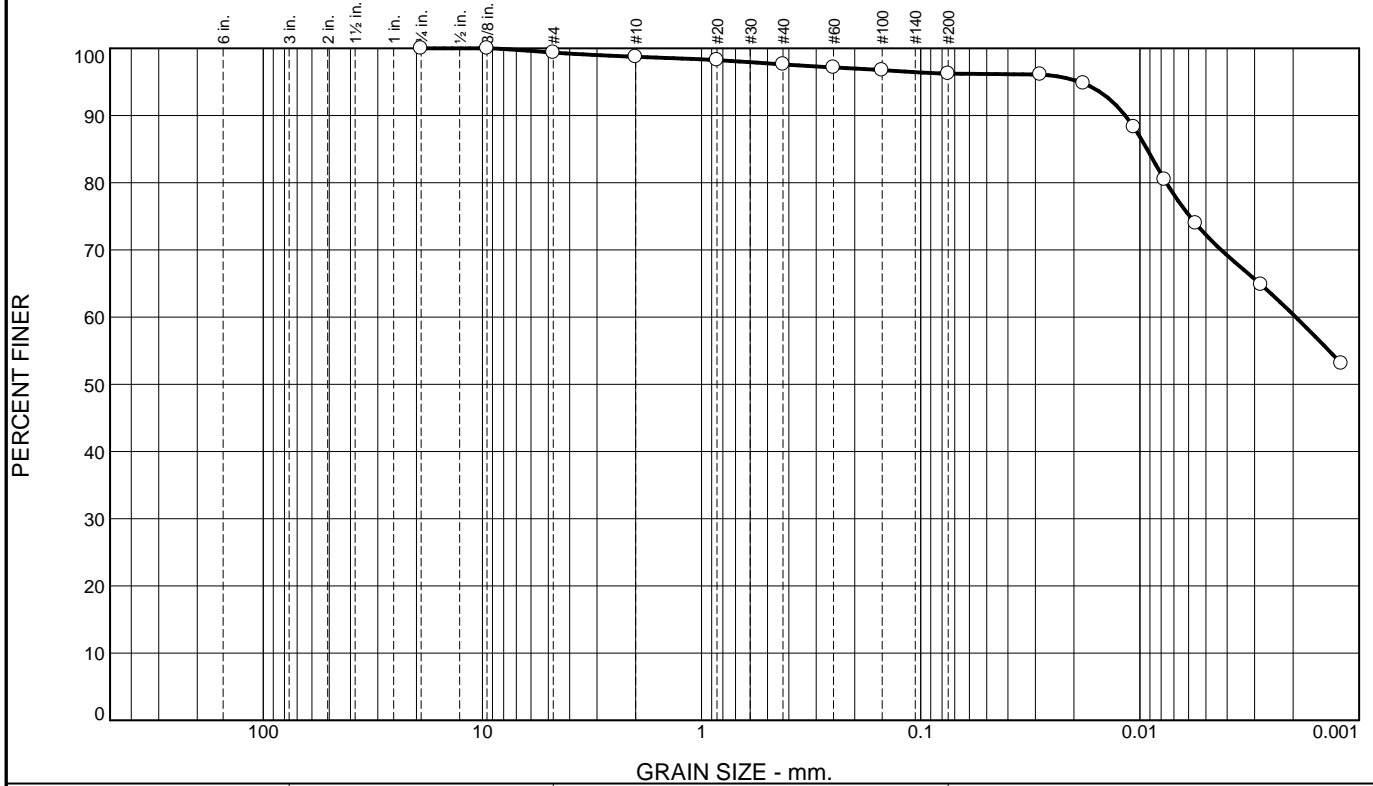


Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.6	0.7	1.1	1.4	24.0	72.2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.375	100.0		
#4	99.4		
#10	98.7		
#20	98.2		
#40	97.6		
#60	97.2		
#100	96.8		
#200	96.2		
0.0285 mm.	96.1		
0.0181 mm.	94.8		
0.0107 mm.	88.3		
0.0077 mm.	80.5		
0.0056 mm.	73.9		
0.0028 mm.	64.8		
0.0012 mm.	53.1		

* (no specification provided)

Soil Description

Fat clay, little silt, trace medium to fine-grained quartz sand, trace coarse to fine sand-sized shell fragments, trace fine gravel-sized shell fragments, gray

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.0117 D₈₅= 0.0093 D₆₀= 0.0019
D₅₀= D₃₀= D₁₅=
D₁₀= C_u= C_c=

Classification

USCS= CH AASHTO=

Remarks

Percent Solids: 45.1

Source of Sample: PA18-1AB-S
Sample Number: 1AB-S

Date: 1/30/2019

Terracon Consultants, Inc.

Client: Anamar Environmental Consulting, Inc.

