

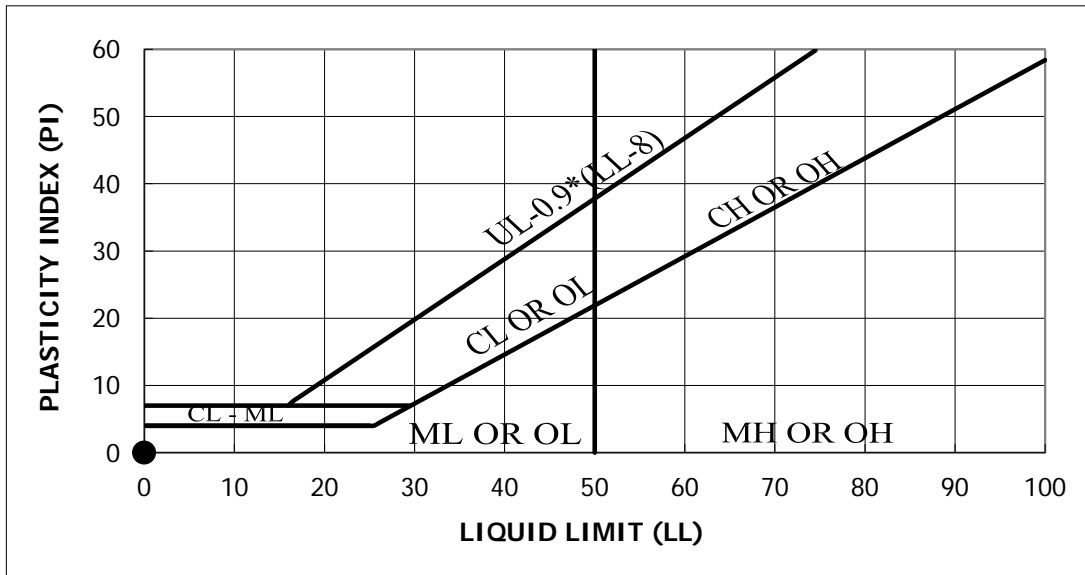
Appendix B

Soil Laboratory Test Results

Liquid Limit and Grain Size Analysis Test Data (8 pages)



LIQUID AND PLASTIC LIMIT - ASTM D4318			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-1	Depth (Feet)	23.5'-25.0'
Lab Order No.	3828-2	Date	8/3/2016

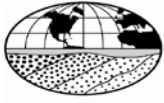


Material Description	LL	PL	PI	% Passing		USCS	w (%)
				#4	#200		
WELL GRADED SAND with silt and gravel	NP	NP	NP	80.7	8.7	SW-SM	6.8
Color	Light Brown		AASHTO Classification		A-1-b		

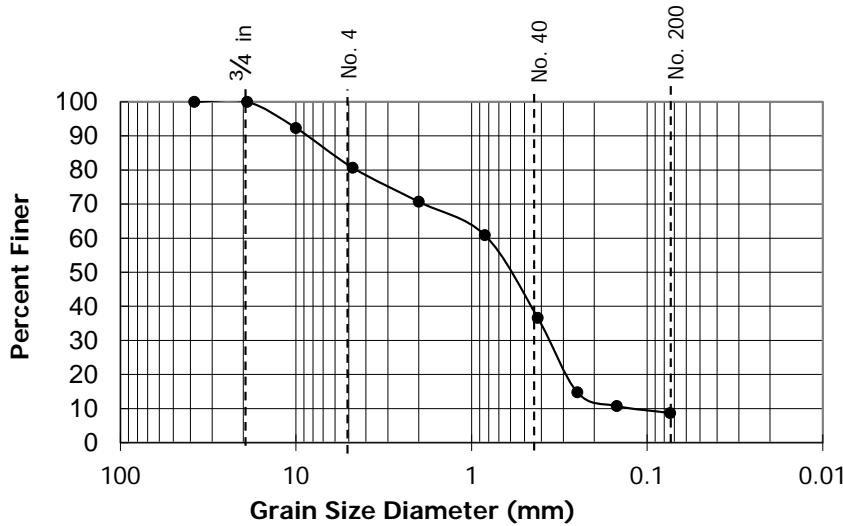
Test Method: ASTM D 4318

Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by Lindsay Barty



GRAIN SIZE ANALYSIS - ASTM D422			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-1	Depth (Feet)	23.5'-25.0'
Lab Order No.	3828-2	Date	8/3/2016



SIEVE	% Passing
1 1/2 "	100
3/4"	100
3/8"	92
#4	81
#10	71
#20	61
#40	37
#60	15
#100	11
#200	9
Pan	--

USCS Group Symbol	SW-SM
USCS Group Name	WELL GRADED SAND with silt and gravel
Cu	6.8
Cc	1.4
LL	NP
PI	NP
Gravel	19.3
Sand	72.0
Fines	8.7
AASHTO Classification	A-1-b
Color	Light Brown

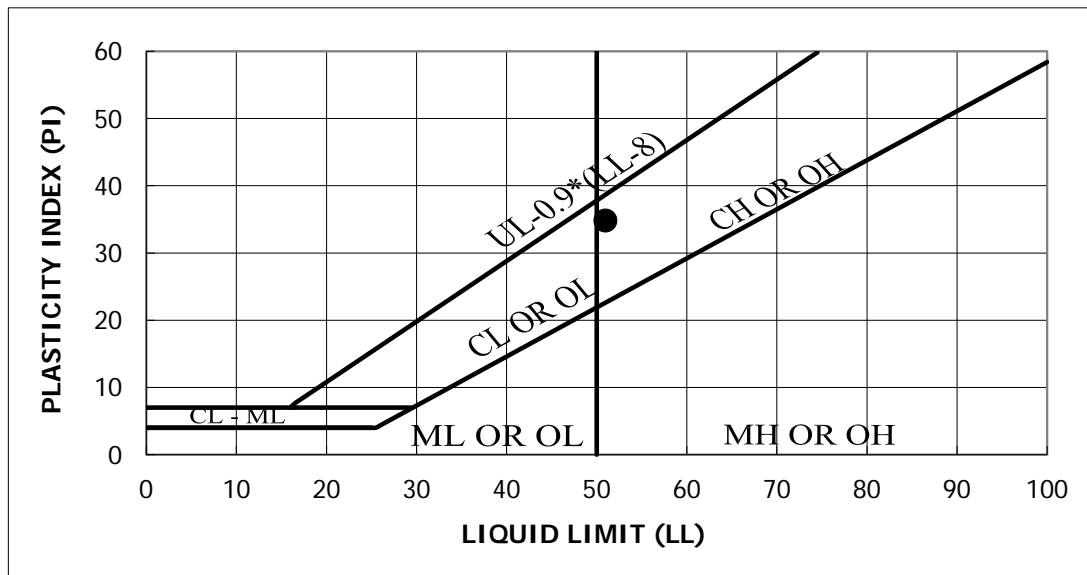
Test Method: ASTM D 422

Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by: *Lindsay Bantz*



LIQUID AND PLASTIC LIMIT - ASTM D4318			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	5.0'-6.5'
Lab Order No.	3828-3	Date	8/3/2016

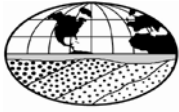


Material Description	LL	PL	PI	% Passing		USCS	w (%)
				#4	#200		
CLAYEY SAND	51	16	35	99.8	23.6	SC	13.1
Color	Yellowish Brown		AASHTO Classification		A-2-7		

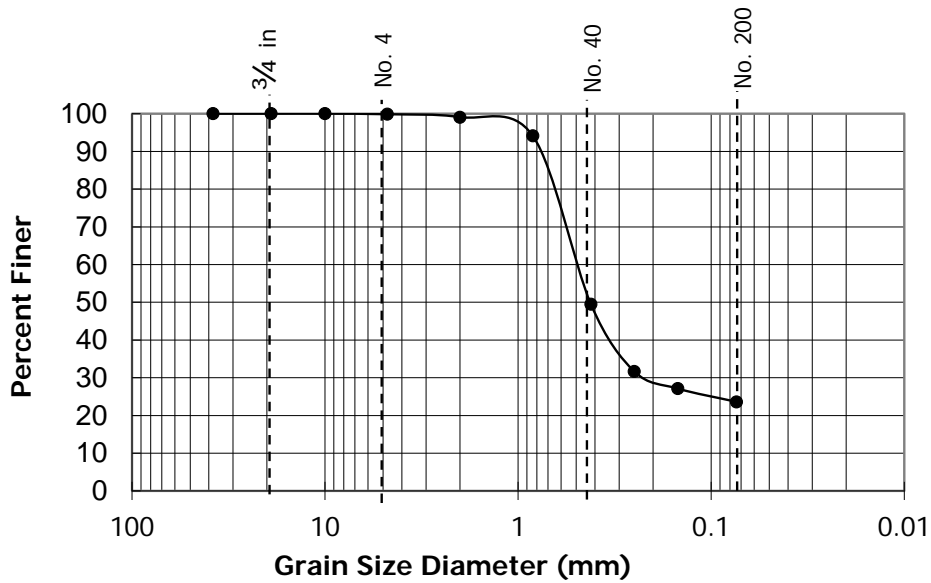
Test Method: ASTM D 4318

Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by Lindsay Bartz



GRAIN SIZE ANALYSIS - ASTM D422			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	5.0'-6.5'
Lab Order No.	3828-3	Date	8/3/2016



SIEVE	% Passing
1 1/2 "	100
3/4"	100
3/8"	100
#4	100
#10	99
#20	94
#40	49
#60	32
#100	27
#200	24
Pan	--

USCS Group Symbol	SC
USCS Group Name	CLAYEY SAND
Cu	---
Cc	---
LL	51
PI	35
Gravel	0.2
Sand	76.2
Fines	23.6
AASHTO Classification	A-2-7
Color	Yellowish Brown

Test Method: ASTM D 422

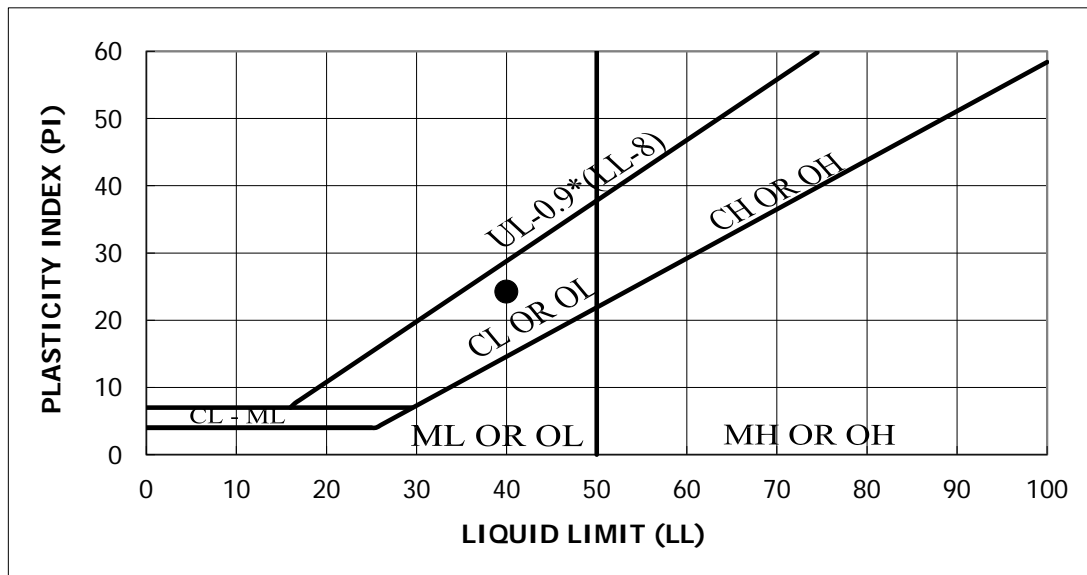
Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by:

Lindsay Bartz



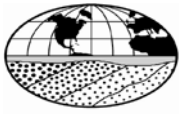
LIQUID AND PLASTIC LIMIT - ASTM D4318			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	23.5'-25.0'
Lab Order No.	3828-4	Date	8/3/2016



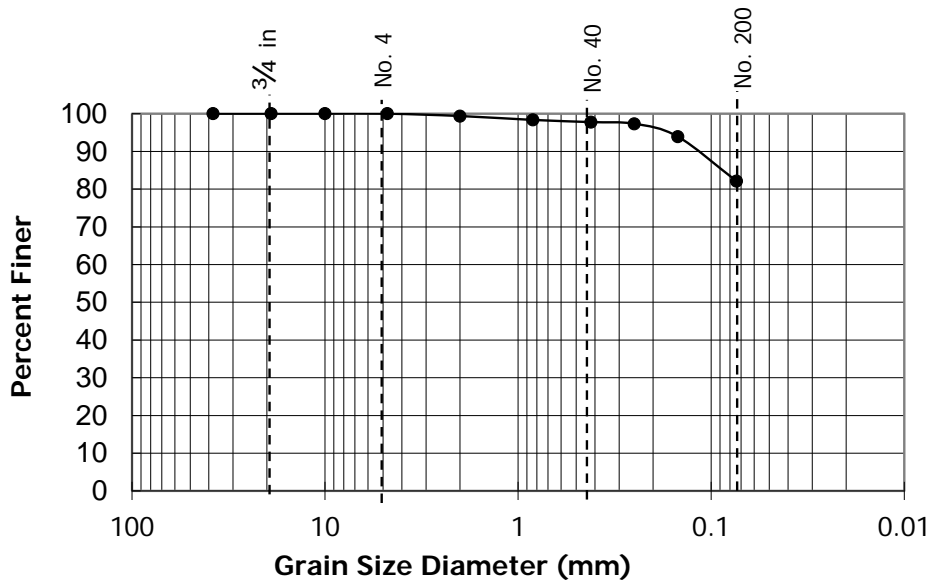
Material Description	LL	PL	PI	% Passing		USCS	w (%)
				#4	#200		
Lean Clay with sand	40	16	24	100.0	82.1	CL	22.1
Color	Gray		AASHTO Classification		A-6		

Test Method: ASTM D 4318
Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by *Lindsay Bantz*



GRAIN SIZE ANALYSIS - ASTM D422			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	23.5'-25.0'
Lab Order No.	3828-4	Date	8/3/2016



SIEVE	% Passing
1 1/2 "	100
3/4"	100
3/8"	100
#4	100
#10	99
#20	98
#40	98
#60	97
#100	94
#200	82
Pan	--

USCS Group Symbol	CL
USCS Group Name	Lean Clay with sand
Cu	---
Cc	---
LL	40
PI	24
Gravel	0.0
Sand	17.9
Fines	82.1
AASHTO Classification	A-6
Color	Gray

Test Method: ASTM D 422

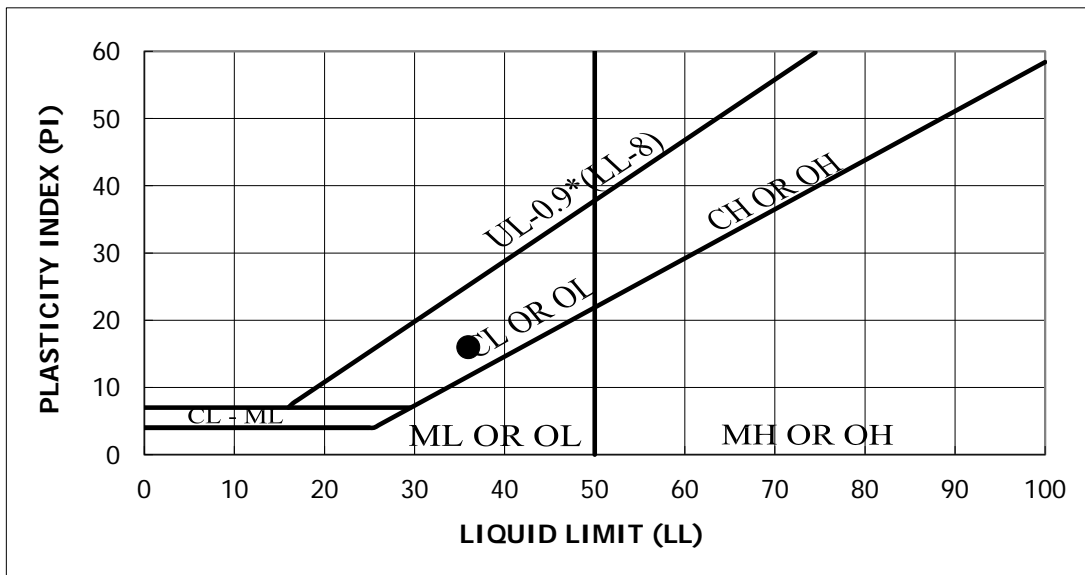
Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by:

Lindsay Bantz



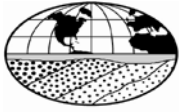
LIQUID AND PLASTIC LIMIT - ASTM D4318			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	53.5'-55.0'
Lab Order No.	3828-5	Date	8/3/2016



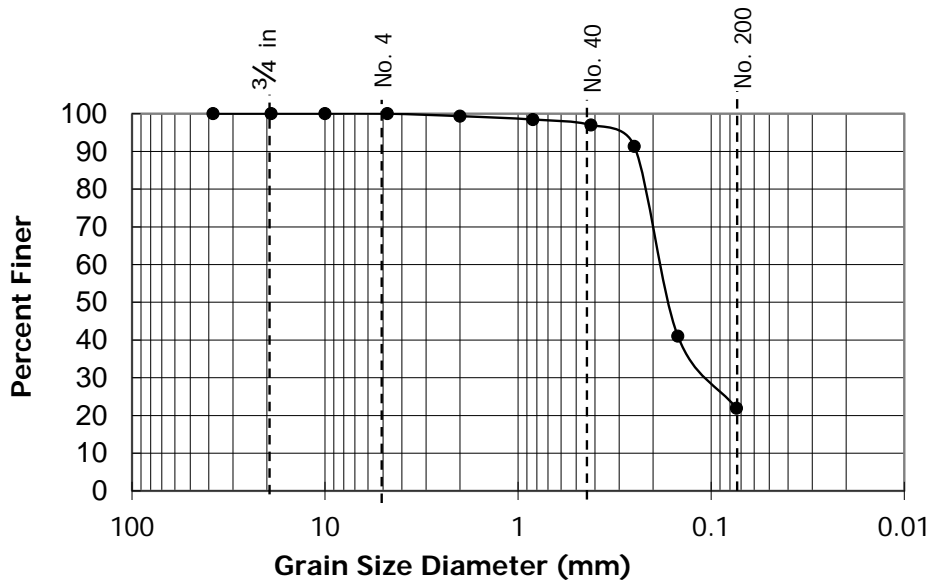
Material Description	LL	PL	PI	% Passing		USCS	w (%)
				#4	#200		
CLAYEY SAND	36	20	16	100.0	21.9	SC	26.9
Color	Light Green		AASHTO Classification			A-2-6	

Test Method: ASTM D 4318
Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by Lindsay Barty



GRAIN SIZE ANALYSIS - ASTM D422			
Project No.	DC16024	Project Name	200 K St. Parking Deck Engr. Analysis
Test Boring No.	B-2	Depth (Feet)	53.5'-55.0'
Lab Order No.	3828-5	Date	8/3/2016



SIEVE	% Passing
1 1/2 "	100
3/4"	100
3/8"	100
#4	100
#10	99
#20	98
#40	97
#60	91
#100	41
#200	22
Pan	--

USCS Group Symbol	SC
USCS Group Name	CLAYEY SAND
Cu	---
Cc	---
LL	36
PI	16
Gravel	0.0
Sand	78.1
Fines	21.9
AASHTO Classification	A-2-6
Color	Light Green

Test Method: ASTM D 422

Soil Classification by ASTM D2487 and AASHTO M 145

Reviewed by: *Lindsay Bantz*