

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 : _____

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: _____

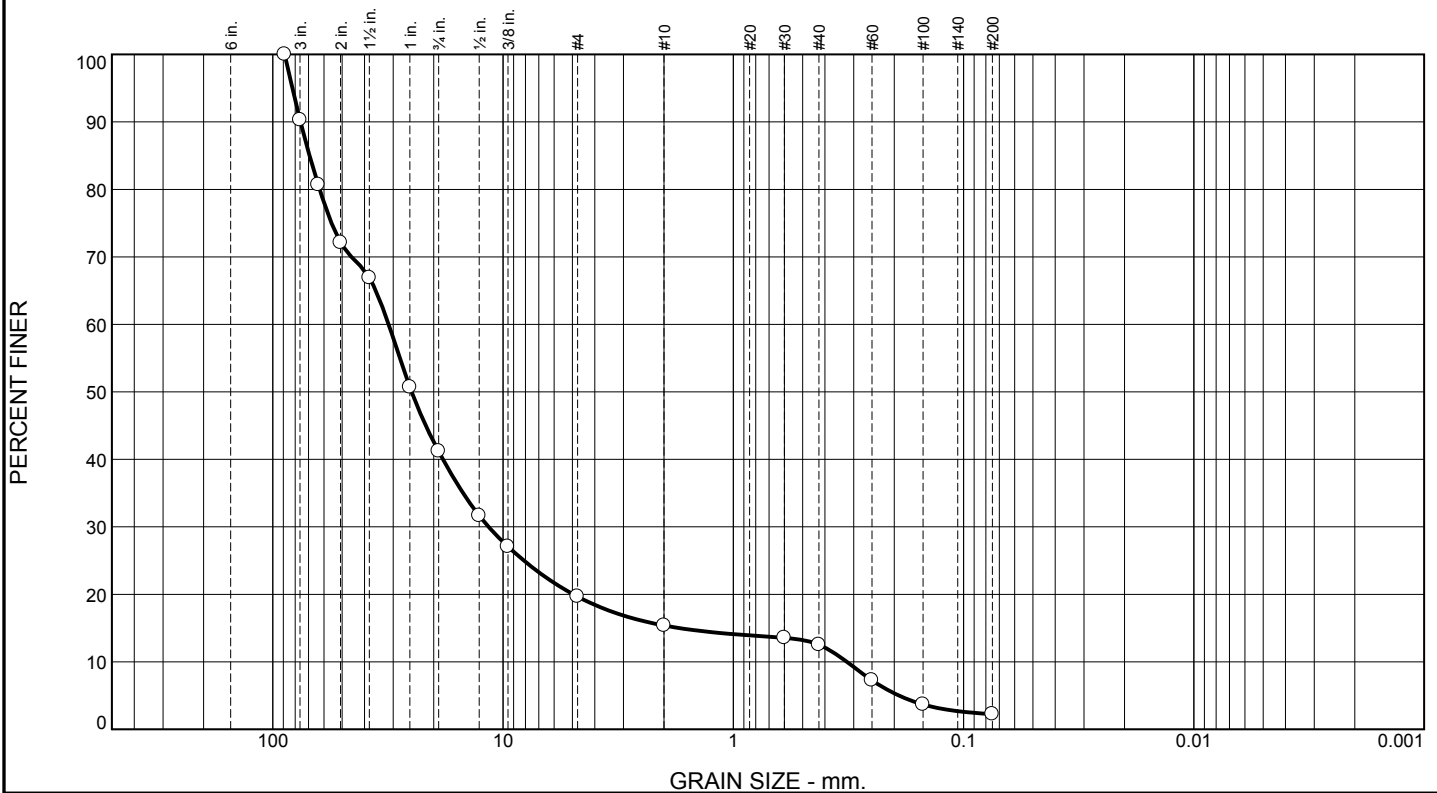
Dr. Raza S. Ahmed
President RSA Geolab, LLC

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

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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=

Coefficients

D₉₀= 75.8212

D₈₅= 69.2660

D₆₀= 31.4081

D₅₀= 24.9696

D₃₀= 11.5694

D₁₅= 1.7203

D₁₀= 0.3214

C_u= 97.73

C_c= 13.26

Classification

USCS= GP

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

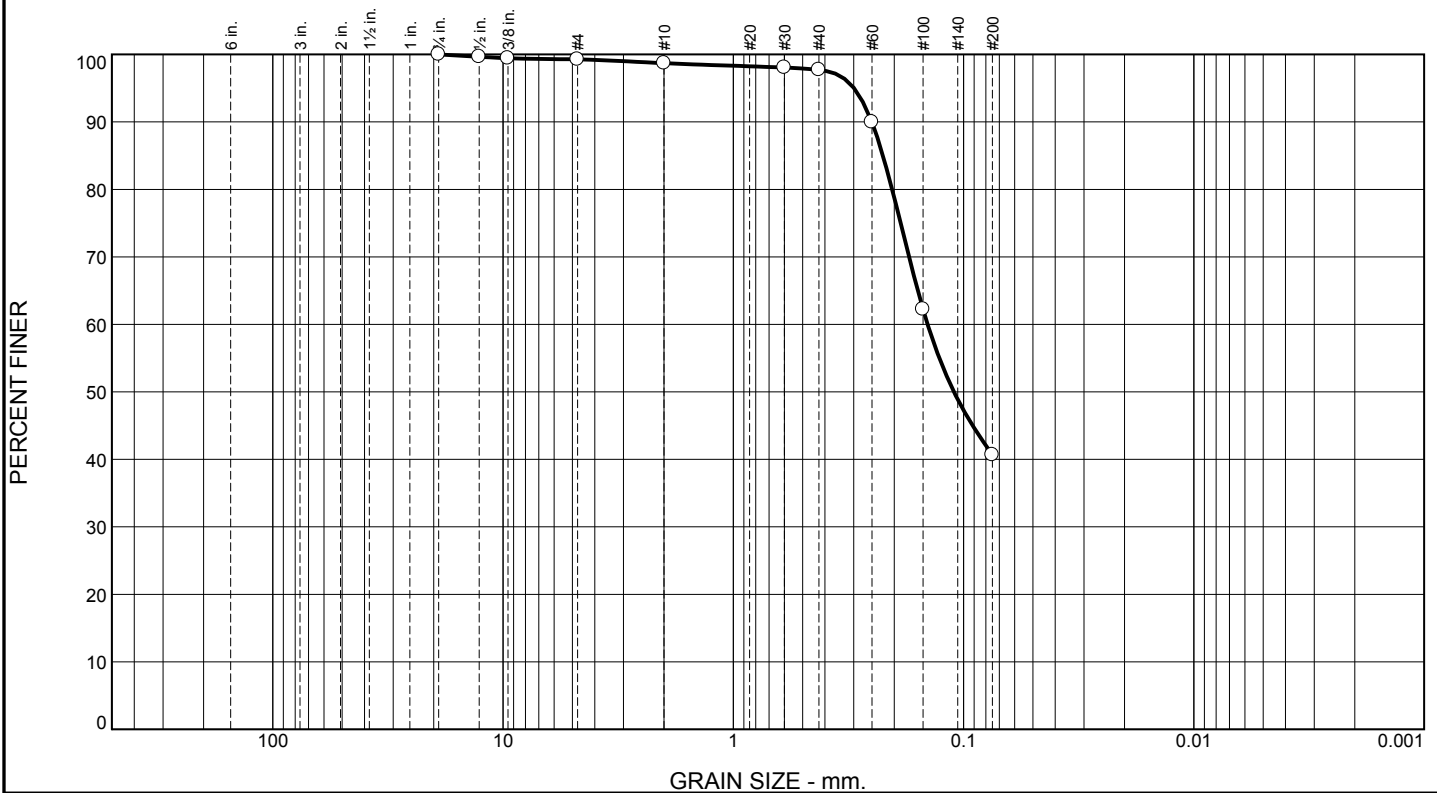
Project No: 889

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>[Signature]</i> | EPA/ERT | 5/8/2025 09:50 | <i>[Signature]</i> | 5-9-25 1018 | 19-B-C IRGUN #1 |
| | | | | | | custody seals intact |
| | | | | | | NO ICE |