Project: Pan Am

Jacksonville, Florida

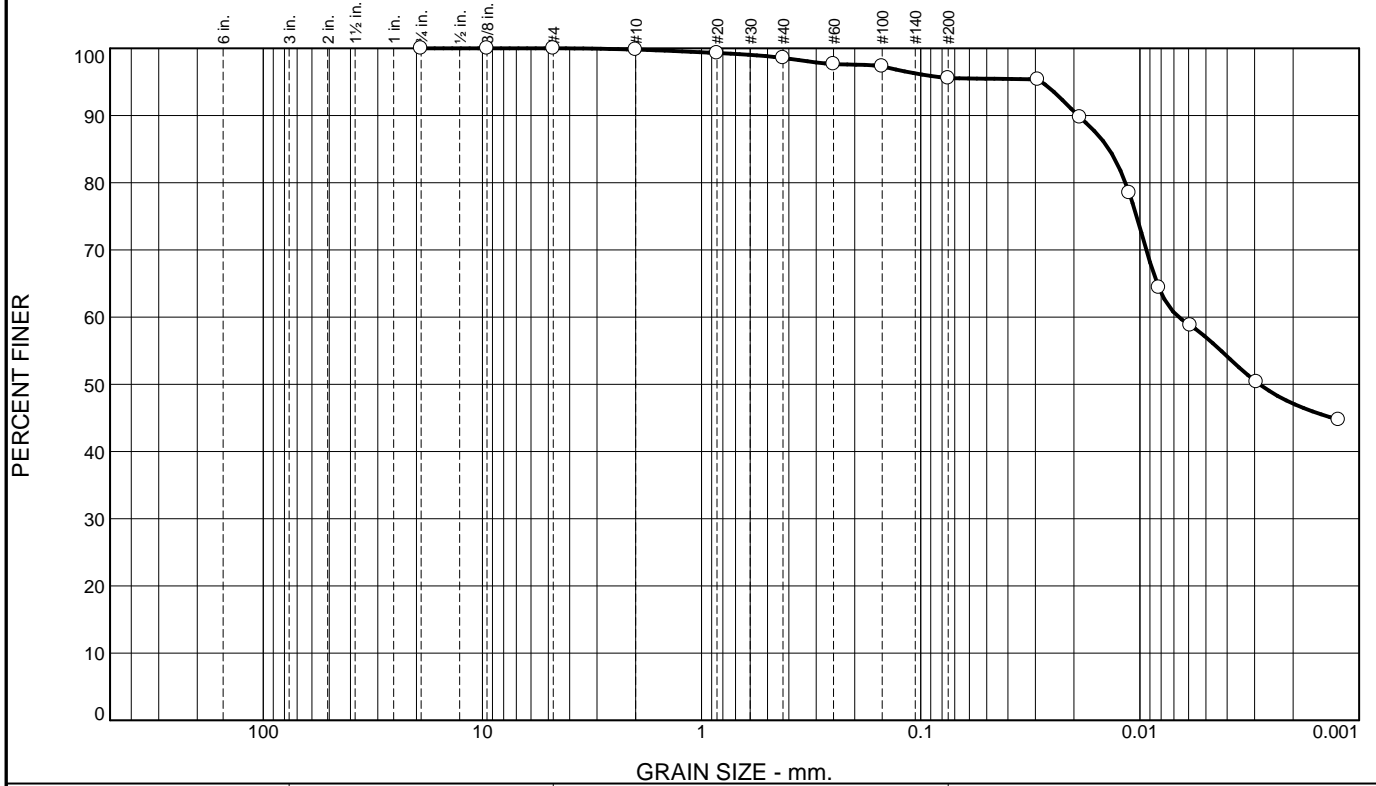
Project No: EQ191021

Figure

Tested By: CRM Sr.

Checked By: Thomas E. Selfridge, P.E.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.2	1.2	3.0	38.6	57.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.375	100.0		
#4	100.0		
#10	99.8		
#20	99.3		
#40	98.6		
#60	97.7		
#100	97.3		
#200	95.6		
0.0292 mm.	95.4		
0.0188 mm.	89.7		
0.0112 mm.	78.5		
0.0082 mm.	64.4		
0.0059 mm.	58.8		
0.0029 mm.	50.3		
0.0012 mm.	44.7		

* (no specification provided)

Soil Description

Fat clay, some silt, trace medium to fine-grained quartz sand, trace coarse to fine sand-sized shell fragments, trace fibrous and amorphous organic matter, gray

Atterberg Limits

PL= _____ LL= _____ PI= _____

Coefficients

D₉₀= 0.0192 D₈₅= 0.0139 D₆₀= 0.0066
D₅₀= 0.0028 D₃₀= _____ D₁₅= _____
D₁₀= _____ C_u= _____ C_c= _____

Classification

USCS= CH AASHTO= _____

Remarks

Percent Solids: 43.6

Source of Sample: PA18-2A-S
Sample Number: 2A-S

Date: 1/30/2019

Terracon Consultants, Inc.

Client: Anamar Environmental Consulting, Inc.

Project: Pan Am

Jacksonville, Florida

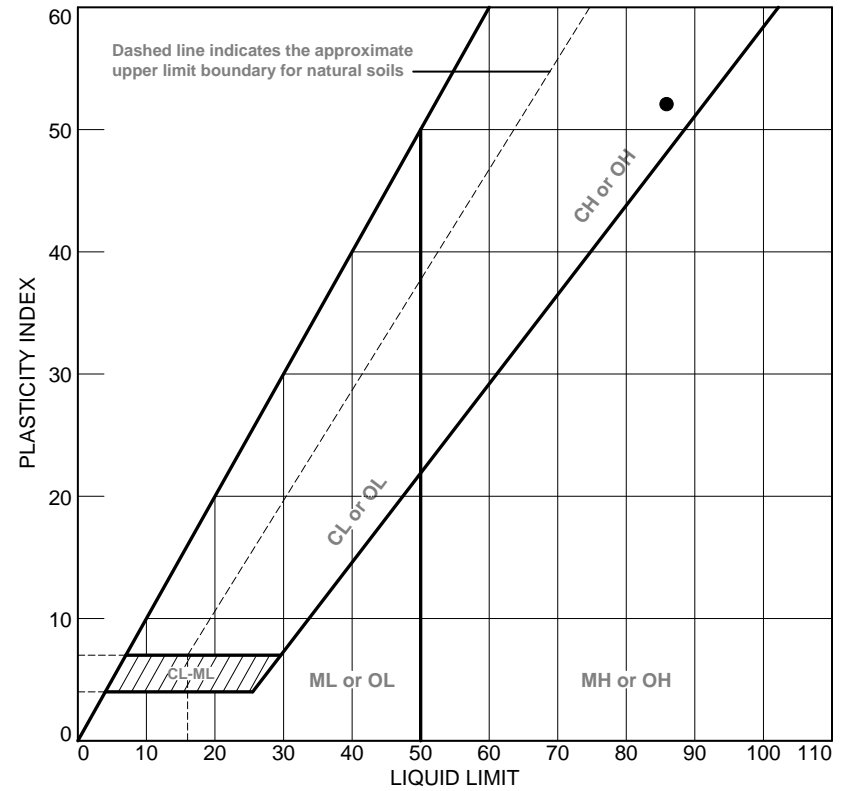
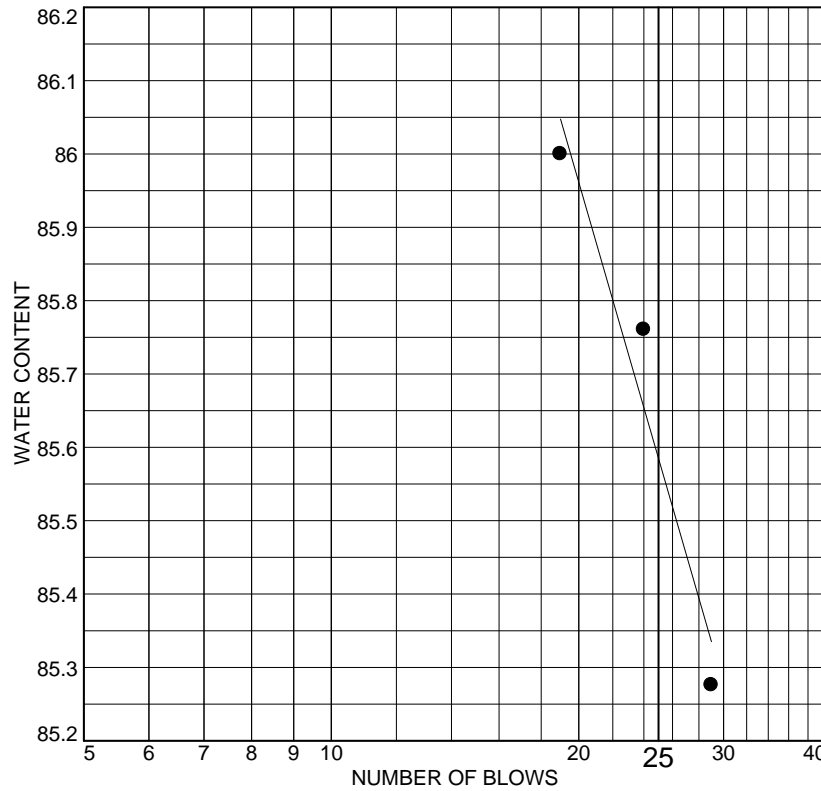
Project No: EQ191021

Figure

Tested By: CRM Sr.

Checked By: Thomas E. Selfridge, P.E.

