

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



Cover Page

Order ID : Q2938

Project ID : OVEC - Kyger Creek

Client : ENTACT.

Lab Sample Number

Q2938-01
Q2938-02

Client Sample Number

LF1-GM
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 : _____



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• 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,

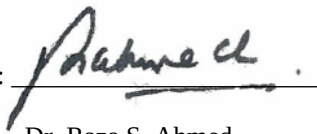
Please find attached results for the samples referenced above. The following lab testing was performed:

- 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

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MOISTURE CONTENT (ASTM D2216)

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

Project #: 889
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 (%)						

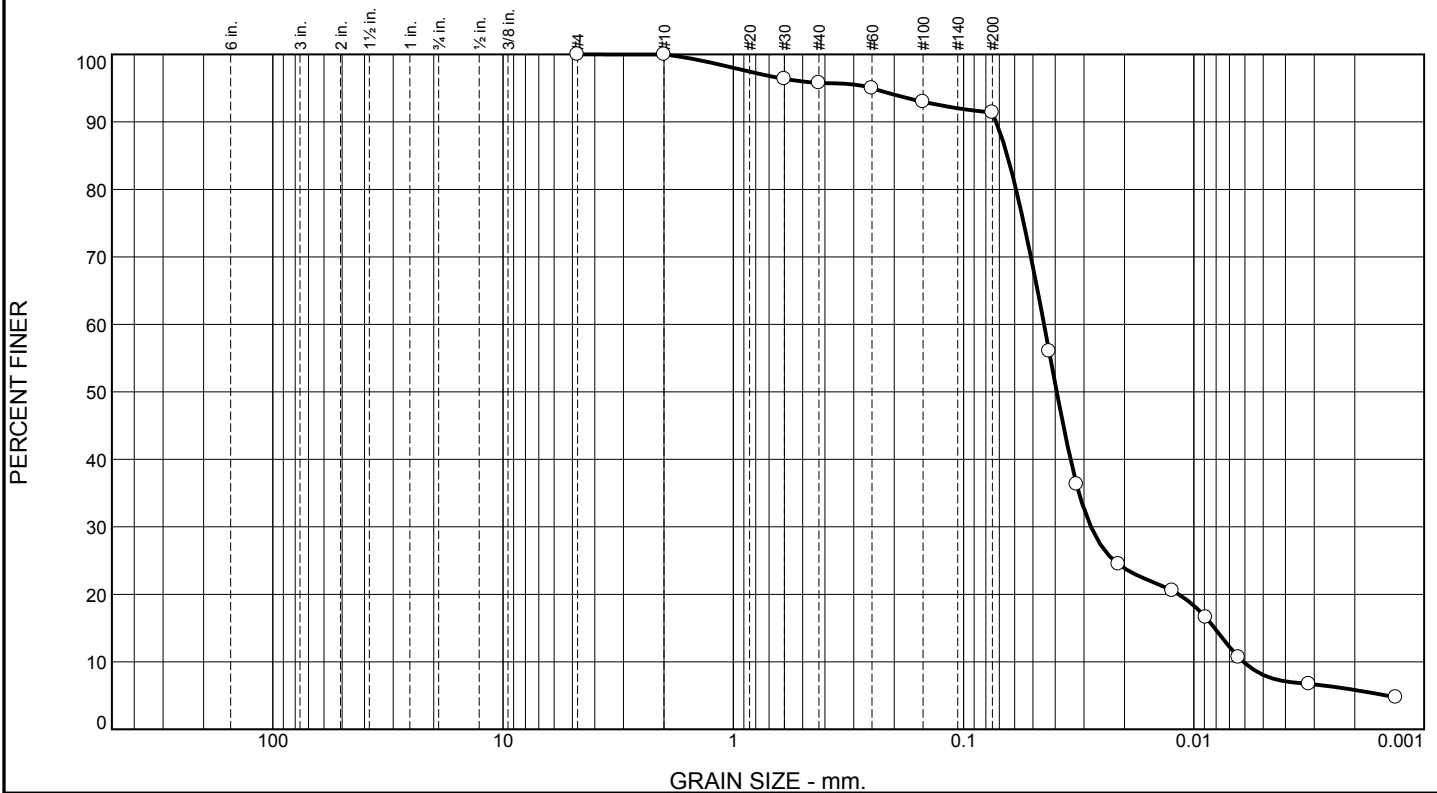
Tested by: SP

Entered by: KH

Checked by: KH

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

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)

