

APPENDIX A

Due to electronic file size, this document cannot be viewed on-line.

The complete records are stored in the Central Files of the Southwest Region Office of Ecology for review by appointment only. You can request to view these documents by filing a [records request](#).¹ For help making a request, contact the [Public Records Officer](#)² at or call 360-407-6040.

¹ <https://ecology.wa.gov/About-us/Accountability-transparency/Public-records-requests>

² publicrecordsofficer@ecy.wa.gov

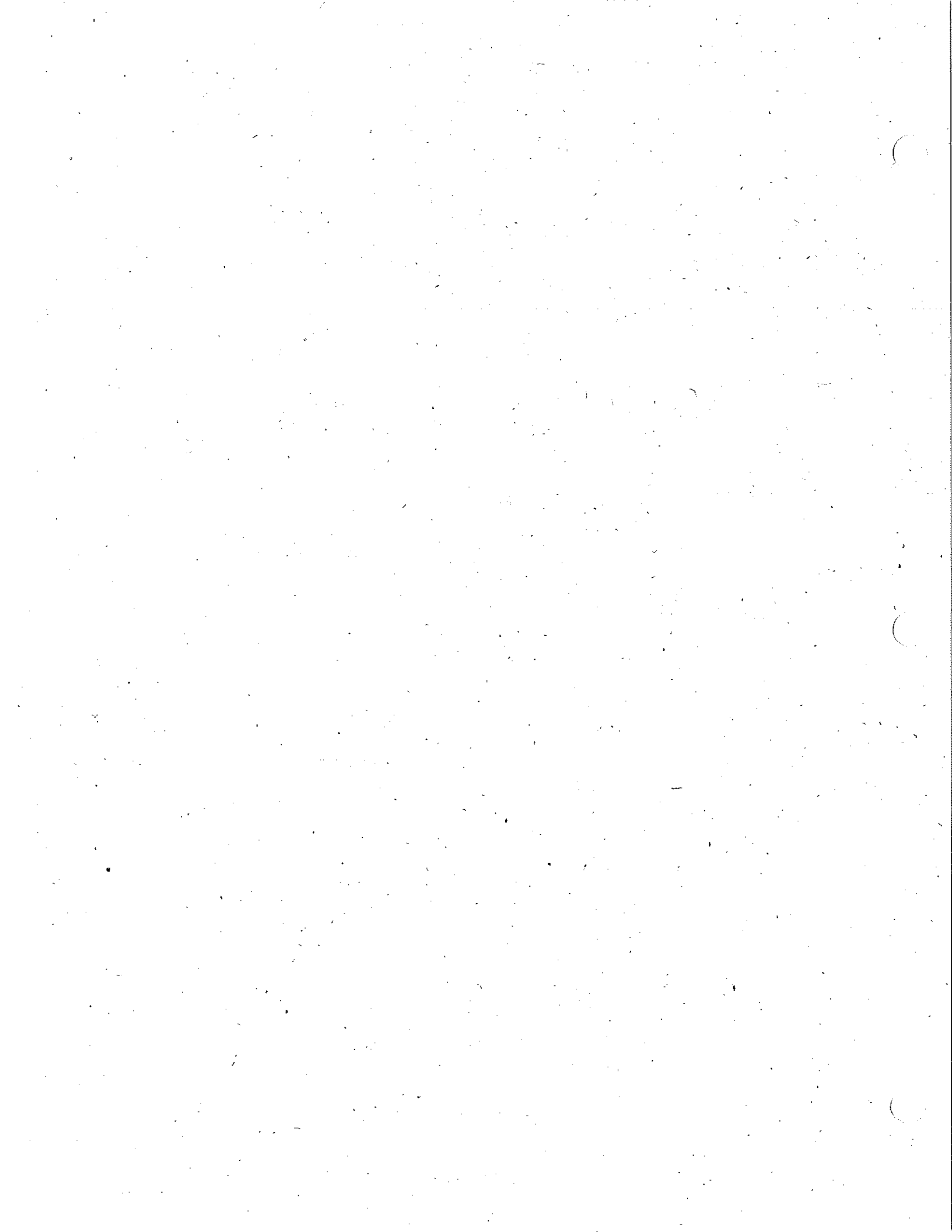
APPENDIX B

Boring Logs

ASSVE

APPENDIX C

Well Construction Logs



| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Silty sandy crushed and rounded rock FILL. | | | | | | |
| 0 to 10.5 | ML | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand; moist. | | | | | | |
| 10.5 to 30 | | | Total depth = 10.5 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:**

LOGGED BY: S. Bourcy **DRILLING DATES:** 7/18/2003 - 7/18/2003

REMARKS:
Lithology logged by drilling character and cuttings return. No discrete soil samples collected.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MP-4

PAGE 1 OF 1

Elevation Reference:

Well Completed: 8/21/00

Boring Method: Hollow Stem Auger

Relative Ground Surface Elevation:

Relative Casing Elevation:

Borehole Diameter: 4.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL. Dense, damp, brown, micaceous SILT (on auger flights). | | | | | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | TD = 14.5 feet. Deeper hole due to wood plug. | | | | | | | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

LEGEND

PROJECT NUMBER: 0-61M-10135-2 T2A

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference:

Well Completed: 8/21/00

Boring Method: Hollow Stem Auger

Relative Ground Surface Elevation:

Relative Casing Elevation:

Borehole Diameter: 4.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL (up to 5.0-inch diameter). | | | | | | | |
| 5 | Dense, damp, brown, micaceous SILT (on auger flights). | | | | | | | |
| 6.0 | TD = 6.0 feet. | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

LEGEND

PROJECT NUMBER: 0-61M-10135-2 T2A

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 8/21/00 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|----------------------------------|-------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 4.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 3.0-inch layer of grass and roots. Dense, damp, brown, micaceous SILT (on auger flights). | | | | | | |
| 5 | | | | | | | |
| 10 | | | | | | | |
| 15 | TD = 14.5 feet. | | | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

PROJECT NUMBER: 0-61M-10135-2 T2A

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 3/8/02 | | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | Approximately 2.0-inch layer of asphalt. | | | | | | | | |
| 5 | SILT, ML, dry, orange-brown. | | | | 5.6 | | | | |
| 15 | SILTY SAND, SP, dry, greenish brown, very fine-grained. | | | | 5.8 | | | | |
| Total depth = 15.5 feet. | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

LEGEND

2.0-inch OD split-spoon sample with % recovered

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

V10135VE4.DRW

Elevation Reference: Well Completed: 3/6/02 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.25" O.D.

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 0 | Approximately 4.0-inch layer of asphalt over approximately 2.0-inch layer of gravel FILL. | | | | | | | |
| 5 | SANDY SILT. | | | | | | | |
| 10 | SANDY SILT. | | | | | | | |
| 15 | SANDY SILT. | | | | | | | |
| 20 | SAND, fine- to medium-grained, silt. SILTY SAND. | | | | | | | |
| 25 | NOTE: Boring drilled at 45 degree angle. | | | | | | | |
| 30 | Total depth = 22.0 feet. | | | | | | | |

LEGEND

PROJECT NUMBER: 2-61M-10135-H

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 3/6/02 | | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | Approximately 4.0-inch layer of asphalt. | | | | | | | | |
| 5 | SANDY SILT, ML, dry, green-brown. | | | | | | | | |
| 10 | SANDY SILT, ML. | | | | | | | | |
| 15 | SANDY SILT, ML. | | | | | | | | |
| 20 | SILTY SAND. | | | | | | | | |
| | Total depth = 22.0 feet. | | | | | | | | |
| 25 | NOTE: Boring drilled at 45 degree angle. | | | | | | | | |
| 30 | | | | | | | | | |

LEGEND

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 3/6/02 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.25" O.D.

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| 0 | Approximately 4.0-inch layer of asphalt. | | | | | | | |
| 5 | SILT, ML, dry, orange-brown, slightly micaceous. | | | | | | | |
| 10 | SAND, SP, dry, green-brown, very fine-grained, slightly micaceous, slightly clayey. | | | | | | | |
| 15 | SAND, SP, dry, green-brown, fine- to medium-grained. | | | | | | | |
| 20 | | | | | | | | |
| 23.0 | Total depth = 23.0 feet. | | | | | | | |
| 25 | NOTE: Boring drilled at 45 degree angle. Sampling with split-spoon very difficult in angle boring, hammer sliding, not pulling (no blow counts). Further descriptions based on cuttings. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

2.0-inch OD split-spoon sample with % recovered

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 3/8/02 | | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | Approximately 2.0-inch layer of asphalt. | | | | | | | | |
| 5 | SILT, ML, dry, orange-brown. | | | | | | | | |
| 15 | SAND, SP, dry, greenish brown, fine- to medium-grained. | | | | | | | | |
| 25 | Total depth = 25.0 feet. | | | | | | | | |
| 30 | | | | | | | | | |

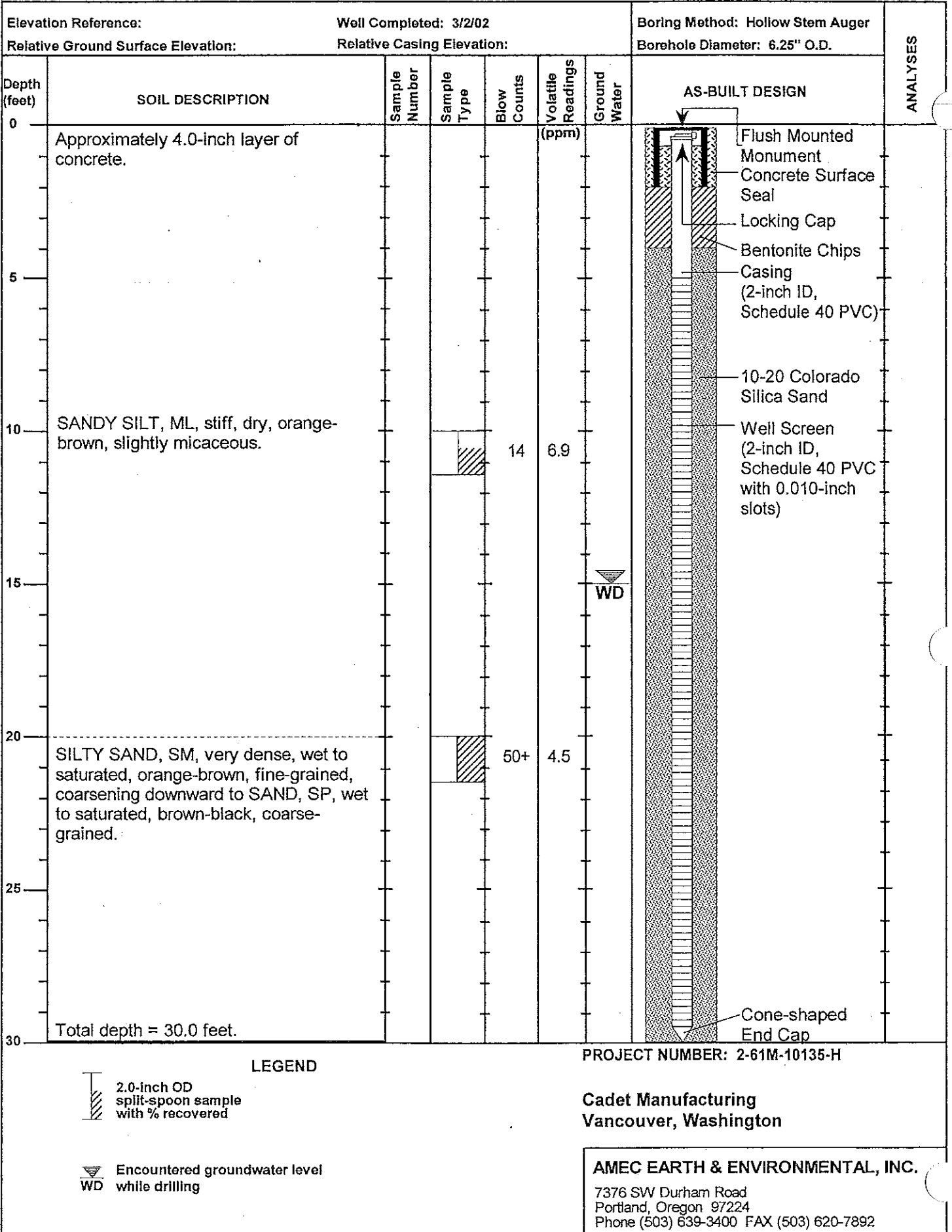
2.0-Inch OD split-spoon sample with % recovered

LEGEND

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892



LEGEND

2.0-inch OD split-spoon sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 3/2/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|----------------------------------|-----------------|----------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.25" O.D. | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | Approximately 4.0-inch layer of concrete. | | | | | | | | |
| 0-5 | Black soil and faint odor at approximately 2.5 feet. | VE-10s | | | 14 | | | | |
| 5 | SANDY SILT, ML, stiff, dry, orange-brown. | | | 12 | 7.2 | | | | |
| 15 | SAND, SW, medium dense, moist, mottled black and orange-brown, medium-grained, rounded, grading to SAND, SM, moist, orange-brown, fine-grained (last inch). | | | | 9.8 | WD | | | |
| 25 | SAND, SP, very dense, saturated, mottled black and orange-brown, coarse-grained, grading into GRAVELLY SAND, SP, very dense, saturated, mottled black and orange, subrounded to rounded, clasts up to 0.5-inch diameter (bottom 2.0 inches). | | | 50+ | 0.0 | | | | |
| 30 | Total depth = 29.5 feet. | | | | | | | | |

LEGEND

2.0-inch OD split-spoon sample with % recovered

Encountered groundwater level
WD while drilling

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 3/1/02 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|----------------------------------|--------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 6.25" O.D. | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 4.0-inch layer of concrete. | | | | | | |
| 5 | | | | | | | |
| 10 | SANDY SILT, ML, very stiff, dry, orange-brown, slightly micaceous. | | | 16 | 1.3 | | |
| 15 | | | | | | WD | |
| 20 | SAND, SM, medium dense, wet, dark brown, fine- to very fine-grained. | | | 26 | 13 | | |
| 25 | | | | | | | |
| 30 | Total depth = 29.5 feet. | | | | | | |