LIQUID AND PLASTIC LIMITS TEST REPORT

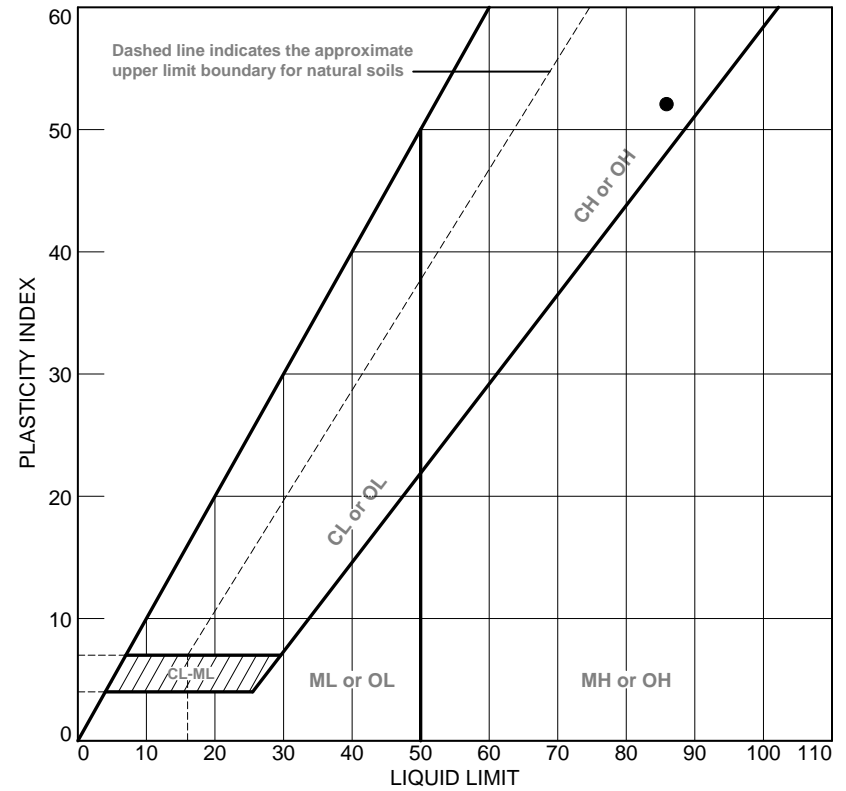
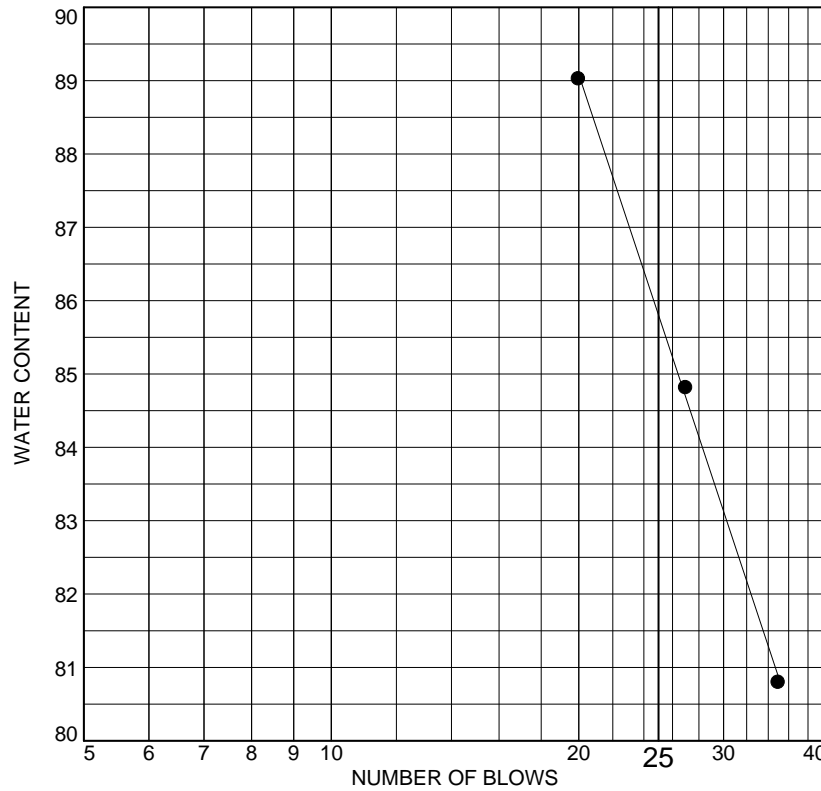


SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● PA18-Comp	PA18-Comp		1/30/2019	CH	Fat clay with sand, little silt, little medium to fine-grained quartz, trace coarse to fine sand-sized rock and shell fragments, trace fine gravel-sized rock fragments, gray		86	52

Client Anamar Environmental Consulting, Inc.	Terracon Consultants, Inc.	
Project Pan Am		
Project No. EQ191021		

Tested By: CRM Sr. _____ **Checked By:** Thomas E. Selfridge, P.E. _____

LIQUID AND PLASTIC LIMITS TEST REPORT

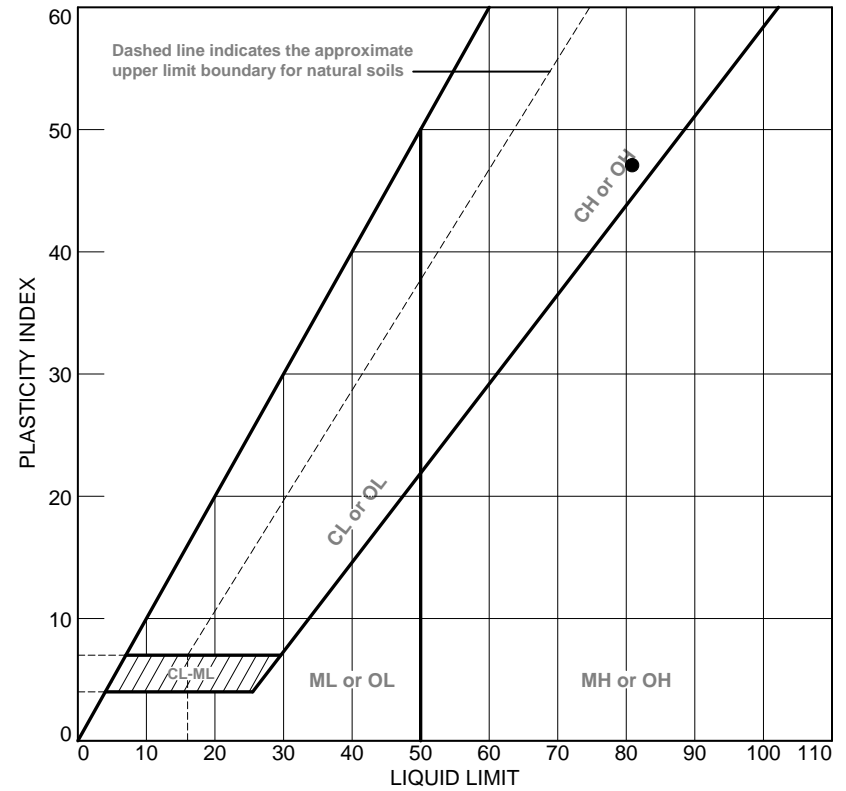
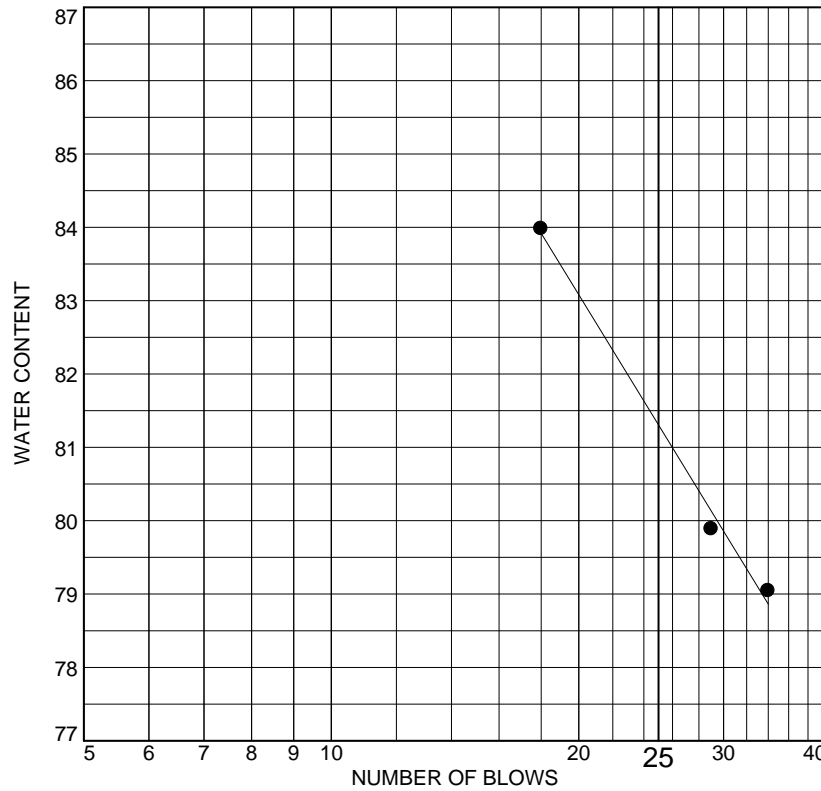


SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● PA18-Comp	Dup 1		1/30/2019	CH	Fat clay with sand, little silt, little medium to fine-grained quartz, trace coarse to fine sand-sized rock and shell fragments, trace fine gravel-sized rock fragments, gray		86	52

Client Anamar Environmental Consulting, Inc.	Terracon Consultants, Inc.	
Project Pan Am		
Project No. EQ191021		

Tested By: CRM Sr. _____ **Checked By:** Thomas E. Selfridge, P.E. _____

LIQUID AND PLASTIC LIMITS TEST REPORT

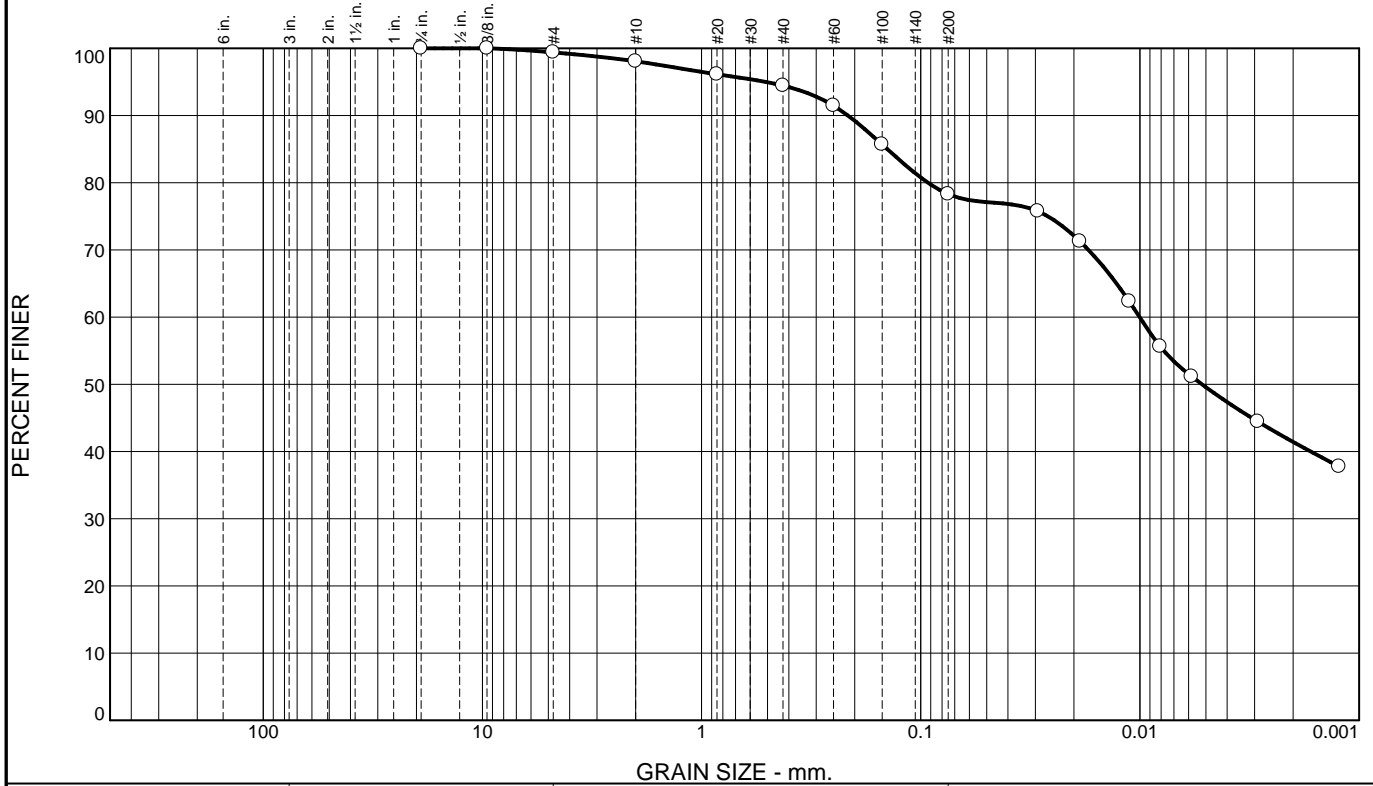


SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● PA18-Comp	Dup 2		1/30/2019	CH	Fat clay with sand, little silt, little medium to fine-grained quartz, trace coarse to fine sand-sized rock and shell fragments, trace fine gravel-sized rock fragments, gray		81	47

Client Anamar Environmental Consulting, Inc.	Terracon Consultants, Inc.	
Project Pan Am		
Project No. EQ191021		

Tested By: CRM Sr. _____ **Checked By:** Thomas E. Selfridge, P.E. _____

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.6	1.3	3.7	16.1	28.7	49.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.375	100.0		
#4	99.4		
#10	98.1		
#20	96.1		
#40	94.4		
#60	91.5		
#100	85.7		
#200	78.3		
0.0292 mm.	75.7		
0.0188 mm.	71.3		
0.0112 mm.	62.3		
0.0081 mm.	55.6		
0.0058 mm.	51.2		
0.0029 mm.	44.5		
0.0012 mm.	37.8		

* (no specification provided)

Soil Description

Fat clay with sand, little silt, little medium to fine-grained quartz, trace coarse to fine sand-sized rock and shell fragments, trace fine gravel-sized rock fragments, gray

Atterberg Limits

PL= 34 LL= 86 PI= 52

Coefficients

D₉₀= 0.2151 D₈₅= 0.1421 D₆₀= 0.0100
D₅₀= 0.0052 D₃₀= D₁₅=
D₁₀= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-5(45)

Remarks

Percent Solids: 48.8
Bulk Density: 44.6 pcf
Specific Gravity: 2.650

Source of Sample: PA18-Comp
Sample Number: PA18-Comp

Date: 1/30/2019

Terracon Consultants, Inc.

Client: Anamar Environmental Consulting, Inc.

Project: Pan Am

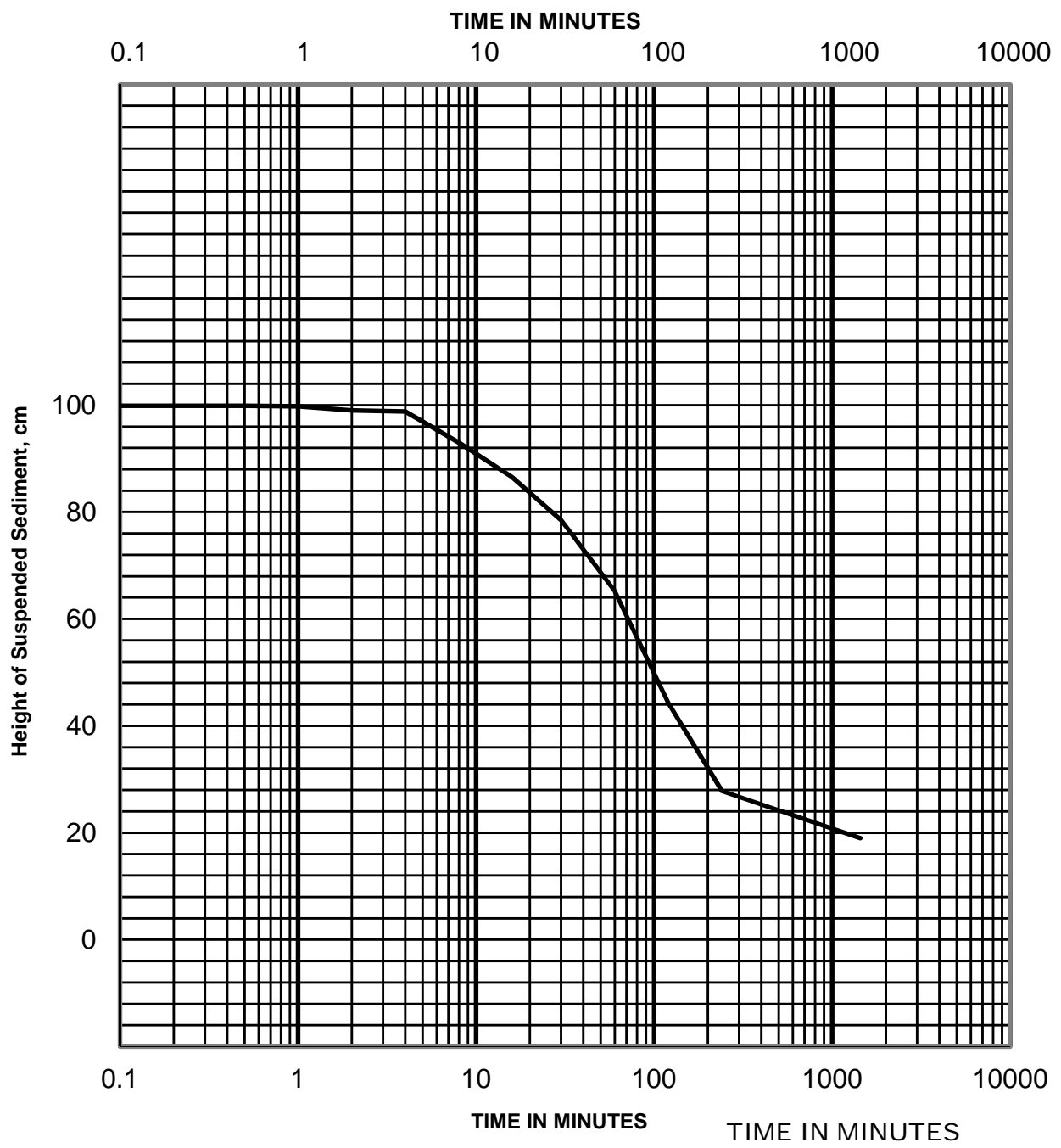
Jacksonville, Florida

Project No: EQ191021

Figure

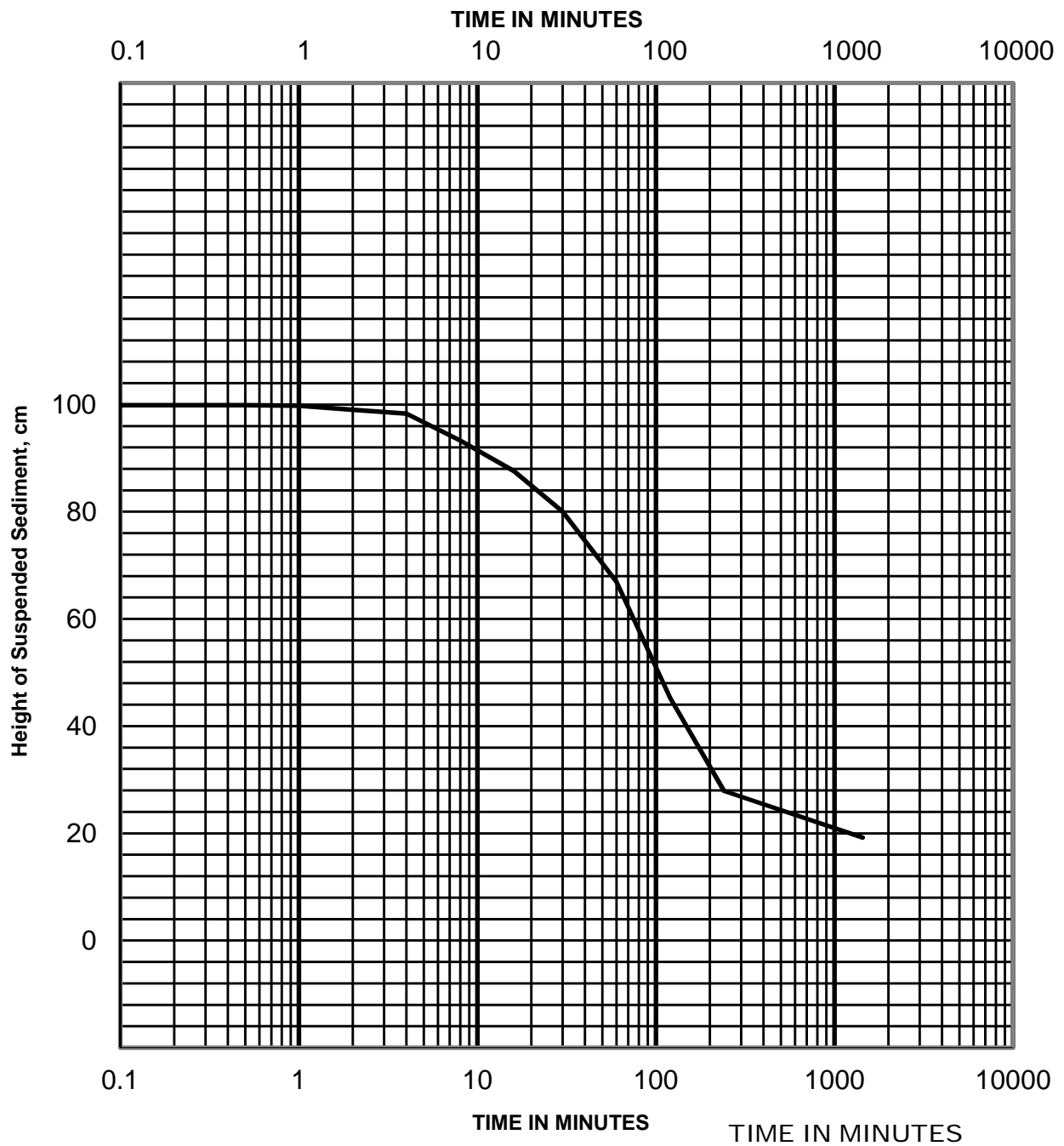
Tested By: CRM Sr.

