

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |                         |
|-------------------------------|--|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |                         |
| BORING NUMBER: CMS-460        | COORDINATES:   | DATE:                   |
| ELEVATION:                    | GWL: Depth      Date/Time                            | DATE STARTED: 7/23/91   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth      Date/Time                                 | DATE COMPLETED: 7/23/91 |
| DRILLING METHODS: Hand Auger  | PAGE 1 OF 1  |                         |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY (%) | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                               |
|------------|-------------------|----------------------|--------------|--|-------------|----------------------------|-------------------|---|
|            |                   |                      |              | Surface: Vegetation, light brown F-M SAND  |             |                            |                   | Rad: 10-15 uR/hr<br>FI0: 0.0 ppm                          |
|            | CMS-460<br>A      | 1                    | 12           | Topsoil: Brown to grayish brown, silty, fine to medium SAND, some fine, rounded GRAVEL trace roots dry. 0.2' | PT          |                            |                   | Rad: 10-15 uR/hr<br>FI0: 0.0 ppm<br>Sample collected 0756 |
|            |                   |                      |              | Yellow-brown to light brown, fine to coarse SAND and fine to coarse, rounded GRAVEL, dry. 0.5'               | SW          |                            |                   |   |
|            |                   |                      |              | Moderate to grayish brown, silty, fine to medium SAND and fine, rounded GRAVEL trace roots dry 1.0'          | GM          |                            |                   |   |
|            |                   |                      |              | End of Exploration at 110 feet, per Work scope.  |             |                            |                   |   |
|            |                   |                      |              | ★ See Field Book for site sketch of location.  |             |                            |                   |   |

NOTES:

Drilling Contractor IT

Drilling Equipment Hand Auger (3")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
pp 78 + 79



## VISUAL CLASSIFICATION OF SOILS

|                               |  |
|-------------------------------|--|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI   |
| BORING NUMBER: CMS-461        | COORDINATES: _____ DATE: _____                         |
| ELEVATION: _____              | GWL: Depth _____ Date/Time _____ DATE STARTED: 7/23/99 |
| ENGINEER/GEOLOGIST: M. Reilly | Depth _____ Date/Time _____ DATE COMPLETED: 7/23/99    |
| DRILLING METHODS: Hand Auger  | PAGE 1 OF 1  |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY (%) | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings<br>REMARKS                           |
|------------|-------------------|--------------------------|--------------|--|-------------|----------------------------|-------------------|--|
|            |                   |                          | 100          | Surface: Vegetation  |             |                            |                   | Rad: 10-15 nR/hr<br>FD: 0.0 ppm                          |
| 1          | CMS-461 A         | -                        | 12%          | Topsoil: Moderate brown, decayed plant material (humus) with some SILT and roots, dry to moist (part?)<br>Moderate to gray-brown SILT and decayed plant material (part?), with roots, moist. | PT          | -                          | -                 | Rad: 10-15 nR/hr<br>FD: 0.0 ppm<br>Sample collected 0807 |
| 2          |                   |                          |              | End of Exploration at 1.0 Foot, per Work scope.  |             |                            |                   |  |
| 3          |                   |                          |              | *See Field Book for Site sketch of location.   |             |                            |                   |  |
| 4          |                   |                          |              |  |             |                            |                   |  |
| 5          |                   |                          |              |  |             |                            |                   |  |

NOTES:

Drilling Contractor: IT

Drilling Equipment: Hand Auger (3")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
pp 80 + 81

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |                         |
|-------------------------------|--|-------------------------|
| PROJECT NUMBER: 752893        | PROJECT NAME: Centredale Manor, North Providence, RI |                         |
| BORING NUMBER: CMS-462        | COORDINATES:   | DATE:                   |
| ELEVATION:                    | GWL: Depth      Date/Time                            | DATE STARTED: 7/23/91   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth      Date/Time                                 | DATE COMPLETED: 7/23/91 |
| DRILLING METHODS: Hand Auger  | PAGE ) OF )  |                         |

| DEPTH (FT) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY (%) | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                      |
|------------|-------------------|--------------------------|--------------|---|-------------|----------------------------|-------------------|--|
|            |                   |                          |              | Surface: N/A<br>Silt, roots 0.1'  | PT          |                            |                   | Red: 10-15 uR/hr<br>FID: 0.0ppm                  |
| 1          | CMS-462 A         | -                        | 12"          | (Fill) moderate to gray-brown SILT, debris (rusted metal fragments, wood), moist. | N/A         | -                          | -                 | Red: N/A<br>FID: 0.0ppm<br>Sample collected 1050 |
| 2          |                   |                          |              | End of Exploration at 1.0 foot, per work scope.                                   |             |                            |                   |  |
| 3          |                   |                          |              | * see Field Book for site sketch of location.                                     |             |                            |                   |  |

NOTES:

Drilling Contractor IT

Drilling Equipment Hand Auger (3")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
Pg 82 + 83

**VISUAL CLASSIFICATION OF SOILS**

|                              |  |           |                         |
|------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893       | PROJECT NAME: Centdale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-463       | COORDINATES:                                       | DATE:     |                         |
| ELEVATION:                   | GWL: Depth   | Date/Time | DATE STARTED: 7/23/94   |
| ENGINEER/GEOLOGIST: M. Rilly | Depth  | Date/Time | DATE COMPLETED: 7/23/94 |
| DRILLING METHODS: Hand Auger | PAGE 1   |           | OF 1                    |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY (%) | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings<br>REMARKS                    |
|------------|-------------------|--------------------------|--------------|---|-------------|----------------------------|-------------------|---|
|            |                   |                          |              | Surface: N/A  |             |                            |                   | Rad: 10-15 uR/hr<br>FID: 0.0 ppm                  |
| 1          | CMS-463<br>A      | -                        | 12"          | Topsoil, grass, outlets. 0.1'<br>Moderate brown CLAY, SILT medium to coarse SAND, medium to coarse subangular GRAVEL, outlets, moist. 0.3'<br>Light brown, silty, fine to coarse SAND, subangular GRAVEL (medium), moist. Increasing GRAVEL with depth. | OL/GC<br>GM | -                          | -                 | Rad: N/A<br>FID: 0.0 ppm<br>Sample collected 1100 |
| 2          |                   |                          |              | End of Exploration at 1.0 Foot, per work scope.   |             |                            |                   |   |
| 3          |                   |                          |              |   |             |                            |                   |   |
| 4          |                   |                          |              |   |             |                            |                   |   |
| 5'         |                   |                          |              |   |             |                            |                   |   |

NOTES:

Drilling Contractor IT

Drilling Equipment Hand Auger (4")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
PA 828-83

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-464        | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 7/23/99   |
| ENGINEER/GEOLOGIST: M. Bailly | Depth  | Date/Time | DATE COMPLETED: 7/23/99 |
| DRILLING METHODS: Hand Auger  | PAGE 1   |           | OF 1                    |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY IN | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                               |
|------------|-------------------|--------------------------|-------------|---|-------------|----------------------------|-------------------|---|
|            |                   |                          |             | Surface: Grass<br>Grass, lawn, roots  |             |                            |                   | Rad: N/A<br>FID: N/A                                      |
|            | CMS-464<br>A      | -                        | 12"         | Moderate brown, fine to medium sandy silt, trace coarse sand and gravel, moist. | OL          | -                          | -                 | Rad: 10-15 uR/hr<br>FID: 0.0 ppm<br>Sample collected 1130 |
|            |                   |                          |             | (fill) Light brown, silty SAND fine to coarse GRAVEL, Brick fragments, moist.   | N/A         |                            |                   |   |
| 1          |                   |                          |             | End of Exploration at 1.0 foot, per work scope.                                 |             |                            |                   |   |
| 2          |                   |                          |             |   |             |                            |                   |   |
| 3          |                   |                          |             |   |             |                            |                   |   |
| 4          |                   |                          |             | ★ See Field Book for site sketch of location.                                   |             |                            |                   |   |
| 5          |                   |                          |             |   |             |                            |                   |   |

NOTES:

Drilling Contractor IT

Drilling Equipment Hand Auger (3")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
pp 84 & 85



## VISUAL CLASSIFICATION OF SOILS

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-465        | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 7/23/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time | DATE COMPLETED: 7/23/99 |
| DRILLING METHODS: Hand Auger  | PAGE   |           | ( OF )                  |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY IN | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings<br>REMARKS                    |
|------------|-------------------|----------------------|-------------|--|-------------|----------------------------|-------------------|---|
|            |                   |                      |             | Surface: Vegetation, silt + sand.  |             |                            |                   | Rad: N/A<br>FID: N/A                              |
| 1          | CMS-465           | 1                    | 12"         | (F11) Silty, sandy, fine to coarse GRAVEL, glass and plastic fragments, light brown, dry | N/A         | -                          | -                 | Rad: N/A<br>FID: 0.00ppm<br>Sample collected 1145 |
| 2          |                   |                      |             | End of Exploration at 1.0 Foot, per the work scope.                                      |             |                            |                   |   |
| 3          |                   |                      |             |  |             |                            |                   |   |
| 4          |                   |                      |             | See Field Book for site sketch of location.  |             |                            |                   |   |
| 5          |                   |                      |             |  |             |                            |                   |   |

**NOTES:**

Drilling Contractor: IT

Drilling Equipment: Hand Auger (3")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
Hand Auger Book 2  
PO 84+85

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |
|-------------------------------|--|
| PROJECT NUMBER: 782893        | PROJECT NAME: Cantecdale Manor, North Providence, RI |
| BORING NUMBER: CMS-466        | COORDINATES: DATE:                                   |
| ELEVATION:                    | GWL: Depth Date/Time DATE STARTED: 7/23/99           |
| ENGINEER/GEOLOGIST: M. Reilly | - Depth Date/Time DATE COMPLETED: 7/23/99            |
| DRILLING METHODS: Hand Auger  | PAGE 1 OF 1  |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY (%) | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS      |
|------------|-------------------|--------------------------|--------------|---|-------------|----------------------------|-------------------|----------------------------------|
|            |                   |                          |              | Surface: Grass  |             |                            |                   | Rad: 10-15 uR/hr<br>FID: 0.0 ppm |
|            | CMS-466 A         | -                        | 12"          | Grass, loam roots.  | 0.1'        |                            |                   |                                  |
|            |                   |                          |              | Light to moderate brown sandy SILT with trace rounded Gravel (loam), dry.         | 0.5'        |                            |                   |                                  |
| 1          |                   |                          |              | Light brown sandy SILT to silty SAND, with fine to coarse subangular Gravel, dry. |             | SM                         | -                 | -                                |
| 2          |                   |                          |              | End of Exploration at 1.0 foot, per the Work Scope                                |             |                            |                   |                                  |
| 3          |                   |                          |              |   |             |                            |                   |                                  |
| 4          |                   |                          |              | ★ See Field Book for site sketch of location.                                     |             |                            |                   |                                  |
| 5          |                   |                          |              |   |             |                            |                   |                                  |

NOTES:

Drilling Contractor IT Reference: Field Book: C.R., RI

Drilling Equipment Hand Auger (3") Hand Auger Book 2

Driller: \_\_\_\_\_ PP 86 + 87



**VISUAL CLASSIFICATION OF SOILS**

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-467        | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 7/23/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time | DATE COMPLETED: 7/23/99 |
| DRILLING METHODS: Hand Auger  | PAGE   |           | 1 OF 1                  |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                        |
|------------|-------------------|----------------------|----------|--|-------------|----------------------------|-------------------|--|
|            |                   |                      |          | Surface: Grass vegetation<br>Organic material, decayed plants, dry   | PT          |                            |                   | Read:<br>FID:                                      |
| 1          | CMS-467<br>A      | -                    | 12"      | (Fill) Light brown, medium to coarse SAND, fine to coarse GRAVEL and COBBLES, dry to moist, interlayered with light to dark gray, clayey fine to medium SAND, moist. | N/A         | -                          | -                 | Read: 10-15 uR/hr<br>FID:<br>Sample collected 1225 |
| 2          |                   |                      |          | End of Exploration at 1.0 foot, per the Work Scope.  |             |                            |                   |  |
| 3          |                   |                      |          |  |             |                            |                   |  |
| 4          |                   |                      |          | See Field Book for site sketch of location   |             |                            |                   |  |
| 5          |                   |                      |          |  |             |                            |                   |  |

NOTES:

Drilling Contractor IT Reference: Field Book: C.R., RI

Drilling Equipment Hand Auger (3") Hand Auger Book 2

Driller: \_\_\_\_\_ PP 86+87

## VISUAL CLASSIFICATION OF SOILS

|                               |  |  |                         |
|-------------------------------|--|--|-------------------------|
| PROJECT NUMBER: 782893        |  | PROJECT NAME: Centredale Manor, North Providence, RI |                         |
| BORING NUMBER: CMS-600        |  | COORDINATES:   | DATE:                   |
| ELEVATION:                    |  | GWL: Depth      Date/Time                            | DATE STARTED: 9/29/99   |
| ENGINEER/GEOLOGIST: M. Reilly |  | Depth      Date/Time                                 | DATE COMPLETED: 9/29/99 |
| DRILLING METHODS: Hand Auger  |  |  | PAGE 1 OF 1             |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY (IN) | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Reading REMARKS                    |
|------------|-------------------|----------------------|---------------|---|-------------|----------------------------|-------------------|---|
| 0.5'       | CMS-600           | 1                    | 6"            | Surface Vegetation<br>Gray to olive brown, silty PEAT with roots, not to be sampled.<br>Same as above, with layers of dark brown. | PT          | -                          | -                 | N/A (DID NOT WORKING)                         |
| 1          |                   |                      |               | End of Exploration at 0.5 foot, per microscope<br><br>* Standing water in borehole at 0.4 foot.                                   |             |                            |                   | Air monitoring (N/A)<br>Sample collected 1044 |
| 2          |                   |                      |               |   |             |                            |                   |   |
| 3          |                   |                      |               |   |             |                            |                   |   |
| 4          |                   |                      |               |   |             |                            |                   |   |

NOTES:

Drilling Contractor: IT      Reference: Field Book: C.R., RI

Drilling Equipment: Hand Auger (3")      Hand Auger Book 2

Driller: \_\_\_\_\_      pp 58+59



## VISUAL CLASSIFICATION OF SOILS

|                               |            |   |                         |
|-------------------------------|------------|---|-------------------------|
| PROJECT NUMBER: 782893        |            | PROJECT NAME: Centerville Manor, North Providence, RI |                         |
| BORING NUMBER: CMS-E01        |            | COORDINATES:  | DATE:                   |
| ELEVATION:                    | GWL: Depth | Date/Time   | DATE STARTED: 9/29/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth      | Date/Time   | DATE COMPLETED: 9/29/99 |
| DRILLING METHODS: Hand Auger  |            |   | PAGE 1 OF 1             |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY IN | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                      |
|------------|-------------------|----------------------|-------------|--|-------------|----------------------------|-------------------|--|
| 0.2'       |                   |                      |             | Surface: Vegetation  |             |                            |                   | (N/A) (PID not working)                          |
| 0.5'       | CMS-E01           | 1                    | 6"          | Light brown to dark brown PEAT, with silt and clay, trace gravel, saturated. | PT          | -                          | -                 | Air monitoring (N/A)<br>Sample collected at 1054 |
| 1'         |                   |                      |             | End of Exploration at 0.5 foot, per the Work Scope.                          |             |                            |                   |  |
| 2'         |                   |                      |             | * Standing Water in borehole at 0.4'   |             |                            |                   |  |
| 3'         |                   |                      |             |  |             |                            |                   |  |
| 4'         |                   |                      |             |  |             |                            |                   |  |

NOTES:

Drilling Contractor IT      Reference: Field Book: C.R., RI

Drilling Equipment Hand Auger (3")      Hand Auger Book 2

Driller: \_\_\_\_\_      PP 90+91

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-602        | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 9/29/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time | DATE COMPLETED: 9/29/99 |
| DRILLING METHODS: Hand Auger  | PAGE 1   |           | OF 1                    |

| DEPTH (FT) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY IN | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                   |
|------------|-------------------|----------------------|-------------|--|-------------|----------------------------|-------------------|---|
| 0.5        |                   |                      |             | Surface: Vegetation  |             |                            |                   | N/A (PID not working)                         |
| 0.5        | CMS-602           | 1                    | 6"          | Olive to dark brown, silty PEAT with clay, occasional roots, wet to saturated. | PT          | -                          | -                 | Air monitoring (N/A)<br>Sample collected 1033 |
| 1          |                   |                      |             | End of Exploration at 0.5 Feet, per back scope.                                |             |                            |                   |   |
| 2          |                   |                      |             |  |             |                            |                   |   |
| 3          |                   |                      |             |  |             |                            |                   |   |

NOTES:  
 Drilling Contractor IT  
 Drilling Equipment Hand Auger (3")  
 Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
 Hand Auger Book 2  
 pp 88 + 89



## VISUAL CLASSIFICATION OF SOILS

|                                      |   |           |                                |
|--------------------------------------|---|-----------|--------------------------------|
| PROJECT NUMBER: <u>782893</u>        | PROJECT NAME: <u>Centredale Manor, North Providence, RI</u> |           |                                |
| BORING NUMBER: <u>CMS-603</u>        | COORDINATES:  | DATE:     |                                |
| ELEVATION:                           | GWL: Depth  | Date/Time | DATE STARTED: <u>9/30/99</u>   |
| ENGINEER/GEOLOGIST: <u>M. Reilly</u> | Depth   | Date/Time | DATE COMPLETED: <u>9/30/99</u> |
| DRILLING METHODS: <u>Hand Auger</u>  | PAGE  |           | OF                             |

| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY IN | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings<br>REMARKS                                      |
|------------|-------------------|----------------------|-------------|---|-------------|----------------------------|-------------------|---|
|            |                   |                      |             | Surface: Vegetation.  |             |                            |                   | PID: 2 ppm  |
|            | CMS-603<br>A      | -                    | 6"          | Moderate brown, sandy SILT and ROOTS, moist.<br>Moderate to dark brown sandy SILT, moist. | SM/OL       |                            |                   | PID: 1.9 ppm (6" Hole)<br>0.6 ppm (sample)<br>Sample collected 0935 |
| 1          |                   |                      |             | End of Exploration at 0.5 foot, per the Work Scope.                                       |             |                            |                   |   |
| 2          |                   |                      |             | Groundwater table not encountered.  |             |                            |                   |   |

NOTES:

Drilling Contractor: IT      Reference: Field Book: C.R., RI

Drilling Equipment: Hand Auger (3")      Hand Auger Book 2

Driller: \_\_\_\_\_      PP 100 + 101



### VISUAL CLASSIFICATION OF SOILS

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CIMS-634       | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 10/1/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time | DATE COMPLETED: 10/1/99 |
| DRILLING METHODS: Hand Auger  | PAGE 1   |           | OF 1                    |



| DEPTH (FT) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY | DESCRIPTION  | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS   |
|------------|-------------------|----------------------|----------|--|-------------|----------------------------|-------------------|---|
|            |                   |                      | 100%     | Surface: Sand + Gravel   |             |                            |                   | pid: 3.3 ppm  |
|            | CIMS-634 A        | -                    | 6"       | Multicolored medium to coarse SAND and Fine to medium rounded GRAVEL. Brownish grey to greyish brown organic SILT and CLAY with occasional Sand and rootlets, saturated. | SP<br>OL/CH | -                          | -                 | pid: 3.1 ppm (B. Zone)<br>3.3 ppm (sample)<br>Sample collected 1100 |
| 1          |                   |                      |          | End of Exploration at 0.5 foot per the work scope.   |             |                            |                   |   |
| 2          |                   |                      |          | <p>★ Water level at 3.5 feet above grade.</p> <p>- Sample location in center of main stream channel.</p>   |             |                            |                   |   |

NOTES:

Drilling Contractor IT

Drilling Equipment Hand Auger (4")

Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI

Hand Auger Book 2

pp 106+107



**VISUAL CLASSIFICATION OF SOILS**

|                               |  |           |
|-------------------------------|--|-----------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |
| BORING NUMBER: CMS-605        | COORDINATES:   | DATE:     |
| ELEVATION:                    | GWL: Depth   | Date/Time |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time |
| DRILLING METHODS: Hand Auger  | PAGE 1 OF 1  |           |



| DEPTH (FT) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY IN | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS |
|------------|-------------------|--------------------------|-------------|---|-------------|----------------------------|-------------------|-----------------------------|
|            |                   |                          |             | Surface: Vegetation   |             |                            |                   | N/A (PID not working)       |
| 0.5'       | CMS-605 A         | -                        | 12"         | Light to moderate brown, silty, sandy PEAT with layers of light olive gray, silty medium SAND, wood debris (planks), <del>peat</del> moist. | PT          | -                          | -                 | Air monitoring: (N/A)       |
|            |                   |                          |             | Moderate brown, silty PEAT with fine sand moist. 0.6'   | OL          | -                          | -                 | Sample collected 1150       |
|            |                   |                          |             | Moderate to dark brown organic SILT, trace carbonized wood and roots, wet. 1.0'   | OL          | -                          | -                 |                             |
| 1.5'       | CMS-605 B         | -                        | 12"         | Olive brown organic SILT, trace very fine to fine sand, wet. 1.5'   | OL          | -                          | -                 | Sample collected 1205       |
|            |                   |                          |             | Olive brown to brownish gray, sandy SILT to silty SAND, wood fragments and roots, saturated. 2.0'   | OL/SM       | -                          | -                 |                             |
|            | CMS-605 C         | -                        | 12"         | Olive brown to brown, silty medium to coarse SAND, saturated. 2.0'  | SM          | -                          | -                 | Sample collected 1208       |
|            | CMS-605 D         | -                        | 12"         | Grayish brown to brownish gray SILT and fine to coarse SAND, with occasional gravel and layers of gray silt, saturated. 3.5'                | SM          | -                          | -                 | Sample collected 1212       |
|            |                   |                          |             | Same as above, with layers of light brown, fine to coarse SAND, saturated.  | SM          | -                          | -                 |                             |
|            | CMS-605 E         | -                        | 8"          | Same as above except fine to coarse GRAVEL at 56"   | SM/SM       | -                          | -                 | Sample collected 1220       |
| 5'         |                   |                          |             | End of Exploration at 4.5 feet due to Refusal on Gravel.  |             |                            |                   |                             |

NOTES:  
 Drilling Contractor IT  
 Drilling Equipment Hand Auger (4.5")  
 Driller: \_\_\_\_\_

Reference: Field Book: C.R., RI  
 Hand Auger Book 2  
 pp 90 through 93

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |           |                         |
|-------------------------------|--|-----------|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |           |                         |
| BORING NUMBER: CMS-606        | COORDINATES:   | DATE:     |                         |
| ELEVATION:                    | GWL: Depth   | Date/Time | DATE STARTED: 9/29/99   |
| ENGINEER/GEOLOGIST: M. Reilly | Depth  | Date/Time | DATE COMPLETED: 9/29/99 |
| DRILLING METHODS: Hand Auger  | PAGE   |           | 1 OF 1                  |



| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER ( ) | RECOVERY (%) | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS    |
|------------|-------------------|--------------------------|--------------|---|-------------|----------------------------|-------------------|--------------------------------|
| 0.3        |                   |                          | 100          | Surface: Vegetation   |             |                            |                   | Rad: N/A<br>PID: 0.4 ppm       |
| 0.5        | CMS-606 A         | 1                        | 85           | Moderate brown to dark brown, silty PEAT, with wood fragments and plastic sheeting fragments, moist to wet. | PT          | -                          | -                 | FID: 0.0 ppm<br>Sample at 1004 |
| 1.0        |                   |                          |              | End of Exploration at 0.5 foot, per Workscope.  |             |                            |                   |                                |

NOTES:

Drilling Contractor: IT      Reference: Field Book: C.R., RI

Drilling Equipment: Hand Auger (4")      Hand Auger Book 2

Driller: \_\_\_\_\_      pp 88 & 89

**VISUAL CLASSIFICATION OF SOILS**

|                               |  |                         |
|-------------------------------|--|-------------------------|
| PROJECT NUMBER: 782893        | PROJECT NAME: Centredale Manor, North Providence, RI |                         |
| BORING NUMBER: CMS-607        | COORDINATES:   | DATE:                   |
| ELEVATION:                    | GWL: Depth      Date/Time                            | DATE STARTED: 9/29/99   |
| ENGINEER/GEOLOGIST: M. Zeilly | Depth      Date/Time                                 | DATE COMPLETED: 9/29/99 |
| DRILLING METHODS: Hand Auger  | PAGE 1 OF 1  |                         |



| DEPTH (ft) | SAMPLE TYPE & NO. | BLOWS ON SAMPLER PER | RECOVERY | DESCRIPTION   | USCS SYMBOL | MEASURED CONSISTENCY (TSF) | WELL CONSTRUCTION | Background Readings REMARKS                   |
|------------|-------------------|----------------------|----------|---|-------------|----------------------------|-------------------|---|
| 0          |                   |                      | 100%     | Surface: Vegetation   |             |                            |                   | N/A (PID not working)                         |
| 0.5        | CMS-607 A         | -                    | 6"       | Indicate to olive brown, silty PEAT w/occasional Lt. gray-white silt/clay (junk) and stringy mat. gels<br>Olive brown, silty PEAT with layers of dark gray to black, saturated. | PT          | -                          | -                 | Air monitoring (N/A)<br>Sample collected 1025 |
| 1          |                   |                      |          | End of Exploration at 0.5 foot, per Workscope   |             |                            |                   |   |
| 2          |                   |                      |          |   |             |                            |                   |   |
| 3          |                   |                      |          |   |             |                            |                   |   |

NOTES:

Drilling Contractor IT      Reference: Field Book: C.R., RI

Drilling Equipment Hand Auger (3")      Hand Auger Book 2

Driller: \_\_\_\_\_      PE 88+89