LEGEND

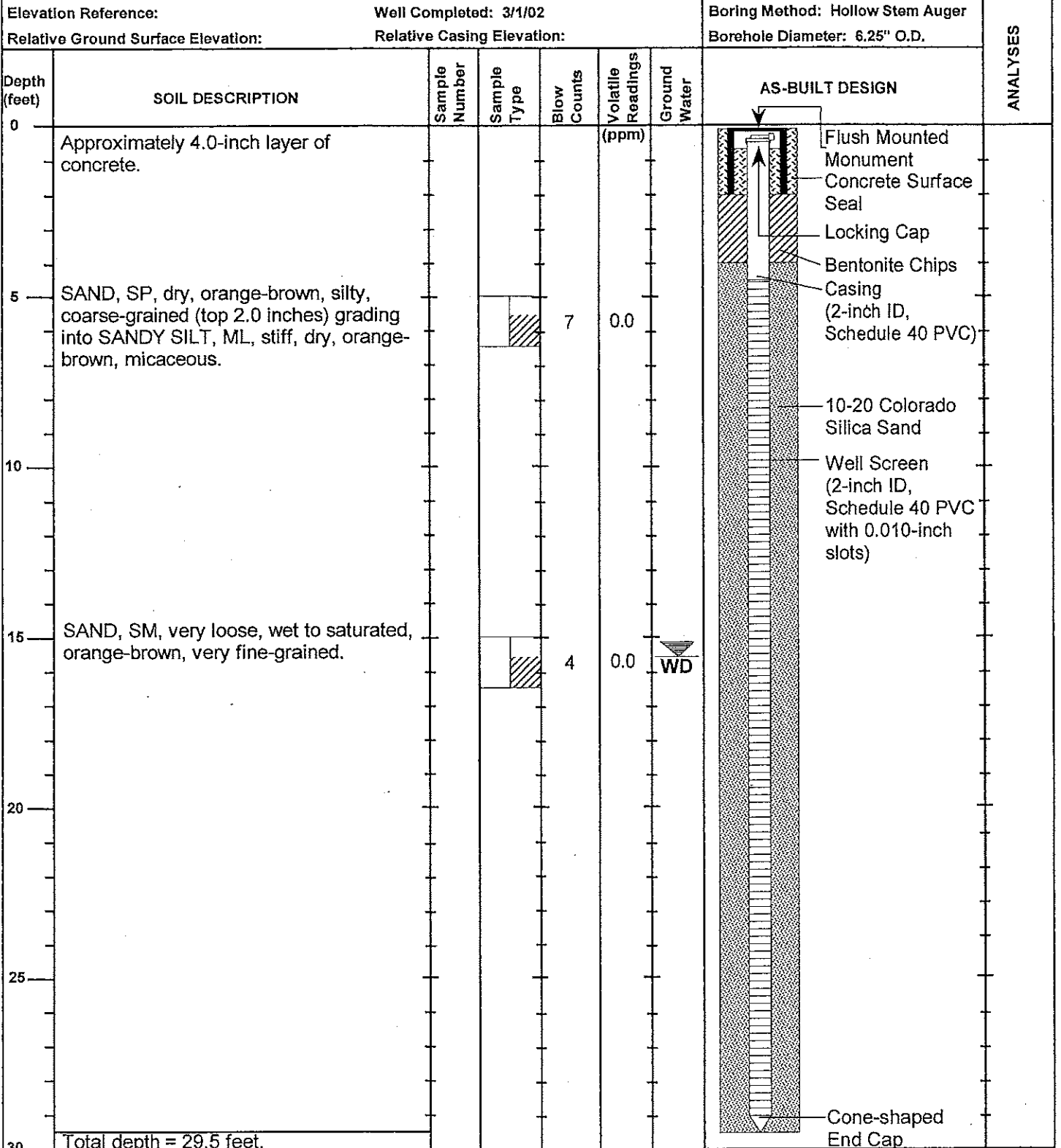
2.0-inch OD split-spoon sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892



LEGEND

2.0-inch OD split-spoon sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 2-61M-10135-H

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | GRAVEL (< 1.0 foot). | | | | | | Concrete |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 4.0-inch I.D.) |
| 15 | | | Cuttings are wet. | | | | | | Bentonite Chips (3/4-inch) |
| 20 | | | Very GRAVELLY. | | | | | | 8-12 Colorado Silica Sand |
| 25 | | | | | | | | | Well Screen (Schedule 40 PVC, 4.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) |
| 30 | | | Total depth = 27.0 feet below ground surface. | | | | | | Flat End Cap |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND.JUNE03.GDT 12/5/03

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT844 DRILLING DATES: 6/18/2003 - 6/18/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING VE-13 PAGE 1 OF 1 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Concrete |
| | | | | | | | | | Casing (Schedule 40 PVC, 4.0-inch I.D.) |
| | | | | | | | | | Bentonite Chips (3/4-inch) |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| 10 | | | | | 9 | | | | Well Screen (Schedule 40 PVC, 4.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) |
| | | | Asphalt stuck in sampler shoe. | | 20 | | | | |
| 15 | | | Medium dense, dark brown, fine, micaceous SILTY SAND; wet. | | 18 | | | | |
| 20 | | | Medium dense, brown and black, coarse, subangular to subrounded SANDY GRAVEL with little fines; wet. | | 18 | | | | |
| 25 | | | | | | | | | |
| 30 | | | Total depth = 27.0 feet below ground surface. | | | | | | Flat End Cap |

ENVR-WELL BORING REV2 3-91M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT828

LOGGED BY: B. Lary **DRILLING DATES:** 6/18/2003 - 6/18/2003

REMARKS:

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
VE-14

| DEPTH (ft bgis) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (2.0-inch layer) underlain by brown, subrounded SILTY GRAVEL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | Sand content increases to some. | | | | | | |
| 10 | | | Becomes sandy. | | | | | | |
| 15 | | | Brown, fine to medium SILTY SAND; moist. Becomes wet. | | | | | | |
| 20 | | | Total depth = 21.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: Mobile B59 **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT829
LOGGED BY: K. Schleh **DRILLING DATES:** 6/19/2003 - 6/19/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
VE-15

 PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Vegetation. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Concrete |
| | | | | | | | | | Casing (Schedule 40 PVC, 4.0-inch I.D.) |
| | | | | | | | | | Bentonite Chips (3/4-inch) |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| 10 | | | Medium stiff, brown SANDY SILT to SILTY SAND; dry. | | 7 | | | | Well Screen (Schedule 40 PVC, 4.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) |
| 15 | | | Wet. Medium dense, dark brown to black, fine, micaceous SILTY SAND; wet. | | 12 | | | | |
| 20 | | | Medium dense, dark brown to black, coarse, subrounded to subangular SANDY GRAVEL with little to trace fines; wet. Very GRAVELLY during drilling. | | 17 | | | | |
| 25 | | | | | | | | | |
| | | | Total depth = 26.0 feet below ground surface. | | | | | | Flat End Cap |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/9/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT830

LOGGED BY: B. Lary **DRILLING DATES:** 6/18/2003 - 6/18/2003

REMARKS:

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
VE-16
PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | |
| 0-5 | | | Hit old roof drain (3.0-inch green PVC). | | | | | | |
| 0-22 | | | GRAVEL. | | | | | | |
| 22 | | | Total depth = 22.0 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 3-81M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 12.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT831
DRILLING DATES: 7/2/2003 - 7/2/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-81M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
 VE-17
 PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Vegetation. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | Brown SANDY SILT (ML); dry. | | | | | | Concrete |
| 10 | | | Loose, brown, fine, micaceous SILTY SAND (SM); moist. | | 7 | | | | Casing (Schedule 40 PVC, 4.0-inch I.D.) |
| 15 | | | Wet cuttings. | | 8 | | | | Bentonite Chips (3/4-inch) |
| 20 | | | GRAVEL encountered during drilling. Medium dense, brown to black, medium, subrounded to subangular, well-graded SANDY GRAVEL (GW) with little to trace fines; wet. | | 13 | | | | 8-12 Colorado Silica Sand |
| 25 | | | Total depth = 26.0 feet below ground surface. | | | | | | Well Screen (Schedule 40 PVC, 4.0-inch I.D. with 0.020-inch slots) |
| 30 | | | | | | | | | Flat End Cap |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 12.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: Mobile B59 | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT832 |
| LOGGED BY: B. Lary | DRILLING DATES: 6/18/2003 - 6/18/2003 |

REMARKS:

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
VE-18

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | Sand increases to some. | | | | | | |
| 10 | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 15 | | | Silt decreases to some. Silt decreases to trace; becomes wet. | | | | | | |
| 20 | | | Total depth = 21.4 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 12.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: Mobile B59 | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT833 | |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/19/2003 - 6/19/2003 | |

| | | | |
|---|---|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING VE-19</p> <p>PAGE 1 OF 1</p> |
|---|---|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Root zone (2.0-inch layer). Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Medium stiff, brown SILT (ML), trace fine sand; moist. | | 7 | | | | |
| 15 | | | Medium dense, brown, fine to medium SAND (SP), trace silt; moist. | | 7 | | | | |
| 20 | | | Sand grades to dense and clean; becomes wet. | | | | ▽ | | |
| 20 | | | Dense, brown, fine to medium, clean SAND (SP); wet. | | 15 | | | | |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 27.5 | | | Total depth = 27.5 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2, 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 12.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: Mobile B59 | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT834 |
| LOGGED BY: K. Schlieh | DRILLING DATES: 6/20/2003 - 6/20/2003 |

REMARKS:

| | | |
|--|---|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | <p>LOG OF BORING VE-20</p> <p>PAGE 1 OF 1</p> |
|--|---|---|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 15 | | | Silt decreases to trace. Becomes wet. | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | Total depth = 21.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND, JUNE03.SDT, 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 12.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT835
DRILLING DATES: 6/19/2003 - 6/19/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
VE-21

 PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|--|-------------|------------------------------------|----------------|
| 0 | | | Brown, subrounded, fine to medium SILTY GRAVEL FILL (base course); moist. | | | | | | |
| | | | Brown SILT, some fine sand; moist. | | | | | | |
| 5 | | | Becomes sandy. | | | | | | |
| 10 | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 15 | | | Silt decreases to some; becomes wet. | | | | | | |
| 20 | | | GRAVEL. No soil cuttings return. | | | | | | |
| | | | Total depth = 21.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT836 DRILLING DATES: 6/19/2003 - 6/19/2003 | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 VE-22

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Gray-brown, subrounded to subangular SILTY GRAVEL FILL; damp. Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | Becomes sandy. | | | | | | |
| 10 | | | Brown, fine to medium SILTY SAND; moist. Silt content becomes trace. | | | | | | |
| 15 | | | Becomes wet. | | | | | | |
| 20 | | | GRAVEL. No cuttings return. | | | | | | |
| 21.0 | | | Total depth = 21.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 12.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT837
DRILLING DATES: 6/19/2003 - 6/19/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 VE-23

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (2.0-inch layer) underlain by brown, fine to medium, subrounded to subangular SILTY GRAVEL FILL (base course); moist. | | | | | | |
| 0 to 5 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 to 12 | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 12 to 21 | | | Becomes wet. Silt content decreases to trace. | | | | | | |
| 21 | | | Top of GRAVEL at 21.0 feet below ground surface. | | | | | | |
| 21 | | | Total depth = 21.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT838 DRILLING DATES: 6/20/2003 - 6/20/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING VE-24 PAGE 1 OF 1 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT'N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (3.0-inch layer) underlain by gray, medium, angular GRAVEL FILL (base course); damp. Brown, fine to medium SAND FILL, trace silt; moist. | | | | | | |
| 5 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 10 | | | Brown, fine SAND lense, some silt; moist at 10.0-12.0 feet below ground surface. | | | | | | |
| 15 | | | Brown, fine to medium SAND, some silt; moist. | | | | | | |
| 20 | | | Becomes wet. | | | | | | |
| 22.0 | | | Total depth = 22.0 feet below ground surface. | | | | | | |

ENVIR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/9/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT839

LOGGED BY: K. Schleh **DRILLING DATES:** 6/23/2003 - 6/23/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORIN
VE-25

PAGE 1 OF 1


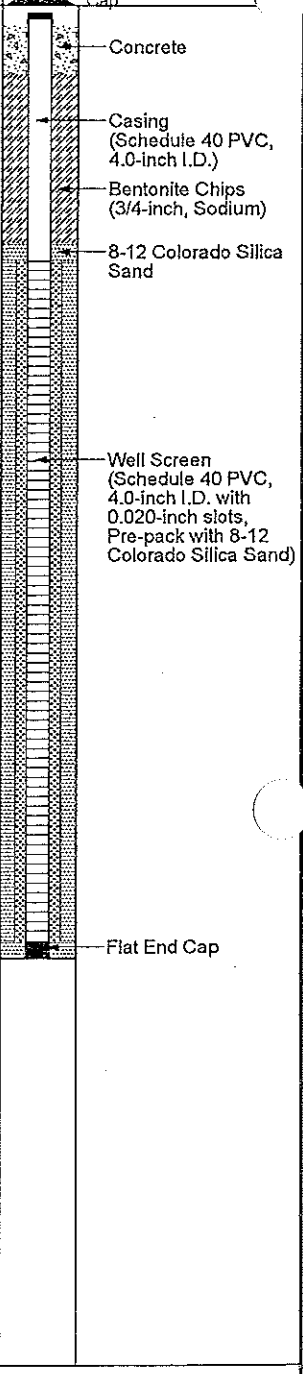
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Concrete pavement (4.0-inch layer) underlain by brown, fine to medium, subrounded to subangular SILTY GRAVEL FILL (base course); moist. Black, fine to medium, subrounded to rounded SANDY GRAVEL; moist. Heavy petroleum-like odors. | | | | | | |
| 0-5 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5-10 | | | Sand content increases to some. | | | | | | |
| 10-15 | | | Brown, fine SILTY SAND; moist. | | | | | | |
| 15-20 | | | Becomes, fine to medium; wet. Silt content decreases to some. | | | | | | |
| 20-21.0 | | | Total depth = 21.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND.JUNE03.GDT 12/5/03

| | | |
|--|---|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT840 DRILLING DATES: 6/23/2003 - 6/23/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|---|--|

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING VE-26 PAGE 1 OF 1 |
|---|--|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| C DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|------------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Concrete pavement (4.0-inch layer) underlain by brown, fine to medium, subrounded to subangular SILTY GRAVEL FILL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | Brown, fine SILTY SAND; moist. | | | | | | |
| 15 | | | Silt content decreases to trace. | | | | | | |
| 20 | | | Becomes wet. | | | | | | |
| 20 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 21.0 | | | Total depth = 21.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|-----------------------------------|---------------------------------------|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 12.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: Mobile B59 | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT841 | |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/24/2003 - 6/24/2003 | |

| | | |
|--|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING VE-27</p> <p>PAGE 1 OF 1</p> |
|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | Brown, fine SILTY SAND; moist. | | | | | | |
| 10 | | | Silt content decreases to trace. | | | | | | |
| 15 | | | Sand becomes fine to medium. Becomes wet. | | | | ∇ | | |
| 20 | | | Total depth = 21.0 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: Mobile B59 **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT842
LOGGED BY: K. Schleh **DRILLING DATES:** 6/24/2003 - 6/24/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
VE-28

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete pavement (6.0-inch layer). Brown, fine SILTY SAND FILL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Steel Monument with Locking Cap |
| 5 | | | Brown, fine SILTY SAND; moist. Becomes fine to medium. | | | | | | Concrete |
| 10 | | | Silt content decreases to trace. | | | | | | Casing (Schedule 40 PVC, 4.0-inch I.D.) |
| 15 | | | Becomes wet. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 25 | | | | | | | | | Well Screen (Schedule 40 PVC, 4.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) |
| 30 | | | Total depth = 21.0 feet below ground surface. | | | | | | Flat End Cap |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT843

LOGGED BY: K. Schleh **DRILLING DATES:** 6/24/2003 - 6/24/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892




LOG OF BORING
VE-29
PAGE 1 OF 1

ENVR+WELL BORING REV2 10/135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| C DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|------------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer). Brown, fine to medium, subrounded SILTY GRAVEL FILL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | Sand content increases to some. | | | | | | Pea Gravel |
| 10 | | | Brown SANDY SILT; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Brown, medium SILTY SAND; wet. | | | | | | Bentonite Chips (3/4-inch) |
| 20 | | | GRAVEL. No soil cuttings return. | | | | | | Bentonite Grout (55 gallons) |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|-----------------------------------|---------------------------------------|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT801 | |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/10/2003 - 6/10/2003 | |

| | | | |
|--|--|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-1</p> <p>PAGE 1 OF 2</p> |
|--|--|--|--|

ENVR+WELL BORING REV2 10135D.GPJ_AMEC PORTLAND, JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT801
LOGGED BY: K. Schleh **DRILLING DATES:** 6/10/2003 - 6/10/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | |
|---|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | LOG OF BORING AS-1 PAGE 2 OF 2 |
|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer). Dense, brown, subrounded GRAVEL FILL (0.25-inch to 0.75-inch diameter base course); moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Cement |
| 10 | | | Becomes very moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Grades to dark brown SILT, some fine sand. | | | | | | High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = 10.0 lbs/gal, 150 gallons) |
| 20 | | | Dark brown SILT, some fine sand; moist. | | | | | | |
| 25 | | | Dark brown, fine to medium SILTY SAND; wet. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS277
LOGGED BY: K. Schleh, S. Bourcy **DRILLING DATES:** 6/6/2003 - 6/11/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENV/R+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 10/23/03

| | | | |
|---|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-2 PAGE 1 OF 2 |
|---|--|--|--|

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = 10.0 lbs/gal, 150 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (50 lbs)</p> <p>Rubber Shale Trap</p> <p>Natural Formation Collapsed Around Pre-Pack</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | GRAVEL | | | | | | |
| 50 | | | Total depth = 50.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS277

LOGGED BY: K. Schleh, S. Bourcy **DRILLING DATES:** 6/6/2003 - 6/11/2003


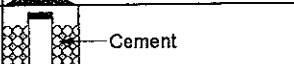



REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 AS-2**

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt (2.0-inch layer) underlain by GRAVEL FILL (base course). | | | | | |  |
| 0 - 20 |  | ML | Soft, reddish brown SILT with very fine sand. | | | | | | |
| 20 - 25 |  | SM-SP | Grades to SILTY SAND/SAND at approximately 20.0 feet below ground surface. | | | | | | |
| 25 - 30 |  | GP-SP | Very dense, gray-brown, medium to coarse, poorly graded SANDY GRAVEL/GRAVELLY SAND with occasional cobbles; saturated. | | | | | | |

ENV/R+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/29/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 11.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT802

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/13/2003 - 6/13/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-3

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | GP, SP | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch, 950 lbs)</p> <p>8-12 Colorado Silica Sand (250 lbs)</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 40.5 feet below ground surface.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/29/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 11.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT802

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/13/2003 - 6/13/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-3

PAGE 2 OF 2

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|-------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Wet. GRAVELLY. | | | | | | |
| 25 | | | GRAVEL. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT803
DRILLING DATES: 6/16/2003 - 6/16/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-4

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (80 gallons)</p> <p>Bentonite Chips (3/4-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Less GRAVEL (smooth drilling). | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | GRAVELLY. | | | | | | |

Less GRAVEL (smooth drilling).

GRAVELLY.

Total depth = 60.0 feet below ground surface.

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

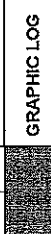
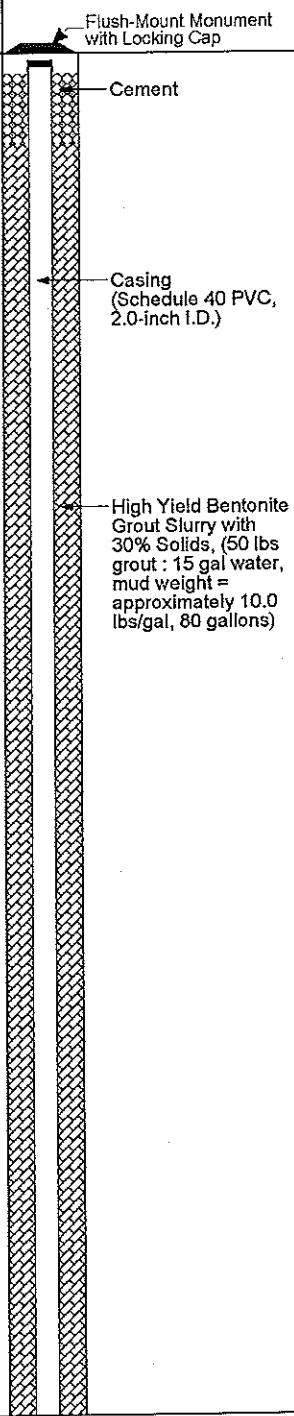

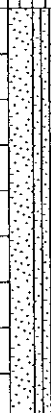

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT803

LOGGED BY: B. Lary **DRILLING DATES:** 6/16/2003 - 6/16/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR-WELL BORING REV2 10/35D.GPJ AMEC PORTLAND, JUNE03.GDT 10/23/03

| | | | |
|---|--|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORIN AS-4</p> <p>PAGE 2 OF 2</p> |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt (2.0-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | |  |
| 0 - 19.0 |  | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand; moist. | | | | | | |
| 19.0 - 29.0 |  | SM-SP | SAND/SILTY SAND; moist. Approximately 50-60% red-brown return circulation at 0.0-29.0 feet below ground surface. | | | | | | |
| 29.0 - 30.0 |  | GW-SW | Very dense, gray-brown, medium to coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; saturated. No circulation return below 29.0 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 6.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS278
LOGGED BY: S. Bourcy **DRILLING DATES:** 6/23/2003 - 6/23/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing


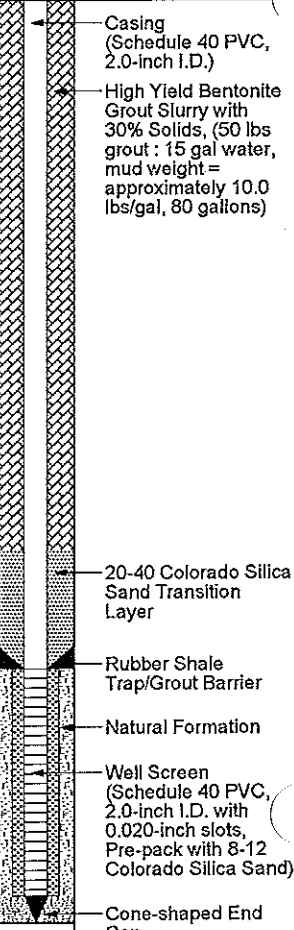
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORING
AS-5


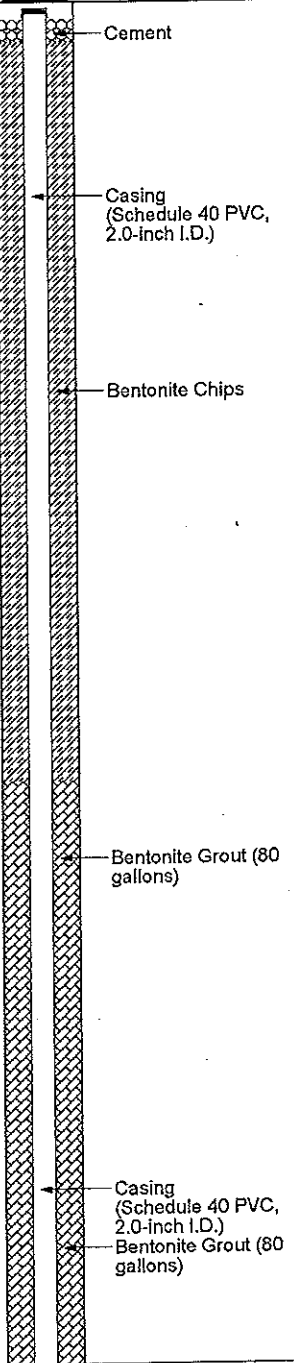
 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|--|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 |  | GW-SW | Occasional cobbles below 36.0 feet below ground surface. Slow, hard drilling. | | | | | |  <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout Slurry with 30% Solids, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 80 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.3 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR-WELL BORING REV2-10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| | | |
|--|--|---|
| BORING METHOD: 4-Inch Casing Advancer BOREHOLE DIAMETER: 6.0 (In) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63796/AHS278 DRILLING DATES: 6/23/2003 - 6/23/2003 | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-5 PAGE 2 OF 2 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|--------|---------------------------|---------------------------|---|------------------------------------|--|
| 0 5 10 15 20 25 30 35 | | | Asphalt. Brown SANDY SILT; dry to moist. GRAVEL. | | | |  | |  |

ENVR-WELL BORING REV2_10135D.GPJ AMEC PORTLAND JUNE03.GDT_10/23/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT804 |
| LOGGED BY: B. Lary | DRILLING DATES: 6/16/2003 - 6/16/2003 |

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 AS-6**
 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 35 | | | GRAVEL. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| | | | Total depth = 61.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/29/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT804
DRILLING DATES: 6/16/2003 - 6/16/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4


AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 AS-6

| C DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|--|---------------------------|---------------------------|-------------|---|---|
| 0 | | | Asphalt (2.0-inch layer). Brown, subrounded, fine to medium SILTY GRAVEL FILL (base course); moist. Construction debris (red brick) at 3.0 feet below ground surface. | | | | | | Flush-Mount Steel Monument with Locking Cap |
| 5 | | | Brown SILT, trace fine sand; moist. | | | | | | Pea Gravel (3/8-inch) |
| 10 | | | Becomes sandy. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | | | | | | | Bentonite Chips (3/8-inch) |
| 20 | | | Brown, fine to medium SILTY SAND; wet. | | | | ▽ | | |
| 25 | | | Subrounded GRAVEL (0.5-inch to 4.0-inch) to flat, subrounded COBBLES (4.0-inch to 6.0-inch). No soil cuttings return. | | | | | | |
| 30 | | | | | | | | | Sodium Bentonite Grout (70 gallons) |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT805 DRILLING DATES: 6/13/2003 - 6/13/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| | | | |
|---|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-7 PAGE 1 OF 2 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READINGS (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|--|-------------|-------------|--|--|------------------------|-------------------------|---|------------------------------|----------------|--|
| 30 35 40 45 50 55 60 | | | <p>Total depth = 60.0 feet below ground surface.</p> | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT805 DRILLING DATES: 6/13/2003 - 6/13/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | | |

ENVR-WELL BORING REV2: 10/31/03.D.G.F.J. AMEC PORTLAND JUNE03.GDT 10/23/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-7

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer). Brown, subrounded SILTY GRAVEL FILL (base course); moist. | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Brown SILT/SAND. No cutting return. | | | | | | Cement |
| 5 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10 | | | | | | | | | Baroid Quick Grout, (50 lbs grout : 15 gal water, 92 gallons) |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | GRAVEL. No soil cuttings return. | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 11/8/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS279
LOGGED BY: K. Schleh **DRILLING DATES:** 6/11/2003 - 6/11/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 AS-8**

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNED03.GDT 11/9/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS279
LOGGED BY: K. Schleh **DRILLING DATES:** 6/11/2003 - 6/11/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel. +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-8

 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | |
| 5 | | | Brown CLAYEY SILT; dry. | | | | | | |
| 10 | | | Moist by 9.0-10.0 feet below ground surface. | | | | | | |
| 15 | | | Becoming sandy; wet. | | | | ▽ | | |
| 20 | | | | | | | | | |
| 25 | | | GRAVEL. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT806

LOGGED BY: D. Hetherington **DRILLING DATES:** 6/12/2003 - 6/12/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
AS-9**

PAGE 1 OF 2

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 41.5 feet below ground surface.

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: D. Hetherington | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT806 DRILLING DATES: 6/12/2003 - 6/12/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|---|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-9 PAGE 2 OF 2 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer). Brown, subrounded SILTY GRAVEL FILL (base course); moist. | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Brown SILT, trace fine sand; moist. | | | | | | Pea Gravel (3/8-inch) |
| 5 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10 | | | | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 15 | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 20 | | | Becomes wet. | | | | ▽ | | |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger

BOREHOLE DIAMETER: 10.0 (in)

DRILL RIG:

CONTRACTOR: Geo-Tech Explorations

LOGGED BY: K. Schleh

ELEVATION REFERENCE:

GROUND SURFACE ELEVATION:

CASING ELEVATION:

START CARD/TAG ID: R63797/AHT807

DRILLING DATES: 6/10/2003 - 6/11/2003

REMARKS:

No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-10

PAGE 1 OF 2

ENVR-WELL BORING REV2 10/135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT807
DRILLING DATES: 6/10/2003 - 6/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-10
 PAGE 2 OF 2


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (1.5-inch layer) underlain by crushed rock FILL (base course). | | | | | | <ul style="list-style-type: none"> Flush-Mount Monument with Locking Cap Cement Casing (Schedule 40 PVC, 2.0-inch I.D.) High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 87 gallons) High Yield Bentonite Grout Slurry, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 77 gallons) |
| 5 | | | Soft, brown to reddish brown SILT (ML) with some very fine sand. Approximately 30% reddish brown return circulation from 3.0-25.0 feet below ground surface. | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: 4-Inch Casing Advancer
BOREHOLE DIAMETER: 5.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63796/AHS280
DRILLING DATES: 6/12/2003 - 6/12/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENV/R+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| | | |
|--|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING AS-11</p> <p>PAGE 1 OF 2</p> |
|--|--|--|

ENVR+WELL BORING REV2_10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|------------------------|------------------------|-------------|------------------------------|---|
| 30 | | | No circulation below 30.0 feet below ground surface. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout Slurry, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 77 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| | | | SANDY GRAVEL (angled length approximately 26.0-27.0 feet.) | | | | | | |
| 35 | | | Slower drilling from 33.0-50.0 feet below ground surface. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Larger GRAVEL and COBBLES encountered. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | Total depth = 50.5 feet below ground surface. | | | | | | |

