GRAIN SIZE DISTRIBUTION TEST DATA

1/26/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2174A
Depth: 578.7-580.2 **Sample Number:** SS-53
Material Description: Pinkish Gray Sandy Lean CLAY
Date: 1-05-08 **Natural Moisture:** 17.5
Liquid Limit: 42 **Plastic Limit:** 12 **USCS Class.:** CL
Testing Remarks: Specific Gravity = 2.706 (ASTM D854-06)
Tested by: CS **Checked by:** LBJ

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
218.62	0.00	0.00	#10	0.00	100.0
51.92	0.00	0.00	#20	0.16	99.7
			#40	0.66	98.7
			#60	2.84	94.5
			#100	8.30	84.0
			#140	13.47	74.1
			#200	17.48	66.3

Hydrometer Test Data

Hydrometer test uses material passing #10
Percent passing #10 based upon complete sample = 100.0
Weight of hydrometer sample =51.92
Hygroscopic moisture correction:
Moist weight and tare = 27.60
Dry weight and tare = 27.36
Tare weight = 15.63
Hygroscopic moisture = 2.0%
Table of composite correction values:

Temp., deg. C:	12.8	27.3
Comp. corr.:	-7.0	-3.0

Meniscus correction only = 1.0
Specific gravity of solids = 2.706
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 - 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	21.5	35.0	30.4	0.0132	36.0	10.4	0.0300	59.0
5.00	21.5	33.0	28.4	0.0132	34.0	10.7	0.0193	55.1
15.00	21.5	31.0	26.4	0.0132	32.0	11.0	0.0113	51.2
30.00	21.5	29.5	24.9	0.0132	30.5	11.3	0.0081	48.3
60.00	21.4	27.0	22.4	0.0132	28.0	11.7	0.0058	43.4
240.00	21.6	23.0	18.4	0.0132	24.0	12.4	0.0030	35.8
1440.00	20.9	21.0	16.2	0.0133	22.0	12.7	0.0012	31.5

MACTEC, Inc.

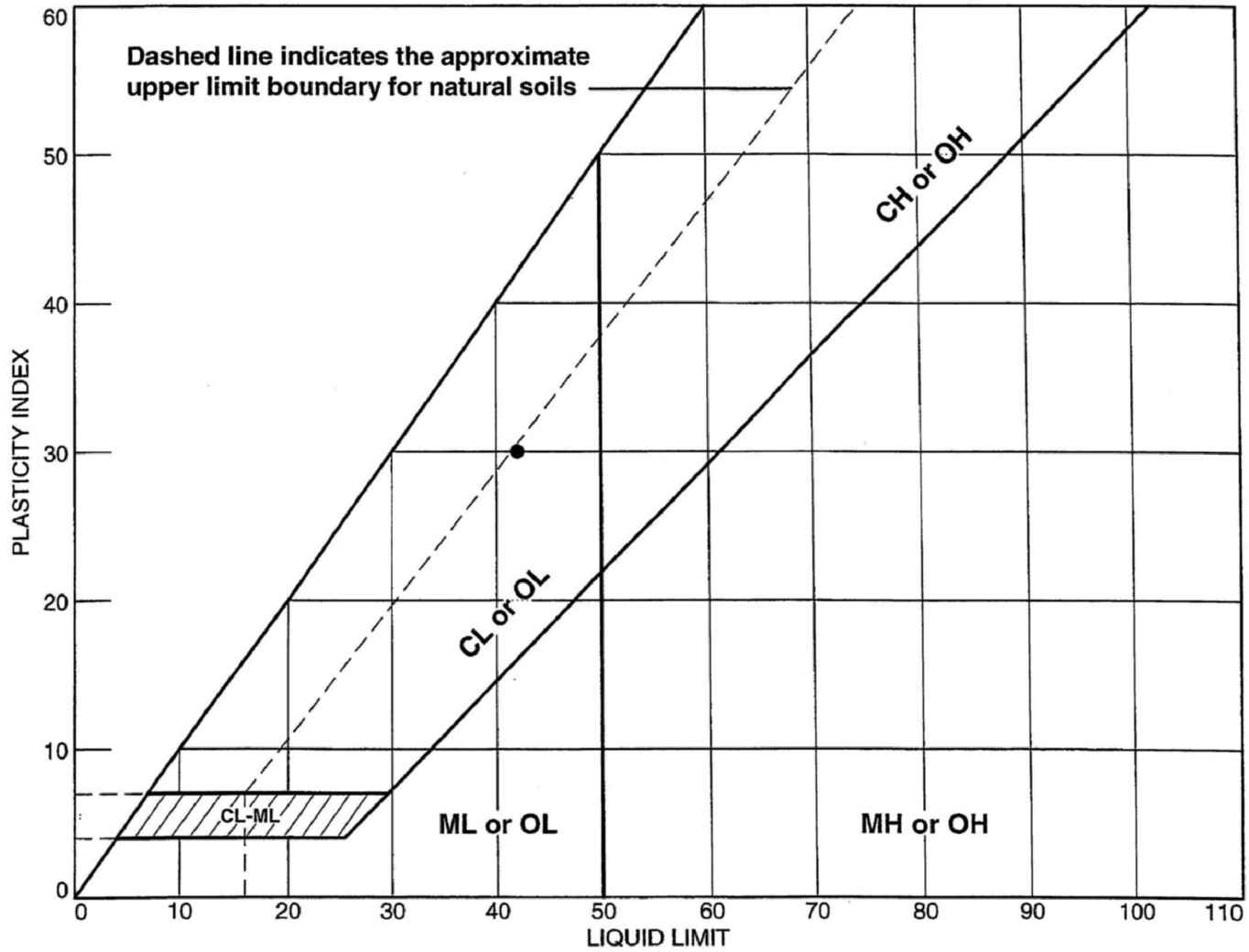
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	1.3	32.4	33.7	25.1	41.2	66.3

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.0095	0.0353	0.1303	0.1556	0.1924	0.2590

Fineness Modulus
0.20

LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D4318 (05)



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2174A	SS-53	578.7-580.2	17.5	12	42	30	CL

MACTEC, Inc. **Raleigh, North Carolina**	**Client:** Bechtel **Project:** Exelon Texas COL (Victoria) **Project No.:** 6468071777 **Figure** NA