Sample Number: LF1-G

Material Description

Pale Yellow elastic silt

Atterberg Limits

PL= 49

LL= 56

PI= 7

Coefficients

D₉₀= 0.0721

D₈₅= 0.0646

D₆₀= 0.0447

D₅₀= 0.0394

D₃₀= 0.0280

D₁₅= 0.0081

D₁₀= 0.0061

C_u= 7.34

C_c= 2.87

Classification

USCS= MH

AASHTO= A-5(13)

Remarks

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Client: Alliance Technical Group

Project: Q2938 - OVEC - Kyger Creek

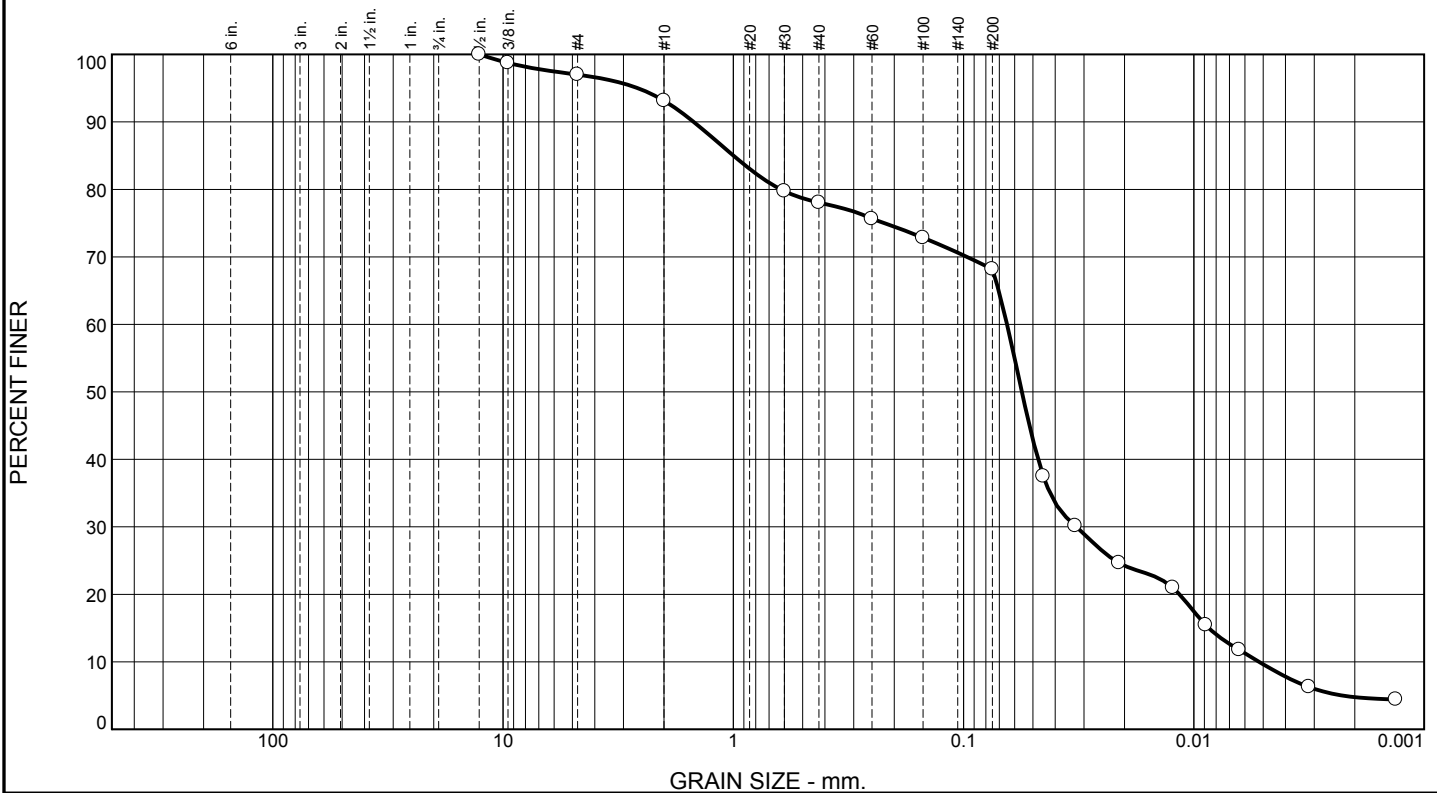
Project No: 889

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)

