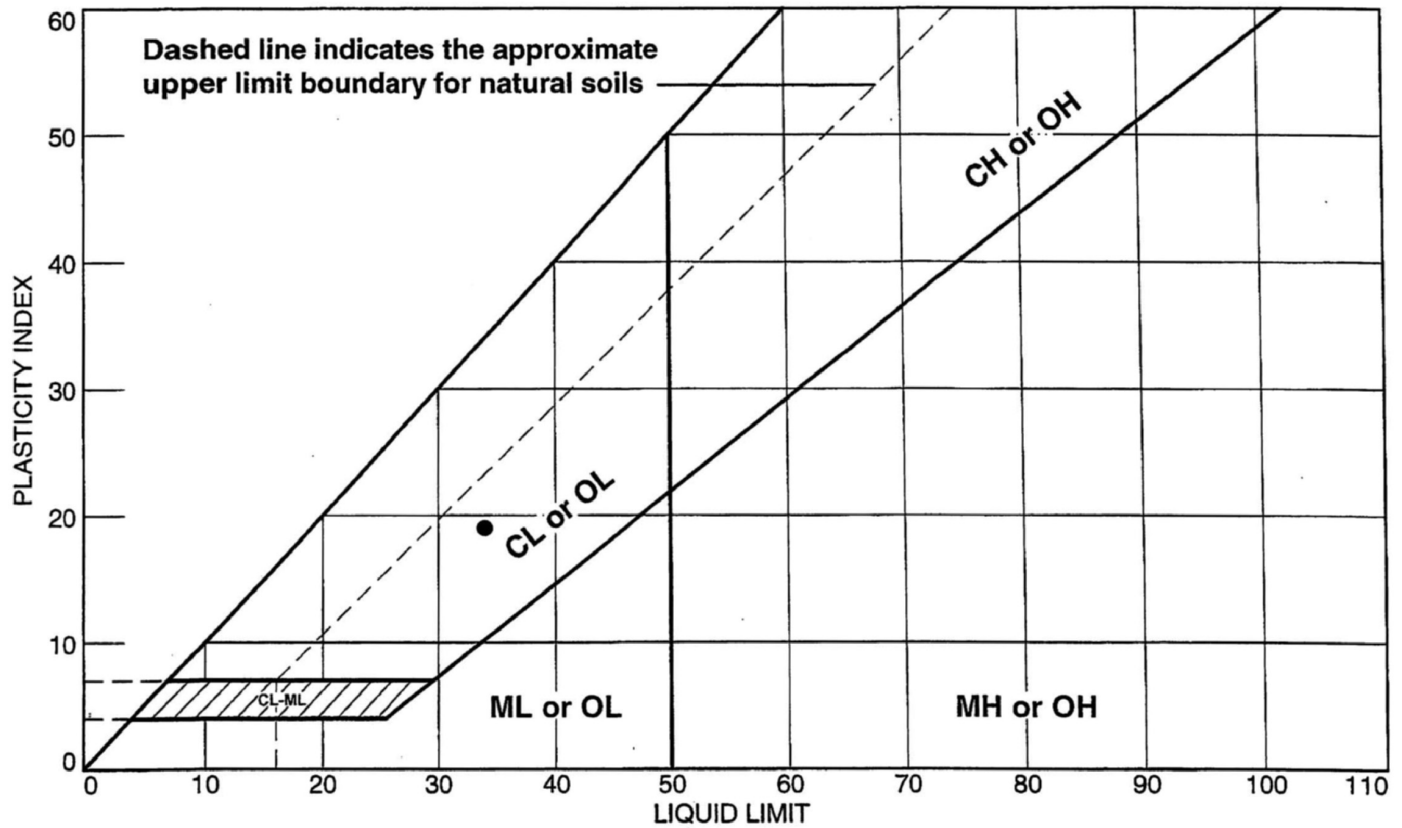


# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D4318 (05)



| SOIL DATA |               |            |          |                           |                   |                  |                      |      |
|-----------|---------------|------------|----------|---------------------------|-------------------|------------------|----------------------|------|
|           | SOURCE        | SAMPLE NO. | DEPTH    | NATURAL WATER CONTENT (%) | PLASTIC LIMIT (%) | LIQUID LIMIT (%) | PLASTICITY INDEX (%) | USCS |
| •         | Boring B-2251 | SS-19      | 78.5-80' | 18.3                      | 15                | 34               | 19                   | CL   |

**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-2251

Depth: 78.5-80'

Sample Number: SS-19

Material Description: Gray Sandy Lean CLAY

USCS: CL

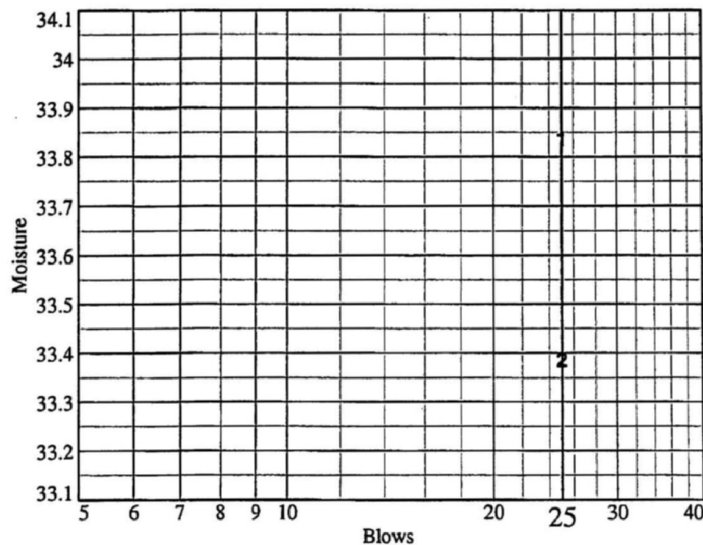
AASHTO: A-6(8)

Tested by: CS

Checked by: LBJ

## Liquid Limit Data

| Run No.  | 1     | 2     | 3 | 4 | 5 | 6 |
|----------|-------|-------|---|---|---|---|
| Wet+Tare | 24.36 | 23.76 |   |   |   |   |
| Dry+Tare | 22.12 | 21.69 |   |   |   |   |
| Tare     | 15.50 | 15.49 |   |   |   |   |
| # Blows  | 25    | 25    |   |   |   |   |
| Moisture | 33.8  | 33.4  |   |   |   |   |



Liquid Limit= 34  
 Plastic Limit= 15  
 Plasticity Index= 19  
 Natural Moisture= 18.3  
 Liquidity Index= 0.2

## Plastic Limit Data

| Run No.  | 1     | 2     | 3 | 4 |
|----------|-------|-------|---|---|
| Wet+Tare | 30.69 | 30.63 |   |   |
| Dry+Tare | 28.69 | 28.56 |   |   |
| Tare     | 15.50 | 15.39 |   |   |
| Moisture | 15.2  | 15.7  |   |   |

## Natural Moisture Data

| Wet+Tare | Dry+Tare | Tare | Moisture |
|----------|----------|------|----------|
| 169.80   | 144.60   | 6.90 | 18.3     |

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: 1/9/08

SAMPLE IDENTIFICATION: B-2251 SS-19

|                                                                             |                           |
|-----------------------------------------------------------------------------|---------------------------|
| (A) Mass of oven-dried soil, grams:                                         | 49.40                     |
| (B) Mass of pycnometer filled with water at test temperature (T), grams:    | 654.84                    |
| (C) Mass of pycnometer, water and soil, grams:                              | 685.71                    |
| (T) Temperature of pycnometer, water and soil, °C when mass (C) determined: | 22.9                      |
| (G) Specific Gravity at observed temperature:                               | $A / [A + (B - C)]$ 2.666 |
| (F) <i>Correction factor:</i>                                               | 0.99936                   |
| (G x F) <b>SPECIFIC GRAVITY @ 20°C:</b>                                     | 2.664                     |

MATERIAL TESTED:

☒

- # 4

☐

- # 10

PREPARATION METHOD:

☒

DRY

☐

WET (dispersed)

REMARKS: Estimated % Passing # 4 : 100%

Sandy Lean CLAY (CL)

EQUIPMENT USED

SCALES : 3.1.99

OVEN : 5.1.16

THERMOMETER : 5.1.01

PYCNO METER : P-5

TESTED BY: CS

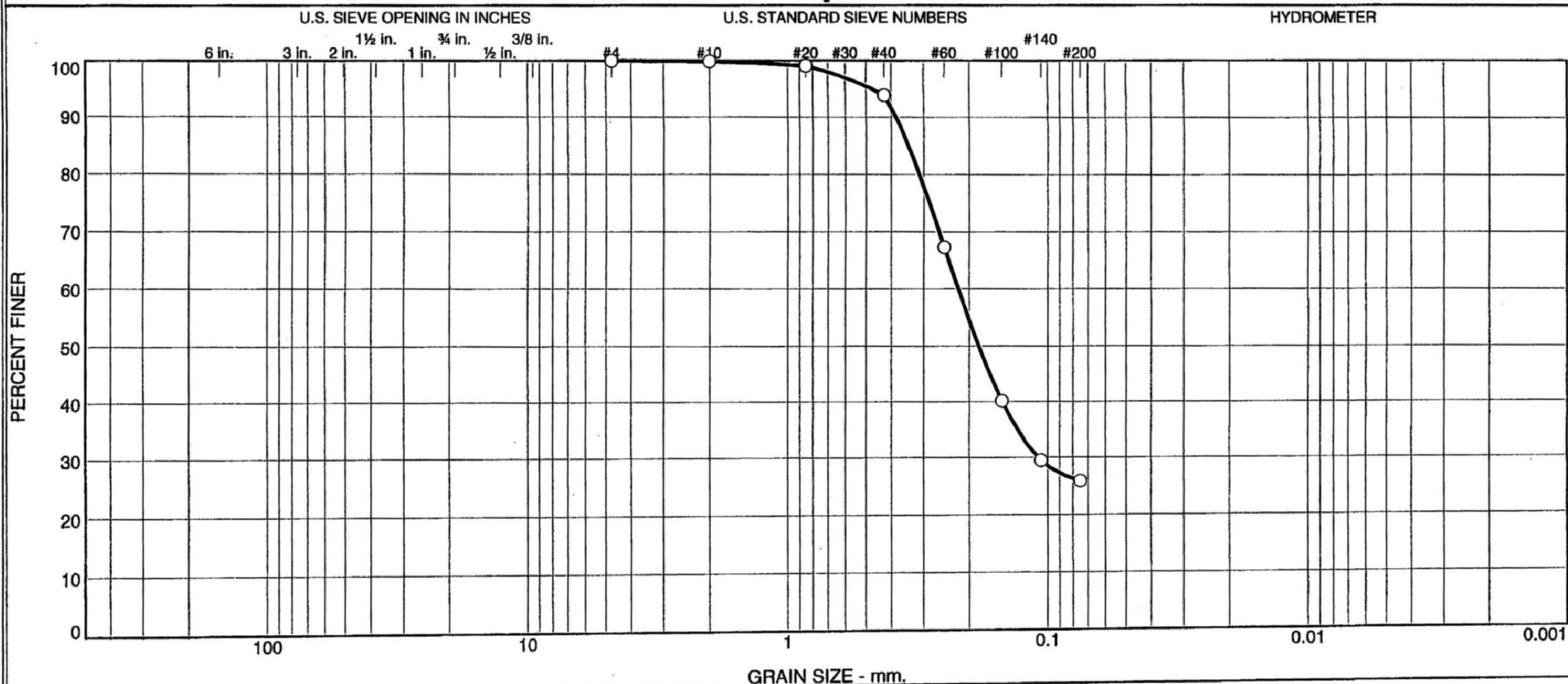
\\Test Reports\\Soils\\SPECIFIC GRAVITY(ref).xls

REVIEWED BY:

Brian Johnson

DSC 1-25-08

# Particle Size Distribution Report / ASTM D- 6913-04e1



GRAIN SIZE - mm.

| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.0  | 0.1    | 6.0    | 68.0 | 25.9    |      |
|       |          |      |        |        |      |         |      |

| Source        | Sample # | Depth/Elev. | Date Sampled | USCS | Material Description                     | NM % | LL | PL |
|---------------|----------|-------------|--------------|------|------------------------------------------|------|----|----|
| Boring B-2251 | SS-20    | 83.5-85'    | 12-03-07     | SC   | Light Brownish Gray Clayey SAND (Visual) | ND   | ND | ND |
|               |          |             |              |      |                                          |      |    |    |

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777

Figure NA

**MACTEC, Inc.**
**Raleigh, North Carolina**

 ○ SIEVE ANALYSIS ONLY  
 ND = Not Determined

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-2251

**Depth:** 83.5-85'

**Sample Number:** SS-20

**Material Description:** Light Brownish Gray Clayey SAND (Visual)

**Date:** 12-03-07

**Natural Moisture:** ND

**Liquid Limit:** ND

**Plastic Limit:** ND

**USCS Class.:** SC

**Testing Remarks:** SIEVE ANALYSIS ONLY

ND = Not Determined

**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 |
|-----------------------------|--------------|------------------------------------|--------------------|------------------------------------|---------------|
| 234.52                      | 0.00         | 0.00                               | #4                 | 0.00                               | 100.0         |
|                             |              |                                    | #10                | 0.23                               | 99.9          |
| 104.15                      | 0.00         | 0.00                               | #20                | 0.84                               | 99.1          |
|                             |              |                                    | #40                | 6.30                               | 93.9          |
|                             |              |                                    | #60                | 33.91                              | 67.4          |
|                             |              |                                    | #100               | 62.31                              | 40.1          |
|                             |              |                                    | #140               | 73.38                              | 29.5          |
|                             |              |                                    | #200               | 77.16                              | 25.9          |

## Fractional Components

| Cobbles | Gravel |      |       | Sand   |        |      |       | Fines |      |       |
|---------|--------|------|-------|--------|--------|------|-------|-------|------|-------|
|         | Coarse | Fine | Total | Coarse | Medium | Fine | Total | Silt  | Clay | Total |
| 0.0     | 0.0    | 0.0  | 0.0   | 0.1    | 6.0    | 68.0 | 74.1  |       |      | 25.9  |

| D <sub>10</sub> | D <sub>15</sub> | D <sub>20</sub> | D <sub>30</sub> | D <sub>50</sub> | D <sub>60</sub> | D <sub>80</sub> | D <sub>85</sub> | D <sub>90</sub> | D <sub>95</sub> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                 |                 |                 | 0.1087          | 0.1843          | 0.2205          | 0.3112          | 0.3425          | 0.3822          | 0.4762          |

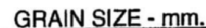
| Fineness Modulus |
|------------------|
| 0.86             |

MACTEC, Inc.



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## HYDROMETER



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-2251

Depth: 88.5-90'

Sample Number: SS-21

Material Description: Gray Clayey SAND (Visual)

Date: 12-03-07

Natural Moisture: ND

Liquid Limit: ND

Plastic Limit: ND

USCS Class.: SC

Testing Remarks: SIEVE ANALYSIS ONLY

Specific Gravity = 2.654 ASTM (D 854-06)

ND = Not Determined

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 |
|-----------------------------|--------------|------------------------------------|--------------------|------------------------------------|---------------|
| 134.90                      | 0.00         | 0.00                               | #4                 | 0.00                               | 100.0         |
|                             |              |                                    | #10                | 0.31                               | 99.8          |
| 101.97                      | 0.00         | 0.00                               | #20                | 1.25                               | 98.5          |
|                             |              |                                    | #40                | 2.04                               | 97.8          |
|                             |              |                                    | #60                | 4.17                               | 95.7          |
|                             |              |                                    | #100               | 25.85                              | 74.5          |
|                             |              |                                    | #140               | 67.74                              | 33.5          |
|                             |              |                                    | #200               | 83.11                              | 18.5          |

## Fractional Components

| Cobbles | Gravel |      |       | Sand   |        |      |       | Fines |      |       |
|---------|--------|------|-------|--------|--------|------|-------|-------|------|-------|
|         | Coarse | Fine | Total | Coarse | Medium | Fine | Total | Silt  | Clay | Total |
| 0.0     | 0.0    | 0.0  | 0.0   | 0.2    | 2.0    | 79.3 | 81.5  |       |      | 18.5  |

| D <sub>10</sub> | D <sub>15</sub> | D <sub>20</sub> | D <sub>30</sub> | D <sub>50</sub> | D <sub>60</sub> | D <sub>80</sub> | D <sub>85</sub> | D <sub>90</sub> | D <sub>95</sub> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                 |                 | 0.0807          | 0.1016          | 0.1227          | 0.1326          | 0.1593          | 0.1707          | 0.1882          | 0.2328          |

| Fineness Modulus |
|------------------|
| 0.32             |

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: 1/9/08

SAMPLE IDENTIFICATION: B-2251 SS-21

|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| (A) Mass of oven-dried soil, grams:                                         | 75.89   |
| (B) Mass of pycnometer filled with water at test temperature (T), grams:    | 656.65  |
| (C) Mass of pycnometer, water and soil, grams:                              | 703.96  |
| (T) Temperature of pycnometer, water and soil, °C when mass (C) determined: | 22.8    |
| (G) Specific Gravity at observed temperature: $A / [ A + ( B - C ) ]$       | 2.655   |
| (F) <i>Correction factor:</i>                                               | 0.99938 |
| (G x F) <b>SPECIFIC GRAVITY @ 20°C:</b>                                     | 2.654   |

MATERIAL TESTED:

☒

- # 4

☐

- # 10

PREPARATION METHOD:

☒

DRY

☐

WET (dispersed)

REMARKS: Estimated % Passing # 4 : 100%

Clayey SAND (SC) - visual

**EQUIPMENT USED**

**SCALES : 3.1.99**

**OVEN : 5.1.16**

**THERMOMETER : 5.1.01**

**PYCNOMETER : P-6**

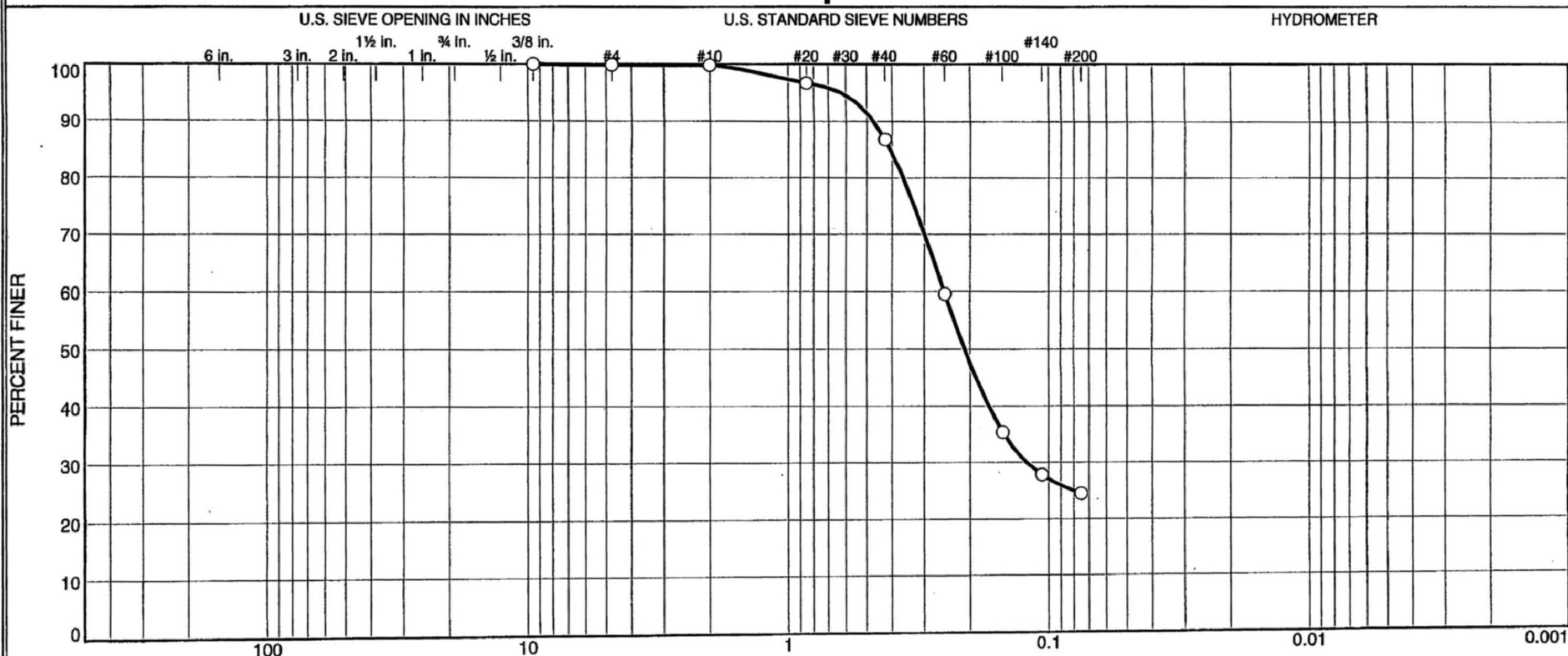
TESTED BY: CS

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

REVIEWED BY: Brian Johnson

DSC 1-25-08

# Particle Size Distribution Report / ASTM D- 6913-04e1



GRAIN SIZE - mm.

| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.2  | 0.0    | 12.9   | 62.4 | 24.5    |      |
|       |          |      |        |        |      |         |      |
|       |          |      |        |        |      |         |      |

| Source        | Sample # | Depth/Elev. | Date Sampled | USCS | Material Description      | NM % | LL | PL |
|---------------|----------|-------------|--------------|------|---------------------------|------|----|----|
| Boring B-2251 | SS-22    | 93.5-95'    | 12-03-07     | SC   | Gray Clayey SAND (Visual) | ND   | ND | ND |
|               |          |             |              |      |                           |      |    |    |
|               |          |             |              |      |                           |      |    |    |

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777

Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ SIEVE ANALYSIS ONLY  
ND = Not Determined



## GRAIN SIZE DISTRIBUTION TEST DATA

1/24/2008

Client: Bechtel

Project: Exelon Texas COL (Victoria)

Project Number: 6468071777

Location: Boring B-2251

Depth: 93.5-95'

Sample Number: SS-22

Material Description: Gray Clayey SAND (Visual)

Date: 12-03-07

Natural Moisture: ND

Liquid Limit: ND

Plastic Limit: ND

USCS Class.: SC

Testing Remarks: SIEVE ANALYSIS ONLY

ND = Not Determined

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 |
|-----------------------------|--------------|------------------------------------|--------------------|------------------------------------|---------------|
| 186.74                      | 0.00         | 0.00                               | 3/8                | 0.00                               | 100.0         |
|                             |              |                                    | #4                 | 0.29                               | 99.8          |
|                             |              |                                    | #10                | 0.32                               | 99.8          |
| 103.23                      | 0.00         | 0.00                               | #20                | 3.20                               | 96.7          |
|                             |              |                                    | #40                | 13.42                              | 86.9          |
|                             |              |                                    | #60                | 41.61                              | 59.6          |
|                             |              |                                    | #100               | 66.70                              | 35.3          |
|                             |              |                                    | #140               | 74.39                              | 27.9          |
|                             |              |                                    | #200               | 77.89                              | 24.5          |

## Fractional Components

| Cobbles | Gravel |      |       | Sand   |        |      |       | Fines |      |       |
|---------|--------|------|-------|--------|--------|------|-------|-------|------|-------|
|         | Coarse | Fine | Total | Coarse | Medium | Fine | Total | Silt  | Clay | Total |
| 0.0     | 0.0    | 0.2  | 0.2   | 0.0    | 12.9   | 62.4 | 75.3  |       |      | 24.5  |

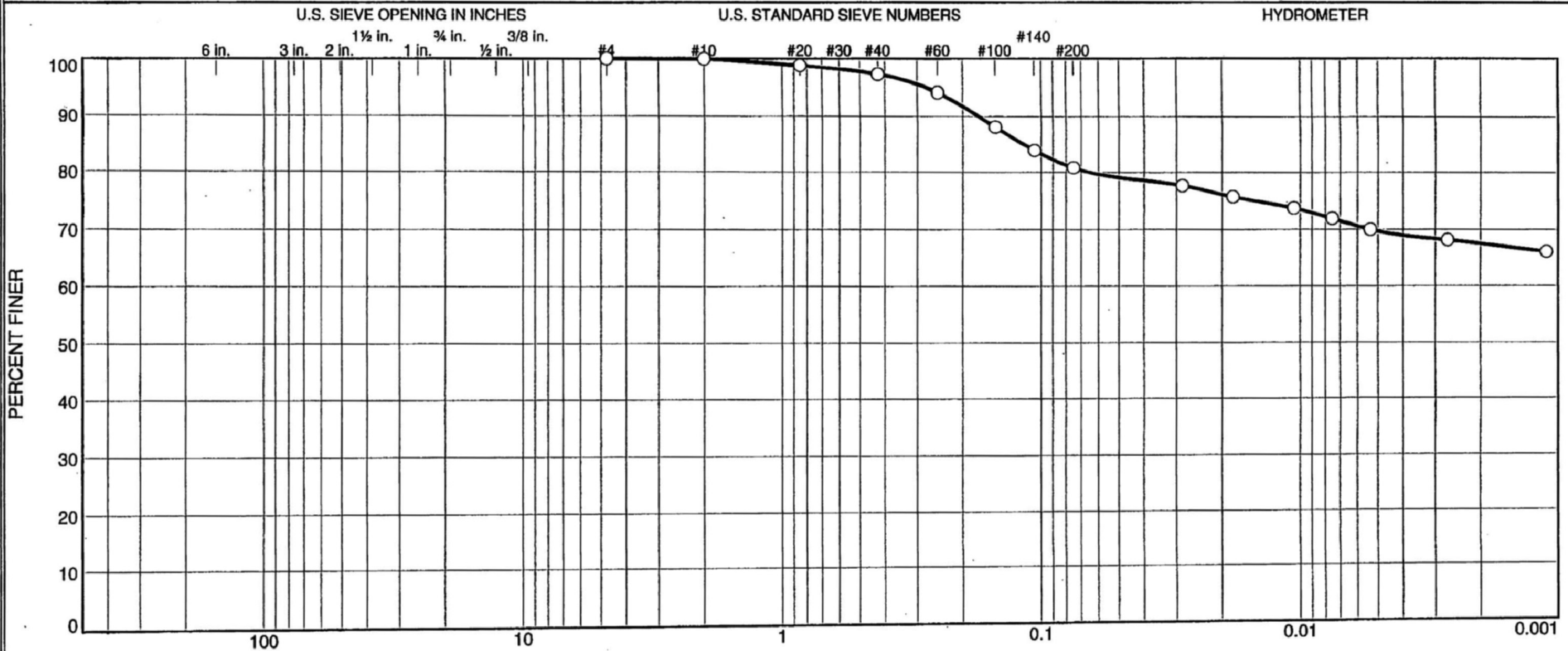
| D <sub>10</sub> | D <sub>15</sub> | D <sub>20</sub> | D <sub>30</sub> | D <sub>50</sub> | D <sub>60</sub> | D <sub>80</sub> | D <sub>85</sub> | D <sub>90</sub> | D <sub>95</sub> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                 |                 |                 | 0.1212          | 0.2100          | 0.2518          | 0.3620          | 0.4049          | 0.4698          | 0.6263          |

Fineness Modulus

1.02

MACTEC, Inc.

# Particle Size Distribution Report / ASTM D 422-63-04(2002)e1



## GRAIN SIZE DISTRIBUTION TEST DATA

1/24/2008

Client: Bechtel

Project: Exelon Texas COL (Victoria)

Project Number: 6468071777

Location: Boring B-2251

Depth: 98.5-100'

Sample Number: SS-23

Material Description: Greenish Gray Lean CLAY with sand

Date: 12-03-07

Natural Moisture: 13.6

Liquid Limit: 33

Plastic Limit: 14

USCS Class.: CL

Testing Remarks: Specific Gravity = 2.654 (ASTM D854-06)

Organic content = 2.2% (ASTM D2794-07)

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 |
|-----------------------------|--------------|------------------------------------|--------------------|------------------------------------|---------------|
| 190.20                      | 0.00         | 0.00                               | #4                 | 0.00                               | 100.0         |
|                             |              |                                    | #10                | 0.13                               | 99.9          |
| 51.54                       | 0.00         | 0.00                               | #20                | 0.59                               | 98.8          |
|                             |              |                                    | #40                | 1.37                               | 97.3          |
|                             |              |                                    | #60                | 2.99                               | 94.1          |
|                             |              |                                    | #100               | 6.08                               | 88.1          |
|                             |              |                                    | #140               | 8.25                               | 83.9          |
|                             |              |                                    | #200               | 9.87                               | 80.8          |

## Hydrometer Test Data

Hydrometer test uses material passing #10

Percent passing #10 based upon complete sample = 99.9

Weight of hydrometer sample = 51.54

Hygroscopic moisture correction:

Moist weight and tare = 29.81

Dry weight and tare = 29.53

Tare weight = 15.53

Hygroscopic moisture = 2.0%

Table of composite correction values:

Temp., deg. C: 12.3 27.3

Comp. corr.: -7.0 -3.0

Meniscus correction only = 1.0

Specific gravity of solids = 2.654

Hydrometer type = 152H

Hydrometer effective depth equation:  $L = 16.294964 - 0.164 \times R_m$ 

| Elapsed Time (min.) | Temp. (deg. C.) | Actual Reading | Corrected Reading | K      | Rm   | Eff. Depth | Diameter (mm.) | Percent Finer |
|---------------------|-----------------|----------------|-------------------|--------|------|------------|----------------|---------------|
| 2.00                | 21.0            | 44.0           | 39.3              | 0.0135 | 45.0 | 8.9        | 0.0284         | 77.7          |
| 5.00                | 21.0            | 43.0           | 38.3              | 0.0135 | 44.0 | 9.1        | 0.0181         | 75.7          |
| 15.00               | 21.0            | 42.0           | 37.3              | 0.0135 | 43.0 | 9.2        | 0.0106         | 73.7          |
| 30.00               | 21.3            | 41.0           | 36.4              | 0.0134 | 42.0 | 9.4        | 0.0075         | 71.9          |
| 60.00               | 21.4            | 40.0           | 35.4              | 0.0134 | 41.0 | 9.6        | 0.0053         | 70.0          |
| 240.00              | 21.7            | 39.0           | 34.5              | 0.0133 | 40.0 | 9.7        | 0.0027         | 68.2          |
| 1440.00             | 21.5            | 38.0           | 33.5              | 0.0134 | 39.0 | 9.9        | 0.0011         | 66.1          |

MACTEC, Inc.



# Fractonal Components

| Cobbles | Gravel |      |       | Sand   |        |      |       | Fines |      |       |
|---------|--------|------|-------|--------|--------|------|-------|-------|------|-------|
|         | Coarse | Fine | Total | Coarse | Medium | Fine | Total | Silt  | Clay | Total |
| 0.0     | 0.0    | 0.0  | 0.0   | 0.1    | 2.6    | 16.5 | 19.2  | 11.1  | 69.7 | 80.8  |

| D <sub>10</sub> | D <sub>15</sub> | D <sub>20</sub> | D <sub>30</sub> | D <sub>50</sub> | D <sub>60</sub> | D <sub>80</sub> | D <sub>85</sub> | D <sub>90</sub> | D <sub>95</sub> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                 |                 |                 |                 |                 |                 | 0.0654          | 0.1164          | 0.1734          | 0.2770          |

| Fineness<br>Modulus |
|---------------------|
| 0.19                |

MACTEC, Inc.

Dashed line indicates the approximate upper limit boundary for natural soils

CH or OH

CL or OL

ML or OL

MH or OH

CL-ML

PLASTICITY INDEX

LIQUID LIMIT

|                                                           |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>MACTEC, Inc.</b><br><br><b>Raleigh, North Carolina</b> | <b>Client:</b> Bechtel<br><b>Project:</b> Exelon Texas COL (Victoria)              |
|                                                           | <b>Project No.:</b> 6468071777 <span style="float: right;"><b>Figure</b> NA</span> |

DSC 1-25-00

# LIQUID AND PLASTIC LIMIT TEST DATA

1/24/2008

Client: Bechtel

Project: Exelon Texas COL (Victoria)

Project Number: 6468071777

Location: Boring B-2251

Depth: 98.5-100'

Sample Number: SS-23

Material Description: Greenish Gray Lean CLAY with sand

USCS: CL

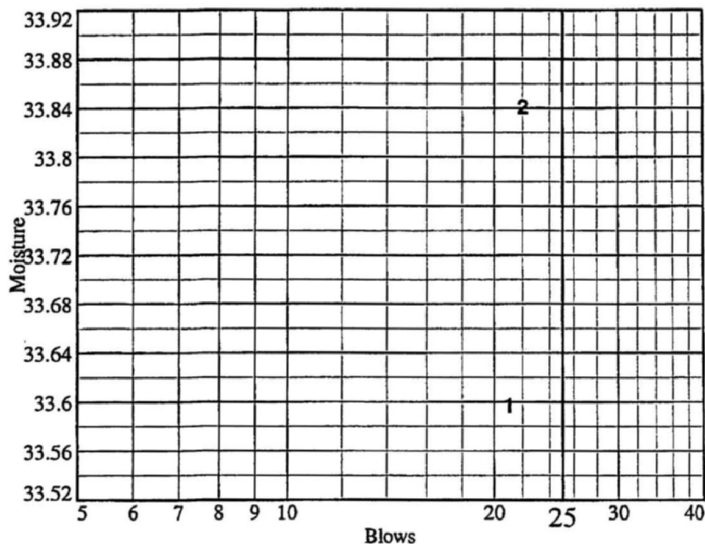
AASHTO: A-6(14)

Tested by: CS

Checked by: LBJ

## Liquid Limit Data

| Run No.  | 1     | 2     | 3 | 4 | 5 | 6 |
|----------|-------|-------|---|---|---|---|
| Wet+Tare | 23.93 | 24.25 |   |   |   |   |
| Dry+Tare | 21.81 | 22.03 |   |   |   |   |
| Tare     | 15.50 | 15.47 |   |   |   |   |
| # Blows  | 21    | 22    |   |   |   |   |
| Moisture | 33.6  | 33.8  |   |   |   |   |



Liquid Limit= 33  
 Plastic Limit= 14  
 Plasticity Index= 19  
 Natural Moisture= 13.6  
 Liquidity Index= 0.0

## Plastic Limit Data

| Run No.  | 1     | 2     | 3 | 4 |
|----------|-------|-------|---|---|
| Wet+Tare | 28.24 | 28.72 |   |   |
| Dry+Tare | 26.66 | 27.11 |   |   |
| Tare     | 15.53 | 15.67 |   |   |
| Moisture | 14.2  | 14.1  |   |   |

## Natural Moisture Data

| Wet+Tare | Dry+Tare | Tare | Moisture |
|----------|----------|------|----------|
| 160.06   | 142.03   | 9.45 | 13.6     |

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: 1/8/08

SAMPLE IDENTIFICATION: B-2251 SS-23

|                                                                             |                                       |
|-----------------------------------------------------------------------------|---------------------------------------|
| (A) Mass of oven-dried soil, grams:                                         | 52.64                                 |
| (B) Mass of pycnometer filled with water at test temperature (T), grams:    | 654.79                                |
| (C) Mass of pycnometer, water and soil, grams:                              | 687.61                                |
| (T) Temperature of pycnometer, water and soil, °C when mass (C) determined: | 23.3                                  |
| (G) Specific Gravity at observed temperature:                               | $A / [A + (B - C)]$ 2.656             |
| (F)                                                                         | <b>Correction factor:</b> 0.99926     |
| (G x F)                                                                     | <b>SPECIFIC GRAVITY @ 20°C:</b> 2.654 |

MATERIAL TESTED:

☒ - # 4

☐ - # 10

PREPARATION METHOD:

☒ DRY

☐ WET (dispersed)

REMARKS: Estimated % Passing # 4 : 100%

Lean CLAY with sand (CL)

**EQUIPMENT USED**

**SCALES : 3.1.99**

**OVEN : 5.1.16**

**THERMOMETER : 5.1.01**

**PYCNO METER : P-5**

TESTED BY: CS

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

REVIEWED BY: Brian Johnson

DSC 1-25-08