Tested By: CS **Checked By:** LBJ ZHU 4-28-08

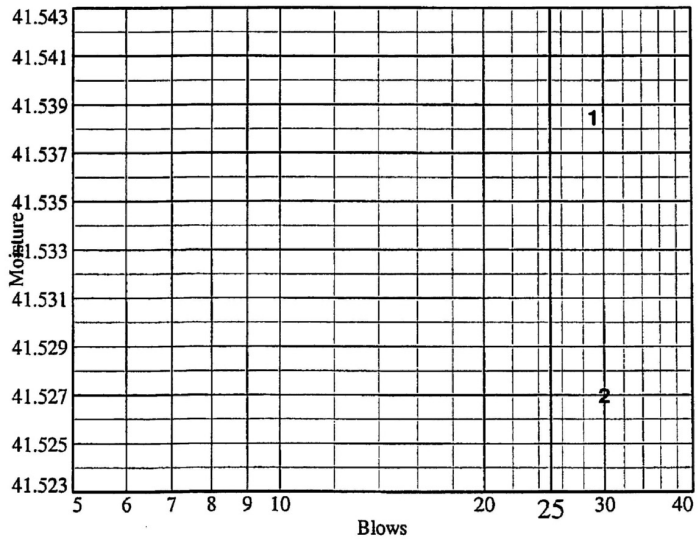
LIQUID AND PLASTIC LIMIT TEST DATA

4/10/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2174A
Depth: 578.7-580.2 **Sample Number:** SS-53
Material Description: Pinkish Gray Sandy Lean CLAY
USCS: CL **AASHTO:** A-7-6(17)
Tested by: CS **Checked by:** LBJ

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	28.29	30.82				
Dry+Tare	24.51	26.36				
Tare	15.41	15.62				
# Blows	29	30				
Moisture	41.5	41.5				



Liquid Limit= 42
Plastic Limit= 12
Plasticity Index= 30
Natural Moisture= 17.5
Liquidity Index= 0.2

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	25.53	23.53			
Dry+Tare	24.45	22.66			
Tare	15.65	15.52			
Moisture	12.3	12.2			

Natural Moisture Data

Wet+Tare	Dry+Tare	Tare	Moisture
137.50	118.40	9.40	17.5

MACTEC, Inc.

MACTEC ENGINEERING AND CONSULTING, INC.
RALEIGH, NORTH CAROLINA

REPORT OF THE STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS
Performed in General Accordance with ASTM D 854-06 (Method B)

PROJECT NAME:EXELON COL PROJECT (VICTORIA)

PROJECT NUMBER: 6468071777

DATE: 1/20/08

SAMPLE IDENTIFICATION: B-2174A SS-53

(A) Mass of oven-dried soil, grams:		50.07
(B) Mass of pycnometer filled with water at test temperature (T), grams:		655.43
(C) Mass of pycnometer, water and soil, grams:		686.99
(T) Temperature of pycnometer, water and soil, °C when mass (C) determined:		18.2
(G) Specific Gravity at observed temperature:	A / [B - (C - A)]	2.705
(F)	***Correction factor:***	1.00035
(G x F)	**SPECIFIC GRAVITY @ 20°C:**	2.706

MATERIAL TESTED: [X] **- # 4** [ ] **- # 10**

PREPARATION METHOD: [X] **DRY** [ ] **WET (dispersed)**

REMARKS: Estimated % Passing # 4 : 100%
Sandy Lean CLAY (CL)

EQUIPMENT USED
SCALES : 3.1.19
OVEN : 5.1.16
THERMOMETER : 5.1.01
PYCNOMETER : P-5

TESTED BY: CS

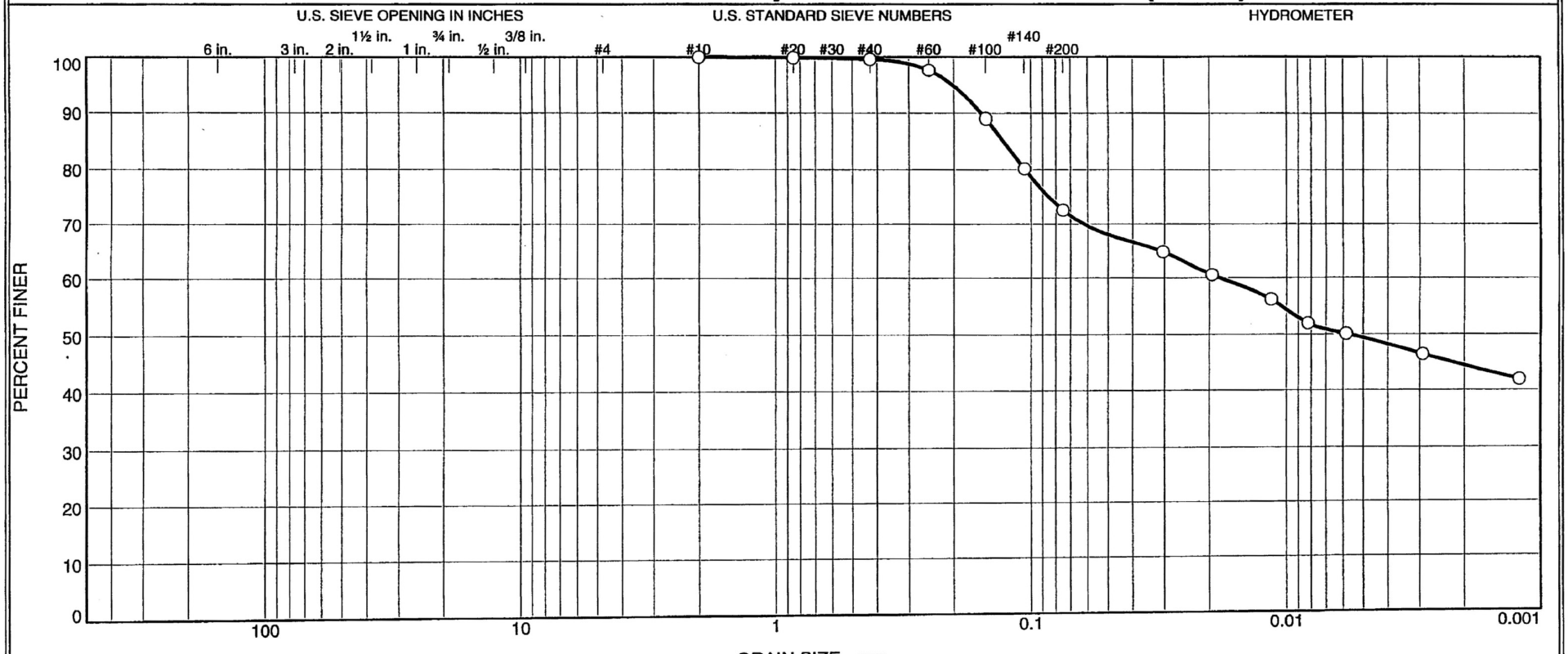
\Test Reports\Soils\SPECIFIC GRAVITY(ref).xls

REVIEWED BY: **Brian Johnson**

DSC 1-26-08

Boring B-2182A

Particle Size Distribution Report / ASTM D 422-63(2002)e1



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	27.0	23.2	49.4

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Boring B-2182A	SS-1	0-1.5	11/28/07	CH	Dark Gray Fat CLAY with sand	18.2	50	17

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777 Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ Specific Gravity is assumed
Organic Content = 2.4% (ASTM D 2974-07)

Tested By: CS **Checked By:** LBJ DSC 3-13-08

GRAIN SIZE DISTRIBUTION TEST DATA

3/12/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 0-1.5 **Sample Number:** SS-1
Material Description: Dark Gray Fat CLAY with sand
Date: 11/28/07 **Natural Moisture:** 18.2
Liquid Limit: 50 **Plastic Limit:** 17 **USCS Class.:** CH
Testing Remarks: Specific Gravity is assumed
Organic Content = 2.4% (ASTM D 2974-07)
Tested by: CS **Checked by:** LBJ

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
280.83	0.00	0.00	#10	0.00	100.0
48.11	0.00	0.00	#20	0.06	99.9
			#40	0.21	99.6
			#60	1.17	97.6
			#100	5.25	89.1
			#140	9.53	80.2
			#200	13.18	72.6

Hydrometer Test Data

Hydrometer test uses material passing #10
Percent passing #10 based upon complete sample = 100.0
Weight of hydrometer sample =48.11
Hygroscopic moisture correction:
Moist weight and tare = 28.20
Dry weight and tare = 27.67
Tare weight = 15.50
Hygroscopic moisture = 4.4%
Table of composite correction values:

Temp., deg. C:	12.2	27.1
Comp. corr.:	-7.0	-3.0

Meniscus correction only = 1.0
Specific gravity of solids = 2.700
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 - 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	20.5	35.0	30.2	0.0134	36.0	10.4	0.0305	64.8
5.00	20.5	33.0	28.2	0.0134	34.0	10.7	0.0196	60.5
15.00	20.4	31.0	26.2	0.0134	32.0	11.0	0.0115	56.2
30.00	20.5	29.0	24.2	0.0134	30.0	11.4	0.0082	52.0
60.00	20.9	28.0	23.3	0.0133	29.0	11.5	0.0058	50.1
240.00	22.0	26.0	21.6	0.0131	27.0	11.9	0.0029	46.4
1440.00	21.6	24.0	19.5	0.0132	25.0	12.2	0.0012	41.9

MACTEC, Inc.

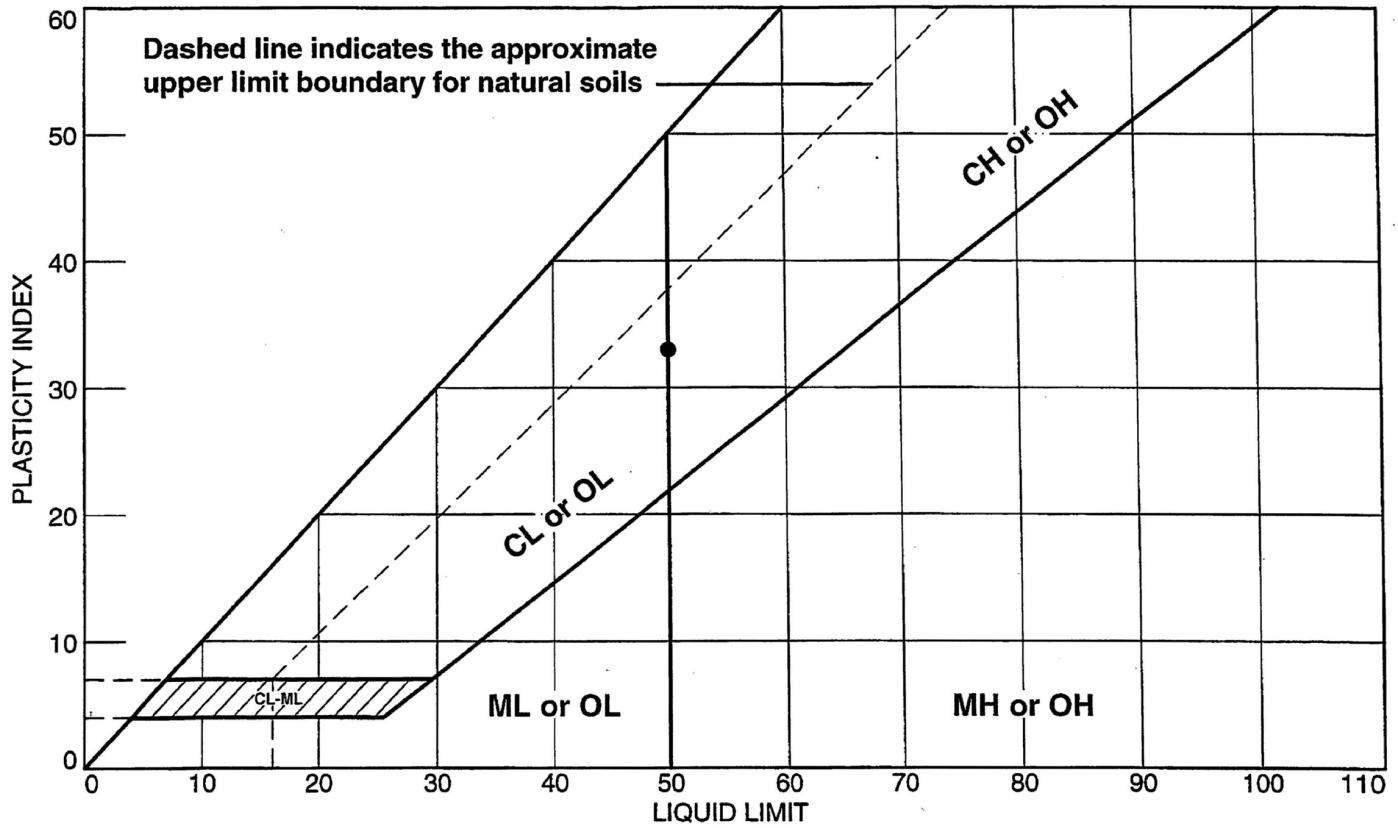
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	27.0	27.4	23.2	49.4	72.6

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.0058	0.0183	0.1052	0.1274	0.1561	0.2031

Fineness Modulus
0.12

LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D4318 (05)



SOIL DATA

	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2182A	SS-1	0-1.5	18.2	17	50	33	CH

MACTEC, Inc. **Raleigh, North Carolina**	**Client:** Bechtel **Project:** Exelon Texas COL (Victoria) **Project No.:** 6468071777 **Figure** NA

Tested By: CS **Checked By:** LBJ PSC 1-25-08

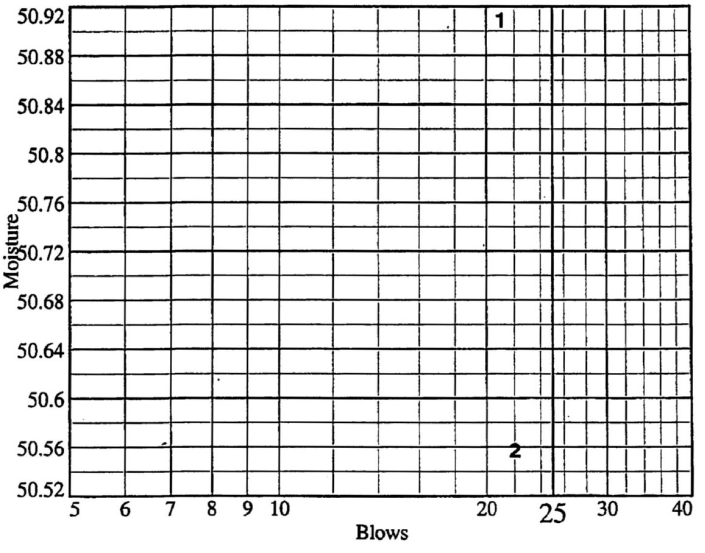
LIQUID AND PLASTIC LIMIT TEST DATA

1/24/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 0-1.5 **Sample Number:** SS-1
Material Description: Dark Gray Fat CLAY with sand
USCS: CH **AASHTO:** A-7-6(23)
Tested by: CS **Checked by:** LBJ

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	22.13	23.77				
Dry+Tare	19.89	21.05				
Tare	15.49	15.67				
# Blows	21	22				
Moisture	50.9	50.6				



Liquid Limit= 50
Plastic Limit= 17
Plasticity Index= 33
Natural Moisture= 18.2
Liquidity Index= 0.0

Plastic Limit Data

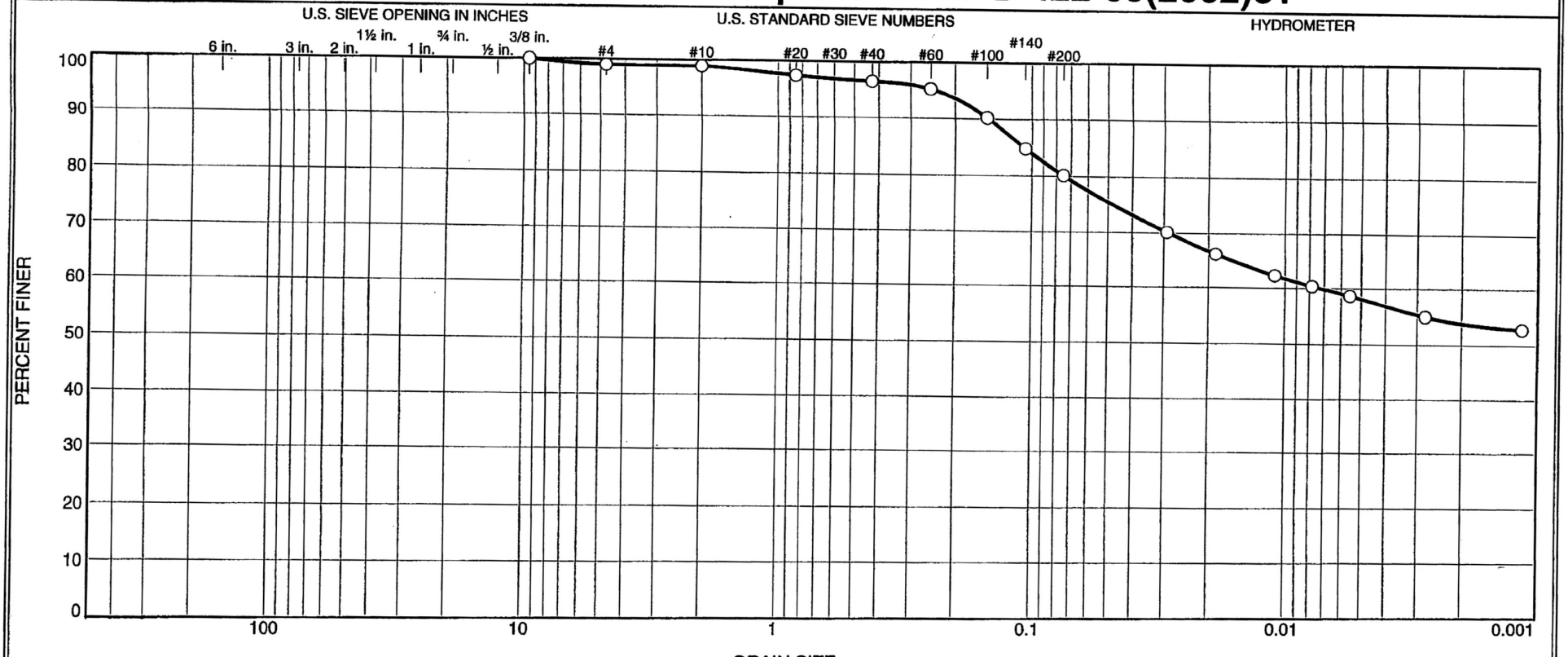
Run No.	1	2	3	4	
Wet+Tare	22.24	22.73			
Dry+Tare	21.29	21.70			
Tare	15.65	15.52			
Moisture	16.8	16.7			

Natural Moisture Data

Wet+Tare	Dry+Tare	Tare	Moisture
124.10	105.97	6.60	18.2

MACTEC, Inc.

Particle Size Distribution Report / ASTM D 422-63(2002)e1



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.0	0.1	2.5	16.2	22.1	58.1

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Boring B-2182A	SS-2	3-4.5	11/28/07	CH	Dark Gray Fat CLAY with sand	17.3	61	19

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777 | Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ Specific gravity is assumed

Tested By: CS **Checked By:** LBJ DSC 1-25-08

GRAIN SIZE DISTRIBUTION TEST DATA

1/24/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 3-4.5 **Sample Number:** SS-2
Material Description: Dark Gray Fat CLAY with sand
Date: 11/28/07 **Natural Moisture:** 17.3
Liquid Limit: 61 **Plastic Limit:** 19 **USCS Class.:** CH
Testing Remarks: Specific gravity is assumed
Tested by: CS **Checked by:** LBJ

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
246.57	0.00	0.00	3/8	0.00	100.0
			#4	2.48	99.0
			#10	2.77	98.9
51.38	0.00	0.00	#20	0.79	97.4
			#40	1.27	96.4
			#60	1.92	95.2
			#100	4.51	90.2
			#140	7.29	84.8
			#200	9.73	80.2

Hydrometer Test Data

Hydrometer test uses material passing #10
Percent passing #10 based upon complete sample = 98.9
Weight of hydrometer sample =51.38
Hygroscopic moisture correction:
Moist weight and tare = 27.90
Dry weight and tare = 27.37
Tare weight = 15.50
Hygroscopic moisture = 4.5%
Table of composite correction values:

Temp., deg. C:	12.2	27.1
Comp. corr.:	-7.0	-3.0

Meniscus correction only = 1.0
Specific gravity of solids = 2.700
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 - 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	20.7	40.0	35.3	0.0133	41.0	9.6	0.0292	70.1
5.00	20.8	38.0	33.3	0.0133	39.0	9.9	0.0187	66.2
15.00	20.9	36.0	31.3	0.0133	37.0	10.2	0.0110	62.3
30.00	21.0	35.0	30.4	0.0133	36.0	10.4	0.0078	60.4
60.00	21.5	34.0	29.5	0.0132	35.0	10.6	0.0055	58.6
240.00	22.1	32.0	27.7	0.0131	33.0	10.9	0.0028	55.0
1440.00	21.7	31.0	26.6	0.0132	32.0	11.0	0.0012	52.8

MACTEC, Inc.

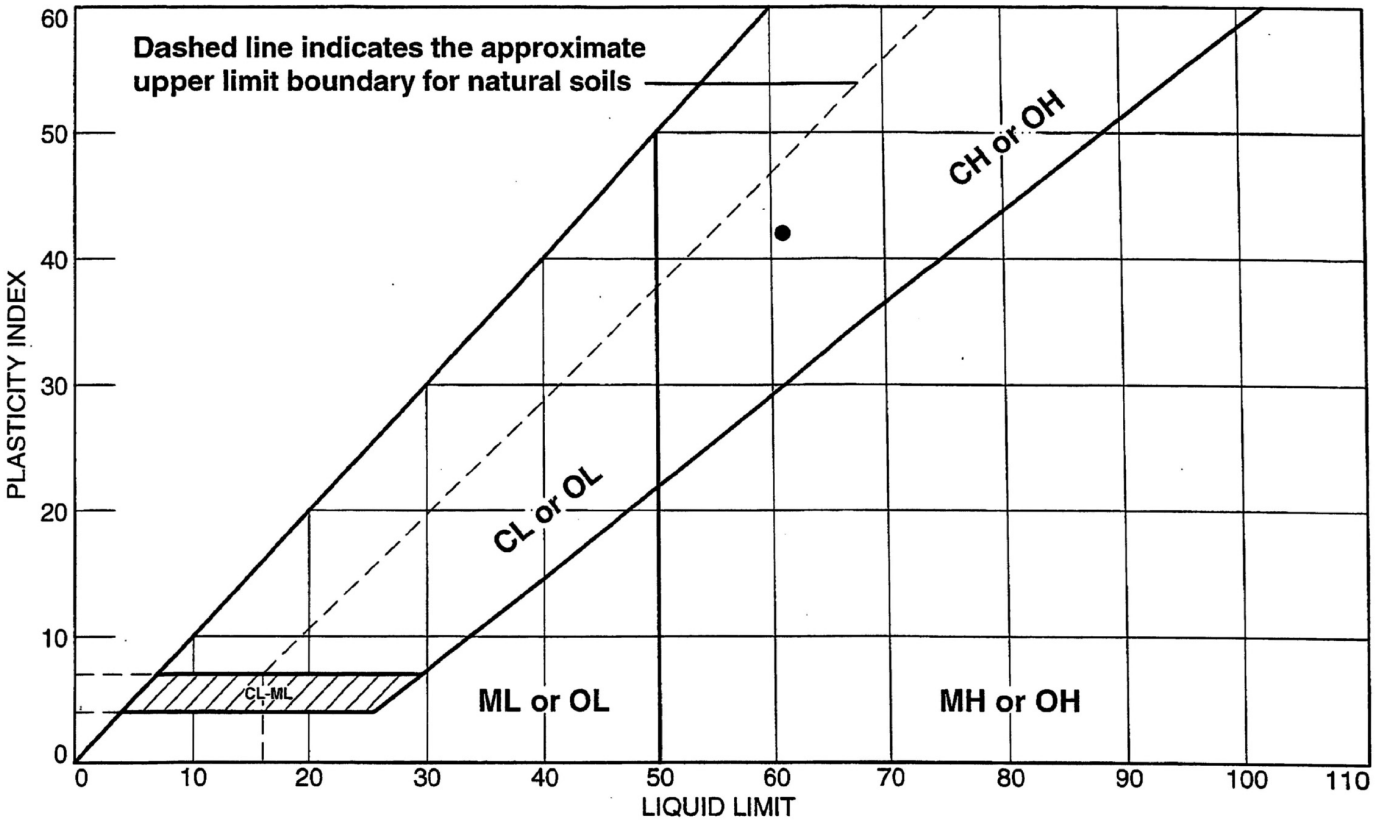
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	1.0	1.0	0.1	2.5	16.2	18.8	22.1	58.1	80.2

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.0073	0.0741	0.1071	0.1479	0.2421

Fineness Modulus
0.21

LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D4318 (05)



SOIL DATA

	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2182A	SS-2	3-4.5	17.3	19	61	42	CH

MACTEC, Inc. **Raleigh, North Carolina**	**Client:** Bechtel **Project:** Exelon Texas COL (Victoria) **Project No.:** 6468071777 **Figure** NA

Tested By: CS **Checked By:** LBJ DSC 1-25-08

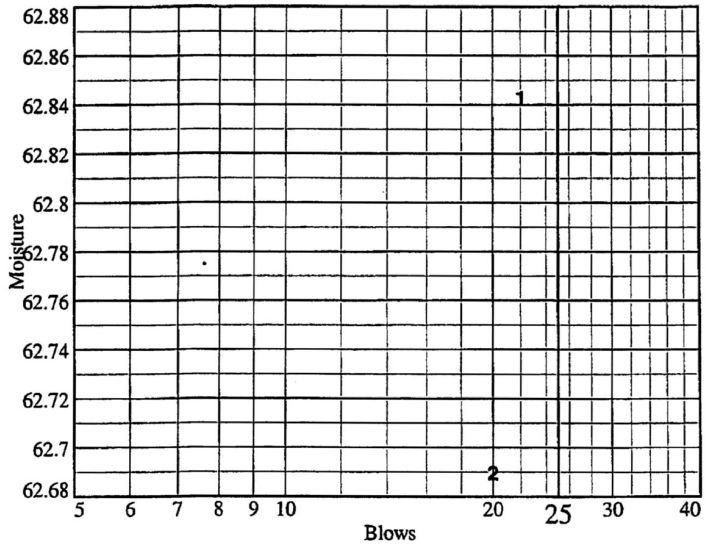
LIQUID AND PLASTIC LIMIT TEST DATA

1/24/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 3-4.5 **Sample Number:** SS-2
Material Description: Dark Gray Fat CLAY with sand
USCS: CH **AASHTO:** A-7-6(35)
Tested by: CS **Checked by:** LBJ

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	22.28	23.16				
Dry+Tare	19.76	20.27				
Tare	15.75	15.66				
# Blows	22	20				
Moisture	62.8	62.7				



Liquid Limit= 61
Plastic Limit= 19
Plasticity Index= 42
Natural Moisture= 17.3
Liquidity Index= 0.0

Plastic Limit Data

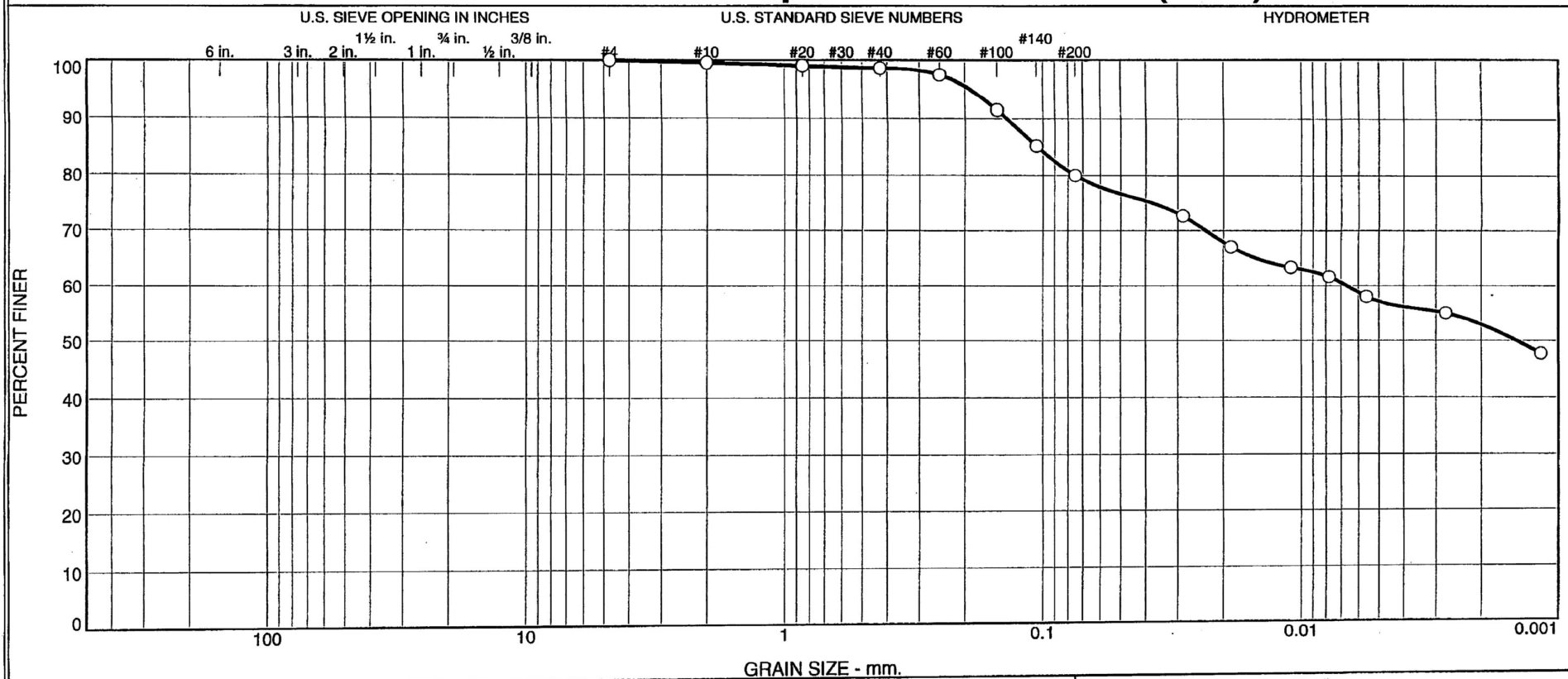
Run No.	1	2	3	4	
Wet+Tare	24.54	22.69			
Dry+Tare	23.16	21.54			
Tare	15.65	15.49			
Moisture	18.4	19.0			

Natural Moisture Data

Wet+Tare	Dry+Tare	Tare	Moisture
110.90	95.60	7.30	17.3

MACTEC, Inc.

Particle Size Distribution Report / ASTM D 422-63(2002)e1



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.4	1.0	18.6	22.8	57.2

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Boring B-2182A	SS-3	6-7.5	11/28/07	CH	Gray Fat CLAY with sand	17.1	54	16

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777 Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ Specific Gravity = 2.678(ASTM D 854-06)
Organic Content = 1.5% (ASTM D 2974-07)

Tested By: CS **Checked By:** LBJ ZHU 4/30/08

GRAIN SIZE DISTRIBUTION TEST DATA

4/9/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 6-7.5 **Sample Number:** SS-3
Material Description: Gray Fat CLAY with sand
Date: 11/28/07 **Natural Moisture:** 17.1
Liquid Limit: 54 **Plastic Limit:** 16 **USCS Class.:** CH
Testing Remarks: Specific Gravity = 2.678(ASTM D 854-06)
Organic Content = 1.5% (ASTM D 2974-07)
Tested by: CS **Checked by:** LBJ

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
231.81	0.00	0.00	#4	0.00	100.0
			#10	1.03	99.6
55.72	0.00	0.00	#20	0.30	99.0
			#40	0.52	98.6
			#60	1.18	97.4
			#100	4.51	91.5
			#140	7.99	85.3
			#200	10.92	80.0

Hydrometer Test Data

Hydrometer test uses material passing #10
Percent passing #10 based upon complete sample = 99.6
Weight of hydrometer sample =54.23
Hygroscopic moisture correction:
Moist weight and tare = 27.55
Dry weight and tare = 27.30
Tare weight = 15.72
Hygroscopic moisture = 2.2%
Table of composite correction values:

Temp., deg. C:	12.2	27.1
Comp. corr.:	-7.0	-3.0

Meniscus correction only = 1.0
Specific gravity of solids = 2.678
Hydrometer type = 152H
Hydrometer effective depth equation: L = 16.294964 - 0.164 **x Rm**

Elapsed Time (min.)	Temp. (deg. C.)	Actual Reading	Corrected Reading	K	Rm	Eff. Depth	Diameter (mm.)	Percent Finer
2.00	19.6	44.0	39.0	0.0136	45.0	8.9	0.0287	72.7
5.00	19.6	41.0	36.0	0.0136	42.0	9.4	0.0187	67.1
15.00	19.7	39.0	34.0	0.0136	40.0	9.7	0.0109	63.4
30.00	20.0	38.0	33.1	0.0135	39.0	9.9	0.0078	61.7
60.00	20.2	36.0	31.1	0.0135	37.0	10.2	0.0056	58.0
247.00	21.5	34.0	29.5	0.0133	35.0	10.6	0.0027	55.0
1440.00	21.8	30.0	25.6	0.0132	31.0	11.2	0.0012	47.7

MACTEC, Inc.

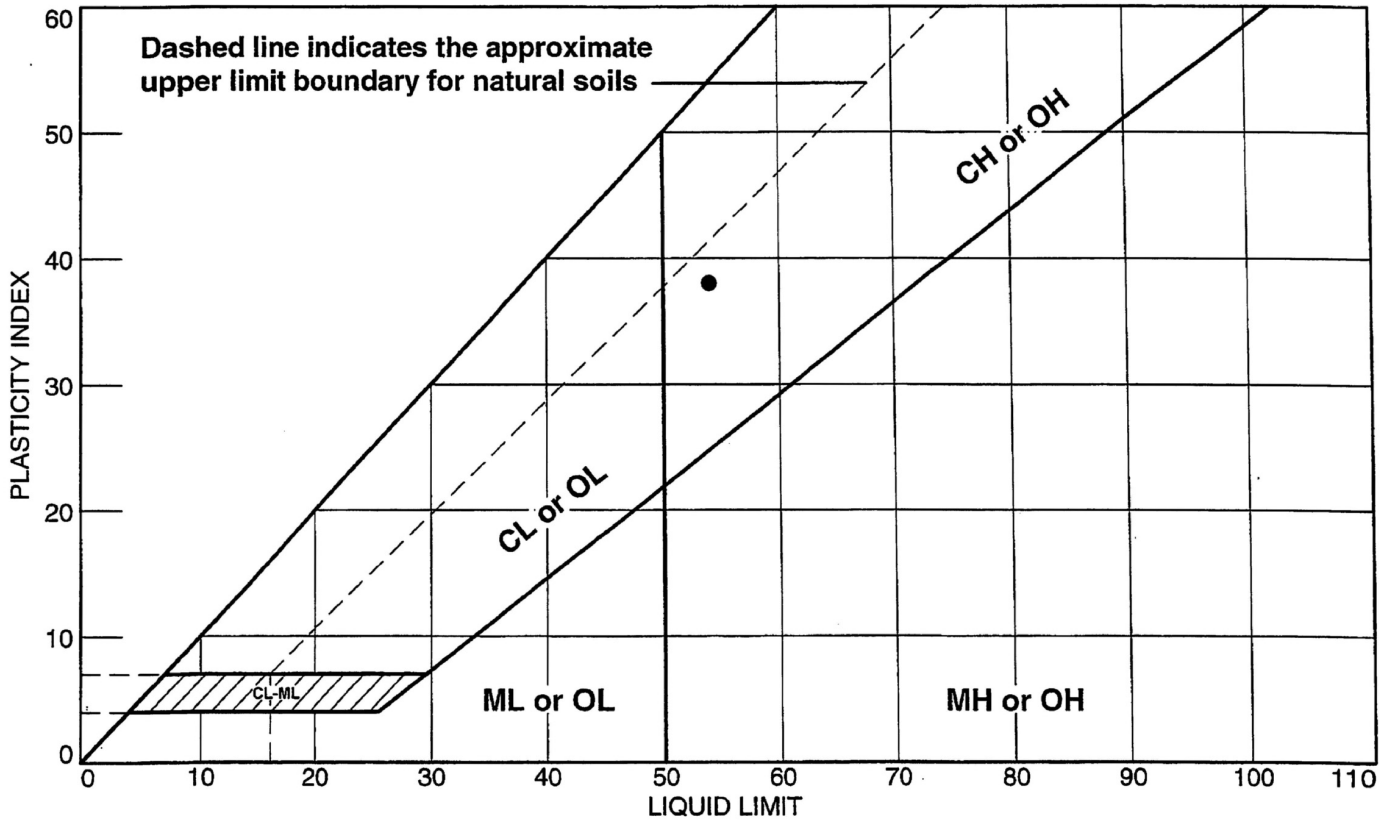
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.4	1.0	18.6	20.0	22.8	57.2	80.0

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.0015	0.0066	0.0747	0.1043	0.1375	0.1916

Fineness Modulus
0.13

LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D4318 (05)



SOIL DATA

	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2182A	SS-3	6-7.5	17.1	16	54	38	CH

MACTEC, Inc. **Raleigh, North Carolina**	**Client:** Bechtel **Project:** Exelon Texas COL (Victoria) **Project No.:** 6468071777 **Figure** NA

Tested By: CS **Checked By:** LBJ ZHU 4/30/08

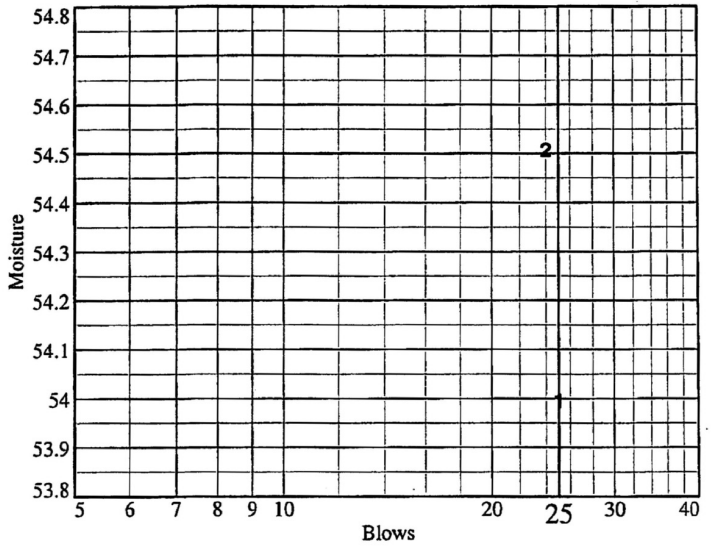
LIQUID AND PLASTIC LIMIT TEST DATA

4/9/2008

Client: Bechtel
Project: Exelon Texas COL (Victoria)
Project Number: 6468071777
Location: Boring B-2182A
Depth: 6-7.5 **Sample Number:** SS-3
Material Description: Gray Fat CLAY with sand
USCS: CH **AASHTO:** A-7-6(30)
Tested by: CS **Checked by:** LBJ

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	22.59	23.17				
Dry+Tare	20.09	20.51				
Tare	15.46	15.63				
# Blows	25	24				
Moisture	54.0	54.5				



Liquid Limit= 54
Plastic Limit= 16
Plasticity Index= 38
Natural Moisture= 17.1
Liquidity Index= 0.0

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	22.98	22.11			
Dry+Tare	21.95	21.16			
Tare	15.60	15.49			
Moisture	16.2	16.8			

Natural Moisture Data

Wet+Tare	Dry+Tare	Tare	Moisture
185.10	159.08	7.10	17.1

MACTEC, Inc.

MACTEC ENGINEERING AND CONSULTING, INC.
RALEIGH, NORTH CAROLINA

REPORT OF THE STANDARD TEST METHOD FOR SPECIFIC GRAVITY OF SOILS
Performed in General Accordance with ASTM D 854-06 (Method B)

PROJECT NAME:EXELON COL PROJECT [VICTORIA]

PROJECT NUMBER: 6468071777

DATE: 12/13/07

SAMPLE IDENTIFICATION: B-2182A SS-3

(A) Mass of oven-dried soil, grams:		53.02
(B) Mass of pycnometer filled with water at test temperature (T), grams:		655.00
(C) Mass of pycnometer, water and soil, grams:		688.23
(T) Temperature of pycnometer, water and soil, °C when mass (C) determined:		21.5
(G) Specific Gravity at observed temperature:	A / [A + (B - C)]	2.679
(F)	***Correction factor:***	0.99968
(G x F)	**SPECIFIC GRAVITY @ 20°C:**	2.678

MATERIAL TESTED: [X] **- # 4** [ ] **- # 10**

PREPARATION METHOD: [X] **DRY** [ ] **WET (dispersed)**

REMARKS: Estimated % Passing # 4 : 100%

Fat CLAY with sand (CH)

EQUIPMENT USED

SCALES : 3.1.99

OVEN : 5.1.16

THERMOMETER : 5.1.01

PYCNOMETER : P-5

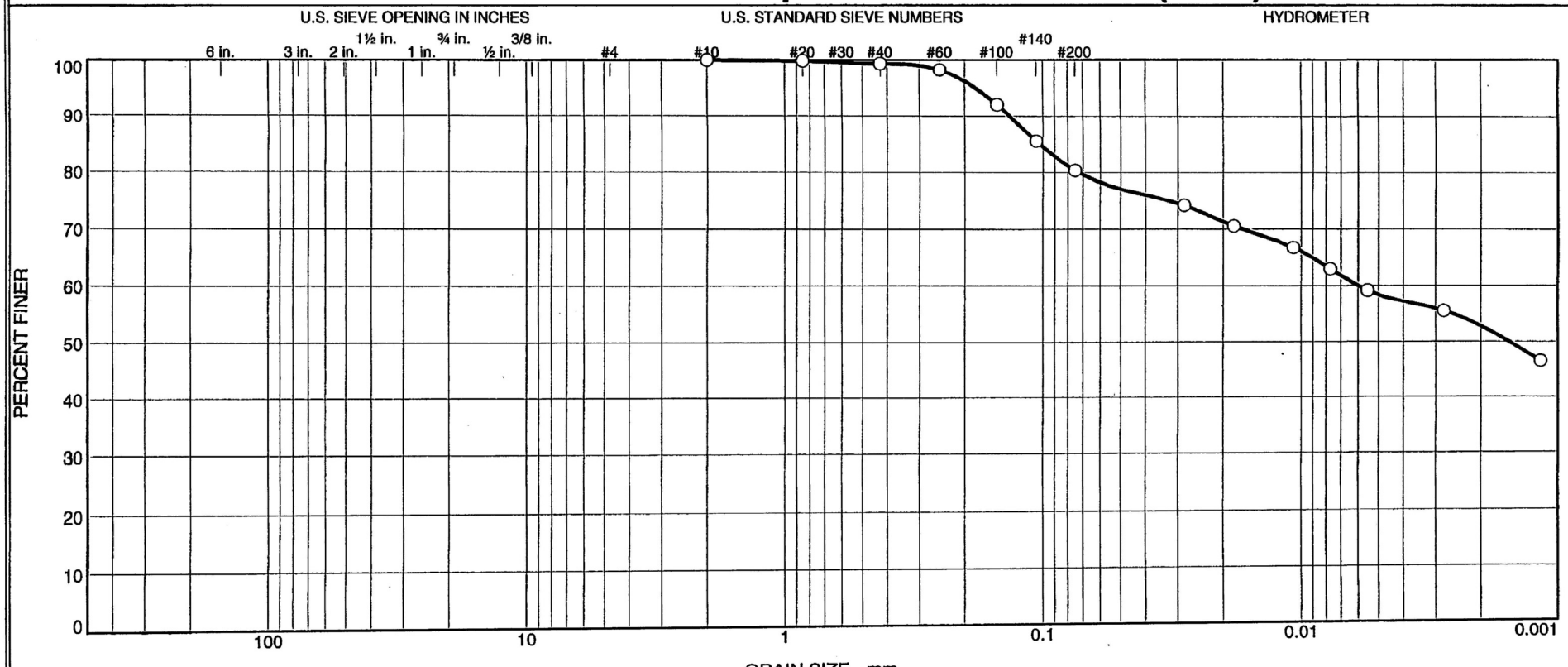
TESTED BY: CS

\Test Reports\Soils\SPECIFIC GRAVITY(ref).xls

REVIEWED BY: **Brian Johnson**

DSC 1-25-08

Particle Size Distribution Report / ASTM D 422-63(2002)e1



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.6	19.0	22.0	58.4

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Boring B-2182A	SS-4	8.5-10	11/28/07	CH	Yellowish Brown Fat CLAY with sand	15.1	50	15

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777 Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ Specific gravity is assumed

Tested By: CS **Checked By:** LBJ KAW 1/26/08