

## **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 : Q1998**

**ATTENTION : Jim Burden**



## Cover Page

**Order ID :** Q1998

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

**Client :** TechLaw Consultants, Inc

**Lab Sample Number**

Q1998-01  
Q1998-02

**Client Sample Number**

ERT-273  
ERT-274

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 11:42 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: Q1998 – REAC-83150.1.029.08ME.A.LPV818.0800

Sample(s) ID: **ERT-273, -274**

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: \_\_\_\_\_

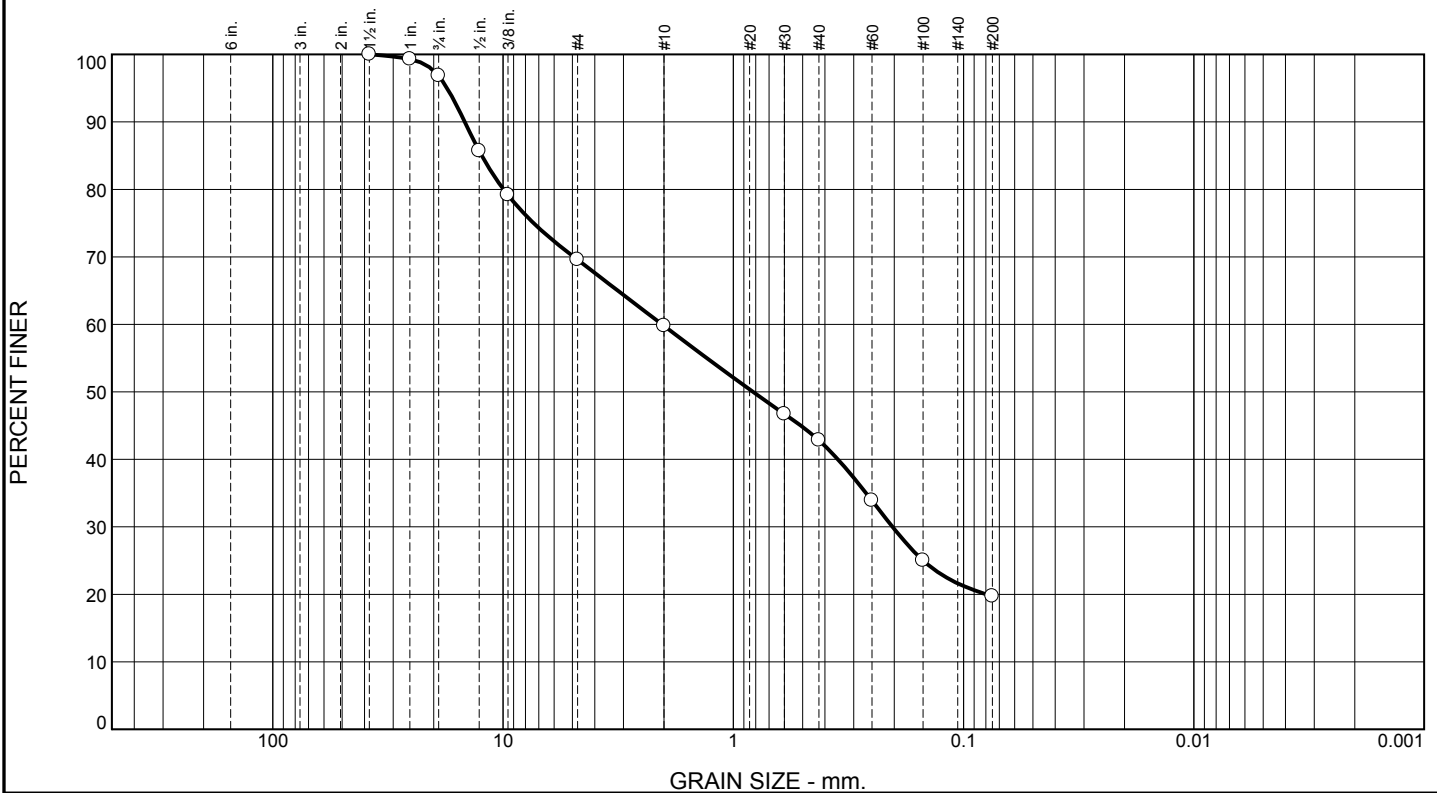
Dr. Raza S. Ahmed  
President RSA Geolab, LLC

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# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 3.2      | 27.2 | 9.8    | 17.0   | 23.1 | 19.7    |      |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| 1.5        | 100.0         |                |              |
| 1          | 99.3          |                |              |
| .75        | 96.8          |                |              |
| .5         | 85.7          |                |              |
| .375       | 79.2          |                |              |
| #4         | 69.6          |                |              |
| #10        | 59.8          |                |              |
| #30        | 46.7          |                |              |
| #40        | 42.8          |                |              |
| #60        | 33.9          |                |              |
| #100       | 25.0          |                |              |
| #200       | 19.7          |                |              |

\* (no specification provided)

**Material Description**  
Grayish Brown

**Atterberg Limits**  
 PL=      LL=      PI=

**Coefficients**  
 D<sub>90</sub>= 14.6753      D<sub>85</sub>= 12.3833      D<sub>60</sub>= 2.0411  
 D<sub>50</sub>= 0.8214      D<sub>30</sub>= 0.2036      D<sub>15</sub>=  
 D<sub>10</sub>=      C<sub>u</sub>=      C<sub>c</sub>=

**Classification**  
 USCS=      AASHTO=

**Remarks**

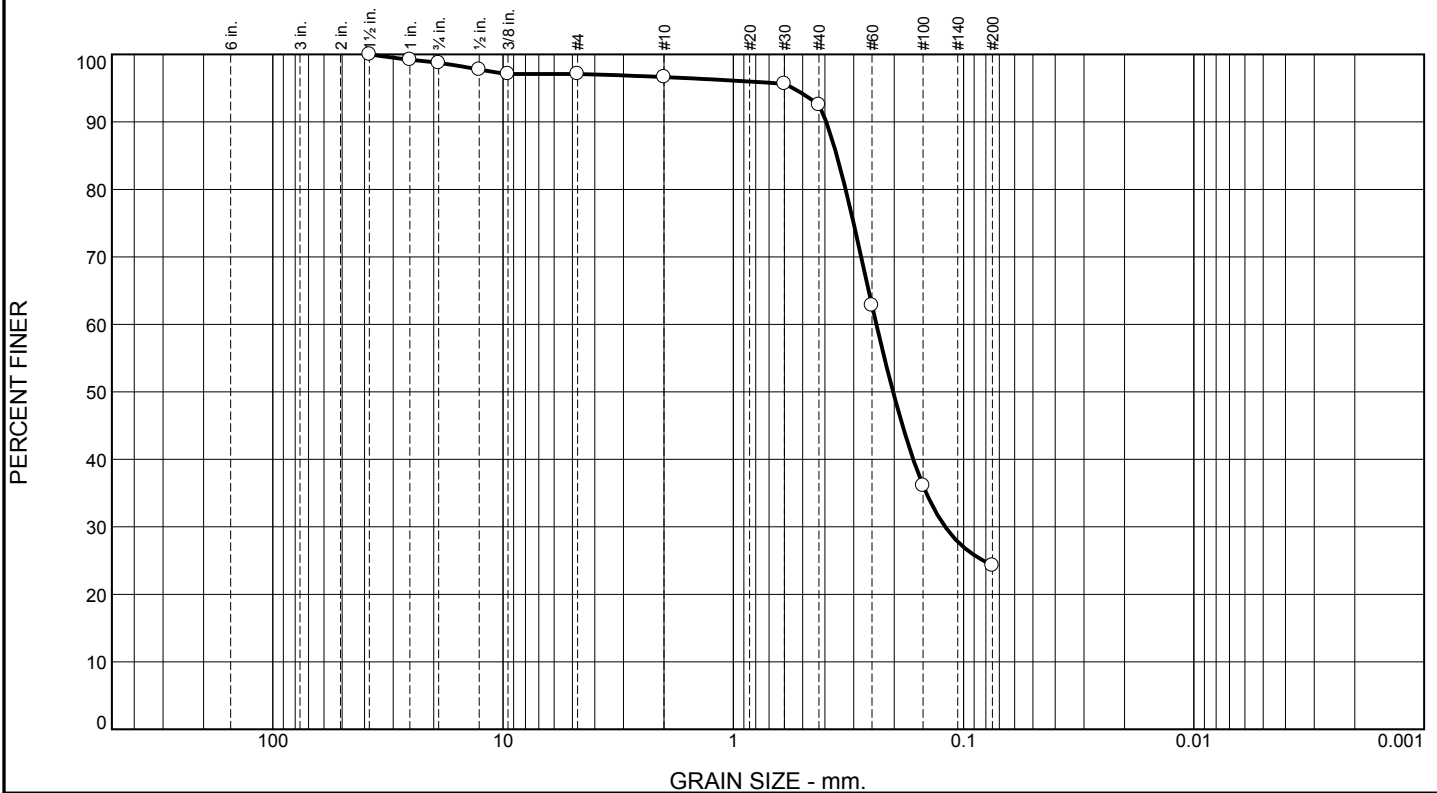
Sample Number: ERT-273

Date: 5-16-25

|   |  |
|---|--|
| <b>RSA Geolab</b><br><br><b>Union, New Jersey</b> | <b>Client:</b> Alliance Technical Group<br><b>Project:</b> Q1998 - REAC-83150.1.029.08ME.A.LPV818.0800 |
|   | <b>Project No:</b> 889<br><b>Figure</b>  |

Tested By: OH      Checked By: KP

# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 1.3      | 1.6  | 0.5    | 4.1    | 68.2 | 24.3    |      |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| 1.5        | 100.0         |                |              |
| 1          | 99.2          |                |              |
| .75        | 98.7          |                |              |
| .5         | 97.8          |                |              |
| .375       | 97.1          |                |              |
| #4         | 97.1          |                |              |
| #10        | 96.6          |                |              |
| #30        | 95.7          |                |              |
| #40        | 92.5          |                |              |
| #60        | 62.8          |                |              |
| #100       | 36.1          |                |              |
| #200       | 24.3          |                |              |

\* (no specification provided)

**Material Description**

Dark Grayish Brown

PL=      **Atterberg Limits**      PI=

LL=

**Coefficients**

D<sub>90</sub>= 0.3949      D<sub>85</sub>= 0.3551      D<sub>60</sub>= 0.2392

D<sub>50</sub>= 0.2024      D<sub>30</sub>= 0.1203      D<sub>15</sub>=

D<sub>10</sub>=      C<sub>u</sub>=      C<sub>c</sub>=

**Classification**

USCS=      AASHTO=

**Remarks**

Sample Number: ERT-274

Date: 5-16-25

|   |  |
|---|--|
| <b>RSA Geolab</b><br><br><b>Union, New Jersey</b> | <b>Client:</b> Alliance Technical Group<br><b>Project:</b> Q1998 - REAC-83150.1.029.08ME.A.LPV818.0800 |
|   | <b>Project No:</b> 889<br><b>Figure</b>  |

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: Q1998  
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: 8-050825-093346-0017**



Cooler #: 2

Lab: CHEMTECH

Lab Phone: 908-728-3144



|                          |
|--------------------------|
| SAMPLES TRANSFERRED FROM |
| CHAIN OF CUSTODY #       |

| Items/Reason   | Relinquished by (Signature and Organization)  | Date/Time         | Received by (Signature and Organization)   | Date/Time      | Sample Condition Upon Receipt |
|----------------|---|-------------------|--|----------------|-------------------------------|
| ALL/ADAC(Y) IS |  EPA/ERT | 5/8/2025<br>09:50 |  | 5-9-25<br>1018 | 18.9°C<br>IR gun #1           |
|                |   |                   |  |                | custody seals intact          |
|                |   |                   |  |                | NO ICE                        |
|                |   |                   |  |                |                               |