



New Jersey
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Union, NJ 07083
908-964-0786

South Carolina
49 Browns Cove Road, Suite 6
Ridgeland, SC 29936
843-816-9950

Letter of Transmittal

Date: 11-4-25

Job No.: 937

Lab Log: 25-4690

Attention: Yazmeen
Alliance Technical Group
284 Sheffield Street
Mountainside, NJ 07092

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q3379 – AE1-CTY 3.2.Z-PR-DOCK-Des-ODC – 6069795-1

Sample(s) ID: **PR132-S02 thru PR132-S12** (10 Samples)

Dear Yazmeen,

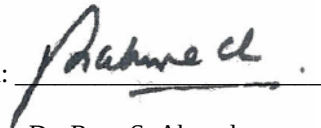
Please find attached results for the samples referenced above. The following lab testing was performed:

- ASTM D422 Sieve & Hydrometer Analysis

Regards,
RSA Geolab, LLC

Remarks: If you have any questions, please call 908-964-0786.

Signed: _____

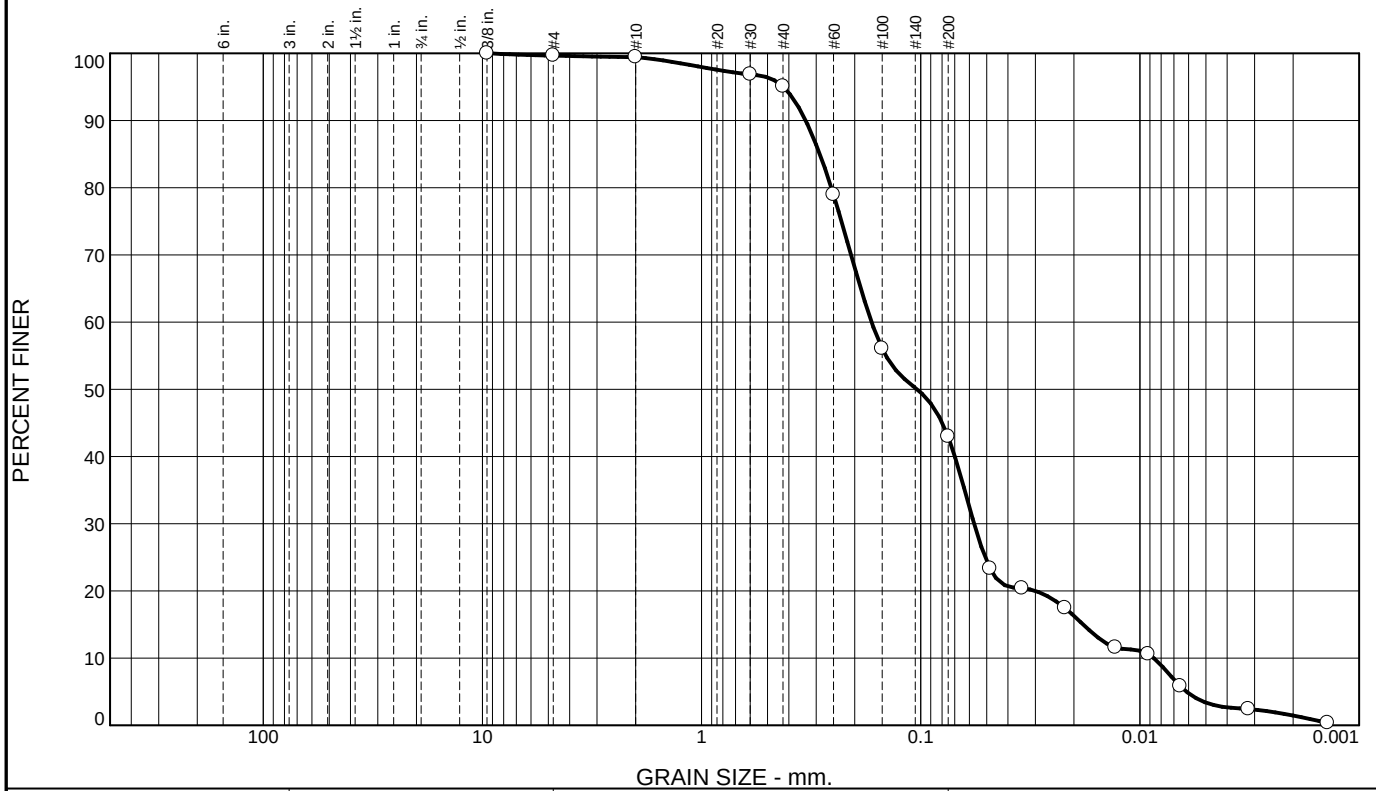

Dr. Raza S. Ahmed
President RSA Geolab, LLC

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.3	4.3	52.1	39.6	3.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.7		
#10	99.4		
#30	96.8		
#40	95.1		
#60	78.9		
#100	56.1		
#200	43.0		

* (no specification provided)

Location: PR132-S12-020047-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description
 Dark Gray

Atterberg Limits
 PL= LL= PI=

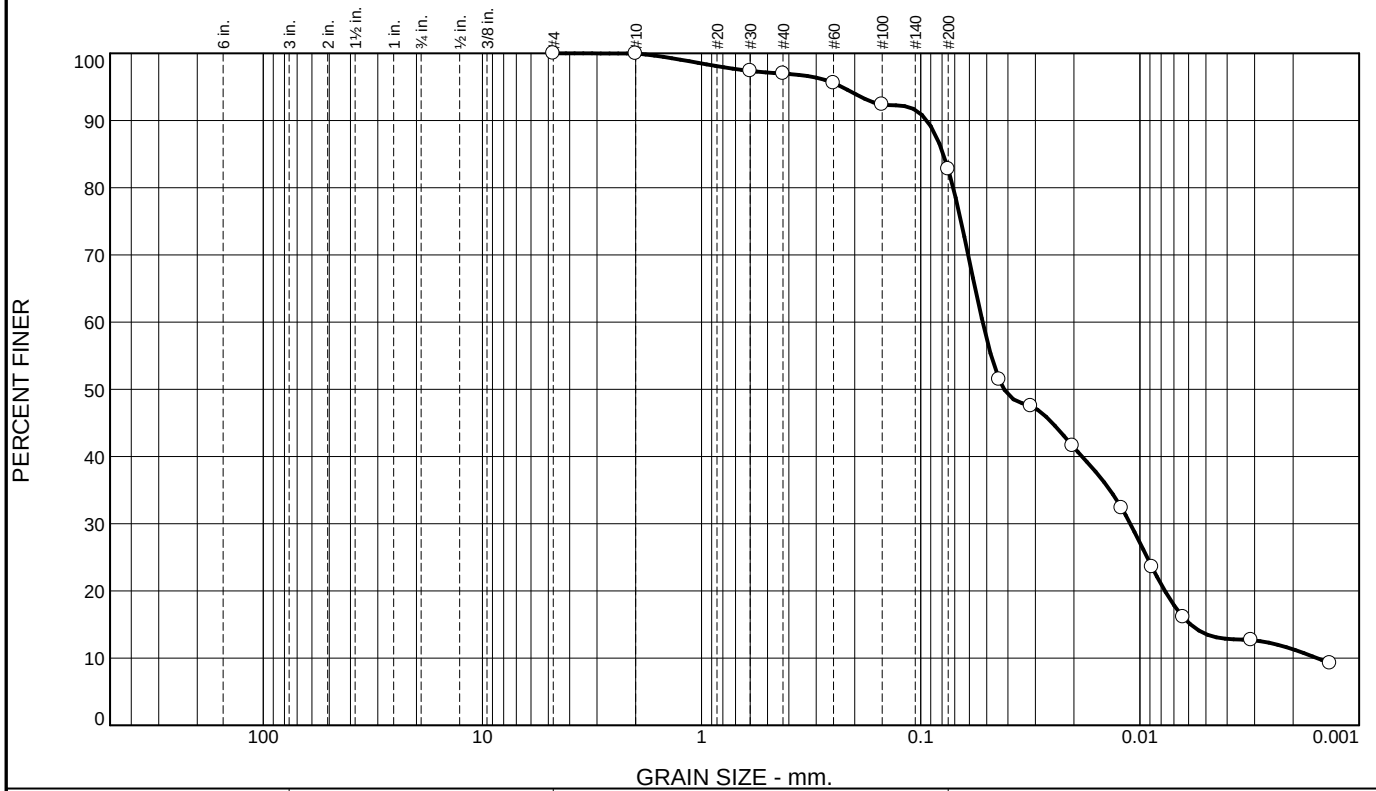
Coefficients
 D₉₀= 0.3352 D₈₅= 0.2888 D₆₀= 0.1676
 D₅₀= 0.1041 D₃₀= 0.0571 D₁₅= 0.0182
 D₁₀= 0.0086 C_u= 19.40 C_c= 2.25

Classification
 USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	3.0	14.2	69.2	13.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#30	97.4		
#40	97.0		
#60	95.6		
#100	92.4		
#200	82.8		

* (no specification provided)

