

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 : Q1996

ATTENTION : Jim Burden



Cover Page

Order ID : Q1996

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

Client : TechLaw Consultants, Inc

Lab Sample Number

Q1996-01
Q1996-02

Client Sample Number

ERT-275
ERT-276

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 10:47 am, May 19, 2025

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: Q1996 – REAC-83150.1.029.08ME.A.LPV818.0800

Sample(s) ID: **ERT--275, -276**

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: _____

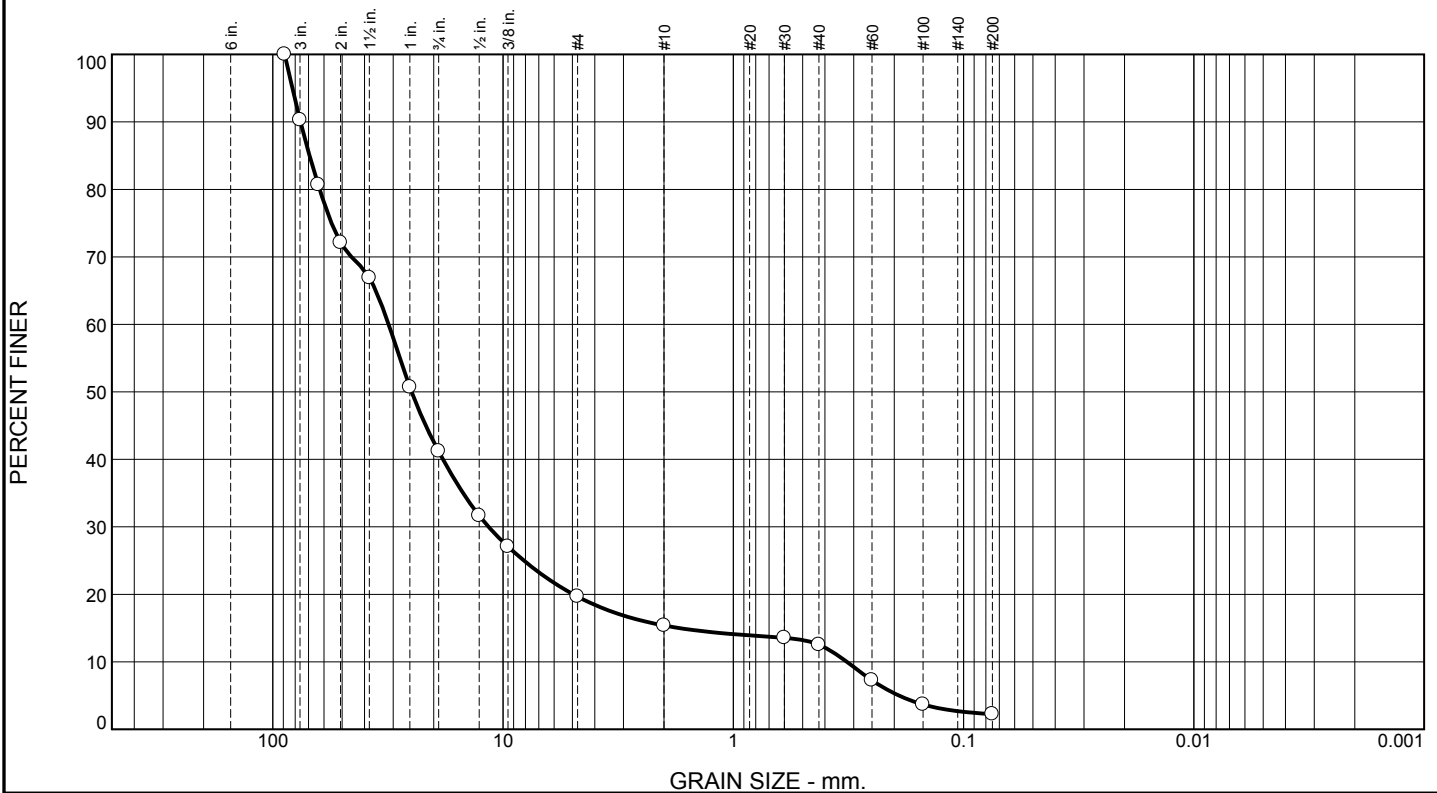
Dr. Raza S. Ahmed
President RSA Geolab, LLC

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

RSA's Geolab's Geotechnical Laboratory testing was performed and results reported in accordance with ASTM standards and accepted industry standards. No other representations or warranties either express or implied are given. RSA Geolab, LLC neither accepts responsibility for nor makes claim to the final use and purpose of the material tested.

RSA Geolab, LLC owns all rights, title and interest of the work product. This report is intended for client's sole and exclusive use and not for the benefit of others and may not be used or relied upon by others. These documents must be considered proprietary information and should not be reproduced without the written approval of RSA Geolab, LLC.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
9.7	49.1	21.5	4.3	2.9	10.3	2.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3.5	100.0		
3	90.3		
2.5	80.7		
2	72.1		
1.5	66.9		
1	50.7		
.75	41.2		
.5	31.6		
.375	27.1		
#4	19.7		
#10	15.4		
#30	13.5		
#40	12.5		
#60	7.3		
#100	3.7		
#200	2.2		

* (no specification provided)

Material Description		
Gray		
PL=	Atterberg Limits LL=	PI=
D ₉₀ = 75.8212	Coefficients D ₈₅ = 69.2660	D ₆₀ = 31.4081
D ₅₀ = 24.9696	D ₃₀ = 11.5694	D ₁₅ = 1.7203
D ₁₀ = 0.3214	C _u = 97.73	C _c = 13.26
USCS= GP	Classification AASHTO=	
Remarks		

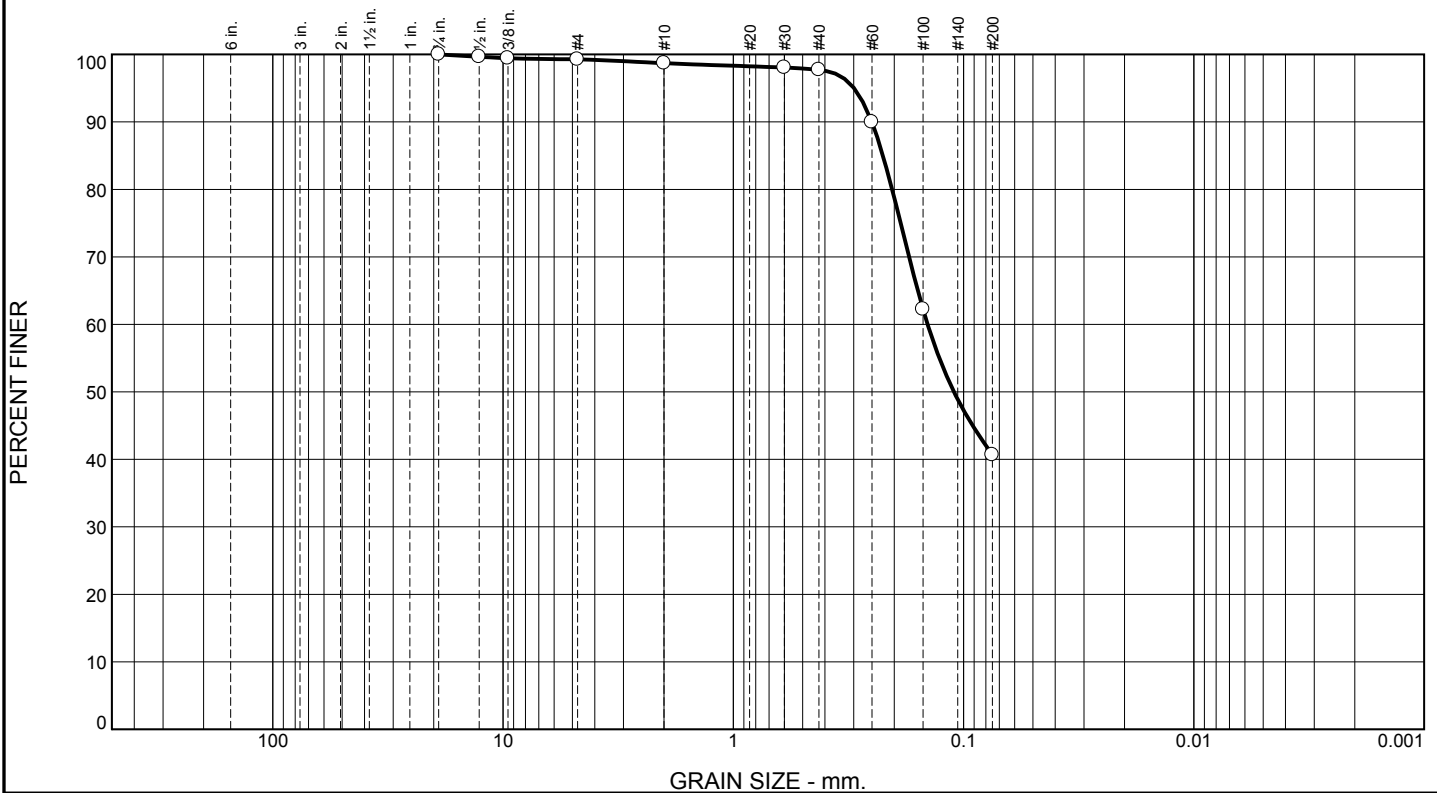
Sample Number: ERT-275

Date: 5-16-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q1996 - 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	0.0	0.7	0.6	1.0	57.0	40.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.5	99.6		
.375	99.4		
#4	99.3		
#10	98.7		
#30	98.0		
#40	97.7		
#60	90.0		
#100	62.2		
#200	40.7		

* (no specification provided)

Material Description
Grayish Brown

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.2503 D₈₅= 0.2241 D₆₀= 0.1433
 D₅₀= 0.1102 D₃₀= D₁₅=
 D₁₀= C_u= C_c=

Classification
 USCS= AASHTO=

Remarks

Sample Number: ERT-276

Date: 5-16-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q1996 - 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: Q1996
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

No: 8-050825-093601-0018

Cooler #: 3

Lab: CHEMTECH

Lab Phone: 908-728-3144

19

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

ALL ANALYSIS	<i>ld</i>	EPA/ERT	5/8/2025 09:50	<i>SN</i>	5-9-25 1018	19-B-C IRGUN #1
						custody seals intact
						NO ICE