Sample Number: LF1-GM

Material Description

Gray sandy silt

PL= 31

Atterberg Limits

LL= 38

PI= 7

Coefficients

D₉₀= 1.4867

D₈₅= 0.9991

D₆₀= 0.0648

D₅₀= 0.0558

D₃₀= 0.0324

D₁₅= 0.0086

D₁₀= 0.0052

C_u= 12.43

C_c= 3.11

Classification

USCS= ML

AASHTO= A-4(5)

Remarks

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Project No: 889

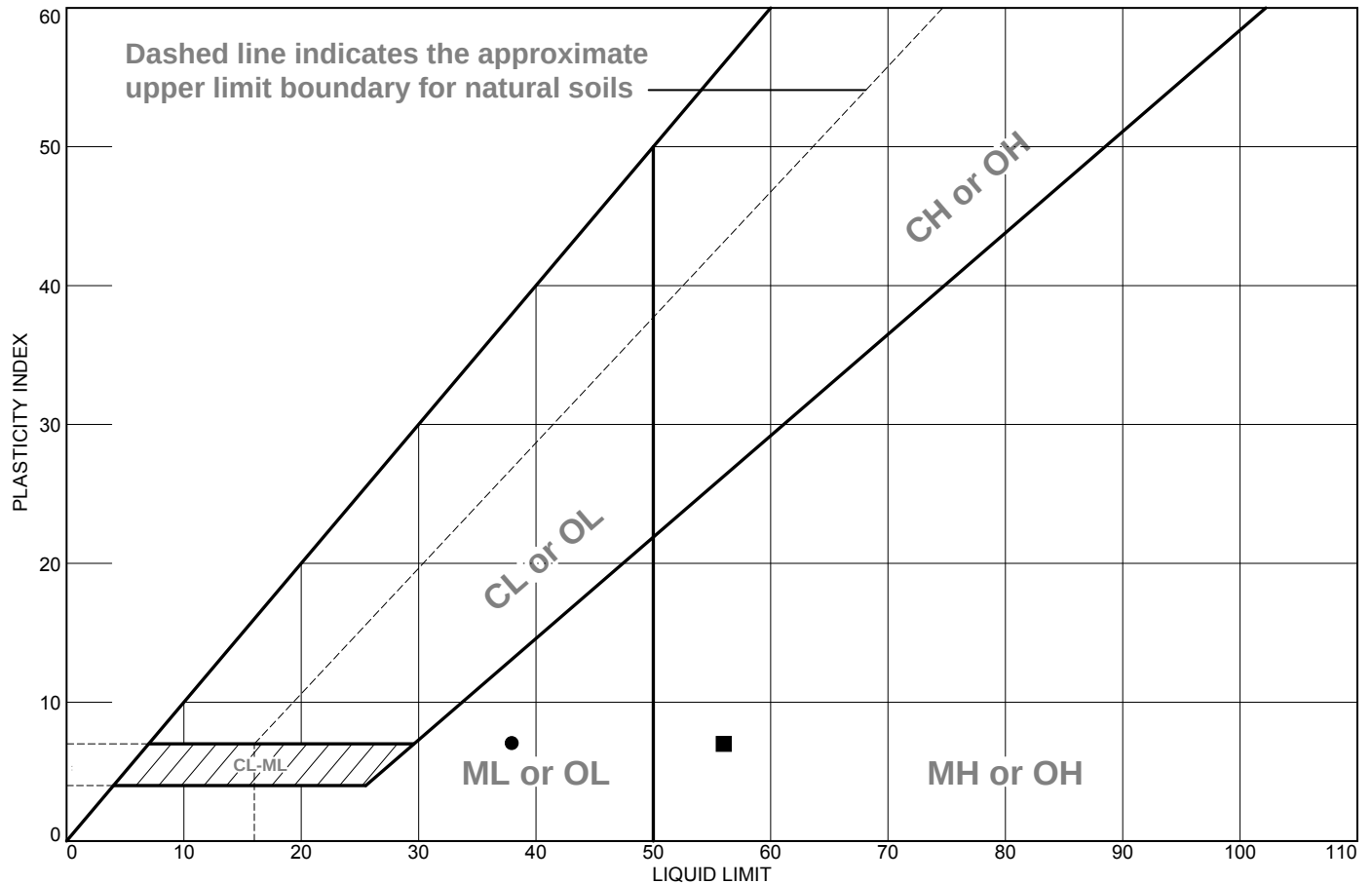
Date: 9-10-25

Figure

Tested By: JK

Checked By: KH

LIQUID AND PLASTIC LIMITS TEST REPORT



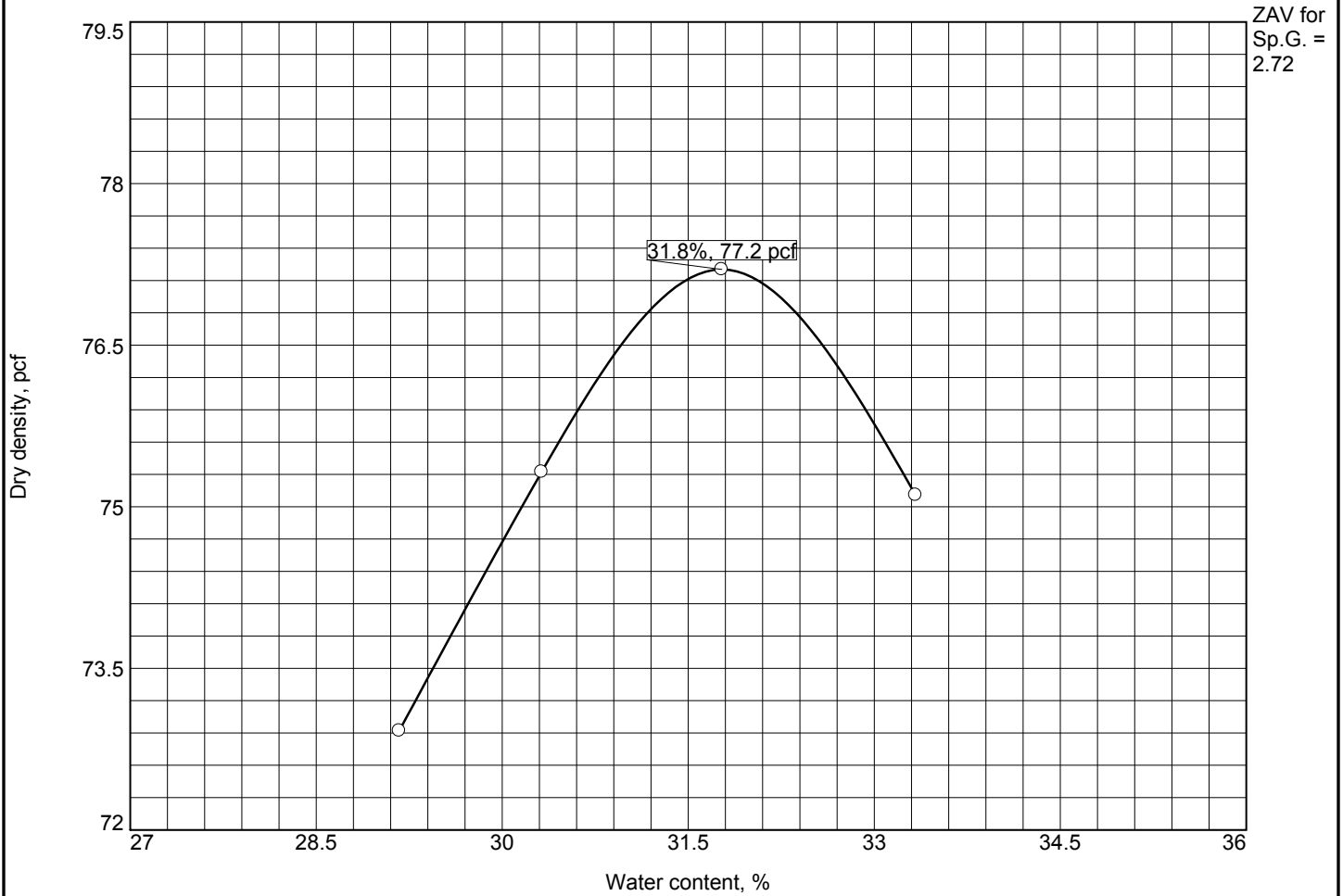
	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Gray sandy silt	38	31	7	78.0	68.2	ML
■	Pale Yellow elastic silt	56	49	7	95.8	91.4	MH

Project No. 889 Client: Alliance Technical Group Project: Q2938 - OVEC - Kyger Creek ● Sample Number: LF1-GM ■ Sample Number: LF1-G	Remarks: ● 9-10-25
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Figure

Tested By: JK Checked By: KH

COMPACTION TEST REPORT



Test specification: ASTM D 698-12 Method B Standard

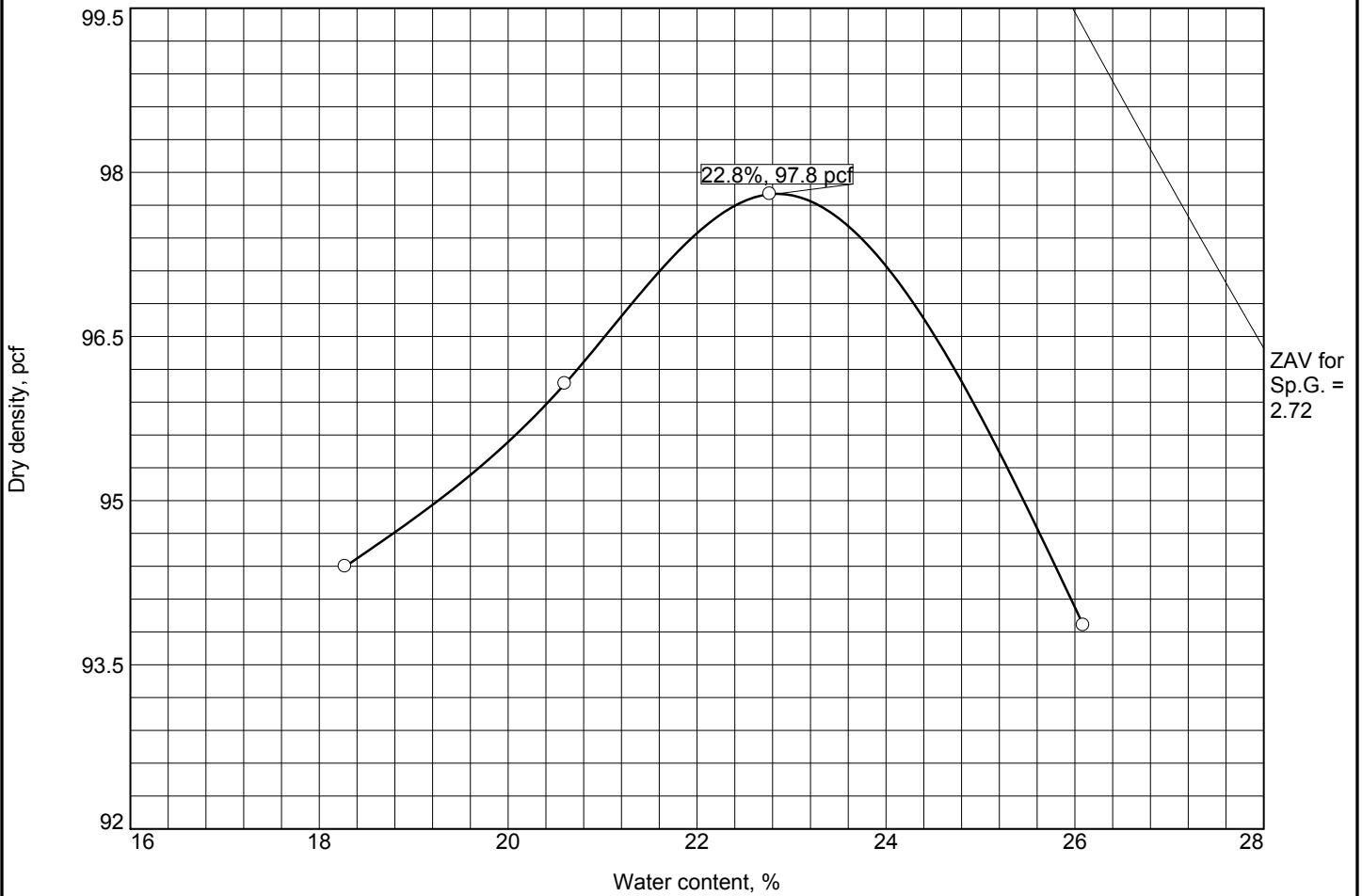
Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
	MH	A-5(13)		2.72	56	7	0.0	91.4

TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 77.2 pcf		Pale Yellow elastic silt
Optimum moisture = 31.8 %		
Project No. 889 Client: Alliance Technical Group Project: Q2938 - OVEC - Kyger Creek		Remarks: SG Assumed. Machine tested. 9-10-25
○ Sample Number: LF1-G		
RSA Geolab Union, New Jersey		

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

Tested By: DR Checked By: KH

CHAIN OF CUSTODY RECORD

[illegible]

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