Checked By: Thomas E. Selfridge, P.E.



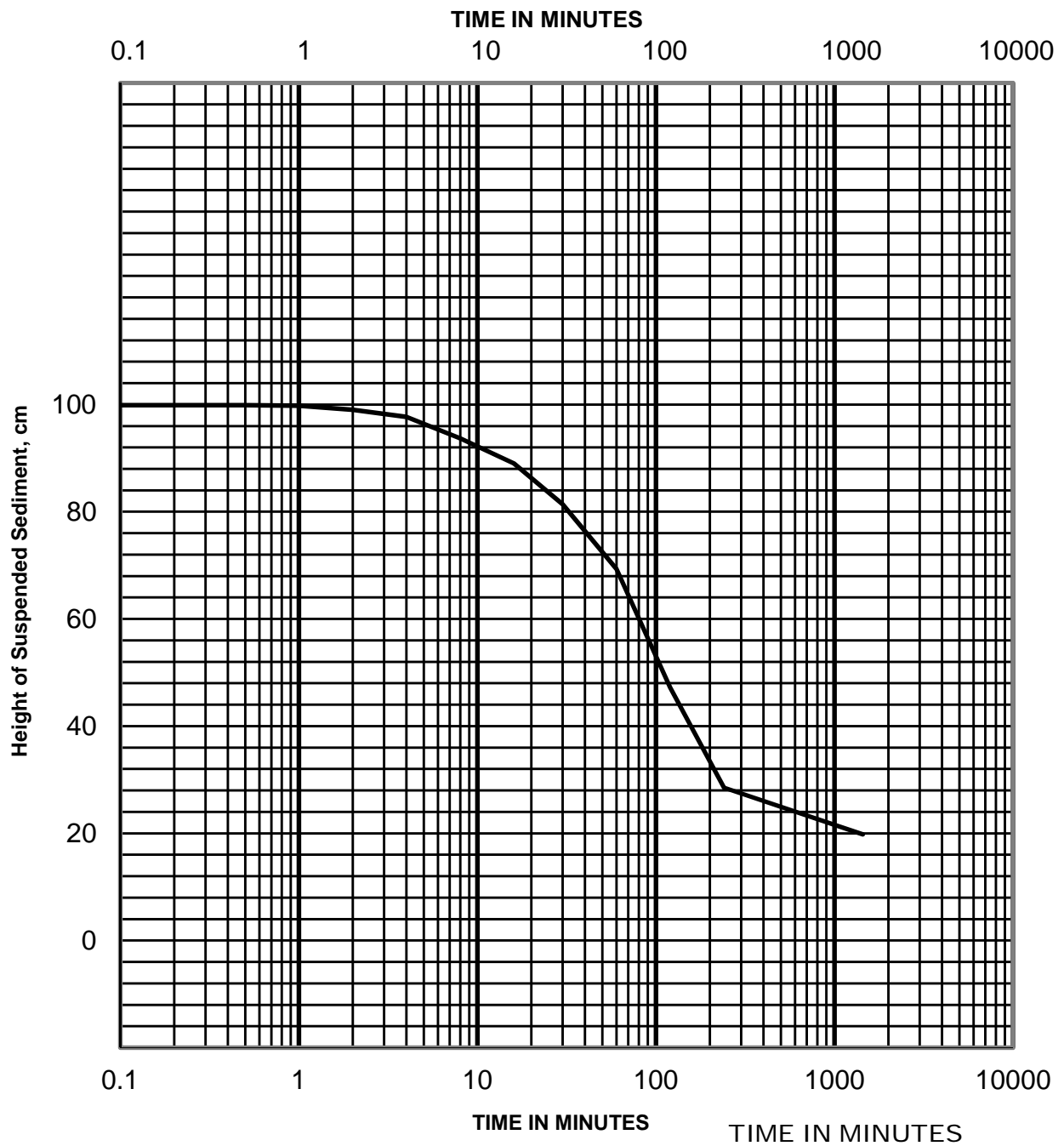
FINAL CONCENTRATION: 526 grams per liter

PROJECT Pan Am				
AREA				
BORING NO. PA18-Comp	SAMPLE NO.	ELEV., FT. TO	DATE 5-Feb-19	
SUSPENDED SEDIMENT - TIME CURVES				



FINAL CONCENTRATION: 521 grams per liter

PROJECT Pan Am			
AREA			
BORING NO. PA18-Comp	SAMPLE NO. Dup 1	ELEV., FT. TO	DATE 5-Feb-19
SUSPENDED SEDIMENT - TIME CURVES			



FINAL CONCENTRATION: 505 grams per liter

PROJECT **Pan Am**

AREA

BORING NO. **PA18-Comp**

SAMPLE NO. **Dup 2**

ELEV., FT.

TO

DATE **5-Feb-19**

SUSPENDED SEDIMENT - TIME CURVES