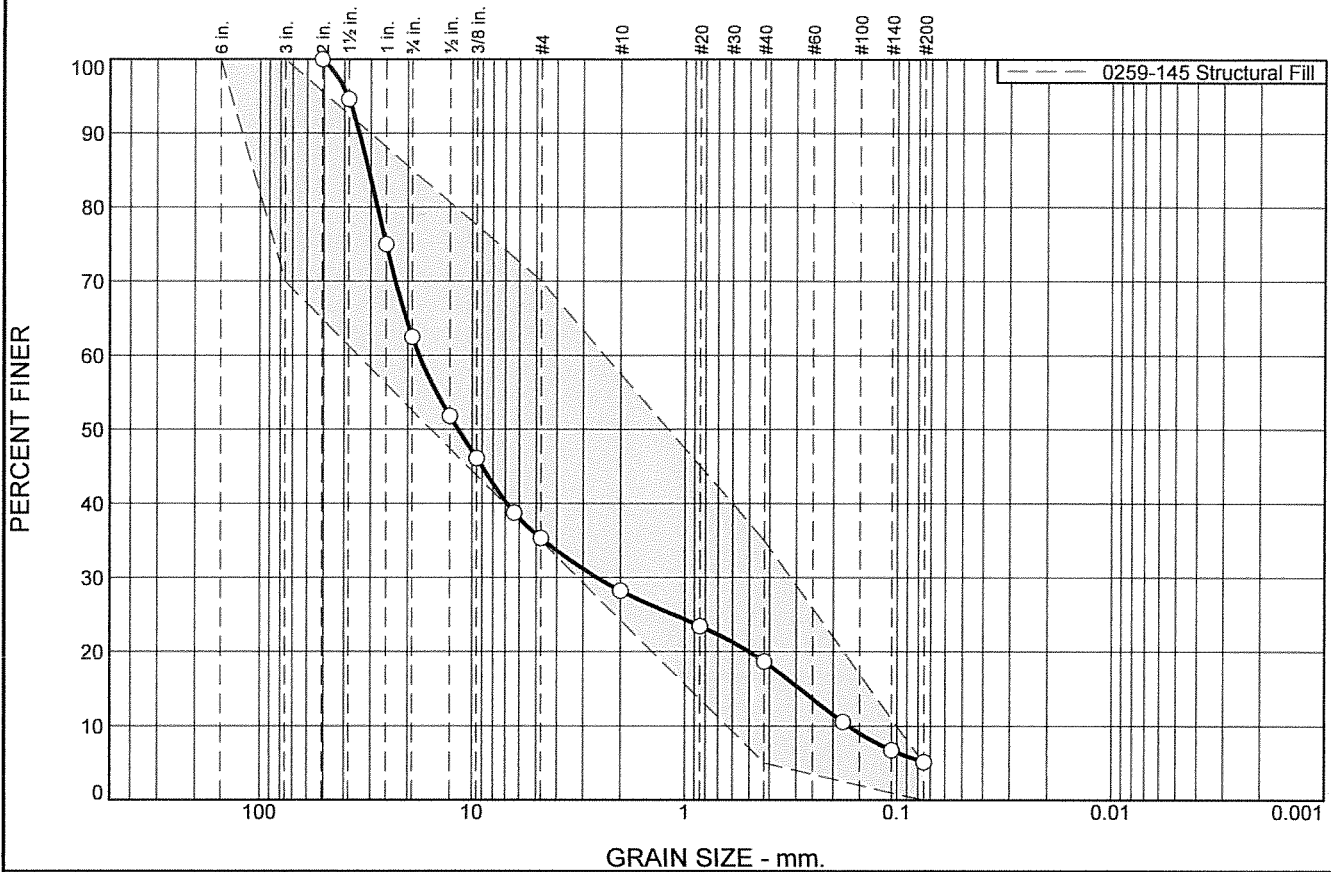
Laboratory No. (s)	Test (s) Performed
14201 On Site Portland, ME	Washed Gradation, MD

Remarks:

Copy to: Dana Sturtevant (dsturtevant@sheridancorp.com)

If enclosures are not noted, kindly notify us at once.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	37.5	27.2	7.1	9.5	13.5	5.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0		
1 1/2"	94.6		
1"	75.0		
3/4"	62.5		
1/2"	51.8		
3/8"	46.1		
1/4"	38.8		
#4	35.3	35.0 - 70.0	
#10	28.2		
#20	23.4		
#40	18.7	5.0 - 35.0	
#80	10.5		
#140	6.7		
#200	5.2	0.0 - 5.0	X

Soil Description
well-graded gravel with silt and sand

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 33.9125 D₈₅= 30.6574 D₆₀= 17.6717
 D₅₀= 11.6157 D₃₀= 2.5787 D₁₅= 0.2873
 D₁₀= 0.1691 C_u= 104.50 C_c= 2.23

Classification
 USCS= GW-GM AASHTO= A-1-a

Remarks
 Moisture Content: 1.6%

* 0259-145 Structural Fill

Location: Portland, ME: On Site
Sample Number: 14201

Date: 7/28/16

**R.W. Gillespie
& Associates, Inc.
Saco, Maine**

Client: Sheridan Corporation
Project: Safelite Auto Glass

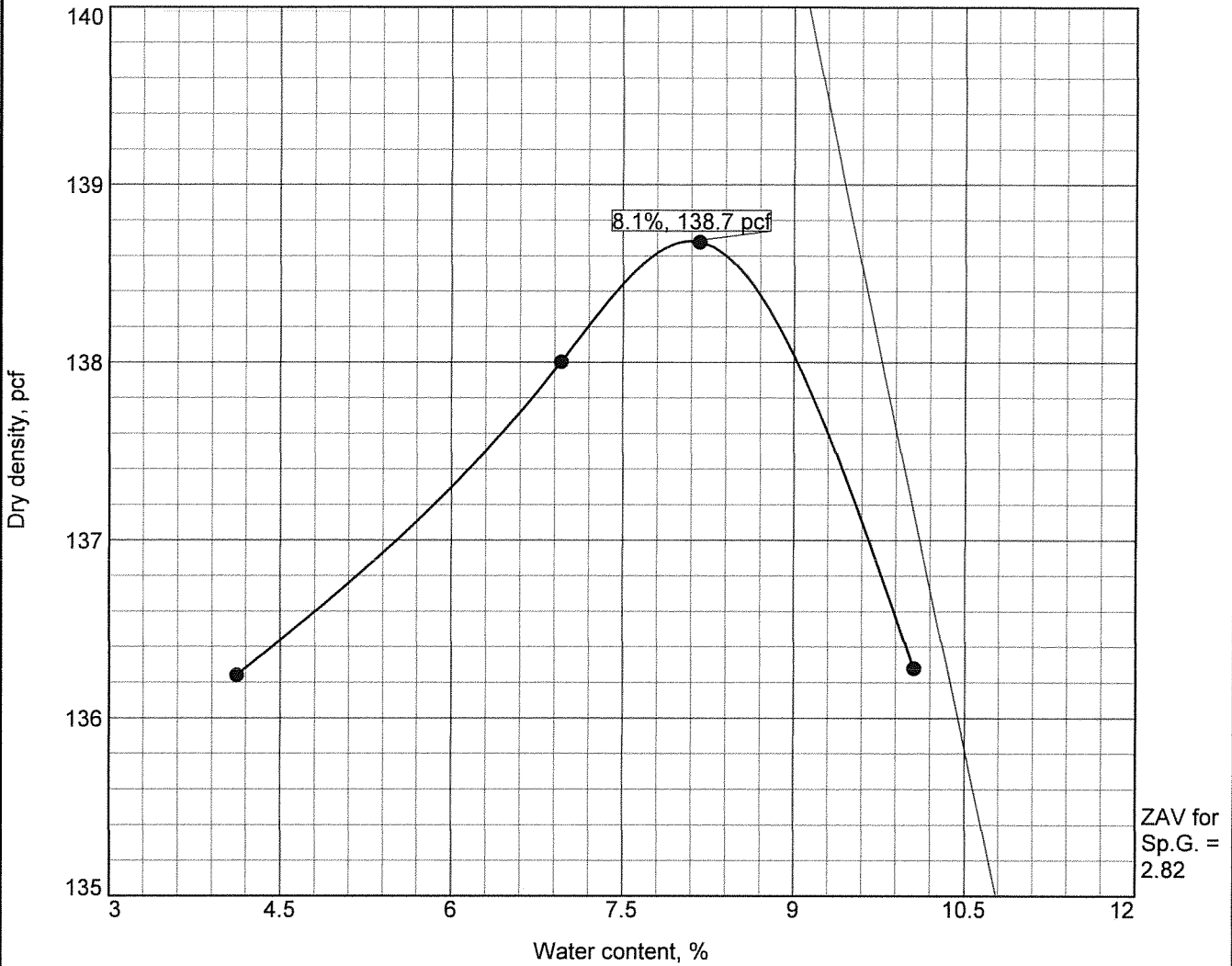
Project No: 0259-145

Lab No. 14201

Tested By: JEL

Checked By: EJW

COMPACTION TEST REPORT



ZAV for
Sp.G. =
2.82

Test specification: ASTM D 1557-91 Procedure C Modified
ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
	GW-GM	A-1-a	1.6%				37.5	5.2

ROCK CORRECTED TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 138.7 pcf	well-graded gravel with silt and sand
Optimum moisture = 8.1 %	
Project No. 0259-145 Client: Sheridan Corporation Project: Safelite Auto Glass	Remarks:
<input type="radio"/> Location: Portland, ME: On Site Sample Number: 14201	
R.W. Gillespie & Associates, Inc. Saco, Maine	

Lab No. 14201

Tested By: JEL Checked By: EJW



R. W. Gillespie & Associates, Inc.

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LETTER OF TRANSMITTAL

Sheridan Corporation

P.O. Box 359

Fairfield, ME 04937-0359

Date:	September 6, 2016	Project No.:	0259-145
Attention:	Gilbert D. Thibeau II (Gthibeau@sheridancorp.com)		
Re:	In-Place Density Testing 161003 Safelite AutoGlass Addition Portland, Maine		

We are sending you attached In-Place Density Test Results.

Date(s) Performed:

Thursday, August 18, 2016

Test (s) Performed

In-Place Density Testing - Nuclear Method ASTM D6938

Meets Specification

Selected Tests Do Not Meet Specification - Noted with an *

Note: Materials descriptions and maximum laboratory dry density values were transmitted under separate cover and are referenced in the attached summaries by the material number.

Remarks:

Copy to: Dana Sturtevant (dsturtevant@sheridancorp.com)

If enclosures are not noted, kindly notify us at once.

SUMMARY OF IN-PLACE DENSITIES - ASTM D6938



161003 SAFELITE AUTOGLASS ADDITION
 PORTLAND, MAINE
 SARGENT CORPORATION
 RWG&A PROJECT NO. 0259-145

Report Issue Date: Wednesday, August 31, 2016

Checked By: Joshua Fancy, Project Manage, 08/31/2016

Test No.	Test Location	Elevation	ASTM D6938 Dry Density (pcf)	ASTM D6938 Water Content (%)	Sample Lab No.	Max Dry Density (pcf)	Opt Moisture (%)	Percent of Max (%)	Date	Technician	Gauge #
01	5' from NW wall +5' from W wall elevation was FG;		132.0	3.3	14201	138.7	8.1	95	08/18/2016	Adam Croteau	21059
02	6' from NE wall +30' from N wall elevation was FG;		132.5	2.4	14201	138.7	8.1	96	08/18/2016	Adam Croteau	21059
03	6' from SW wall + 6' from N wall elevation was FG;		132.5	3.0	14201	138.7	8.1	96	08/18/2016	Adam Croteau	21059

Remarks:

01: Tests were on sample 14201 structural fill and require 95% of ASTM 1557 maximum density.

FG = Finish Grade
 FF = Finish Floor
 FGB = Finish Grade of Base
 FGSB = Finish Grade of Subbase
 FGSG = Finish Grade of Subgrade

TOW=Top of Foundation Wall
 BOF=Bottom of Footing
 TOC = Top Curb

Filter Criteria: Project ID = 0259-145;Start Date = 8/18/2016;End Date = 8/18/2016 11:59:59 PM;

R. W. Gillespie Associates, Inc.
 Corporate Office 86 Industrial Park Road, Ste 4, Saco, ME 04072
 Branch Office 200 International Drive, Ste 170, Portsmouth, NH 03801