

DATA PACKAGE

SUB - DATA

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3378

ATTENTION : Rob Forstner



Cover Page

Order ID : Q3378

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3378-01
Q3378-02
Q3378-03
Q3378-04
Q3378-05

Client Sample Number

PR132-S02-074099-20251016
PR132-S04-000013-20251016
PR132-S05-000057-20251016
PR132-S02-010074-20251016
PR132-DP02-20251016

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:34 pm, Dec 02, 2025

Date: 11/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



New Jersey
1012 Greeley Ave N
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: Q3378 – AE1-CTY 3.2.Z-PR-DOCK-Des-ODC – 6069795-1

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

Dear Yazmeen,

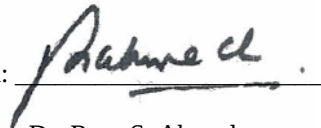
Please find attached results for the samples referenced above. The following lab testing was performed:

- ASTM D422 Sieve & Hydrometer Analysis

Regards,
RSA Geolab, LLC

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

Signed: _____

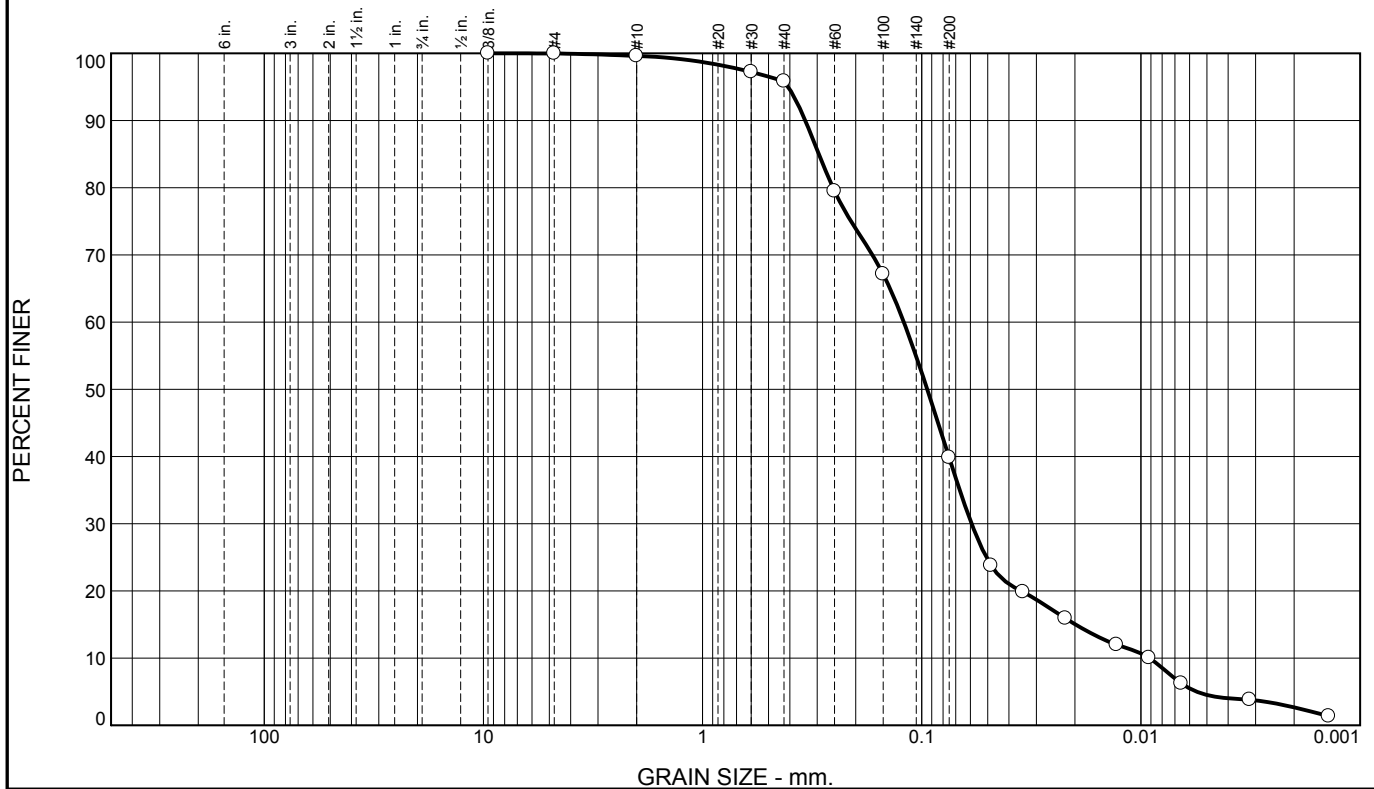

Dr. Raza S. Ahmed
President RSA Geolab, LLC

<https://www.rsageolab.com/>
email: rsa@rsageolab.com

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.4	3.8	56.0	35.3	4.5

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	100.0		
#10	99.6		
#30	97.2		
#40	95.8		
#60	79.5		
#100	67.1		
#200	39.8		

* (no specification provided)

Location: PR132-DP02-20251016

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= 0.3401 D₈₅= 0.2947 D₆₀= 0.1208
 D₅₀= 0.0944 D₃₀= 0.0592 D₁₅= 0.0199
 D₁₀= 0.0091 C_u= 13.20 C_c= 3.18

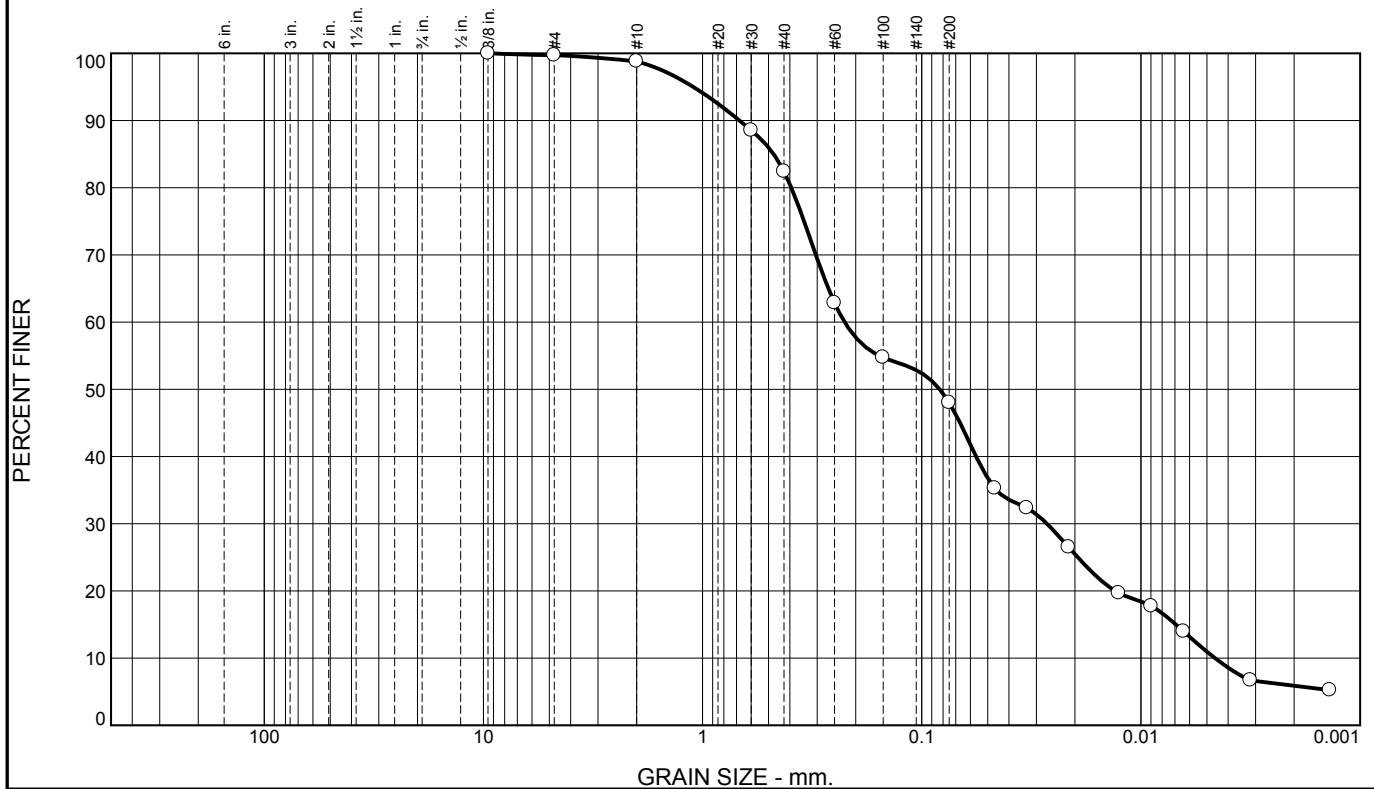
Classification

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	0.3	0.9	16.4	34.4	37.0	11.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.7		
#10	98.8		
#30	88.5		
#40	82.4		
#60	62.8		
#100	54.7		
#200	48.0		

* (no specification provided)

Material Description
Dark Grayish Brown

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.6789 D₈₅= 0.4740 D₆₀= 0.2249
 D₅₀= 0.0828 D₃₀= 0.0269 D₁₅= 0.0069
 D₁₀= 0.0046 C_u= 48.95 C_c= 0.70

Classification
 USCS= AASHTO=

Remarks

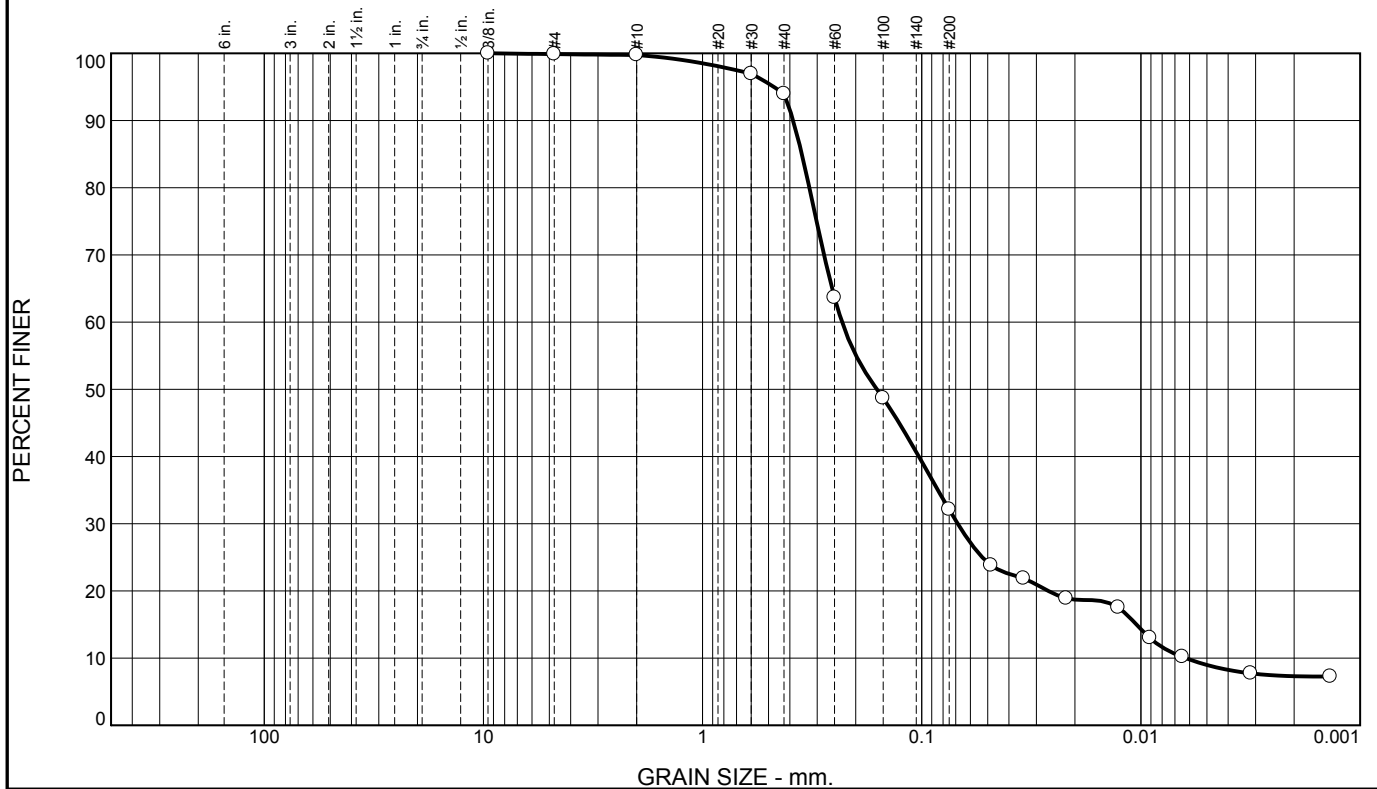
Location: PR132-S02-010074-20251016

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	0.2	5.7	61.9	23.1	9.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.9		
#10	99.7		
#30	97.0		
#40	94.0		
#60	63.6		
#100	48.7		
#200	32.1		

* (no specification provided)

Material Description
 Black

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.3861 D₈₅= 0.3526 D₆₀= 0.2311
 D₅₀= 0.1601 D₃₀= 0.0685 D₁₅= 0.0105
 D₁₀= 0.0063 C_u= 36.93 C_c= 3.25

Classification
 USCS= AASHTO=

Remarks

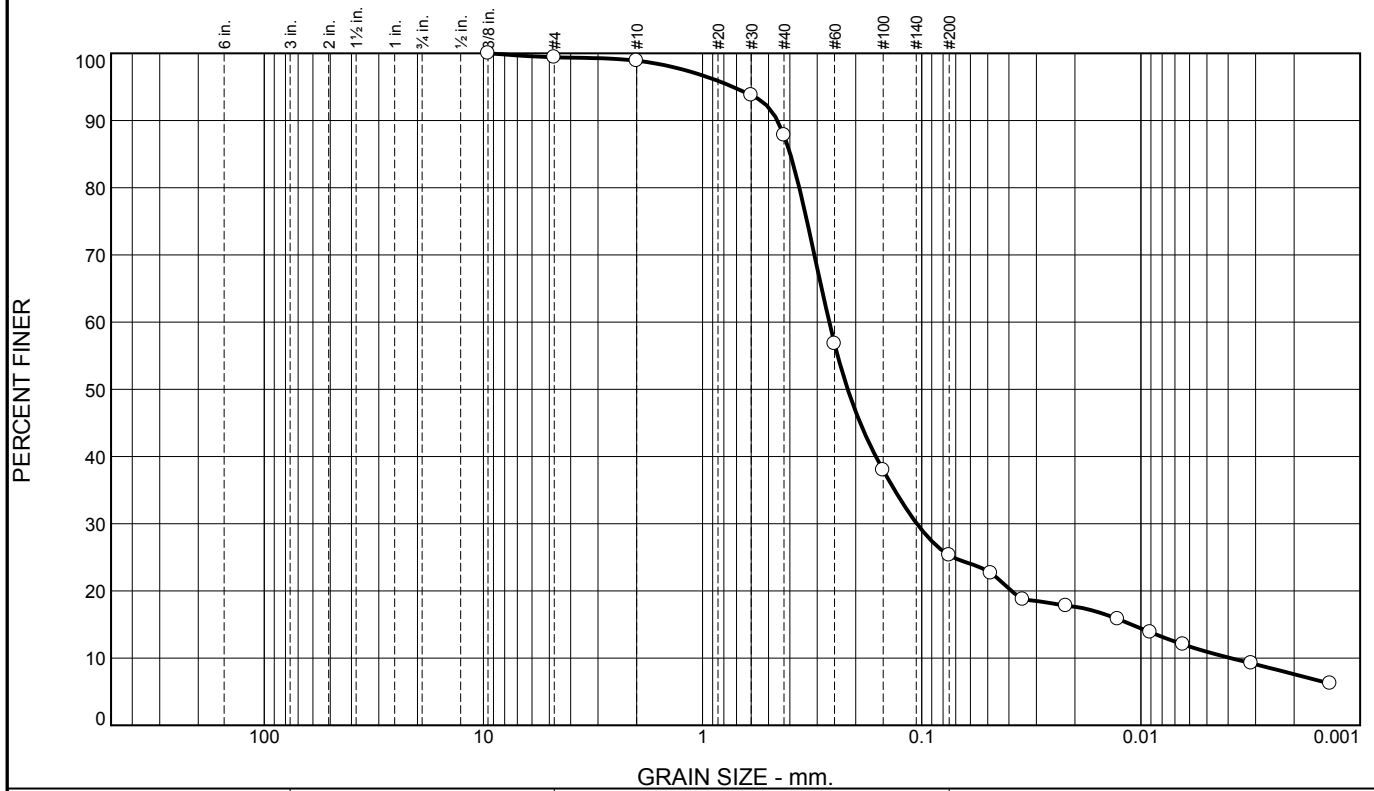
Location: PR132-S05-000057-20251016

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	0.6	0.5	11.1	62.5	14.4	10.9

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.4		
#10	98.9		
#30	93.8		
#40	87.8		
#60	56.8		
#100	38.0		
#200	25.3		

* (no specification provided)

Location: PR132-S04-000013-20251016

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= 0.4552 D₈₅= 0.3977 D₆₀= 0.2643
 D₅₀= 0.2177 D₃₀= 0.1053 D₁₅= 0.0111
 D₁₀= 0.0039 C_u= 67.80 C_c= 10.75

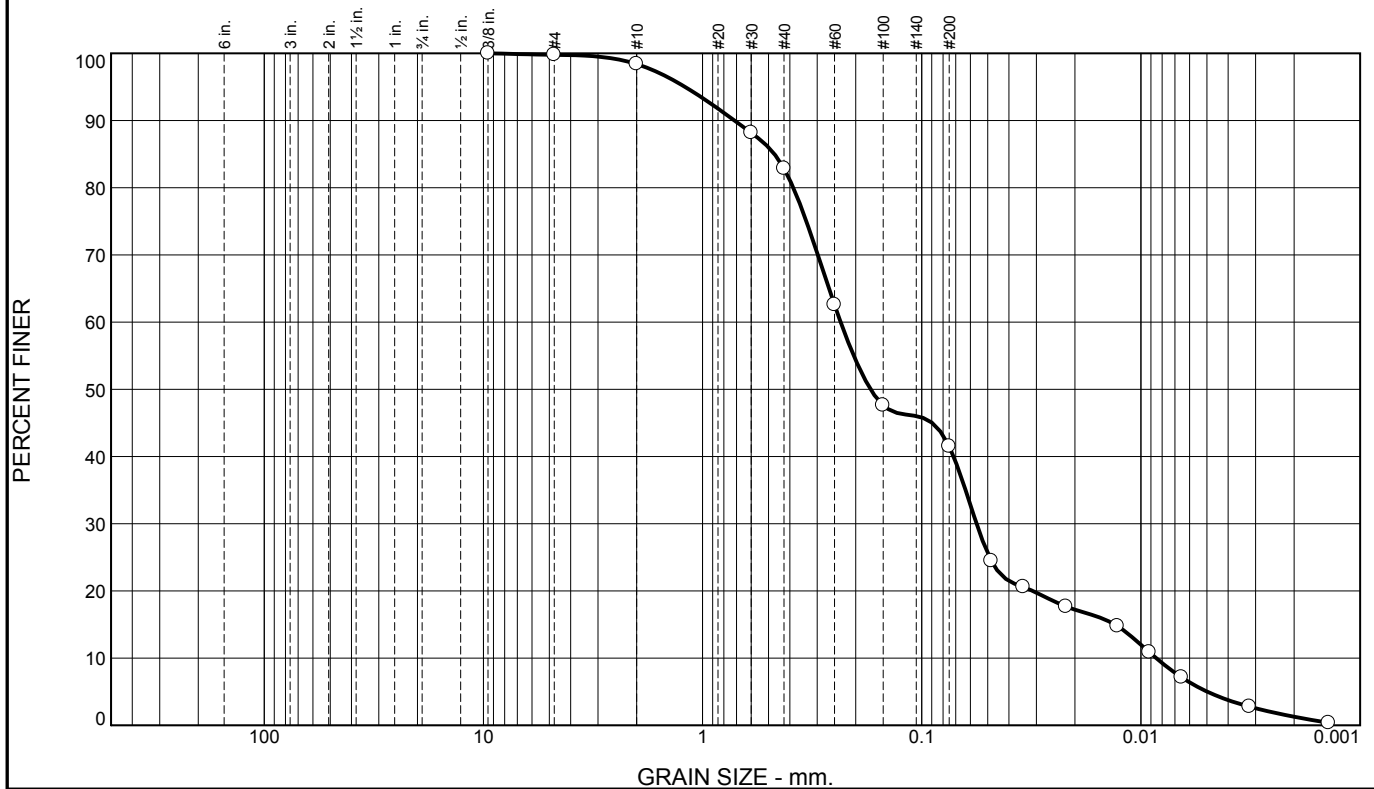
Classification

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	0.2	1.4	15.6	41.3	36.5	5.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.8		
#10	98.4		
#30	88.2		
#40	82.8		
#60	62.6		
#100	47.6		
#200	41.5		

* (no specification provided)

Material Description
 Dark Grayish Brown

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.7159 D₈₅= 0.4700 D₆₀= 0.2344
 D₅₀= 0.1712 D₃₀= 0.0562 D₁₅= 0.0132
 D₁₀= 0.0085 C_u= 27.52 C_c= 1.58

Classification
 USCS= AASHTO=

Remarks

Location: PR132-S02-074099-20251016

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

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Avenue,
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

PROJECT NAME: Port Richmond B2
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. SVOCs
2. Pesticides-TCL
3. Mercury-Metals
4. PCBs/Hexachloro
5. Dioxin
6. Grain Silo
7. VOCs
8. VOCs
9. VOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	PR132-S02-074099-20251016	soil	X	X	10/16	840	11	X	X	X	X	X	X	X	X		
2.	PR132-S04-000013-20251016	soil	X	X	10/16	945	11	X	X	X	X	X	X	X	X		
3.	PR132-S04	soil	X	X	10/16												
4.	PR132-S05-000057-20251016	soil	X	X	10/16	1110	11	X	X	X	X	X	X	X	X		
5.	PR132-S02-010074-20251016	soil	X	X	10/16	850	11	X	X	X	X	X	X	X	X		
6.	PR132-DP02-20251016	soil	X	X	10/16	1113	11	X	X	X	X	X	X	X	X		
7.	Temp Blank	water													X		
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Aldersen	DATE/TIME: 1650 10/16/25	RECEIVED BY: 1. [Signature] 1650 10-16-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1805 10-16-25	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO