Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	---	Sample Type:	---	Tested By:	ckg
Sample ID:	---	Test Date:	01/06/21	Checked By:	bfs
Depth :	---	Test Id:	592596		

Specific Gravity of Soils by ASTM D854

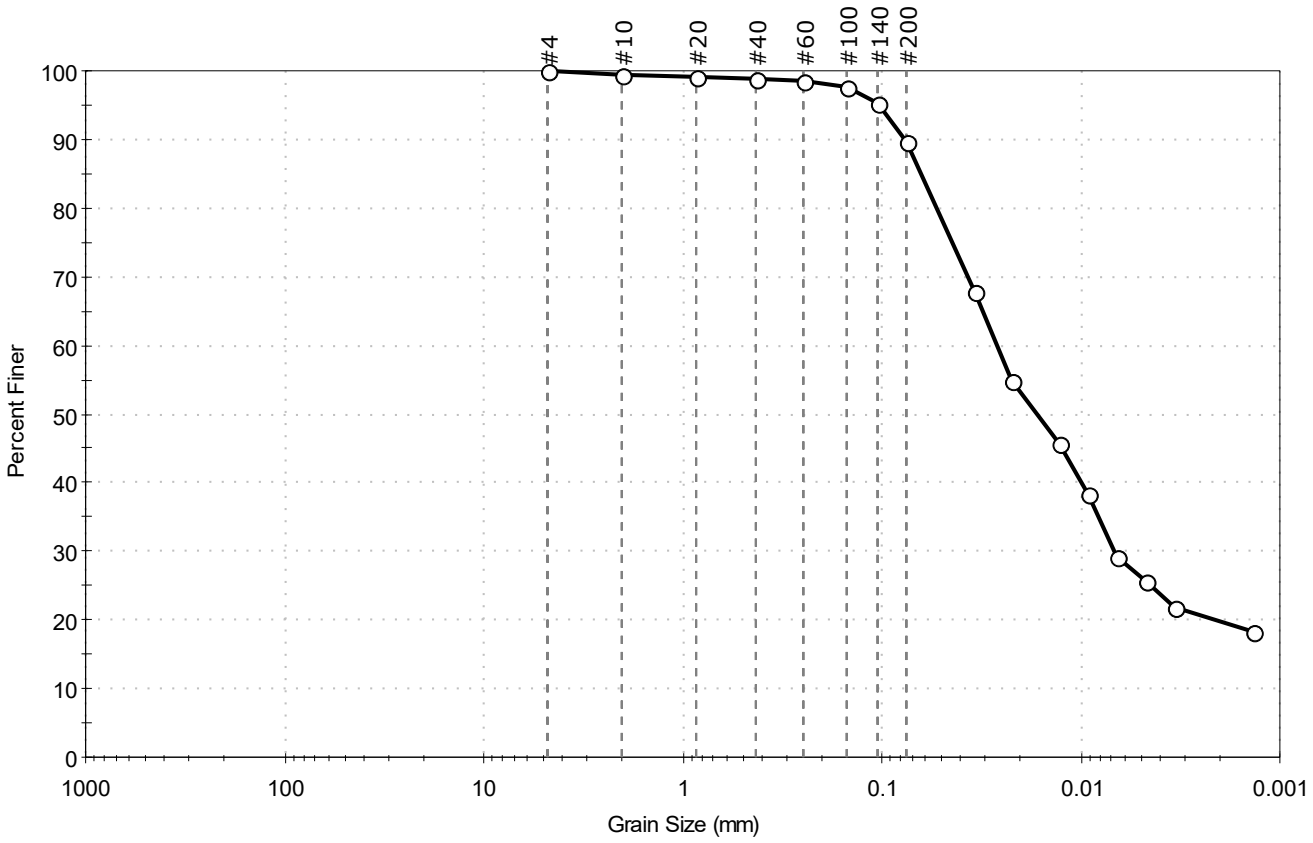
Boring ID	Sample ID	Depth	Visual Description	Specific Gravity	Comment
001	USMPDI-034SG-201007	---	Wet, dark olive brown silt	2.58	
001	USMPDI-006SG-201010	---	Wet, very dark gray silt with sand	2.57	
002	USMPDI-011SG-201010	---	Wet, very dark gray silt with sand	2.56	

Notes: Specific Gravity performed by using method B (oven dried specimens) of ASTM D854
Moisture Content determined by ASTM D2216.

GeoTesting EXPRESS

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	001	Sample Type:	bag	Tested By:	ckg
Sample ID:	USMPDI-034SG-201007	Test Date:	01/07/21	Checked By:	bfs
Depth :	---	Test Id:	607806		
Test Comment:	---				
Visual Description:	Wet, dark olive brown silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913/D7928



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	10.3	89.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	99		
#20	0.85	99		
#40	0.42	99		
#60	0.25	98		
#100	0.15	97		
#140	0.11	95		
#200	0.075	90		
Hydrometer	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0340	68		
---	0.0220	55		
---	0.0129	46		
---	0.0092	38		
---	0.0066	29		
---	0.0047	26		
---	0.0034	22		
---	0.0014	18		

Coefficients

D_{85} = 0.0634 mm	D_{30} = 0.0068 mm
D_{60} = 0.0262 mm	D_{15} = N/A
D_{50} = 0.0165 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Elastic SILT (MH)

AASHTO Clayey Soils (A-7-5 (40))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Dispersion Device : Apparatus A - Mech Mixer

Dispersion Period : 1 minute

Est. Specific Gravity : 2.65

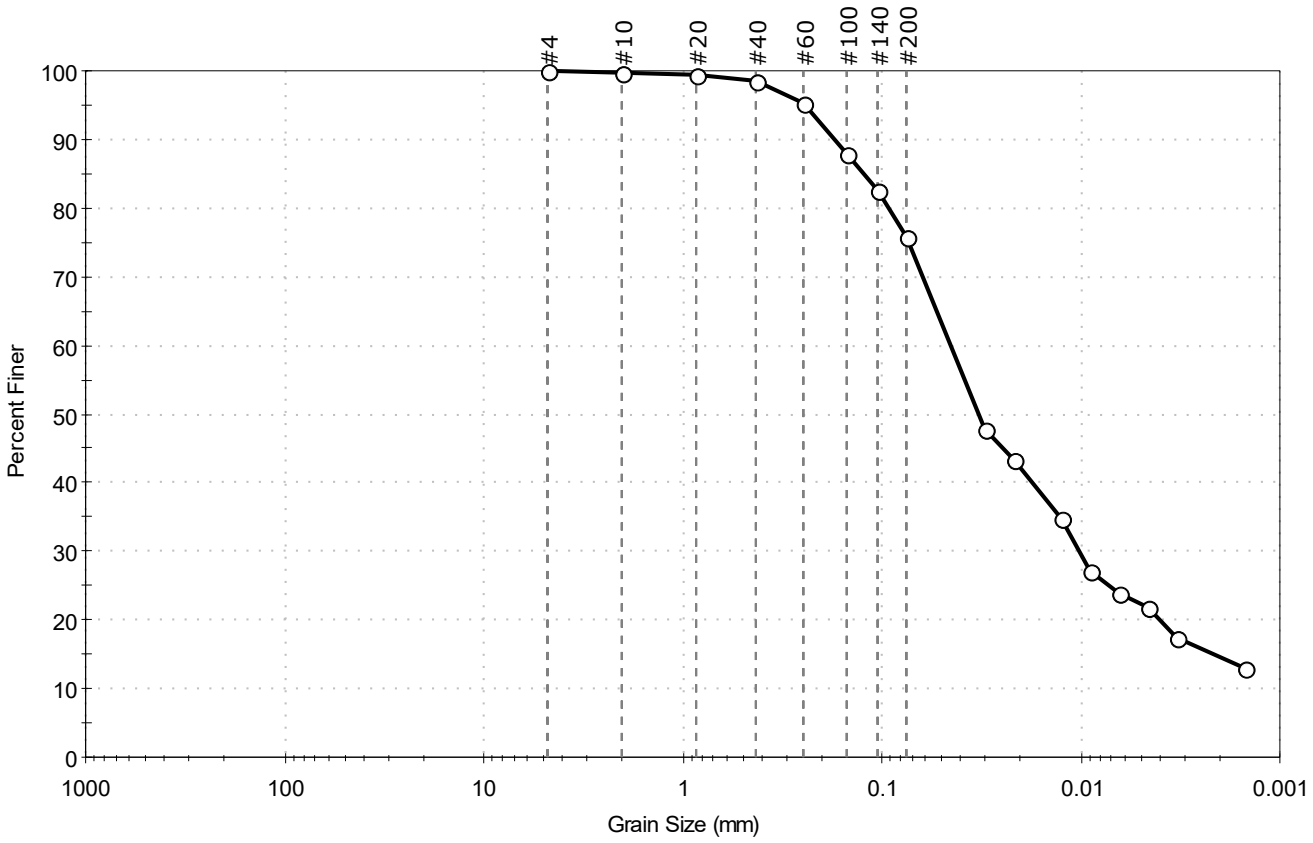
Separation of Sample: #200 Sieve

GeoTesting EXPRESS

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	001	Sample Type:	bag	Tested By:	ckg
Sample ID:	USMPDI-006SG-201010	Test Date:	01/06/21	Checked By:	bfs
Depth :	---	Test Id:	592586		

Test Comment: ---
Visual Description: Wet, very dark gray silt with sand
Sample Comment: ---

Particle Size Analysis - ASTM D6913/D7928



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	24.2	75.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	99		
#60	0.25	95		
#100	0.15	88		
#140	0.11	83		
#200	0.075	76		
Hydrometer	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0300	48		
---	0.0215	43		
---	0.0125	35		
---	0.0089	27		
---	0.0065	24		
---	0.0046	22		
---	0.0033	17		
---	0.0015	13		

Coefficients

D_{85} = 0.1232 mm
D_{30} = 0.0101 mm
D_{60} = 0.0447 mm
D_{15} = 0.0021 mm
D_{50} = 0.0322 mm
D_{10} = N/A
C_u = N/A
C_c = N/A

Classification

ASTM Elastic SILT with Sand (MH)

AASHTO Clayey Soils (A-7-5 (21))

Sample/Test Description

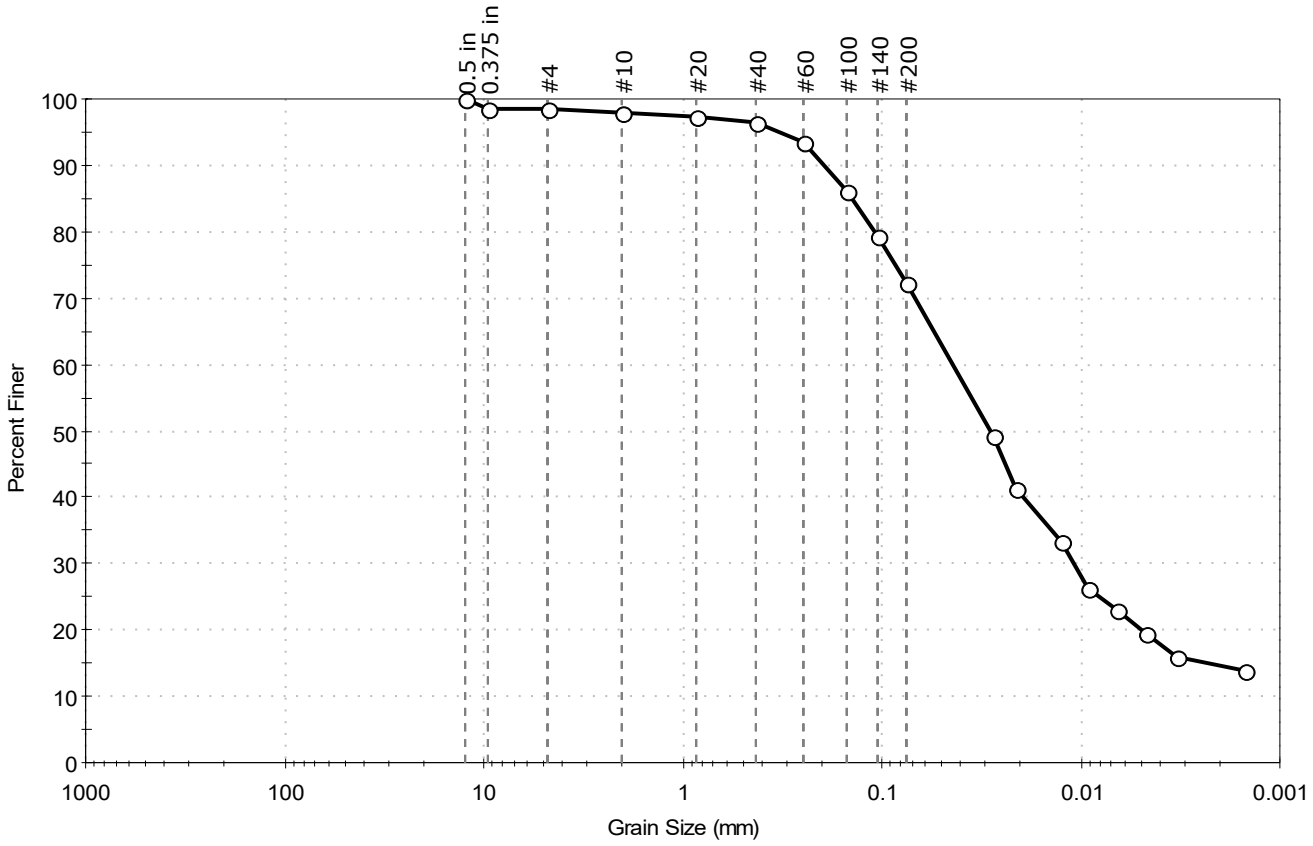
Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : ---
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Est. Specific Gravity : 2.65
Separation of Sample: #200 Sieve