Location: PR132-S12-047072-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Dark Gray

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.0938 D₈₅= 0.0788 D₆₀= 0.0522
 D₅₀= 0.0416 D₃₀= 0.0111 D₁₅= 0.0059
 D₁₀= 0.0016 C_u= 33.57 C_c= 1.51

Classification

USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.1	0.9	14.5	68.3	16.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.9		
#10	99.8		
#30	99.1		
#40	98.9		
#60	97.8		
#100	94.8		
#200	84.4		

* (no specification provided)

Material Description
 Dark Gray

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.0918 D₈₅= 0.0762 D₆₀= 0.0420
 D₅₀= 0.0223 D₃₀= 0.0100 D₁₅= 0.0037
 D₁₀= C_u= C_c=

Classification
 USCS= AASHTO=

Remarks

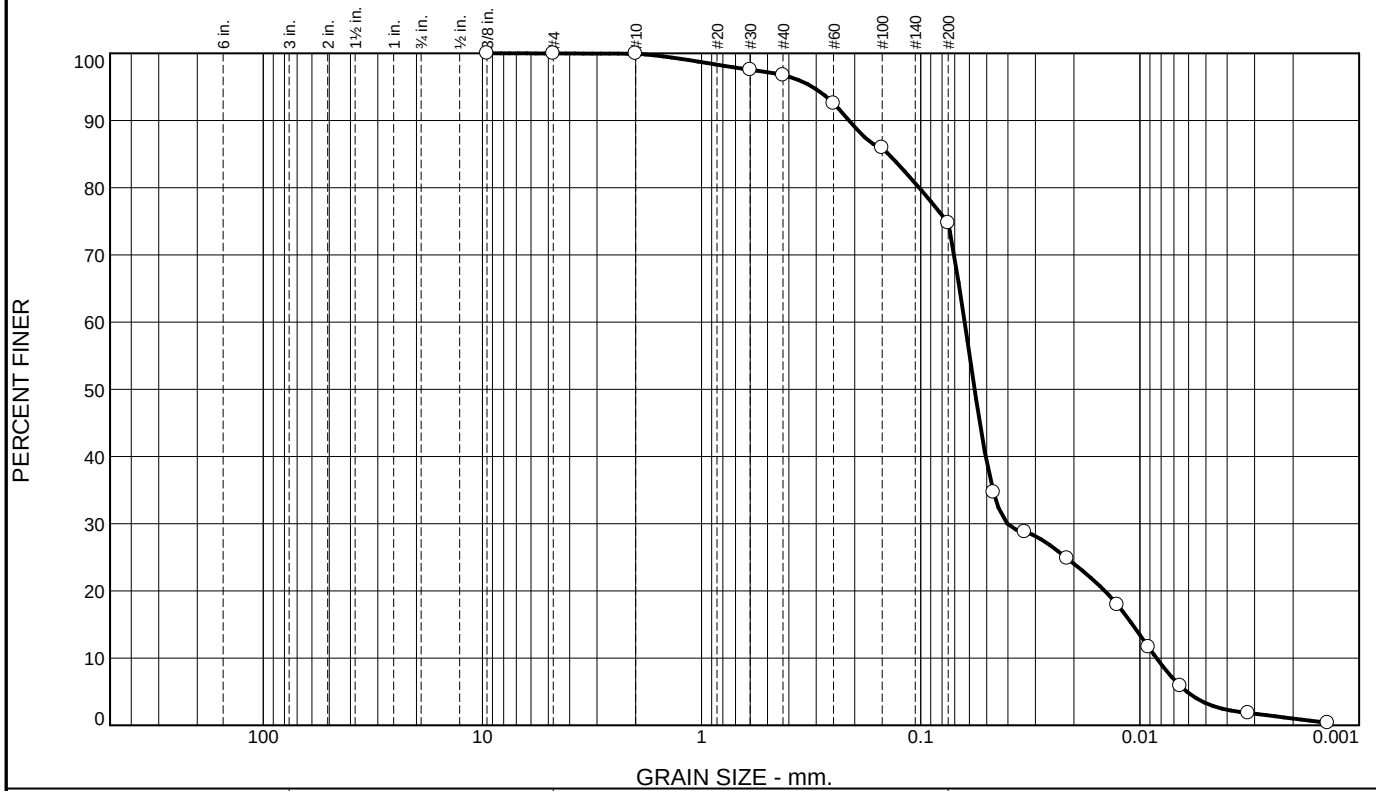
Location: PR132-COMP2-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	3.2	21.9	71.5	3.3

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	100.0		
#10	99.9		
#30	97.5		
#40	96.7		
#60	92.5		
#100	85.9		
#200	74.8		

* (no specification provided)

Material Description
 Black

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.2126 D₈₅= 0.1405 D₆₀= 0.0631
 D₅₀= 0.0568 D₃₀= 0.0402 D₁₅= 0.0108
 D₁₀= 0.0084 C_u= 7.51 C_c= 3.06

Classification
 USCS= AASHTO=

Remarks

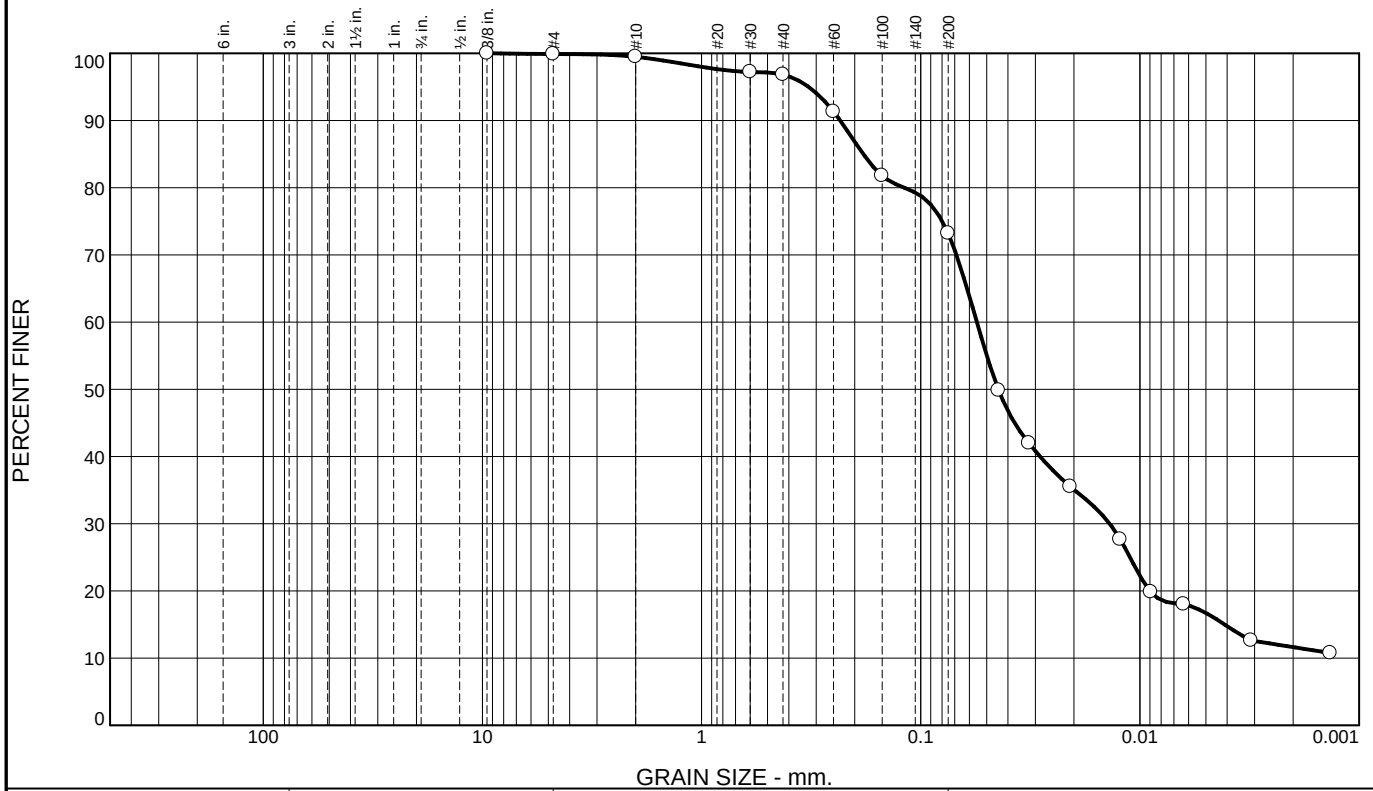
Location: PR132-DP01-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.4	2.7	23.6	56.5	16.7

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.9		
#10	99.5		
#30	97.2		
#40	96.8		
#60	91.3		
#100	81.8		
#200	73.2		

* (no specification provided)

Location: PR132-S05-057082-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Dark Gray

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.2332 D₈₅= 0.1829 D₆₀= 0.0555
 D₅₀= 0.0443 D₃₀= 0.0137 D₁₅= 0.0041
 D₁₀= C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH