

DATA PACKAGE

SUB - DATA

PROJECT NAME : REAC - 83150.1.029.08ME.A.LPV818.0800

TECHLAW CONSULTANTS, INC

14840 Conference Center Dr.

Suite #200

Chantilly, VA - 20151

Phone No: 703-818-3205

ORDER ID : Q1997

ATTENTION : Jim Burden



Cover Page

Order ID : Q1997

Project ID : REAC - 83150.1.029.08ME.A.LPV818.0800

Client : TechLaw Consultants, Inc

Lab Sample Number

Q1997-01
Q1997-02

Client Sample Number

ERT-277
ERT-278

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 : _____

Date: 5/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



GEOLAB

• NEW JERSEY
1017 GREELEY AVE SOUTH
UNION, NJ 07083
908.964.0786

• SOUTH CAROLINA
49 BROWNS COVE ROAD SUITE 6
RIDGELAND, SC 29936
848.316.9950

Letter of Transmittal

Date: 5-16-25

Job No.: 889

Lab Log: 25-4166

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

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q1997 – REAC-83150.1.029.08ME.A.LPV818.0800

Sample(s) ID: **ERT-277, -278**

Dear Yazmeen,

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

- ASTM D422 Sieve Analysis
- ASTM D7263 Bulk Density

Regards,
RSA Geolab, LLC

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

Signed: _____

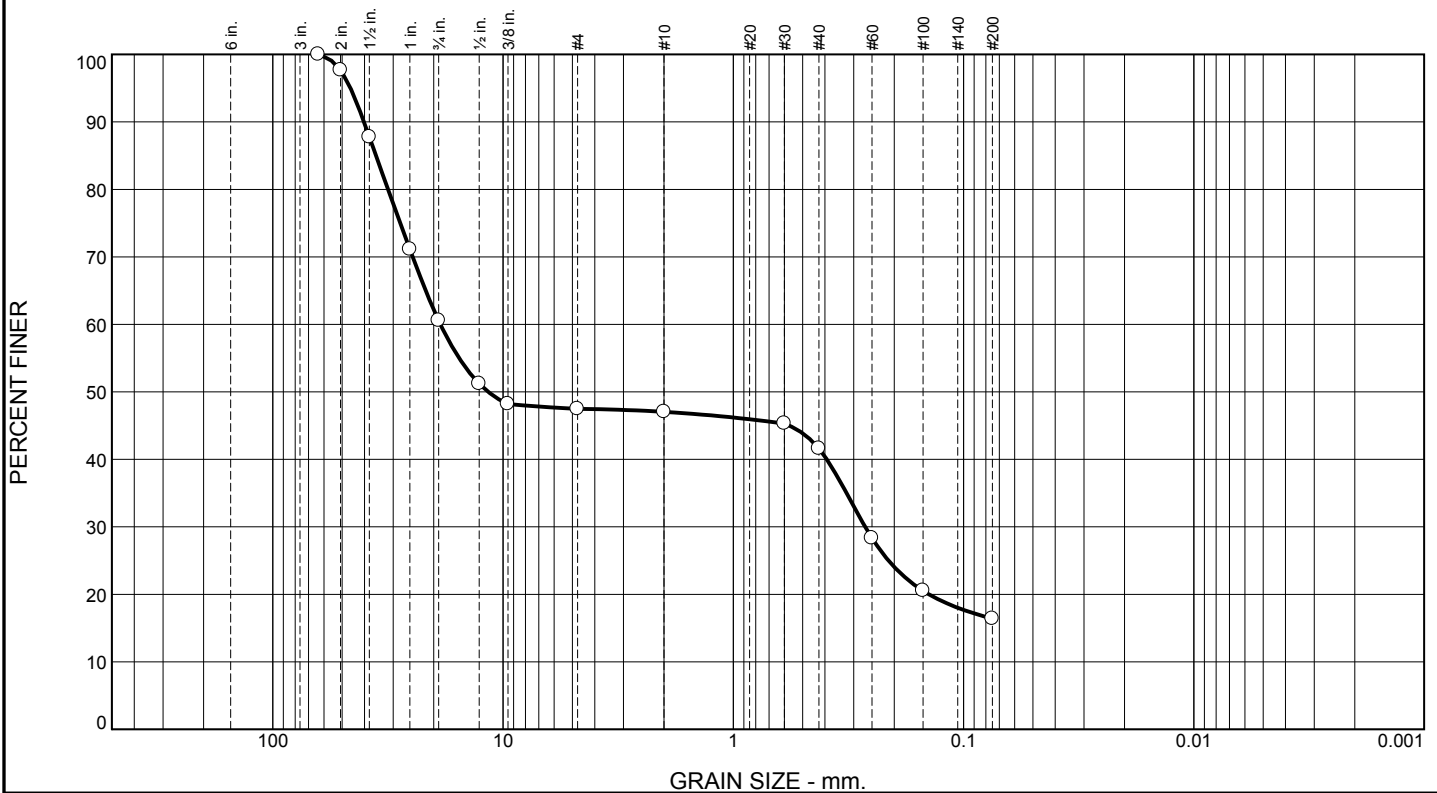
Dr. Raza S. Ahmed
President RSA Geolab, LLC

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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	39.4	13.1	0.5	5.4	25.2	16.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2.5	100.0		
2	97.7		
1.5	87.8		
1	71.1		
.75	60.6		
.5	51.2		
.375	48.2		
#4	47.5		
#10	47.0		
#30	45.3		
#40	41.6		
#60	28.3		
#100	20.5		
#200	16.4		

* (no specification provided)

Material Description
Grayish Brown

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 40.2331 D₈₅= 35.6494 D₆₀= 18.7165
 D₅₀= 11.6142 D₃₀= 0.2676 D₁₅=
 D₁₀= C_u= C_c=

Classification
 USCS= AASHTO=

Remarks

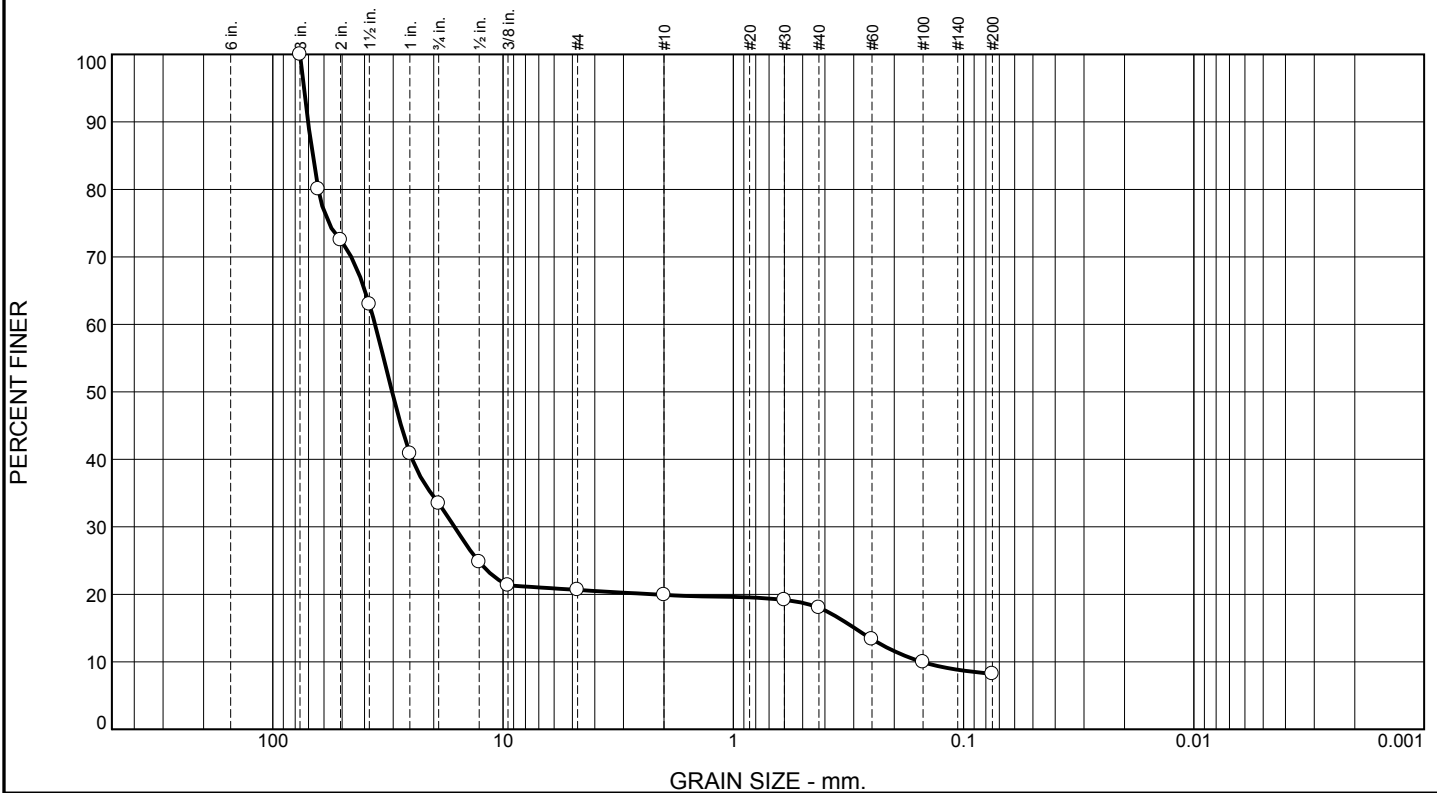
Sample Number: ERT-277

Date: 5-16-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q1997 - REAC-83150.1.029.08ME.A.LPV818.0800
	Project No: 889 Figure

Tested By: OH Checked By: KP

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	66.5	12.8	0.8	1.9	9.8	8.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3	100.0		
2.5	80.1		
2	72.5		
1.5	63.0		
1	40.9		
.75	33.5		
.5	24.8		
.375	21.3		
#4	20.7		
#10	19.9		
#30	19.2		
#40	18.0		
#60	13.4		
#100	9.9		
#200	8.2		

* (no specification provided)

Sample Number: ERT-278

Date: 5-16-25

Material Description

Grayish Brown

PL=

Atterberg Limits

LL=

PI=

Coefficients

D₉₀= 70.2807

D₈₅= 67.1483

D₆₀= 35.9934

D₅₀= 30.3467

D₃₀= 16.2601

D₁₅= 0.2973

D₁₀= 0.1519

C_u= 236.93

C_c= 48.35

Classification

USCS=

AASHTO=

Remarks

RSA Geolab

Union, New Jersey

Client: Alliance Technical Group

Project: Q1997 - REAC-83150.1.029.08ME.A.LPV818.0800

Project No: 889

Figure

Tested By: OH

Checked By: KP



1017 Greeley Ave N
Union, NJ 07083
908-964-0786
www.RSAGeolab.com

DENSITY TEST
ASTM D7263

Project: REAC - 83150.1.029.08ME.A.LPV818.0800
Order ID: Q1997
Client: Alliance Technical Group

L#25-4166
Project #: 889
Date: 5/16/2025

	Sample	Height (in)	Dry Weight (gms)	Unit Weight at S-1 (pcf)
1	ERT-273	6.90	10516	120.01
2	ERT-274	3.40	5054	118.59
3	ERT-275	8.20	14140	127.60
4	ERT-276	5.00	6650	112.66
5	ERT-277	5.30	9198	128.02
6	ERT-278	6.40	11568	130.74
7	ERT-279	7.10	9300	111.90

Remarks: 1. Bucket samples. Unable to take exact measurements. Data may not be representative of the in-situ conditions.
2. S-1 = Assumed 100% Saturation.
3. Specific Gravity Assumed.

Tested by: VS

Entered by: KH

Checked by: KP