GeoTesting EXPRESS

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	002	Sample Type:	bag	Tested By:	ckg
Sample ID:	USMPDI-011SG-201010	Test Date:	01/06/21	Checked By:	bfs
Depth :	---	Test Id:	592587		

Test Comment: ---
Visual Description: Wet, very dark gray silt with sand
Sample Comment: ---

Particle Size Analysis - ASTM D6913/D7928



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	1.5	26.3	72.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	99		
#4	4.75	99		
#10	2.00	98		
#20	0.85	97		
#40	0.42	97		
#60	0.25	94		
#100	0.15	86		
#140	0.11	79		
#200	0.075	72		
Hydrometer	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0274	49		
---	0.0215	41		
---	0.0126	33		
---	0.0092	26		
---	0.0065	23		
---	0.0047	19		
---	0.0033	16		
---	0.0015	14		

Coefficients

D_{85} = 0.1407 mm
D_{30} = 0.0109 mm
D_{60} = 0.0439 mm
D_{15} = 0.0023 mm
D_{50} = 0.0283 mm
D_{10} = N/A
C_u = N/A
C_c = N/A

Classification

ASTM Elastic SILT with Sand (MH)

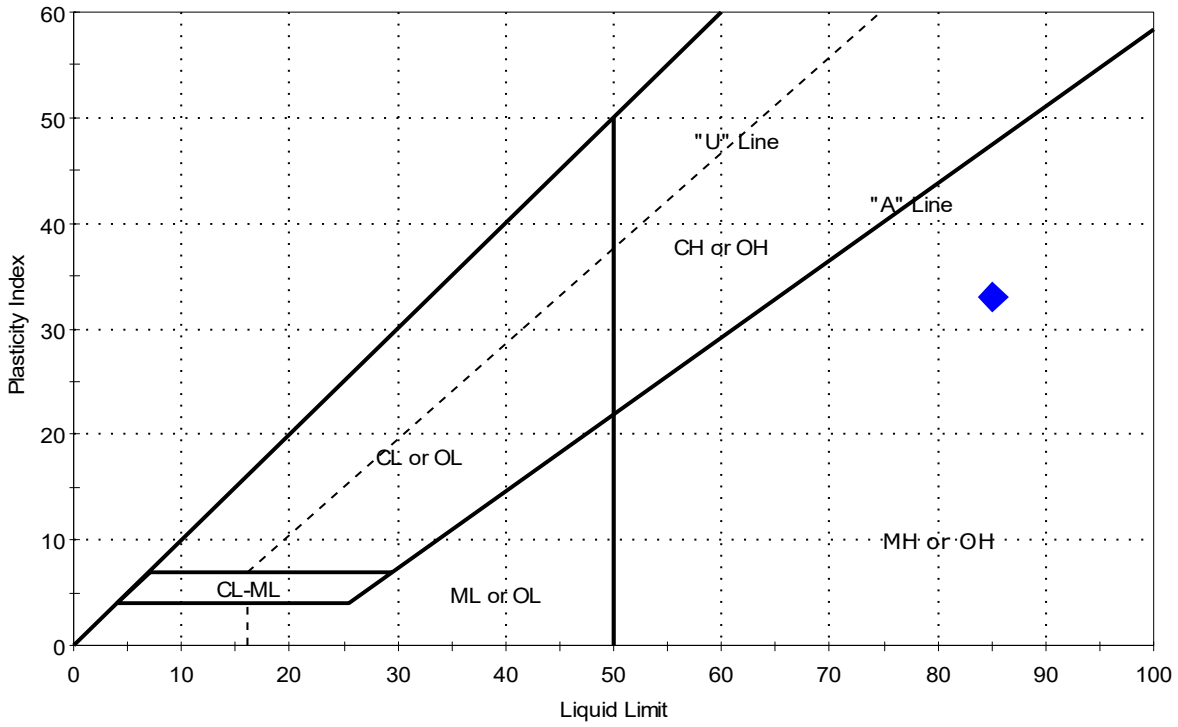
AASHTO Clayey Soils (A-7-5 (15))

Sample/Test Description

Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : ---
Dispersion Device : Apparatus A - Mech Mixer
Dispersion Period : 1 minute
Est. Specific Gravity : 2.65
Separation of Sample: #200 Sieve

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	001	Sample Type:	bag	Tested By:	cam
Sample ID:	USMPDI-034SG-201007	Test Date:	01/11/21	Checked By:	bfs
Depth :	---	Test Id:	607833		
Test Comment:	---				
Visual Description:	Wet, dark olive brown silt				
Sample Comment:	---				

Atterberg Limits - ASTM D4318

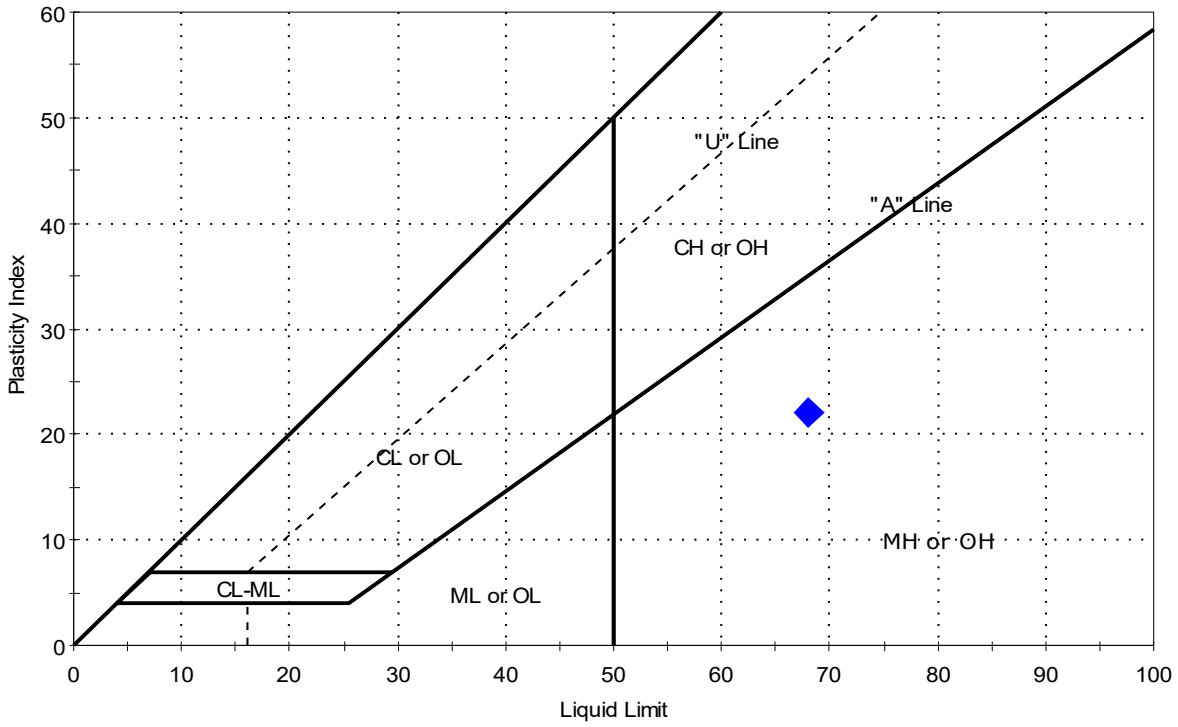


Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	MPDI-034SG-2010	001	---	117	85	52	33	2	Elastic SILT (MH)

Sample Prepared using the WET method
1% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	001	Sample Type:	bag	Tested By:	cam
Sample ID:	USMPDI-006SG-201010	Test Date:	12/23/20	Checked By:	bfs
Depth :	---	Test Id:	592589		
Test Comment:	---				
Visual Description:	Wet, very dark gray silt with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D4318

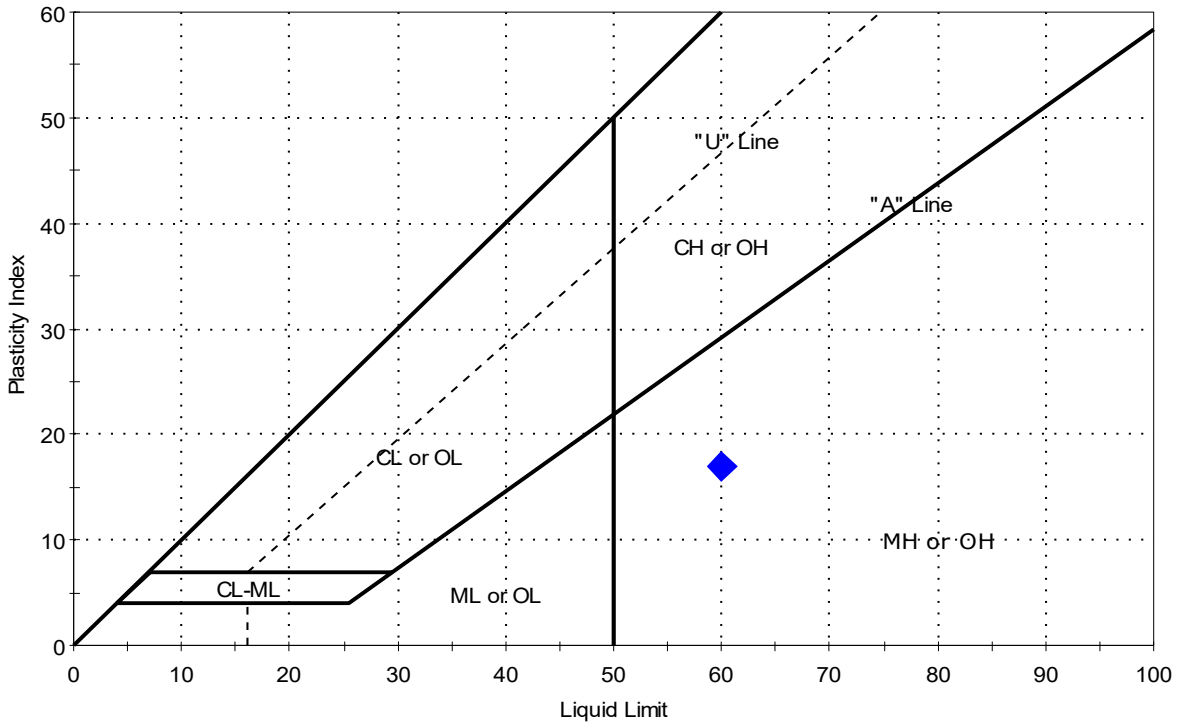


Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	MPDI-006SG-2010	001	---	90	68	46	22	2	Elastic SILT with Sand (MH)

Sample Prepared using the WET method
1% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

Client:	Anchor QEA, LLC				
Project:	GascoSiltronic: US Moorings				
Location:				Project No:	GTX-312732
Boring ID:	002	Sample Type:	bag	Tested By:	cam
Sample ID:	USMPDI-011SG-201010	Test Date:	12/28/20	Checked By:	bfs
Depth :	---	Test Id:	592590		
Test Comment:	---				
Visual Description:	Wet, very dark gray silt with sand				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	MPDI-011SG-2010	002	---	72	60	43	17	1.7	Elastic SILT with Sand (MH)

Sample Prepared using the WET method
3% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW