

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 : Q3394

ATTENTION : Rob Forstner



Cover Page

Order ID : Q3394

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

Client : AECOM

Lab Sample Number

Q3394-01
Q3394-02
Q3394-03
Q3394-04
Q3394-05

Client Sample Number

PR132-S10-000022-20251017
PR132-S10-022047-20251017
PR132-S08-013038-20251017
PR132-S06-000021-20251017
PR132-S08-000013-20251017

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 5:03 pm, Dec 02, 2025

Date: 11/4/2025

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: 25-4694

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

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q3394 – AE1-CTY 3.2.Z-PR-DOCK-Des-ODC – 6069795-1719206

Sample(s) ID: **PR132-S10 -000022-20251017 to PR132-S08-000013-20251017 (5 sample)**

Dear Yazmeen,

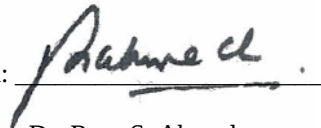
Please find attached results for the samples referenced above. The following lab testing was performed:

- ASTM D422 Sieve & Hydrometer Analysis

Regards,
RSA Geolab, LLC

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

Signed: _____

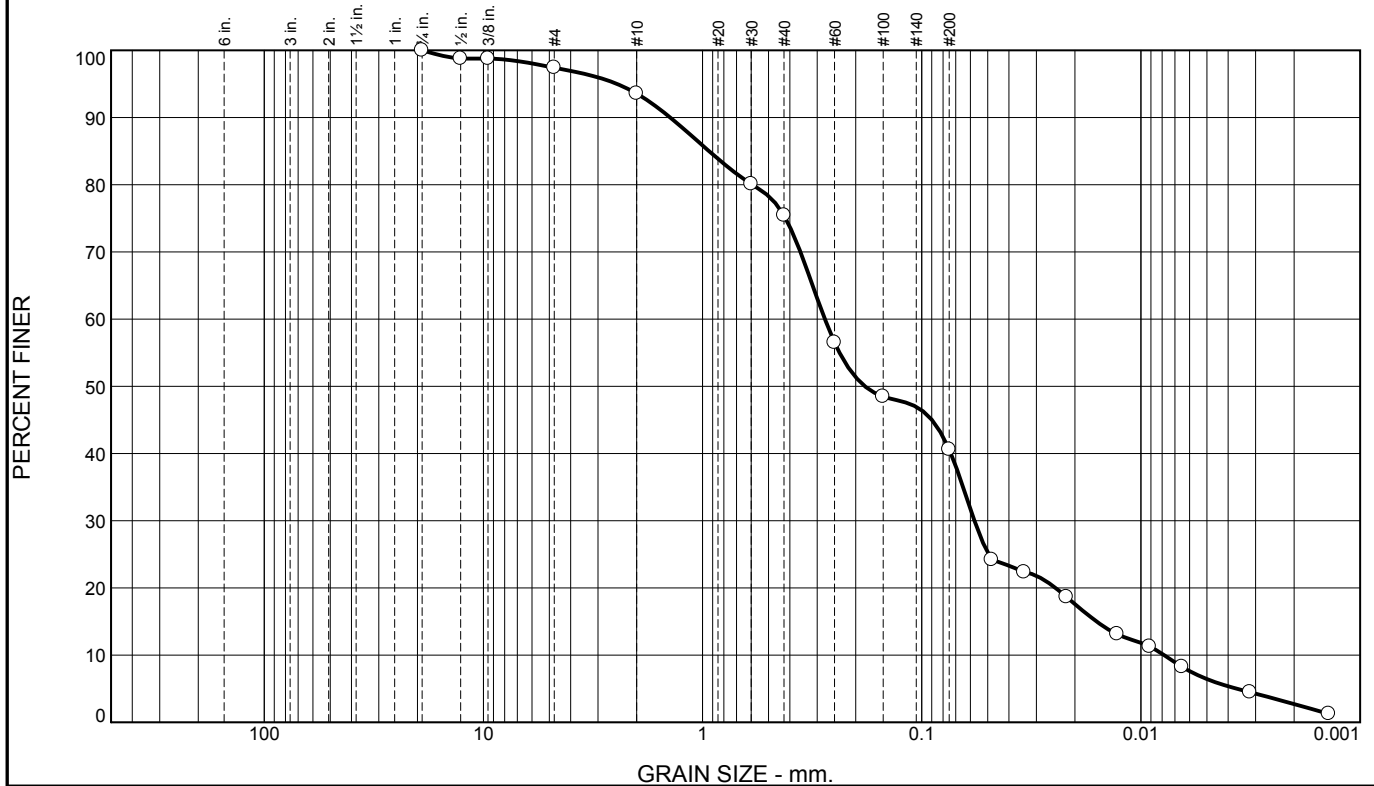

Dr. Raza S. Ahmed
President RSA Geolab, LLC

<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	2.6	3.8	18.2	34.8	34.2	6.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.5	98.8		
.375	98.8		
#4	97.4		
#10	93.6		
#30	80.1		
#40	75.4		
#60	56.5		
#100	48.5		
#200	40.6		

* (no specification provided)

Location: PR132-S10-000022-20251017

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3394 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Black

odororous

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 1.4056 D₈₅= 0.9348 D₆₀= 0.2767
 D₅₀= 0.1818 D₃₀= 0.0575 D₁₅= 0.0159
 D₁₀= 0.0078 C_u= 35.32 C_c= 1.52

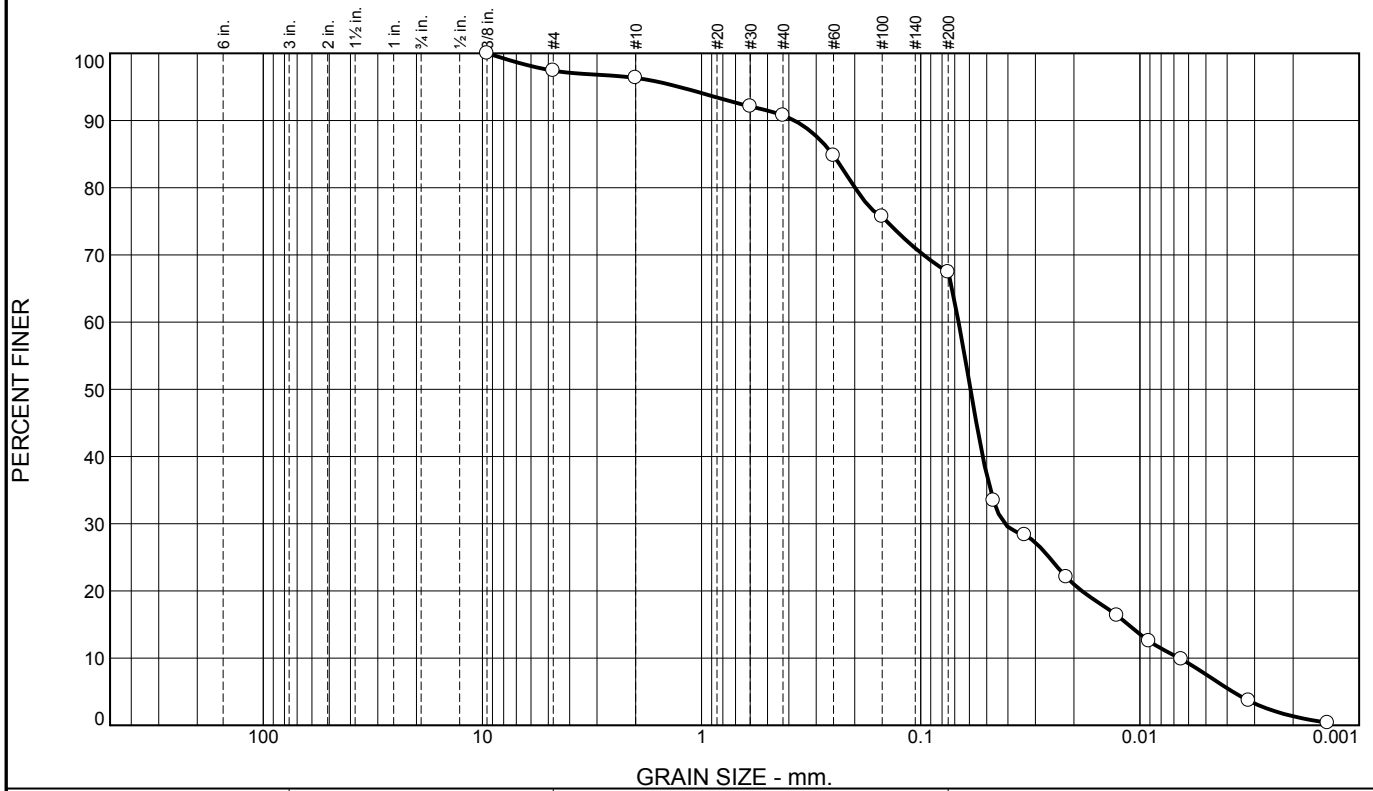
Classification

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	2.6	1.1	5.6	23.3	59.8	7.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	97.4		
#10	96.3		
#30	92.1		
#40	90.7		
#60	84.8		
#100	75.7		
#200	67.4		

* (no specification provided)

Location: PR132-S10-022047-20251017

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3394 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Black

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.3779 D₈₅= 0.2530 D₆₀= 0.0672
 D₅₀= 0.0593 D₃₀= 0.0414 D₁₅= 0.0113
 D₁₀= 0.0066 C_u= 10.16 C_c= 3.86

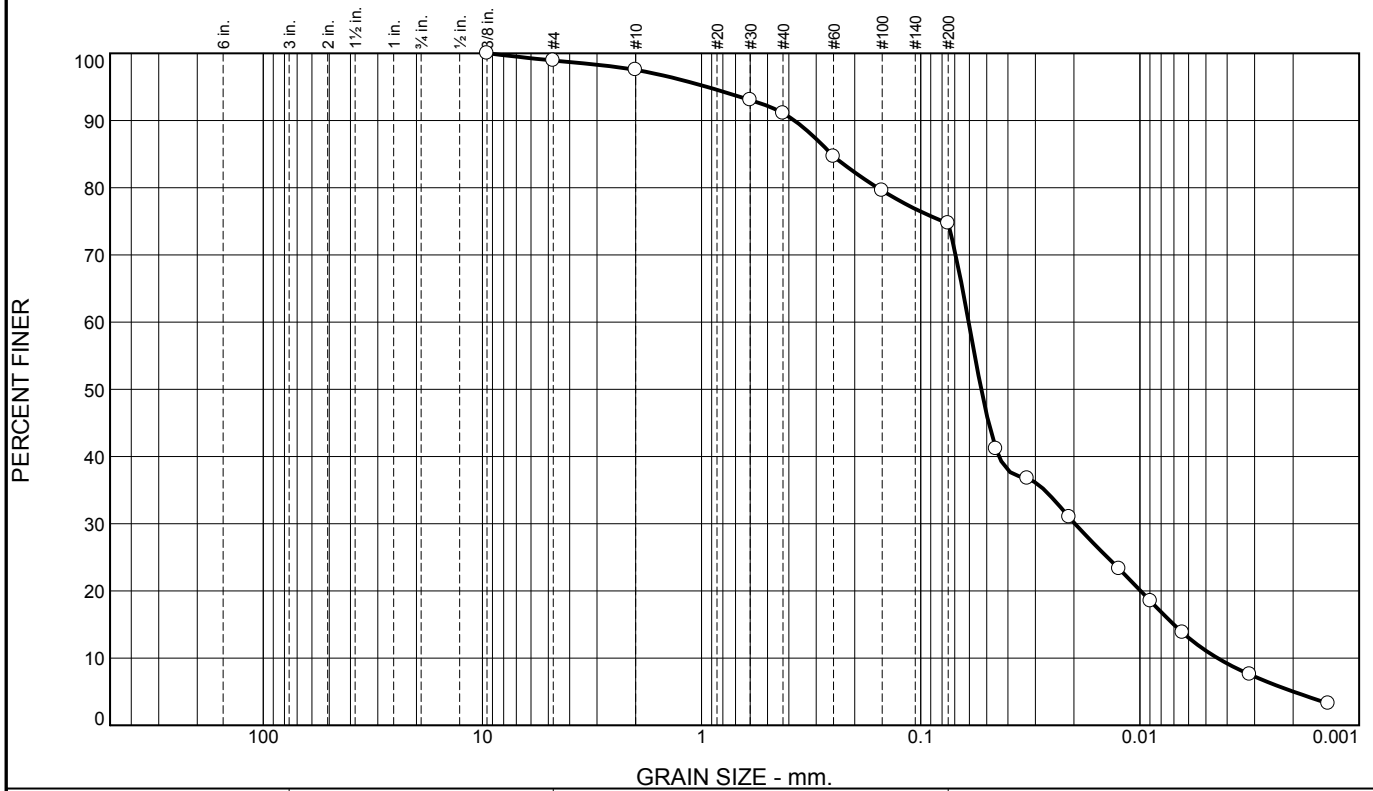
Classification

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	1.1	1.4	6.4	16.4	63.6	11.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	98.9		
#10	97.5		
#30	93.0		
#40	91.1		
#60	84.6		
#100	79.6		
#200	74.7		

* (no specification provided)

Location: PR132-S08-013038-20251017

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3394 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Black

odororous

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.3774 D₈₅= 0.2560 D₆₀= 0.0605
 D₅₀= 0.0530 D₃₀= 0.0198 D₁₅= 0.0070
 D₁₀= 0.0044 C_u= 13.68 C_c= 1.47

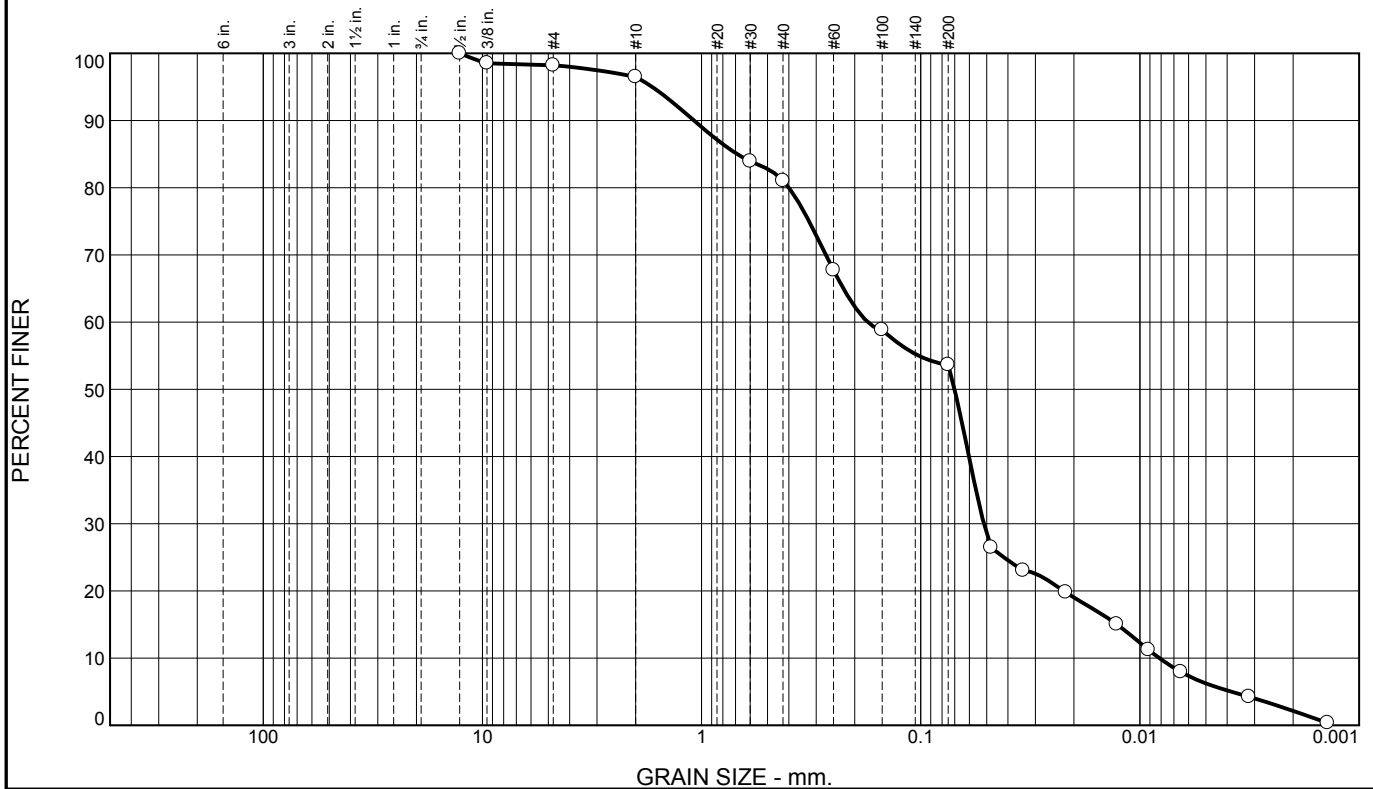
Classification

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	1.8	1.7	15.5	27.4	47.4	6.2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5	100.0		
.375	98.5		
#4	98.2		
#10	96.5		
#30	83.9		
#40	81.0		
#60	67.7		
#100	58.9		
#200	53.6		

* (no specification provided)

Location: PR132-S06-000021-20251017

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3394 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Black

odororous

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 1.0839 D₈₅= 0.6879 D₆₀= 0.1747
 D₅₀= 0.0701 D₃₀= 0.0515 D₁₅= 0.0127
 D₁₀= 0.0081 C_u= 21.44 C_c= 1.87

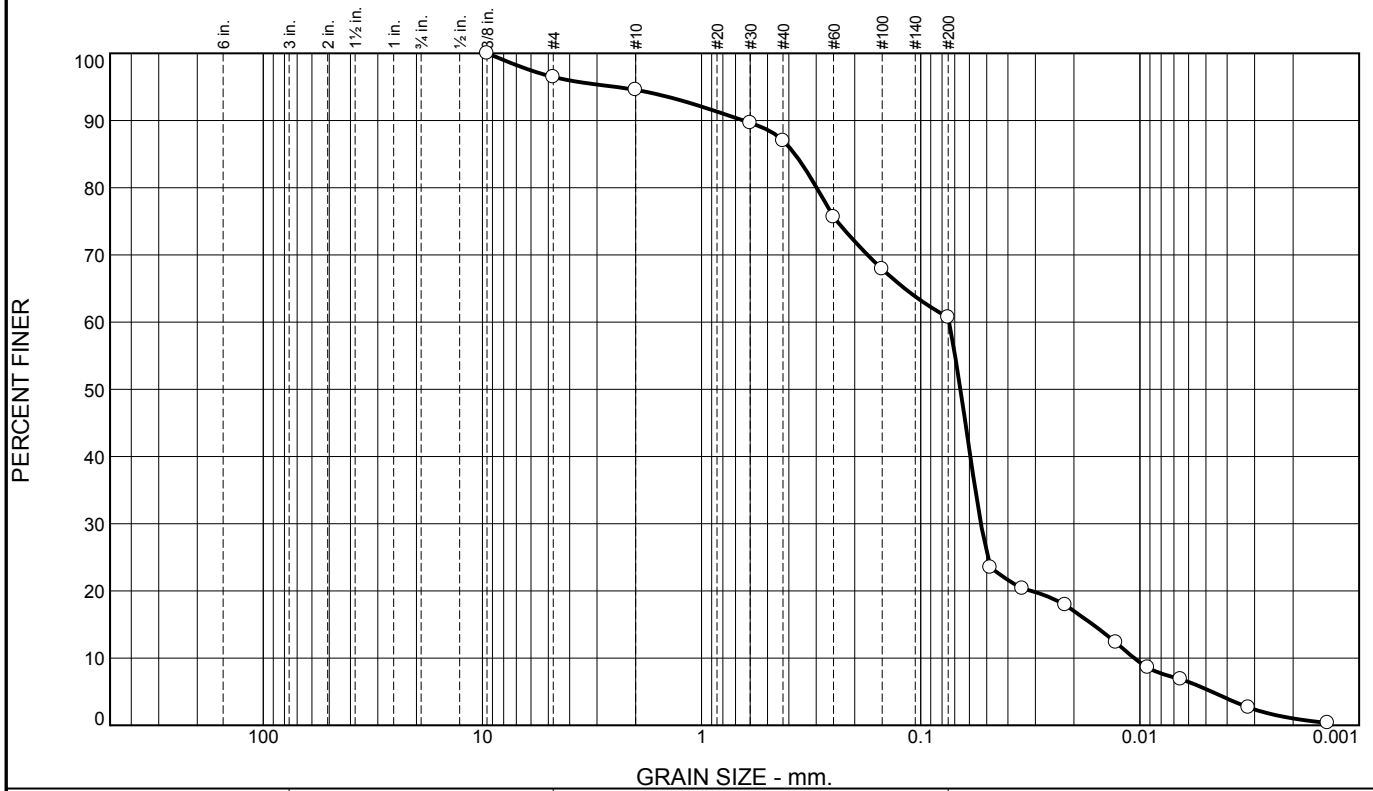
Classification

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	3.5	1.9	7.6	26.3	55.3	5.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	96.5		
#10	94.6		
#30	89.6		
#40	87.0		
#60	75.6		
#100	67.9		
#200	60.7		

* (no specification provided)

Location: PR132-S08-000013-20251017

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3394 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Black

odororous

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.6462 D₈₅= 0.3755 D₆₀= 0.0742
 D₅₀= 0.0659 D₃₀= 0.0531 D₁₅= 0.0164
 D₁₀= 0.0106 C_u= 7.00 C_c= 3.58

Classification

USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH

CLIENT INFORMATION

REPORT TO BE SENT TO:

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

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60893795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☐ 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
3. Heavy Metals
4. PCBs Hexachloro
5. Dioxin
6. Grain Size
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									Method	Specify Preservatives	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	PR132-S10-000022-20251017	S		X	10/17	0945	11	X	X	X	X	X	X	X	X				
2.	PR132-S10-022047-20251017	S		X	10/17	0955	11	X	X	X	X	X	X	X	X				
3.	PR132-S08-013038-20251017	S		X	10/17	0855	11	X	X	X	X	X	X	X	X				
4.	PR132-S06-000021-20251017	S		X	10/17	0800	11	X	X	X	X	X	X	X	X				
5.	Temp Blank	A			10/17		1	X	X	X	X	X			X				
6.	PR132-S08-000013-20251017	S		X	10/17	0845	11	X	X	X	X	X	X	X	X				
7.																			
8.																			
9.																			
10.																			

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

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 10-17-25	RECEIVED BY: 3.	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO