284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB -DATA

PROJECT NAME : OVEC - KYGER CREEK

ENTACT.

150 Bay Street

Suite 806

Jersey City, NJ - 07302

Phone No: 201-356-9196

ORDER ID : Q2938

ATTENTION : Wyatt Steel

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q2938

Project ID : OVEC - Kyger Creek

Client : ENTACT.

Lab Sample Number	Client Sample Number
Q2938-01	LF1-GM
Q2938-02	LF1-G

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 1:57 pm, Sep 10, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

RSA 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: 9-10-25 Job No.: 889 Lab Log: 25-4471

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

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q2938 – OVEC – Kyger Creek

Sample(s) ID: **LF1-GM, LF1-G**

Dear Yazmeen,

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

- ASTM D4318 Atterberg Limits
- ASTM D422 Sieve & Hydrometer Analysis
- ASTM D2216 Moisture Content
- ASTM D698 Standard Proctor

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 GEOLAB

New Jersey
1017 Greeley Ave N
Union, NJ 07083
908-964-0786

South Carolina
49 Browns Cove Road, Suite 6
Ridgeland, SC 29936
843-816-9950

MOISTURE CONTENT (ASTM D2216)

Project: OVEC - Kyger Creek Q2938
Project #: 889
Client: Alliance Technical Group
Date: 9-10-25

HOLE #/ SAMPLE #	LF1-GM	LF1-G				
DEPTH						
WET WGT. + TARE (gms.)	537.5	385.8				
DRY WGT. + TARE (gms.)	453.8	297.4				
WGT. WATER (gms.)	83.7	88.4				
TARE (gms.)	13.7	13.8				
DRY WGT. (gms.)	440.1	283.6				
MOISTURE CONTENT (%)	**19.0**	**31.2**				

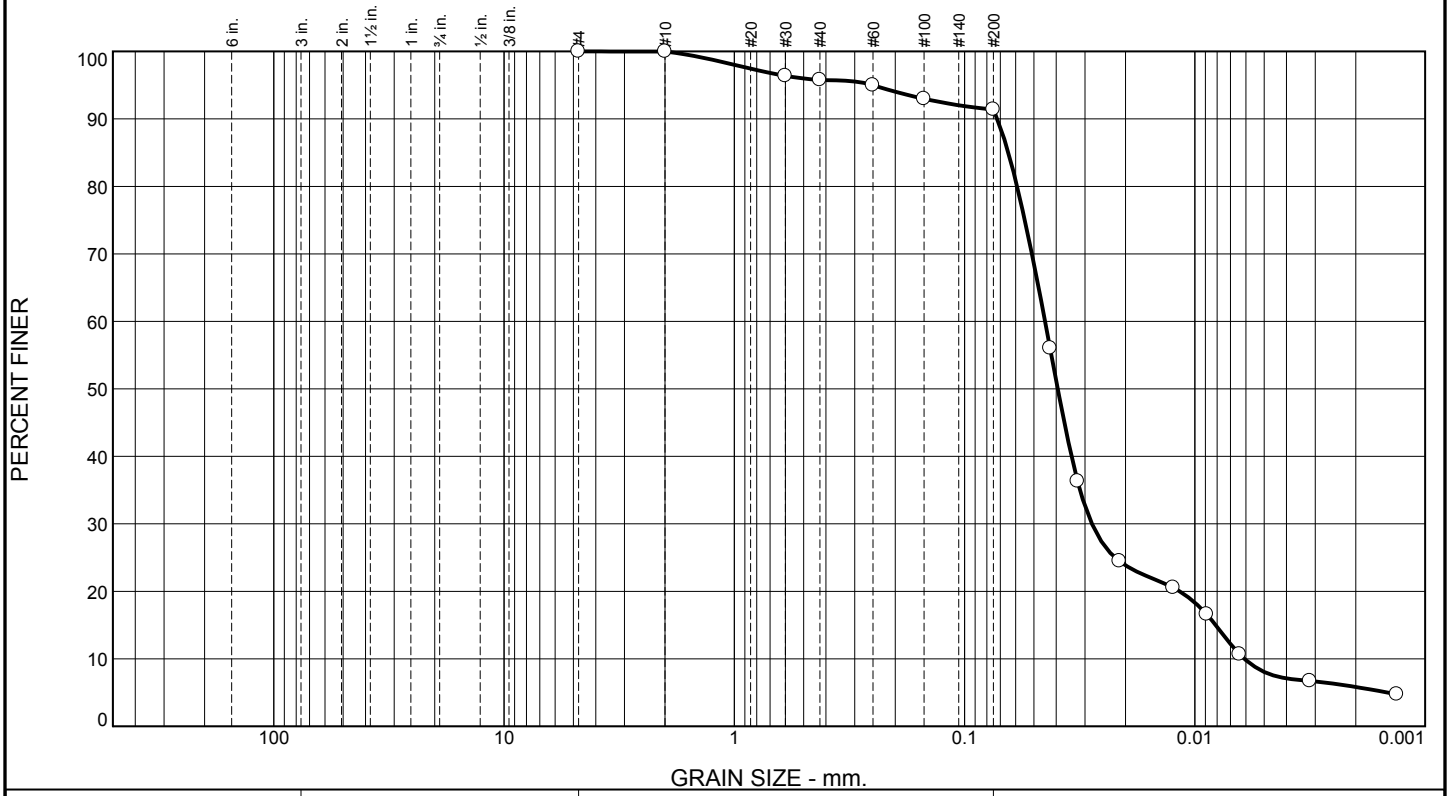
HOLE #/ SAMPLE #						
DEPTH						
WET WGT. + TARE (gms.)						
DRY WGT. + TARE (gms.)						
WGT. WATER (gms.)						
TARE (gms.)						
DRY WGT. (gms.)						
MOISTURE CONTENT (%)						

Tested by: SP Entered by: KH Checked by: KH

https: www.rsageolab.com
email: rsa@rsageolab.com

EM\NY-GL\IGNITION\Alliance.XLS

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	4.2	4.4	83.3	8.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#30	96.4		
#40	95.8		
#60	95.0		
#100	93.0		
#200	91.4		

* (no specification provided)

Material Description

Pale Yellow elastic silt

Atterberg Limits

PL= 49 LL= 56 PI= 7

Coefficients

D_{90}= 0.0721 D_{85}= 0.0646 D_{60}= 0.0447
D_{50}= 0.0394 D_{30}= 0.0280 D_{15}= 0.0081
D_{10}= 0.0061 C_u= 7.34 C_c= 2.87

Classification

USCS= MH AASHTO= A-5(13)

Remarks

Sample Number: LF1-G

Date: 9-10-25

RSA Geolab

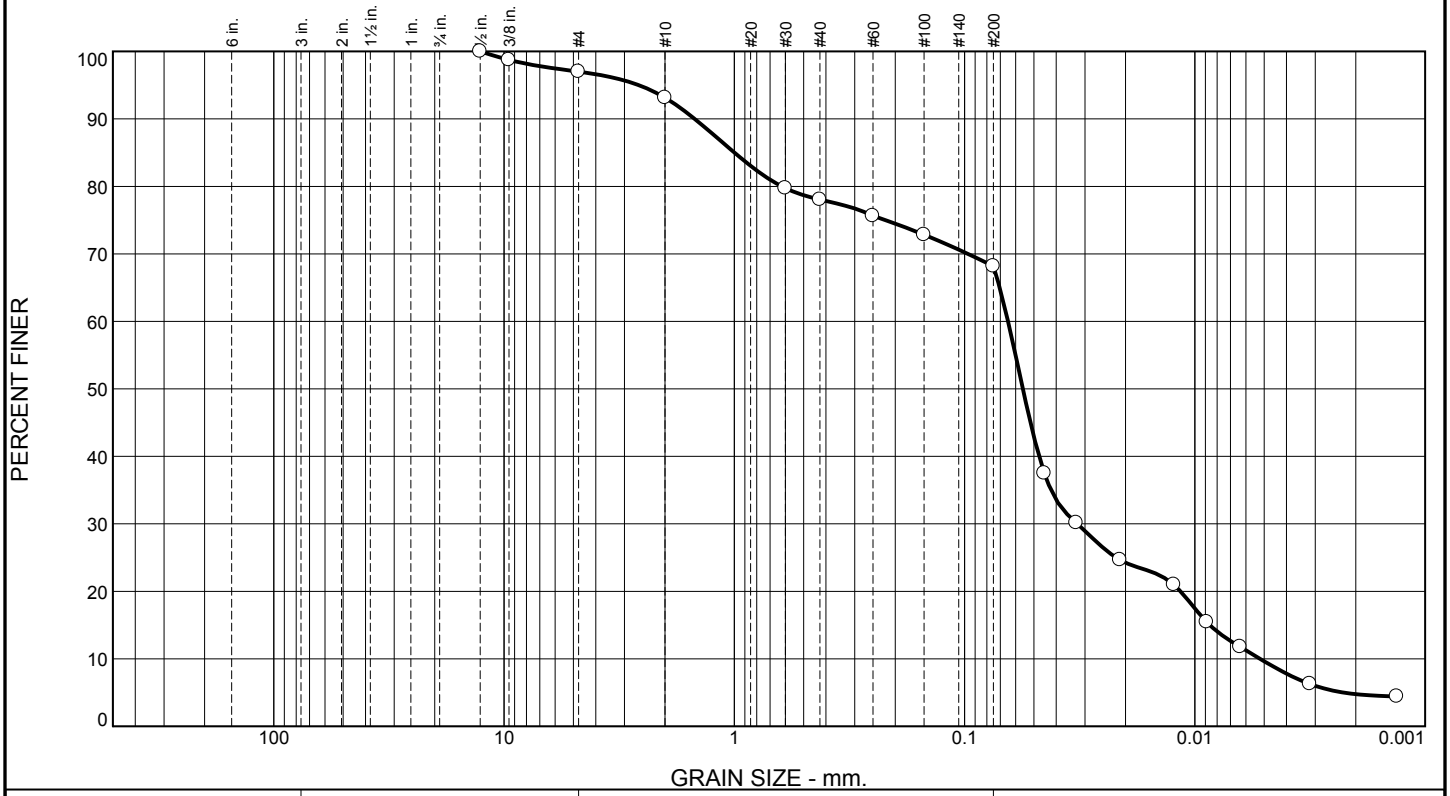
Union, New Jersey

Client: Alliance Technical Group
Project: Q2938 - OVEC - Kyger Creek

Project No: 889 **Figure**

Tested By: JK **Checked By:** KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.0	3.9	15.1	9.8	58.6	9.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5	100.0		
.375	98.8		
#4	97.0		
#10	93.1		
#30	79.7		
#40	78.0		
#60	75.6		
#100	72.8		
#200	68.2		

* (no specification provided)

Material Description

Gray sandy silt

Atterberg Limits

PL= 31 LL= 38 PI= 7

Coefficients

D_{90}= 1.4867 D_{85}= 0.9991 D_{60}= 0.0648
D_{50}= 0.0558 D_{30}= 0.0324 D_{15}= 0.0086
D_{10}= 0.0052 C_u= 12.43 C_c= 3.11

Classification

USCS= ML AASHTO= A-4(5)

Remarks

Sample Number: LF1-GM

Date: 9-10-25

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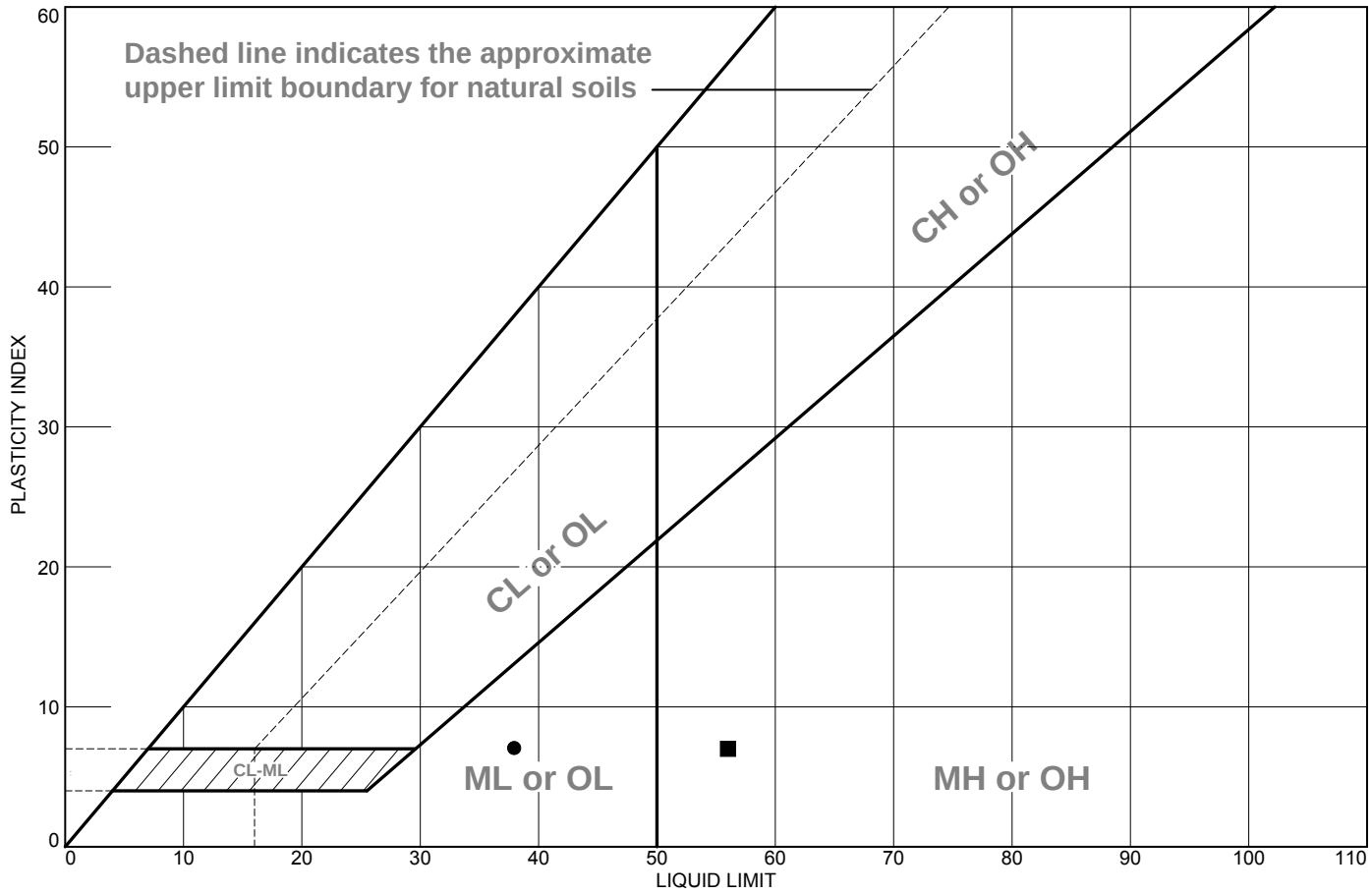
Union, New Jersey

Client: Alliance Technical Group
Project: Q2938 - OVEC - Kyger Creek

Project No: 889 **Figure**

Tested By: JK **Checked By:** KH

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Gray sandy silt	38	31	7	78.0	68.2	ML
■	Pale Yellow elastic silt	56	49	7	95.8	91.4	MH

Project No. 889 **Client:** Alliance Technical Group

Project: Q2938 - OVEC - Kyger Creek

●**Sample Number:** LF1-GM

■**Sample Number:** LF1-G

Remarks:

●9-10-25

RSA Geolab

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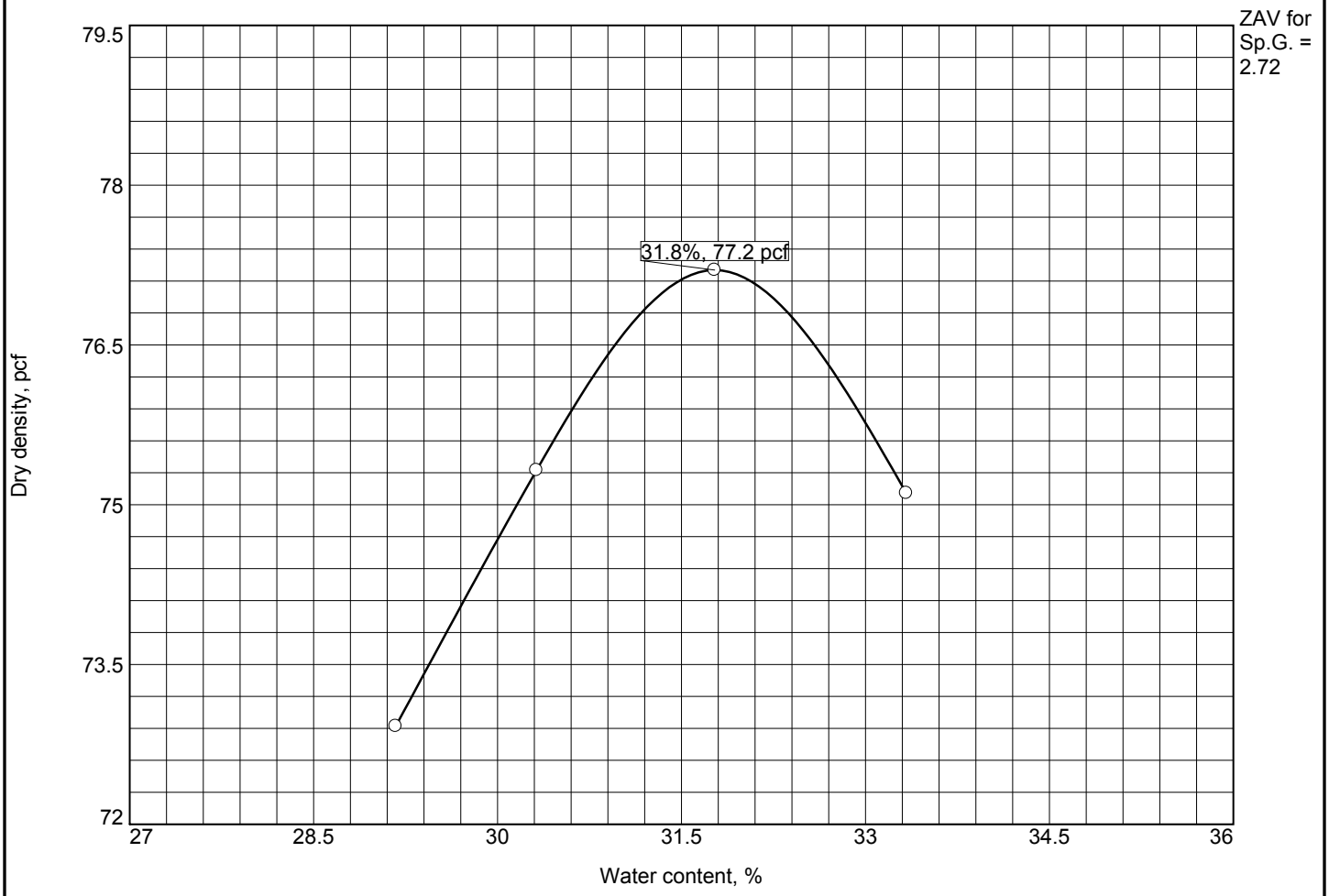
Figure

Tested By: JK **Checked By:** KH

COMPACTION TEST REPORT



Test specification: ASTM D 698-12 Method B Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
	MH	A-5(13)		2.72	56	7	0.0	91.4

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 77.2 pcf Optimum moisture = 31.8 %	Pale Yellow elastic silt

Project No. 889 **Client:** Alliance Technical Group
Project: Q2938 - OVEC - Kyger Creek

○ **Sample Number:** LF1-G

RSA Geolab

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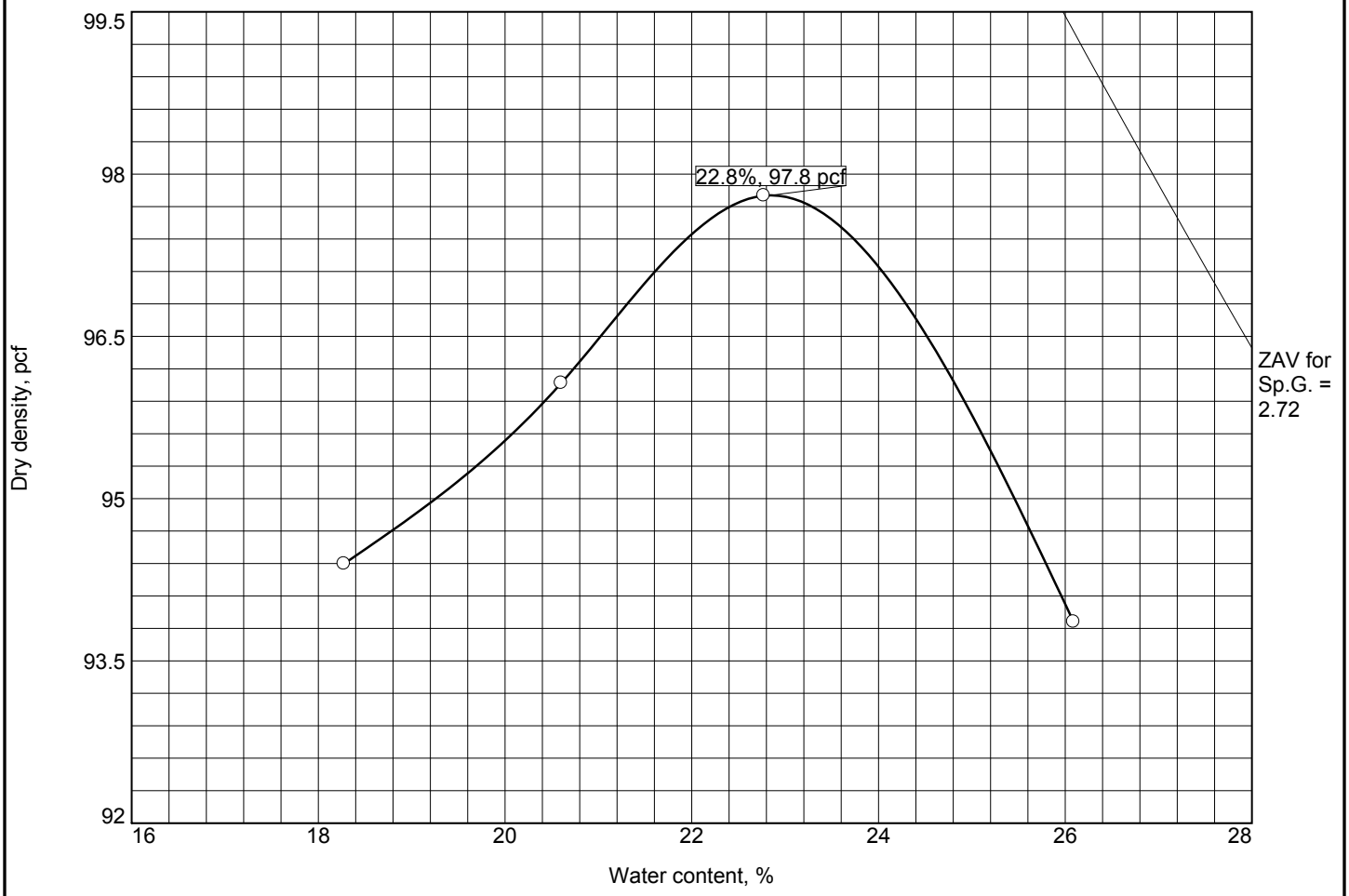
Remarks:
SG Assumed. Machine tested.
9-10-25

Figure

Tested By: DR **Checked By:** KH

COMPACTION TEST REPORT



Test specification: ASTM D 698-12 Method B Standard
ASTM D4718-15 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
	ML	A-4(5)		2.72	38	7	1.2	68.2

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 97.8 pcf	97.3 pcf	Gray sandy silt
Optimum moisture = 22.8 %	23.1 %	

Project No. 889 **Client:** Alliance Technical Group
Project: Q2938 - OVEC - Kyger Creek

○ **Sample Number:** LF1-GM

RSA Geolab

Union, New Jersey

Remarks:
SG Assumed. Machine tested.
9-10-25

Figure

Tested By: DR **Checked By:** KH

Q2938

Q 2938

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 1

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	Kyger Creek
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9412

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	REQUESTED ANALYSIS/METHOD: Standard Proctor ASTM D698-12	SIEVE ASTM D 422-63	Soil Class (ASTM D2487)	Hydraulic Conductivity (ASTM D5084)	Atterberg Limits (ASTM D4318)	COMMENTS
LF1-GM	SOIL	8/21	13:00	S	G			X	X	X	X	X	
LF1-G	SOIL	8/21	13:00	S	G			X	X	X	X	X	

SAMPLER	M. Morrone	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:		SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	8/22/25	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Cessenden Rene	9:25	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

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