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS280

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/12/2003 - 6/12/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-11 PAGE 2 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer). Brown, fine to medium, subrounded SILTY GRAVEL FILL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| | | | | | | | | | Pea Gravel (3/8-inch) |
| 5 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | Brown, fine to medium SILTY SAND; moist. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 10 | | | | | | | | | |
| 15 | | | Becomes wet. | | | | ▽ | | |
| 20 | | | | | | | | | |
| | | | GRAVEL. No soil cuttings return. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT808 DRILLING DATES: 6/20/2003 - 6/20/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-12 PAGE 1 OF 2 |
|---|--|--|---|

ENVR-WELL BORING REV2 10/13/03.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| | | | Total depth = 46.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|---|---|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT808 DRILLING DATES: 6/20/2003 - 6/20/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|---|--|

| | | | |
|---|--|--|---------------------------------------|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-12 PAGE 2 OF 2 |
|---|--|--|---------------------------------------|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READINGS (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|----------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (1.5-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 15 | | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand; moist. Circulation approximately 70%. | | | | | | Cement |
| 15 - 23 | | SP-SM | Grades to SAND/SILTY SAND. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 23 - 30 | | GW-SW | Very dense, gray-brown, medium to coarse, well-graded to moderately graded, alluvial SANDY GRAVEL to GRAVELLY SAND; saturated. No circulation below 25.0 feet below ground surface. | | | | | | High Yield Bentonite Grout Slurry with 30% Solids, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 90 gallons) |

ENVIR+WELL BORING REV2_10135D.GPJ AMEC PORTLAND.JUNE03.GDT_10/23/03

| | | |
|--|--|---|
| BORING METHOD: 4-Inch Casing Advancer BOREHOLE DIAMETER: 5.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63796/AHS281 DRILLING DATES: 6/24/2003 - 6/24/2003 | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-13 PAGE 1 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|--------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | Occasional cobbles below 30.0 feet below ground surface. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout Slurry with 30% Solids, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 90 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | Very slow drill rate at 31.0 feet below ground surface. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS281
LOGGED BY: S. Bourcy **DRILLING DATES:** 6/24/2003 - 6/24/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/8/03

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-13 PAGE 2 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (2.0-inch layer) underlain by (base course). | | | | | | |
| 5 | | | Soft, reddish brown SILT with some very fine sand. Approximately 30-50% return circulation. | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Possible SAND/SILTY SAND contact. Return circulation color changes to gray-brown; only 10% return. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: 4-inch Casing Advancer

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 5.0 (in)

GROUND SURFACE ELEVATION:

DRILL RIG:

CASING ELEVATION:

CONTRACTOR: Geo-Tech Explorations

START CARD/TAG ID: R63796/AHS282

LOGGED BY: S. Bourcy

DRILLING DATES: 6/13/2003 - 6/13/2003

REMARKS:

Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVYR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 11/6/03

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-14

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | No circulation below 31.0 feet (angled length) below ground surface. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout Slurry, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 170 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | Very dense, coarse, alluvial SANDY GRAVEL and occasional cobbles. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 11/8/03

BORING METHOD: 4-inch Casing Advancer **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS282

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/13/2003 - 6/13/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4


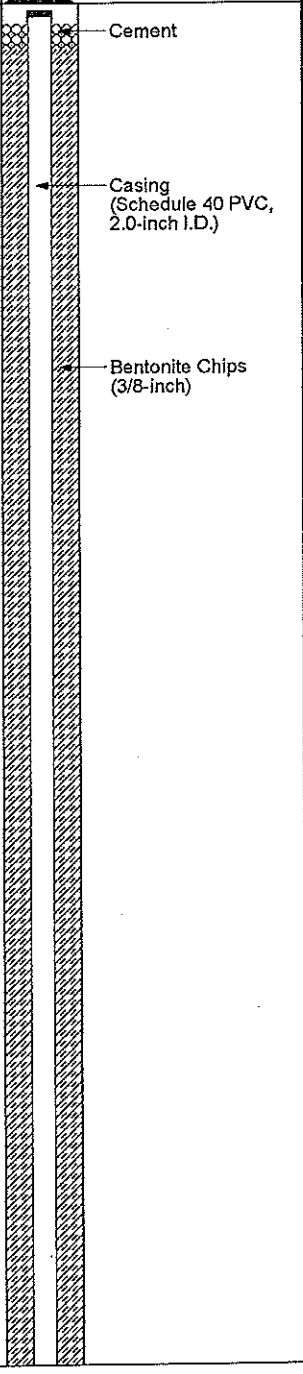
AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-14

 PAGE 2 OF 2

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt. | | | | | |  |
| 0 - 20 | | | Brown SANDY SILT; dry. | | | | | | |
| 20 - 30 | | | GRAVEL. | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT809

LOGGED BY: B. Lary **DRILLING DATES:** 6/16/2003 - 6/16/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

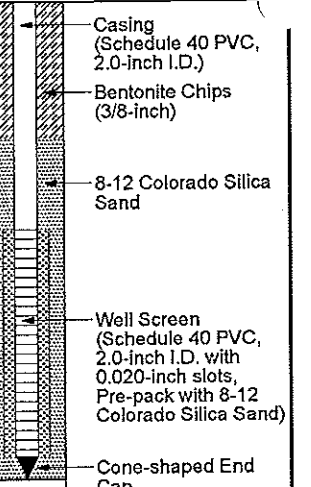
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-15

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|---|---------------------------|--|-------------|------------------------------------|---|
| 30 35 40 | | | | | | | | |  <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 40 45 50 55 60 | | | <p>Total depth = 40.5 feet below ground surface.</p> | | | | | | |
| <p>BORING METHOD: Hollow Stem Auger</p> <p>BOREHOLE DIAMETER: 10.0 (in)</p> <p>DRILL RIG:</p> <p>CONTRACTOR: Geo-Tech Explorations</p> <p>LOGGED BY: B. Lary</p> | | | | <p>ELEVATION REFERENCE:</p> <p>GROUND SURFACE ELEVATION:</p> <p>CASING ELEVATION:</p> <p>START CARD/TAG ID: R63787/AHT809</p> <p>DRILLING DATES: 6/16/2003 - 6/16/2003</p> | | <p>REMARKS:</p> <p>No discrete soil samples collected. Lithology logged by drilling character/resistance.</p> | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-15
PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer) underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Brown CLAYEY SILT; dry (from cuttings). | | | | | | Gravel |
| 5 | | | Chunk of asphalt in end of sampler. | | 8 | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | Cuttings become moist. | | | | | | |
| 10 | | | Soft, brown, micaceous, fine SANDY SILT; moist. | | 8 | | | | Bentonite Grout (~75 gallons) |
| 15 | | | Loose, gray-brown, fine SAND with silt; wet to saturated. | | 19 | | | | |
| | | | Sand has less silt content (fairly clean). SILTY SAND layer (1.0-inch) at approximately 18.5 feet below ground surface. | | 8 | | | | |
| 20 | | | Loose, salt and pepper colored, medium SAND with pebbles and gravel (up to 1.0-inch); wet. Pebbles and gravel primarily in last 6.0 inches of sample. | | 6 | | | | |
| | | | Dense, gray-black, coarse SANDY GRAVEL; wet. Basalt gravel in end of sampler. | | 50 | | | | |
| 25 | | | End sampling. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: D. Hetherington

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT810
DRILLING DATES: 6/11/2003 - 6/11/2003

REMARKS:

ENVR-WELL BORING REV/2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-16

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT 'N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|----------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Grout (~75 gallons) Bentonite Chips 8-12 Colorado Silica Sand (200 lbs) Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT810
LOGGED BY: D. Hetherington **DRILLING DATES:** 6/11/2003 - 6/11/2003

REMARKS:

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-16
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt pavement (2.0-inch layer) underlain by silty sandy crushed rock FILL (base course). | | | | | | |
| 2.0 | | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand; moist. | | | | | | |
| 10.5 | | | Total depth = 10.5 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:**
LOGGED BY: S. Bourcy **DRILLING DATES:** 7/18/2003 - 7/18/2003

REMARKS:
 Lithology logged by drilling character and cuttings return. No discrete soil samples collected.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MP-1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt pavement underlain by silty sandy crushed rock FILL (base course). | | | | | | |
| 5 | | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand. | | | | | | |
| 10 | | | Total depth = 10.5 feet below ground surface. | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID:
DRILLING DATES: 7/18/2003 - 7/18/2003

REMARKS:
 Lithology logged by drilling character and cuttings return. No discrete soli samples collected.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
 MP-2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt pavement (1.5-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | | |
| 0 to 10.5 | | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand; moist. | | | | | | |
| 10.5 | | | Total depth = 10.5 feet below ground surface. | | | | | | |

| | | |
|--|--|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: DRILLING DATES: 7/18/2003 - 7/18/2003 | REMARKS: Lithology logged by drilling character and cuttings return. No discrete soil samples collected. |
|--|--|--|

ENVR+WELL_BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND, JUNE03.GDT 12/5/03

| | | | |
|---|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MP-3 PAGE 1 OF 1 |
|---|--|--|--|

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (2.0-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | | |
| 2.0 - 5.0 | | ML | Soft to medium stiff, reddish brown CLAYEY SILT with very fine sand (approximately 5-10%); moist. | | | | | | |
| 5.0 - 30.0 | | | Reddish brown return water, approximately 50% circulation from 2.5-28.0 feet below ground surface. | | | | | | |

BORING METHOD: 4-Inch Casing Advancer
 BOREHOLE DIAMETER: 5.0 (in)
 DRILL RIG:
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION:
 CASING ELEVATION:
 START CARD/TAG ID: R63796/AHS283
 DRILLING DATES: 6/16/2003 - 6/16/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 AS-17


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | ML | Return water color changes to gray, approximately 20% circulation at 30.0 feet below ground surface. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 120 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | GW-SW | Very dense, gray-brown, medium to coarse, well-graded, alluvial SANDY GRAVEL to GRAVELLY SAND; saturated. No circulation and slower drilling below 32.0 feet below ground surface. | | | | | | |
| 40 | | | Very coarse GRAVEL and COBBLES encountered at 38.0 feet below ground surface. Gravel content decreasing slightly (GRAVELLY SAND). | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: 4-Inch Casing Advancer
BOREHOLE DIAMETER: 5.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63796/AHS283
DRILLING DATES: 6/16/2003 - 6/16/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL_BORING REV2_10135D.GPJ_AMEC PORTLAND_JUNE03.GDT 11/6/03

| | | |
|--|---|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-17 PAGE 2 OF 2 |
|--|---|---|

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND, JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt. | | | | | | |
| - | | | Brown SANDY SILT; dry. | | | | | | |
| -5 | | | | | | | | | |
| -10 | | | | | | | | | |
| -15 | | | | | | | | | |
| -20 | | | | | | | | | |
| -25 | | | | | | | | | |
| -30 | | | | | | | | | |

| | | |
|--|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: | No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| DRILL RIG: | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT811 | |
| LOGGED BY: B. Lary | DRILLING DATES: 6/16/2003 - 6/16/2003 | |

| | | | |
|---|---|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORIN AS-18</p> <p>PAGE 1 OF 2</p> |
|---|---|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | GRAVEL. | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 10.0 (in) GROUND SURFACE ELEVATION: DRILL RIG: CASING ELEVATION: CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R63797/AHT811 LOGGED BY: B. Lary DRILLING DATES: 6/16/2003 - 6/16/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| | | | |
|--|---|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-18 PAGE 2 OF 2 |
|--|---|--|---|

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). Brown CLAYEY SILT; dry. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Cement |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Grading into fine SAND with silt. Appears wet at 16.0 feet below ground surface. | | | | | | Bentonite Chips (3/8-inch) |
| 20 | | | GRAVEL. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT812 | |
| LOGGED BY: D. Hetherington | DRILLING DATES: 6/11/2003 - 6/11/2003 | |



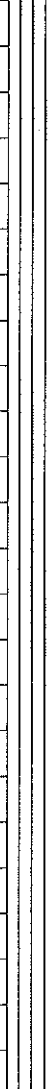


| | | | |
|---|--|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-19</p> <p>PAGE 1 OF 2</p> |
|---|--|--|---|

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/23/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: D. Hetherington | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT812 DRILLING DATES: 6/11/2003 - 6/11/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | |
|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-19 PAGE 2 OF 2 |
|--|--|---|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt (1.5-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 28 |  | ML | Soft grading to medium stiff, reddish brown, oxidized CLAYEY SILT with some very fine sand. No circulation - washing out into formation. | | | | | | Cement |
| 0 - 28 |  | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 0 - 28 |  | | | | | | | | High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = 10.0 lbs/gal, 120 gallons) |
| 28 - 30 |  | GW-SW | Very dense, gray-brown, medium to coarse, well-graded, alluvial SANDY GRAVEL to GRAVELLY SAND; saturated. | | | | | | |

BORING METHOD: 4-Inch Casing Advancer

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 5.0 (in)

GROUND SURFACE ELEVATION:

DRILL RIG:

CASING ELEVATION:

CONTRACTOR: Geo-Tech Explorations

START CARD/TAG ID: R63796/AHS284

LOGGED BY: S. Bourcy

DRILLING DATES: 6/16/2003 - 6/17/2003

REMARKS:

Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

ENVYR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND.JUNE03.GDT 10/30/03

Cadet Manufacturing

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-20

PAGE 1 OF 2

3-61M-10135-D T4

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | Slower/harder drilling below 30.0 feet below ground surface. No circulation - water displacing into formation. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = 10.0 lbs/gal, 120 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | Occasional cobbles encountered below 32.0 feet below ground surface. | | | | | | |
| 40 | | | Cobble/boulder (12.0-inch) encountered at 39.0-40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | Total depth = 50.5 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS284

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/16/2003 - 6/17/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4


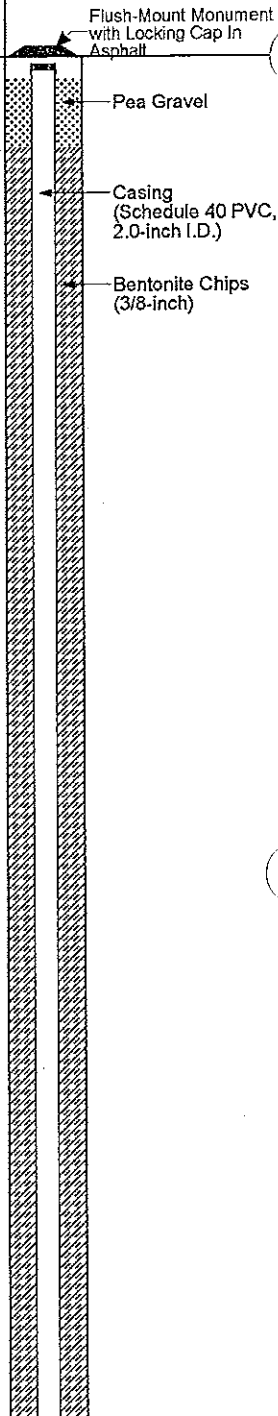
AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-20

 PAGE 2 OF 2

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|-----------------------|--------|--------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Wet. Gravelly. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (In)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT813
DRILLING DATES: 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-21

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | Very gravelly. | | | | | | |
| 40 | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT813
DRILLING DATES: 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-21

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt over GRAVEL FILL (base course). | | | | | | |
| 5 | | | Brown, micaceous CLAYEY SILT; dry to moist. | | | | | | |
| 10 | | | Moisture increases at 9.0-10.0 feet below ground surface. | | | | | | |
| 15 | | | Fine SANDY SILT; becoming wet. | | | | | | |
| 20 | | | GRAVEL encountered at approximately 22.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUN03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: D. Hetherington

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT814
DRILLING DATES: 6/11/2003 - 6/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-22

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (2.0-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | | |
| 0-17.0 | | ML | Reddish brown, approximately 40% circulation return from 0.0-17.0 feet below ground surface. | | | | | | |
| 17.0-28.0 | | SM | SAND/SILTY SAND. No circulation return below 17.0 feet below ground surface. | | | | | | |
| 28.0-30.0 | | GW-SW | Very dense, gray-brown, medium to coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; saturated. | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| | | |
|--|--|---|
| BORING METHOD: 4-inch Casing Advancer BOREHOLE DIAMETER: 5.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63796/AHS285 DRILLING DATES: 6/17/2003 - 6/18/2003 | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-23 PAGE 1 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | Occasional cobbles encountered below 34.0 feet below ground surface. Harder, slower drilling. | | | | | | <ul style="list-style-type: none"> ← Casing (Schedule 40 PVC, 2.0-inch I.D.) ← High Yield Bentonite Grout, (50 lbs grout : 15 gal water, mud weight = approximately 10.0 lbs/gal, 144 gallons) ← 20-40 Colorado Silica Sand Transition Layer ← Rubber Shale Trap/Grout Barrier ← Natural Formation ← Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) ← Cone-shaped End Cap |
| 35 | | | Back water pressure noted, drill rate dropped drastically - may be a worn or broken core bit. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | Total depth = 51.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/8/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS285
LOGGED BY: S. Bourcy **DRILLING DATES:** 6/17/2003 - 6/18/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-23

 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer) underlain by brown, fine to medium, subrounded SILTY GRAVEL FILL (base course); moist. | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Brown SILT, trace fine sand; moist. | | | | | | Pea Gravel (3/8-inch) |
| 5 | | | Becomes SANDY SILT. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | | | | | | | Bentonite Chips (3/8-inch, Sodium) |
| 10 | | | | | | | | | |
| | | | Brown, fine to medium SILTY SAND; moist. | | | | | | |
| 15 | | | Silt decreases to trace; wet. | | | | | | |
| | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | GRAVEL. No soil cuttings return. | | | | | | |
| 25 | | | | | | | | | |
| | | | | | | | | | |
| 30 | | | | | | | | | Bentonite Chips (3/4-inch, Sodium) |

ENVR+WELL BORING REVZ 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT815
DRILLING DATES: 6/13/2003 - 6/13/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-24

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | Total depth = 41.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUN03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT815
DRILLING DATES: 6/13/2003 - 6/13/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-24

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | |
| 5 | | | Brown, micaceous CLAYEY SILT; dry. | | | | | | |
| 15 | | | SANDY SILT; moist. SILTY SAND/SANDY SILT; wet by 15.0-16.0 feet below ground surface. | | | | | | |
| 20 | | | GRAVEL. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT816
LOGGED BY: D. Hetherington **DRILLING DATES:** 6/11/2003 - 6/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | |
|---|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-25 PAGE 1 OF 2 |
|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 41.0 feet below ground surface.

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: D. Hetherington

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT816
DRILLING DATES: 6/11/2003 - 6/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUN03.GDT 10/30/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-25

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Concrete (4.0-inch layer) underlain by crushed rock FILL (base course). | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | ML | Medium stiff, reddish brown, oxidized CLAYEY SILT with trace very fine sand; moist. | | | | | | Temporary Gravel and Metal Plate |
| 5-20 | | SP-SM | Grades to gray SAND/SILTY SAND. Approximately 70% circulation return. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 20-30 | | | GRAVEL encountered during drilling. No circulation below 29.0 feet below ground surface. | | | | | | High Yield Bentonite Grout with 30% Solids, (Approximately 90 gallons) |

ENVR-WELL BORING REV2-10135D.GPJ AMEC PORTLAND JUNED03.GDT 10/30/03

BORING METHOD: 4-inch Casing Advancer
BOREHOLE DIAMETER: 5.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy, B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63796/AHS286
DRILLING DATES: 6/24/2003 - 6/25/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-26

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SP- SM | Occasional cobbles. Slower drilling. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>High Yield Bentonite Grout with 30% Solids, (Approximately 90 gallons)</p> <p>20-40 Colorado Silica Sand Transition Layer (25 lbs)</p> <p>Rubber Shale Trap/Grout Barrier</p> <p>Natural Formation</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | COBBLES. Large GRAVEL/COBBLES. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 51.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: 4-Inch Casing Advancer

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 5.0 (in)

GROUND SURFACE ELEVATION:

DRILL RIG:

CASING ELEVATION:

CONTRACTOR: Geo-Tech Explorations

START CARD/TAG ID: R63796/AHS286

LOGGED BY: S. Bourcy, B. Lary

DRILLING DATES: 6/24/2003 - 6/25/2003

REMARKS:

Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

Cadet Manufacturing

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-26

3-61M-10135-D T4

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Cement |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Cuttings coming up wet. | | | | ▽ | | Bentonite Chips (3/8-inch) |
| 20 | | | Gravelly. | | | | | | |
| 25 | | | Heaving SAND. Easy drilling. | | | | | | |
| 30 | | | | | | | | | |

ENVIR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT817
DRILLING DATES: 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

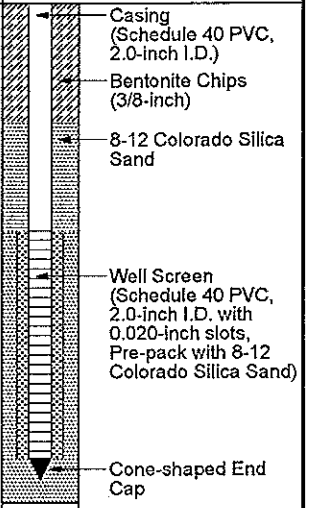
Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-27
 PAGE 1 OF 2

ENVIR+WELL BORING REV2_10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| 30 DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap</p> |
| 35 | | | Large GRAVEL/COBBLES. | | | | | | |
| 40 | | | | | | | | | |
| | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |


| | | |
|-----------------------------------|---------------------------------------|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT817 | |
| LOGGED BY: B. Lary | DRILLING DATES: 6/17/2003 - 6/17/2003 | |

| | | | |
|--|---|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-27</p> <p>PAGE 2 OF 2</p> |
|--|---|--|---|

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| C DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|------------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Gray, medium SAND FILL underlain by brown, fine to medium, subangular to angular SILTY GRAVEL FILL (base course); moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | Brown, fine SILTY SAND; moist. | | | | | | Pea Gravel (3/8-inch) |
| 10 | | | Silt content decreases to some. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Silt content decreases to trace. Becomes fine to medium SAND; wet. | | | | ▽ | | Bentonite Chips (3/4-inch, Sodium) |
| 20 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|-----------------------------------|---------------------------------------|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS247 | |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/30/2003 - 6/30/2003 | |

| | | | |
|--|---|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-28</p> <p>PAGE 1 OF 2</p> |
|--|---|--|---|


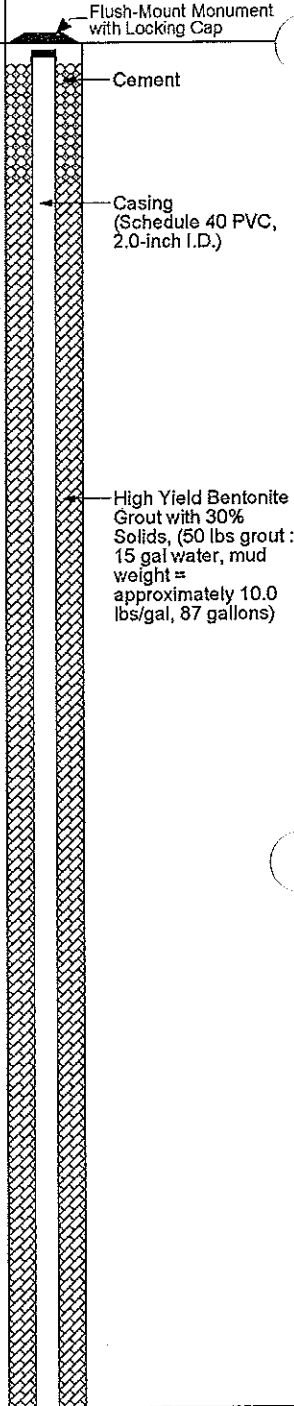
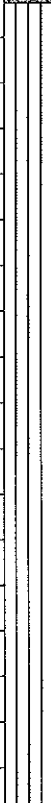


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS247 DRILLING DATES: 6/30/2003 - 6/30/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-28 PAGE 2 OF 2 |
|--|--|--|---|

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt (2.0-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | |  |
| 0 - 20 |  | ML | Soft grading to medium stiff, reddish brown CLAYEY SILT with very fine sand (10%); moist. | | | | | | |
| 20 - 28 |  | SP-SM | Grades to SAND/SILTY SAND; saturated. | | | | | | |
| 28 - 30 |  | GW-SW | Very dense, gray-brown, medium to coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; saturated. Approximately 50% circulation return from 0.0-28.0 feet below ground surface. No circulation below 28.0 feet below ground surface. | | | | | | |

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS287

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/19/2003 - 6/19/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORING
AS-29
 PAGE 1 OF 2

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | COBBLES. Very hard, slow drilling below 35.0 feet below ground surface. | | | | | | <ul style="list-style-type: none"> → Casing (Schedule 40 PVC, 2.0-inch I.D.) → High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = Approximately 10.0 lbs/gal, 87 gallons) → 20-40 Colorado Silica Sand Transition Layer (25 lbs) → Rubber Shale Trap/Grout Barrier → Natural Formation → Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) → Cone-shaped End Cap |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| | | | Total depth = 50.5 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: 4-Inch Casing Advancer BOREHOLE DIAMETER: 5.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63796/AHS287 DRILLING DATES: 6/19/2003 - 6/19/2003 | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-29 PAGE 2 OF 2 |
|--|--|--|---|

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|-------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | | Brown SANDY SILT; dry. | | | | | | Cement |
| 5-10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10-15 | | | | | | | | | Bentonite Chips (3/8-inch) |
| 15-20 | | | Cuttings are wet. | | | | ▽ | | |
| 20-25 | | | GRAVEL encountered during drilling. | | | | | | |
| 25-30 | | | | | | | | | Bentonite Grout (40 gallons) |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT818
LOGGED BY: B. Lary **DRILLING DATES:** 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-30

 PAGE 1 OF 2

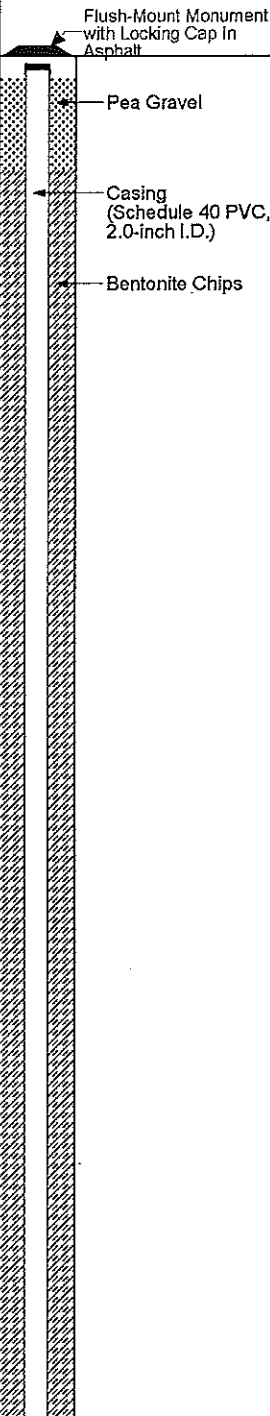
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Grout (40 gallons) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVIR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND, JUNE03, GDT, 10/30/03

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT818 DRILLING DATES: 6/17/2003 - 6/17/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-30 PAGE 2 OF 2 |
|--|--|--|---|

ENV-R-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | |  <p>Flush-Mount Monument with Locking Cap In Asphalt</p> <p>Pea Gravel</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips</p> |
| 5 | | | Brown, micaceous CLAYEY SILT; dry. | | | | | | |
| 8 | | | Moist at approximately 8.0 feet below ground surface. | | | | | | |
| 15 | | | Soils appear wet at approximately 15.0 feet below ground surface. Some sand. | | | | ▽ | | |
| 20 | | | GRAVEL. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | |
|-----------------------------------|---------------------------------------|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT819 |
| LOGGED BY: D. Hetherington | DRILLING DATES: 6/12/2003 - 6/12/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-31

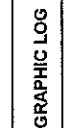
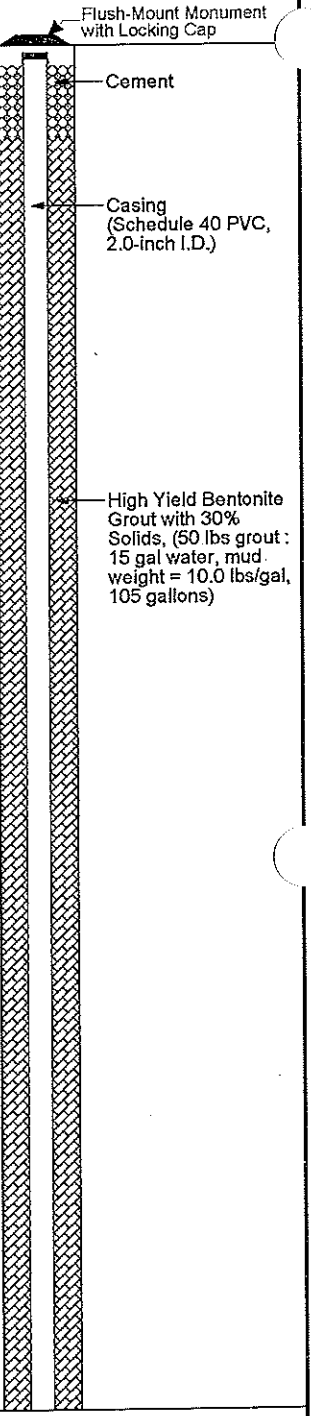

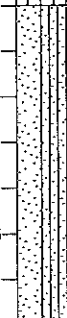

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT819
LOGGED BY: D. Hetherington **DRILLING DATES:** 6/12/2003 - 6/12/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-31 PAGE 2 OF 2 |
|---|--|--|---|


| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt (2.0-inch layer) underlain by sandy crushed rock FILL (base course). | | | | | |  |
| 0 - 20 |  | ML | Medium stiff, reddish brown CLAYEY SILT with trace very fine sand. | | | | | | |
| 20 - 28 |  | SP-SM | SAND/SILTY SAND. | | | | | | |
| 28 - 30 |  | GW-SW | Very dense, gray-brown, medium to coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; saturated. Approximately 50-60% circulation return from 0.0-28.0 feet below ground surface. No circulation return below 28.0 feet below ground surface. | | | | | | |

BORING METHOD: 4-Inch Casing Advancer
BOREHOLE DIAMETER: 5.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63796/AHS288
DRILLING DATES: 6/20/2003 - 6/20/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.


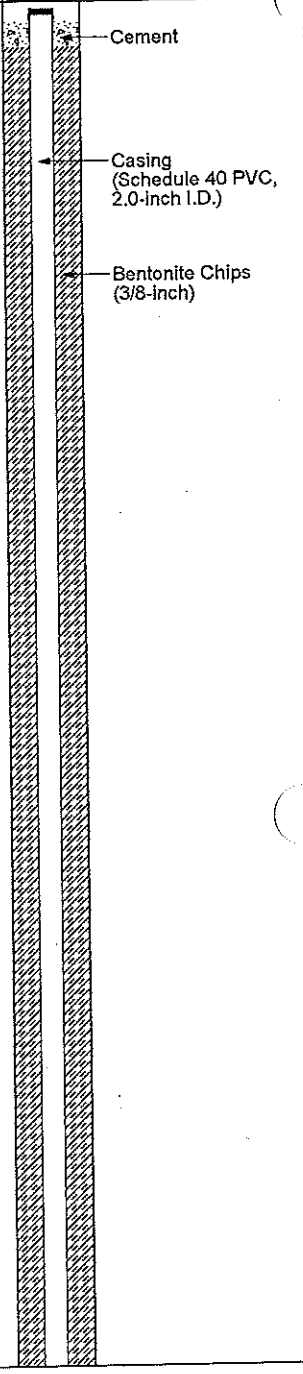
ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| | | |
|---|--|---|
| <p>Cadet Manufacturing 3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING AS-32 PAGE 1 OF 2</p> |
|---|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | Occasional cobbles. Hard, slow drilling below 34.0 feet below ground surface. | | | | | | <ul style="list-style-type: none"> ← Casing (Schedule 40 PVC, 2.0-inch I.D.) ← High Yield Bentonite Grout with 30% Solids, (50 lbs grout : 15 gal water, mud weight = 10.0 lbs/gal, 105 gallons) ← 20-40 Colorado Silica Sand Transition Layer ← Rubber Shale Trap/Grout Barrier ← Natural Formation ← Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) ← Cone-shaped End Cap |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.5 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: 4-Inch Casing Advancer ELEVATION REFERENCE: BOREHOLE DIAMETER: 5.0 (in) GROUND SURFACE ELEVATION: DRILL RIG: CASING ELEVATION: CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R63796/AHS288 LOGGED BY: S. Bourcy DRILLING DATES: 6/20/2003 - 6/20/2003 | | | | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance. | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-32 PAGE 2 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|-------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | GRAVEL | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Cuttings are wet. | | | | ▽ | | |
| 20 | | | GRAVEL encountered during drilling. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT820

LOGGED BY: B. Lary **DRILLING DATES:** 6/17/2003 - 6/17/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-33

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Large GRAVEL. | | | | | | |
| | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT820
DRILLING DATES: 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-33

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | GRAVEL. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | | | | | | | | Pea Gravel |
| 5 | | | Soft, brown, micaceous CLAYEY SILT; dry to moist. SILTY CLAY (1.0-inch layer) at approximately 6.0 feet below ground surface. | | 6 | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 5-10 | | | | | | | | | Bentonite Chips (3/4-inch) |
| 10 | | | Soft, brown, fine SANDY SILT with less clay content; dry. Sand content increasing with depth. | | 6 | | | | |
| 10-15 | | | | | | | | | |
| 15 | | | Medium stiff, gray-brown, fine SANDY SILT, some interbedded loose, gray, fine SAND with silt; wet. Interbedding noted at approximately 15.5 and 16.25-16.5 feet below ground surface. | | 11 | | | | |
| 15-20 | | | | | | | | | |
| 20 | | | Loose, gray, micaceous, fine SAND with some silt; wet. No silt layering noted. | | 12 | | | | |
| 20-25 | | | | | | | | | |
| 25 | | | Loose, predominately gray (slightly salt and pepper colored), micaceous, fine SAND, few fines; wet. Coarseness increasing with depth. Small pebbles present at 21.0-21.5 feet below ground surface. | | 12 | | | | |
| 25-30 | | | Dense, gray, fine SAND, very few fines; wet transitioning to medium to coarse SAND with pebbles. Rounded, basalt gravel in sampler shoe at approximately 23.5 feet below ground surface. GRAVEL. End of sampling. | | 32 | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUN03.GDT 11/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT821

LOGGED BY: D. Hetherington **DRILLING DATES:** 6/12/2003 - 6/12/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-34

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 43.5 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: D. Hetherington

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT821
DRILLING DATES: 6/12/2003 - 6/12/2003

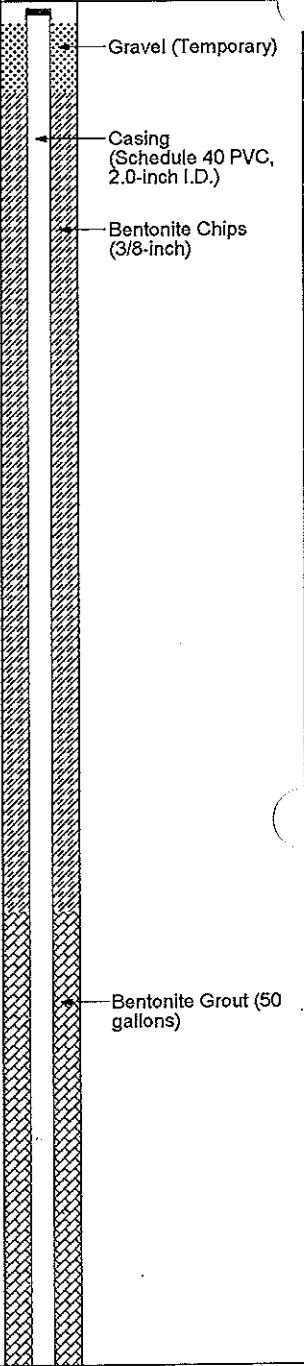
REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-34

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Grass. Brown SANDY SILT; dry. | | | | | |  <p>Flush-Mount Monument with Locking Cap.</p> <p>Gravel (Temporary)</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>▽</p> <p>Bentonite Grout (50 gallons)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | GRAVEL encountered during drilling. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 10.0 (In) | GROUND SURFACE ELEVATION: |
| DRILL RIG: | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT822 |
| LOGGED BY: B. Lary | DRILLING DATES: 6/17/2003 - 6/17/2003 |

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-35

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Grout (50 gallons) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 41.0 feet below ground surface.

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary
ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT822
DRILLING DATES: 6/17/2003 - 6/17/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-35

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|-------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Becomes SANDY SILT. | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Brown, fine SILTY SAND; moist. | | | | | | |
| 25 | | | Becomes wet. | | | | | | |
| 30 | | | GRAVEL. No soil cuttings return. | | | | | | |

ENVR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.5 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT823
DRILLING DATES: 6/23/2003 - 6/23/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORIN
AS-36

 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |


ENVR-WELL BORING REV2 10195D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 3.5 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT823 DRILLING DATES: 6/23/2003 - 6/23/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-36 PAGE 2 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Gray-brown, fine to medium, subrounded to subangular SILTY GRAVEL FILL; moist. Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Becomes SANDY SILT. | | | | | | |
| 15 | | | Brown, fine SILTY SAND; moist. | | | | | | |
| 20 | | | Becomes fine to medium; wet. Silt content decreases to trace. | | | | ▽ | | |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 30 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT824 DRILLING DATES: 6/23/2003 - 6/23/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | |
|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-37 PAGE 1 OF 2 |
|--|--|---|

ENVIR-WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 11/6/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT824 DRILLING DATES: 6/23/2003 - 6/23/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|--|---|
| ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03 Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-37 PAGE 2 OF 2 |
|--|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Grass. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | | Brown CLAYEY SILT with minor sand; dry to moist. | | | | | | Pea Gravel |
| 5-15 | | | Moist at approximately 12.0-13.0 feet below ground surface. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15-20 | | | Fine SAND; wet at approximately 15.0 feet below ground surface. | | | | ▽ | | Bentonite Chips (3/4-inch) |
| 20-25 | | | GRAVEL. | | | | | | Native Soil |
| 25-30 | | | | | | | | | Bentonite Chips (3/4-inch) |

| | | |
|---|---|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: D. Hetherington | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT825 DRILLING DATES: 6/12/2003 - 6/12/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|---|--|

| | | |
|---|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-38 PAGE 1 OF 2 |
|---|--|---|

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNED03.GDT 11/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 36 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 43.5 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 10195D.GPJ AMEC PORTLAND JUNE03.GDT 10/30/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT825
LOGGED BY: D. Hetherington **DRILLING DATES:** 6/12/2003 - 6/12/2003

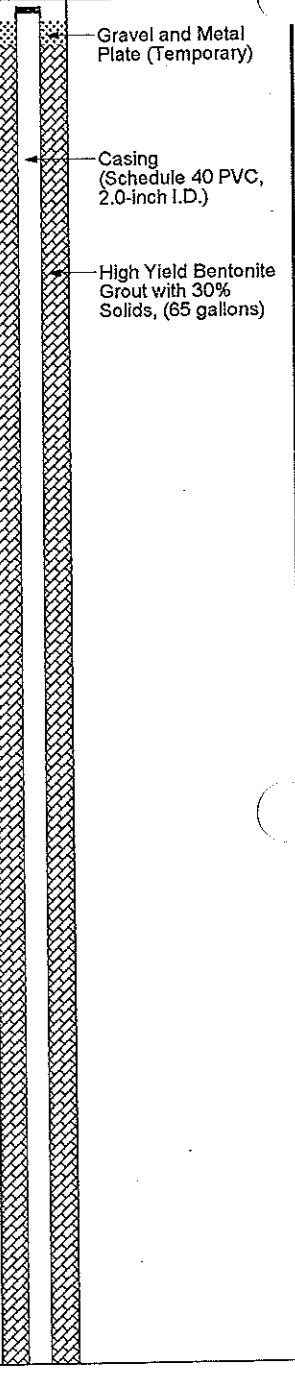
REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-38
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Grass. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 10135D.GPJ AMEC PORTLAND JUNE03.SDT 10/30/03

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 5.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63796/AHS289
LOGGED BY: B. Lary, S. Bourcy **DRILLING DATES:** 6/25/2003 - 6/25/2003

REMARKS:
 Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-39

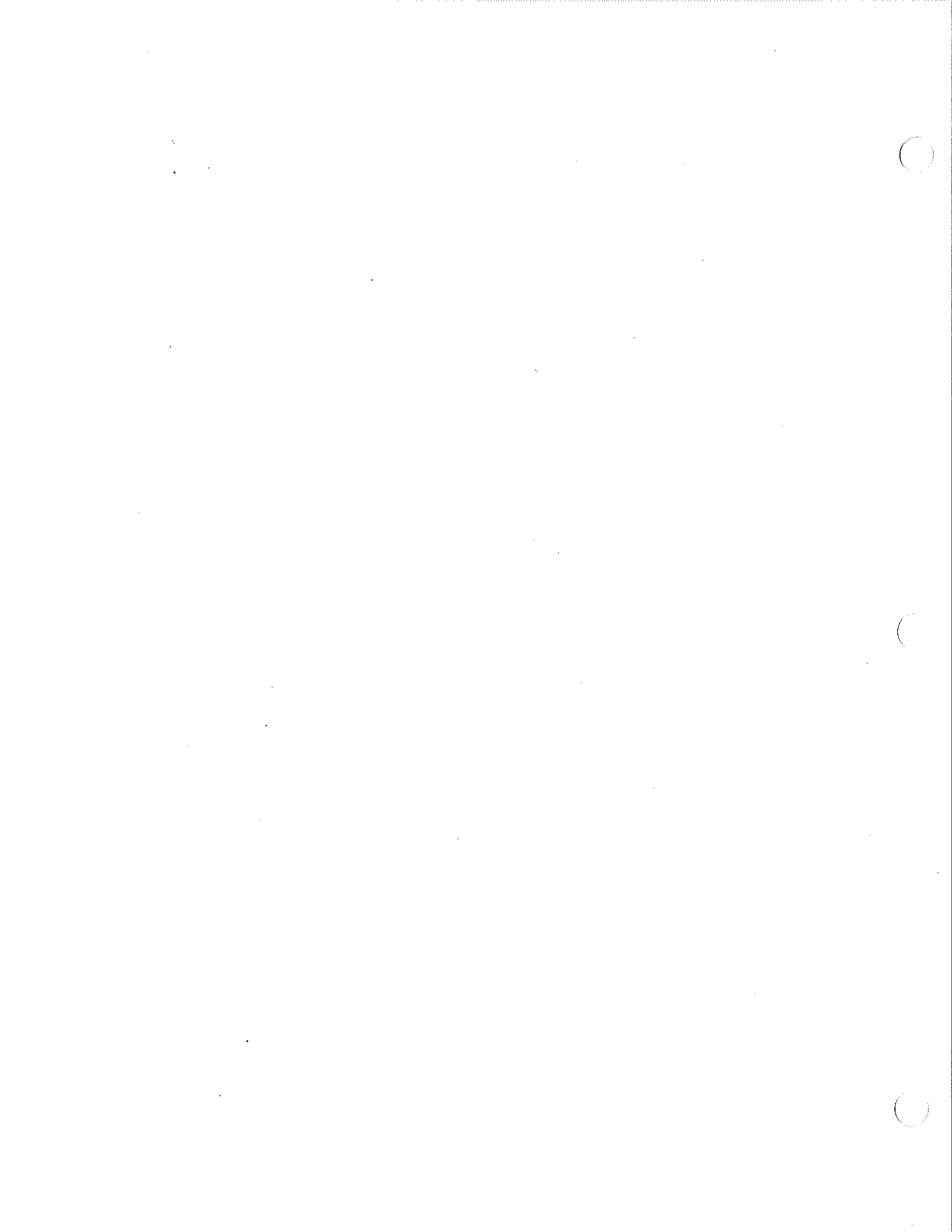
 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | Encountered GRAVEL during drilling. | | | | | | <p>Labels in Well Schematic: - Casing (Schedule 40 PVC, 2.0-inch I.D.) - High Yield Bentonite Grout with 30% Solids, (65 gallons) - 20-40 Colorado Silica Sand Transition Layer - Rubber Shale Trap/Grout Barrier - Natural Formation - Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) - Cone-shaped End Cap</p> |
| | | | Large cobble/boulder. | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Very slow drilling from 40.0-50.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.5 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2_10135D.GPJ AMEC PORTLAND_JUNE03.GDT 11/6/03

| | | |
|---|--|---|
| BORING METHOD: 4-inch Casing Advancer BOREHOLE DIAMETER: 5.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary, S. Bourcy | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63796/AHS289 DRILLING DATES: 6/25/2003 - 6/25/2003 | REMARKS: Drilled at 45 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-39 PAGE 2 OF 2 |
|---|--|--|---|



| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Gray, fine to medium, subangular to angular SILTY GRAVEL FILL; damp. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Steel Monument with Locking Cap |
| 5 | | | Sand content increases to some. | | | | | | Pea Gravel (3/8-inch) |
| 10 | | | Becomes SANDY SILT. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) |
| 15 | | | Brown, fine SAND, trace silt; moist. | | | | | | Bentonite Grout Quick Gel, (40 gal water, 80 gallons) |
| 20 | | | Becomes wet. GRAVEL. No soil cuttings return. | | | | ▽ | | Bentonite Chips (3/4-inch, Sodium) |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT826 DRILLING DATES: 6/23/2003 - 6/24/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-40 PAGE 1 OF 2 |
|--|--|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.5 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: Mobile B59 **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT826
LOGGED BY: K. Schleh **DRILLING DATES:** 6/23/2003 - 6/24/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 AS-40

PAGE 2 OF 2

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND.JUNE03.GDT 12/5/03

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Gray, fine to medium, subangular to angular SILTY GRAVEL FILL; damp. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Steel Monument with Locking Cap |
| 5 | | | Sand content increases to some. | | | | | | Pea Gravel (3/8-inch) |
| 10 | | | Becomes SANDY SILT. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Brown, fine SAND, trace silt; moist. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 20 | | | Becomes wet. GRAVEL. No soil cuttings return. | | | | | | Bentonite Grout Quick Gel, (40 gal water, 80 gallons) |
| 25 | | | | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 30 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63797/AHT826 DRILLING DATES: 6/23/2003 - 6/24/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | | |
|---|---|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-40 PAGE 1 OF 2 |
|---|---|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND_JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 8.5 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: Mobile B59 | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63797/AHT826 |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/23/2003 - 6/24/2003 |

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-40
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | | | | | | | | Pea Gravel (3/8-inch) |
| 5-10 | | | Becomes SANDY SILT. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10-15 | | | | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 15-20 | | | | | | | ▽ | | |
| 20-25 | | | Brown, fine to medium SAND, trace silt; wet. | | | | | | |
| 25-30 | | | GRAVEL. | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.5 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS248
LOGGED BY: K. Schleh **DRILLING DATES:** 6/27/2003 - 6/27/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|---|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-41 PAGE 1 OF 2 |
|---|--|--|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.5 (in)
DRILL RIG: IR 8200 (indoors)
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63795/AHS248
DRILLING DATES: 6/27/2003 - 6/27/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORING
AS-41
 PAGE 2 OF 2

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Steel Monument with Locking Cap |
| | | | | | | | | | Pea Gravel (3/8-inch) |
| | | | Becomes SANDY SILT. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | Brown, fine SILTY SAND lense; moist. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 10 | | | Brown SILT, trace fine sand; moist. | | | | | | |
| | | | Brown, fine to medium SAND trace silt; moist. | | | | | | |
| 15 | | | Becomes wet. | | | | | | |
| | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | | | | | | | |
| 25 | | | GRAVEL. | | | | | | |
| | | | | | | | | | |
| 30 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: IR 8200 (Indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS249 DRILLING DATES: 6/27/2003 - 6/27/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-42 PAGE 1 OF 2 |
|--|--|--|---|

ENVY-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND.JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|------------------------|------------------------|-------------|------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
| BOREHOLE DIAMETER: 8.5 (in) | GROUND SURFACE ELEVATION: | |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS249 | |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/27/2003 - 6/27/2003 | |

| | | |
|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | LOG OF BORING AS-42 PAGE 2 OF 2 |
|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Brown, medium SAND FILL, some silt; damp. Brown SILT, trace fine sand (FILL); moist. | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Concrete (Slurry/wash out). Brown SILT, trace fine sand; moist. | | | | | | Pea Gravel (3/8-inch) |
| 5 | | | Harder drilling at 7.0-8.0 feet below ground surface. Brown, fine SANDY SILT; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | Bentonite Chips (3/4-inch, Sodium) | | | | | | |
| 10 | | | Brown, fine to medium SAND, trace silt; moist. | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Becomes wet. | | | | ▽ | | |
| | | | GRAVEL. No soil cuttings return. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE08.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.5 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (Indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS250
LOGGED BY: K. Schleh **DRILLING DATES:** 6/27/2003 - 6/27/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-43

PAGE 1 OF 2

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 8.5 (In) | GROUND SURFACE ELEVATION: |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS250 |
| LOGGED BY: K. Schleh | DRILLING DATES: 6/27/2003 - 6/27/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-43

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (3.75-inch layer). Medium stiff, medium dark brown, fine SANDY SILT; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Concrete |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Becomes gray-brown. Grades to fine SILTY SAND; saturated. | | | | | | Bentonite Chips (3/8-inch) |
| 20 | | | | | | | | | |
| 25 | | | Grades to SANDY GRAVEL with some silt. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.75 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**

CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62205/AKS115

LOGGED BY: R. Vannier **DRILLING DATES:** 6/28/2003 - 6/28/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-44

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.75 (in)
DRILL RIG: CME 75 Limited Access
CONTRACTOR: Cascade Drilling
LOGGED BY: R. Vannier

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R62205/AKS115
DRILLING DATES: 6/28/2003 - 6/28/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-44
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|--|------------------------------------|---|
| 0 | | | Concrete slab (approximately 6.0-inch, pre-cut). Soft, medium red-brown SILT to SANDY SILT; dry. | | | | | | <p>Flush-Mount Monument with Locking Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> |
| 5 | | | | | | | | | |
| 10 | | | SILT to SANDY SILT, some to trace gravel. | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Very fine to fine SILTY SAND; wet. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | GRAVEL. Harder drilling. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (Indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: C. Bartlett | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS251 DRILLING DATES: 6/21/2003 - 6/21/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-45

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|--|------------------------------------|---|
| 30 | | | GRAVEL. Consistent drilling, grinding. Medium brown-gray SILTY SAND (cuttings). | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap Native Formation </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: C. Bartlett | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS251 DRILLING DATES: 6/21/2003 - 6/21/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
 AS-45
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete slab (6.0-inch, pre-cut). | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 13 | | | Medium red-brown SILT; dry. Relatively easy drilling. | | | | | | Concrete |
| 13 - 17 | | | Medium gray-brown to brown-gray SILTY SAND to SAND; wet. | | | | ▽ | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 17 - 22 | | | Relatively easy, smooth drilling. | | | | | | Bentonite Chips (3/4-inch) |
| 22 - 27 | | | GRAVEL. Harder drilling, grinding noise. | | | | | | |
| 27 - 30 | | | GRAVEL. Hard, consistent drilling. SILTY SAND to SAND; wet (cuttings). | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS252

LOGGED BY: C. Bartlett **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-46
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS252
LOGGED BY: C. Bartlett **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-46
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|---|
| 0 | | | Concrete slab (6.0-inch, pre-cut). | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 15 | | | Medium red-brown to gray-brown SILT, some gravel; dry. SILT. Drilling smoothly and consistently. | | | | | | Concrete Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) |
| 15 | | | Very fine to fine SANDY SILT; wet. | | | | ▽ | | |
| 20 - 30 | | | Gray-brown SILTY SAND to SANDY SILT; wet. Drilling very smoothly, consistently. GRAVEL. Harder drilling, grinding. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (Indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: C. Bartlett | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS253 DRILLING DATES: 6/22/2003 - 6/22/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-47


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | SILTY SAND, some gravel. Consistent, hard drilling, grinding. | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap Native Formation </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.25 (in)
DRILL RIG: IR 8200 (Indoors)
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: C. Bartlett


ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63795/AHS253
DRILLING DATES: 6/22/2003 - 6/22/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

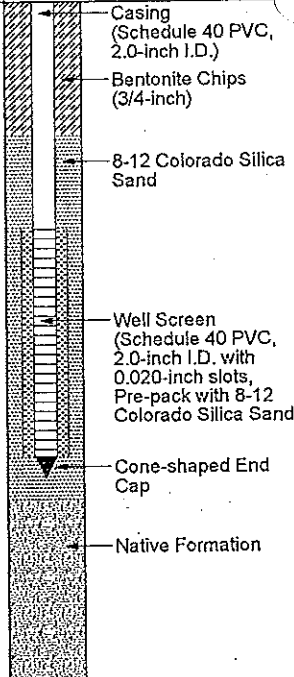
| | | | |
|--|---|---|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-47</p> <p>PAGE 2 OF 2</p> |
|--|---|---|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|----------------|
| 0 | | | Concrete (6.0-inch slab, pre-cut). | | | | | | |
| 0-5 | | | Medium red-brown SILT, some gravel; dry. | | | | | | |
| 5-15 | | | SILT with occasional gravel. | | | | | | |
| 15-25 | | | Medium brown-gray SILT to SANDY SILT/SILTY SAND; wet. Easy, smooth drilling. | | | | ▽ | | |
| 25-30 | | | GRAVEL. Harder drilling, grinding. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: C. Bartlett | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS254 DRILLING DATES: 6/22/2003 - 6/22/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENV-R-WELL BORING REV/2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03


| | | |
|---|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-48 PAGE 1 OF 2 |
|---|--|--|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND.JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap Native Formation </p> |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS254
LOGGED BY: C. Bartlett **DRILLING DATES:** 6/22/2003 - 6/22/2003


REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|---|--|---|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORIN AS-48 PAGE 2 OF 2 |
|---|--|---|--|

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer). Medium stiff, medium brown, fine SANDY SILT; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Cement |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | | | | | | | Bentonite Chips (3/8-inch) |
| 20 | | | Grades to fine SAND with some silt. Becomes saturated. | | | | ▽ | | |
| 25 | | | | | | | | | |
| 30 | | | Grades to SANDY GRAVEL with trace silt. | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.75 (in) DRILL RIG: CME 75 Limited Access CONTRACTOR: Cascade Drilling LOGGED BY: R. Vannier | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R62205/AKS121 DRILLING DATES: 6/28/2003 - 6/28/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | |
|--|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-49 PAGE 1 OF 2 |
|--|--|--|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.75 (in) DRILL RIG: CME 75 Limited Access CONTRACTOR: Cascade Drilling LOGGED BY: R. Vannier | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R62205/AKS121 DRILLING DATES: 6/28/2003 - 6/28/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORIN AS-49 PAGE 2 OF 2 |
|---|--|--|---|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Concrete (3.75-inch layer). Medium stiff, medium brown SILT with some fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Grades to fine to medium SAND with some silt; saturated. | | | | ▽ | | |
| 25 | | | | | | | | | |
| 30 | | | Grades to SANDY GRAVEL with trace silt. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.75 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62205/AKS120
LOGGED BY: R. Vannier **DRILLING DATES:** 6/28/2003 - 6/28/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-50

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.75 (in)
DRILL RIG: CME 75 Limited Access
CONTRACTOR: Cascade Drilling
LOGGED BY: R. Vannler

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R62205/AKS120
DRILLING DATES: 6/28/2003 - 6/28/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
 AS-50

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|---|---------------------------|---------------------------|---|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Brown, medium SAND; moist. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with PVC Slip Cap |
| 5 | | | | | | | | | Concrete |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | Brown, fine to medium SILTY SAND; moist. Encountered sand lense at 14.0-15.0 feet below ground surface. Silt content decreases to trace. Becomes wet. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 20 | | | | | | | | | |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: IR 8200 (Indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS255 DRILLING DATES: 6/30/2003 - 6/30/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-51
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REVZ 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 8.5 (in)
 DRILL RIG: IR 8200 (Indoors)
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: K. Schleh

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION:
 CASING ELEVATION:
 START CARD/TAG ID: R63795/AHS255
 DRILLING DATES: 6/30/2003 - 6/30/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORIN
 AS-51

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|---|---------------------------|---------------------------|---|------------------------------------|---|
| 0 | | | Concrete (4.0-inch layer) with vapor barrier. Brown SILT, trace fine sand; moist. | | | | | | Flush-Mount Monument with PVC Slip Cap |
| 5 | | | Becomes SANDY SILT. | | | | | | Concrete |
| 15 | | | Brown, fine SILTY SAND; moist. Becomes wet. | | | | ▽ | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | Bentonite Chips (3/4-inch, Sodium) |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.5 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: K. Schleh | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS256 DRILLING DATES: 6/27/2003 - 6/27/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ, AMEC PORTLAND JUNE03.GDT 12/9/03

| | | | |
|---|--|---|--|
| <p>Cadet Manufacturing 3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-52 PAGE 1 OF 2</p> |
|---|--|---|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|------------------------|------------------------|-------------|------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap Hole Collapsed </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.5 (in)
DRILL RIG: IR 8200 (indoors)
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: K. Schleh

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63795/AHS256
DRILLING DATES: 6/27/2003 - 6/27/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892




LOG OF BORIN
AS-52
PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|--|
| 0 | | | Concrete slab (4.0-inch) underlain by coarse GRAVEL FILL (base course). Medium dense, medium brown to dark brown, fine SILTY SAND; moist. | | | | | | <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> |
| 5 | | | Becomes gray-brown. | | | | | | |
| 10 | | | Becomes saturated. | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | Grades to coarse SANDY GRAVEL with trace silt. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|----------------------------------|---------------------------------------|----------------------------------|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | START CARD/TAG ID: R62205/AKS119 |
| BOREHOLE DIAMETER: 8.75 (In) | GROUND SURFACE ELEVATION: | REMARKS: |
| DRILL RIG: CME 75 Limited Access | CASING ELEVATION: | |
| CONTRACTOR: Cascade Drilling | DRILLING DATES: 6/27/2003 - 6/27/2003 | |
| LOGGED BY: R. Vannier | | |

| | | |
|---|---|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING AS-53</p> <p>PAGE 1 OF 2</p> |
|---|---|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.75 (in)
DRILL RIG: CME 75 Limited Access
CONTRACTOR: Cascade Drilling
LOGGED BY: R. Vannier

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R62205/AKS119
DRILLING DATES: 6/27/2003 - 6/27/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
 AS-53

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Loose, medium brown, fine to medium SAND with some silt; damp. | | | | | | Flush-Mount Monument with Slip Cap |
| 5 | | | Loose, medium to dark brown, fine to medium SILTY SAND with occasional gravel; moist. Becomes medium dense to dense. | | | | | | Concrete Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) |
| 10 | | | Grades to fine SILTY SAND. | | | | | | |
| 15 | | | Becomes wet to saturated. | | | | ▽ | | |
| 20 | | | Grades to SILTY GRAVELLY SAND. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 10.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS257 |
| LOGGED BY: R. Vannier | DRILLING DATES: 6/20/2003 - 6/20/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-54

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|--|-------------|---|---|---------------------------|---------------------------|--|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: R. Vannier | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS257 DRILLING DATES: 6/20/2003 - 6/20/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-54 PAGE 2 OF 2 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Concrete (approximately 4.0-inch layer). | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | Encountered GRAVEL during drilling. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNED03.GDT 12/6/03

| | |
|---|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: CME 75 Limited Access | CASING ELEVATION: |
| CONTRACTOR: Cascade Drilling | START CARD/TAG ID: R62204/AKS114 |
| LOGGED BY: B. Lary | DRILLING DATES: 6/21/2003 - 6/21/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

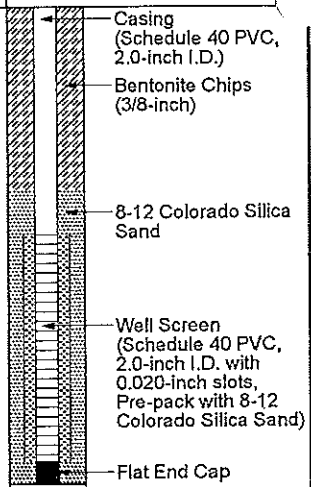
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-55

PAGE 1 OF 2

ENVR-WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Flat End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 41.0 feet below ground surface.

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: CME 75 Limited Access
CONTRACTOR: Cascade Drilling
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R62204/AKS114
DRILLING DATES: 6/21/2003 - 6/21/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892




LOG OF BORIN
AS-55
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|---------------|--|
| | | | Concrete (approximately 4.0-inch layer) underlain by SAND FILL (base course). | | | | | | <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> |
| | | | Brown CLAYEY SILT with minor fine sand; dry. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Becomes moist at 9.0-10.0 feet below ground surface. | | | | | | |
| 15 | | | Becomes wet at 13.0 feet below ground surface. | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | GRAVEL. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|-----------------------------------|---------------------------------------|----------------------------------|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | START CARD/TAG ID: R63795/AHS258 |
| BOREHOLE DIAMETER: 10.25 (in) | GROUND SURFACE ELEVATION: | REMARKS: |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | DRILLING DATES: 6/14/2003 - 6/14/2003 | |
| LOGGED BY: D. Hetherington | | |


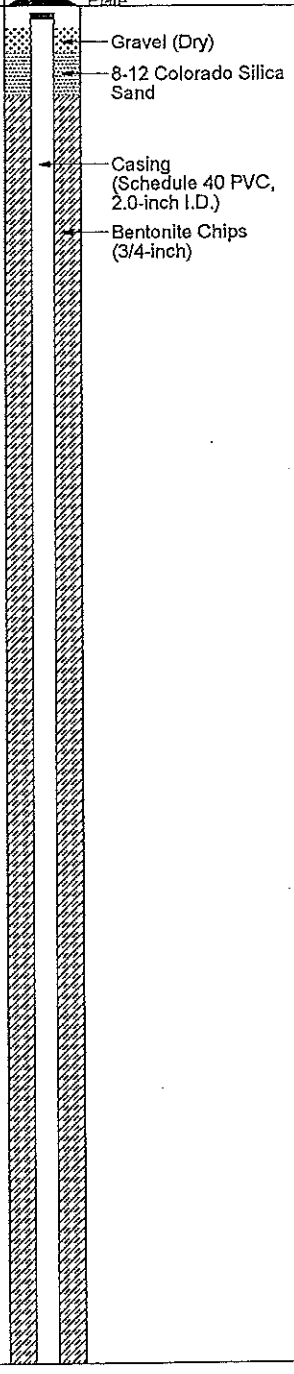
| | | |
|--|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc.</p> <p>7376 SW Durham Road</p> <p>Portland, Oregon</p> <p>USA 97224</p> <p>Tel +1 (503) 639-3400</p> <p>Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING</p> <p>AS-56</p> <p>PAGE 1 OF 2</p> |
|--|--|--|

ENVR+WELL BORING REVZ 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Heavy COBBLES at 38.0 feet below ground surface. Hard drilling. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | Total depth = 46.0 feet below ground surface. | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (Indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: D. Hetherington | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS258 DRILLING DATES: 6/14/2003 - 6/14/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | |
|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | LOG OF BORING AS-56 PAGE 2 OF 2 |
|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Concrete (approximately 4.0-inch layer) underlain by GRAVEL FILL (base course). | | | | | |  <p>Flush-Mount Monument with Slip Cap and Metal Plate</p> <ul style="list-style-type: none"> Gravel (Dry) 8-12 Colorado Silica Sand Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) |
| 0 - 5 | | | Brown SANDY SILT; dry. | | | | | | |
| 5 - 10 | | | GRAVEL lens. | | | | | | |
| 10 - 20 | | | GRAVEL (briefly). | | | | | | |
| 20 - 25 | | | GRAVEL (intermittent). | | | | | | |
| 25 - 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 10.25 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: IR 8200 (indoors) | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS259 |
| LOGGED BY: B. Lary | DRILLING DATES: 6/13/2003 - 6/13/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892




LOG OF BORING
AS-57
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | GRAVEL (very intermittent). Soft drilling. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVIR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.25 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R63795/AHS259 DRILLING DATES: 6/13/2003 - 6/13/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|---|--|---|

| | | | |
|--|--|---|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-57 PAGE 2 OF 2 |
|--|--|---|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|---|
| 0 | | | Concrete slab (5.0-inch) underlain by coarse GRAVEL FILL (base course). Soft, medium brown, fine SANDY SILT; dry. | | | | | | Flush-Mount Monument with Slip Cap Concrete |
| 5 | | | Becomes medium stiff to stiff. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) |
| 10 | | | Becomes moist. | | | | | | |
| 15 | | | Becomes wet. | | | | | | |
| 20 | | | Becomes saturated. | | | | ▽ | | |
| 25 | | | Grades to SILTY SAND with trace gravel. | | | | | | |
| 30 | | | Grades to coarse SANDY GRAVEL with some silt. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 10.0 (in) DRILL RIG: CME 75 Limited Access CONTRACTOR: Cascade Drilling LOGGED BY: R. Vannier | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R62205/AKS118 DRILLING DATES: 6/27/2003 - 6/27/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|---|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | <p>LOG OF BORING AS-58</p> <p>PAGE 1 OF 2</p> |
|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (In) **GROUND SURFACE ELEVATION:**

DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**

CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62205/AKS118

LOGGED BY: R. Vannier **DRILLING DATES:** 6/27/2003 - 6/27/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORIN
AS-58

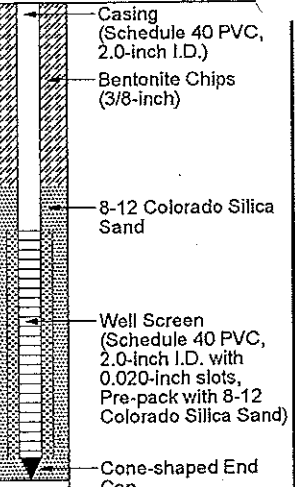
PAGE 2 OF 2

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete slab (5.0-inch) underlain by coarse GRAVEL FILL (base course). Soft, medium to dark brown, fine SANDY SILT; moist. | | | | | | <p>Flush-Mount Monument with Locking Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> |
| 5 | | | Becomes medium stiff. | | | | | | |
| 10 | | | Becomes saturated. | | | | | | |
| 15 | | | Grades to fine SILTY SAND. | | | | | | |
| 20 | | | Grades to coarse SANDY GRAVEL with some silt. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|--|--|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.75 (in) DRILL RIG: CME 75 Limited Access CONTRACTOR: Cascade Drilling LOGGED BY: R. Vannier | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: START CARD/TAG ID: R62205/AKS116 DRILLING DATES: 6/27/2003 - 6/27/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance. |
|--|--|---|

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-59 PAGE 1 OF 2 |
|---|--|--|---|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|--------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.75 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62205/AKS116
LOGGED BY: R. Vannier **DRILLING DATES:** 6/27/2003 - 6/27/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENV+R+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND_JUNE03.GDT 12/5/03

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-59


 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Coarse GRAVEL FILL. | | | | | | |
| 0-5 | | | Loose, medium to dark brown, fine SILTY SAND; moist. | | | | | | |
| 5-10 | | | Becomes medium dense. | | | | | | |
| 10-15 | | | Becomes wet. Becomes saturated. | | | | ▽ | | |
| 15-20 | | | | | | | | | |
| 20-25 | | | Grades to fine SILTY GRAVELLY SAND. | | | | | | |
| 25-30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (Indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS260
LOGGED BY: R. Vannier **DRILLING DATES:** 6/20/2003 - 6/20/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|--|---|---|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING AS-60</p> <p>PAGE 1 OF 2</p> |
|--|---|---|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|--------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS260
LOGGED BY: R. Vannier **DRILLING DATES:** 6/20/2003 - 6/20/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing


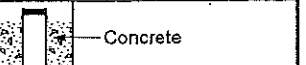

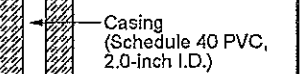
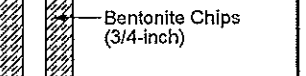



3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-60

 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Concrete (approximately 4.0-inch layer) underlain by coarse GRAVEL FILL (base course). | | | | | |  |
| 5 | | | Brown CLAYEY SILT with fine sand; dry. | | | | | |  |
| 10 | | | Becomes moist at approximately 10.0-11.0 feet below ground surface. | | | | | |  |
| 15 | | | Sand content increases. | | | | | |  |
| 20 | | | | | | | | |  |
| 25 | | | Encountered GRAVEL at approximately 22.0 feet below ground surface. Gravel is fairly intermittent according to drill character. | | | | | |  |
| 30 | | | | | | | | |  |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS261

LOGGED BY: D. Hetherington **DRILLING DATES:** 6/14/2003 - 6/14/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

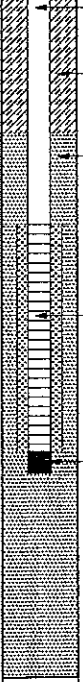
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-61

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------------------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 35 40 | | | | | | | | |  <ul style="list-style-type: none"> — Casing (Schedule 40 PVC, 2.0-inch I.D.) — Bentonite Chips (3/4-inch) — 8-12 Colorado Silica Sand — Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) — Flat End Cap |
| 45 50 55 60 | | | Total depth = 45.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-81M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: IR 8200 (indoors) **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS261

LOGGED BY: D. Hetherington **DRILLING DATES:** 6/14/2003 - 6/14/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORIN
AS-61

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|---|
| 0 | | | Concrete (approximately 4.0-inch layer) underlain by coarse GRAVEL FILL (base course). | | | | | | Flush-Mount Monument with Slip Cap |
| 0-5 | | | Brown CLAYEY SILT with minor fine sand; dry. | | | | | | Concrete |
| 5-10 | | | Becomes moist at 10.0-11.0 feet below ground surface. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10-15 | | | Becomes wet. | | | | | | Bentonite Chips (3/4-inch) |
| 15-20 | | | | | | | | | |
| 20-25 | | | Encountered GRAVEL. | | | | | | |
| 25-30 | | | | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.25 (In)
DRILL RIG: IR 8200 (Indoors)
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: D. Hetherington

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
DRILLING DATES: 6/14/2003 - 6/14/2003

START CARD/TAG ID: R63795/AHS262
REMARKS:

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-62

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Flat End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.5 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENV/R+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: IR 8200 (Indoors) **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS262

LOGGED BY: D. Hetherington **DRILLING DATES:** 6/14/2003 - 6/14/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-62

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Coarse GRAVEL FILL. | | | | | | |
| 5 | | | Soft, medium to dark brown, fine SANDY SILT; damp. | | | | | | |
| 10 | | | Becomes stiff. | | | | | | |
| 15 | | | Becomes wet to saturated. | | | | | | |
| 20 | | | Becomes SILTY GRAVELLY SAND. | | | | | | |
| 25 | | | GRAVEL. No soil cuttings return. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | |
|--|--|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: |
| BOREHOLE DIAMETER: 8.5 (in) | GROUND SURFACE ELEVATION: |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: R63795/AHS263 |
| LOGGED BY: R. Vannier | DRILLING DATES: 6/20/2003 - 6/20/2003 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-63

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.0 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 8.5 (in)
 DRILL RIG: IR 8200 (indoors)
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: R. Vannier

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION:
 CASING ELEVATION:
 START CARD/TAG ID: R63795/AHS263
 DRILLING DATES: 6/20/2003 - 6/20/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by
 drilling character/resistance.

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND_JUNE03.GDT 12/5/03

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-63 PAGE 2 OF 2 |
|---|--|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete slab (approximately 5.0-inch, pre-cut). | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 5 | | | Red-brown SILT; dry. | | | | | | Concrete |
| 5 - 10 | | | Dark gray-brown SILTY GRAVEL to GRAVELLY SILT with some fine sand; damp. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) |
| 10 - 15 | | | | | | | | | |
| 15 - 20 | | | Medium dense, medium gray-brown, very fine to fine SAND to SILTY SAND; damp to wet. | | | | | | |
| 20 - 25 | | | Relatively smooth drilling to 20.0 feet below ground surface. Relatively smooth, slow, consistent drilling at 20.0-40.0 feet below ground surface. SILTY SAND and GRAVEL; moist to wet. Harder drilling, grinding. | | | | | | |
| 25 - 30 | | | Very hard drilling at 25.0-26.0 feet below ground surface. | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 10.25 (in)
DRILL RIG: IR 8200 (indoors)
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: C. Bartlett

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63795/AHS264
DRILLING DATES: 6/21/2003 - 6/21/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-64

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | GRAVEL. Hard drilling but advancing consistently. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Flat End Cap</p> <p>Hole Caved with Native Sand</p> |
| 35 | | | Very hard, slower drilling at 37.0-39.0 feet below ground surface. | | | | | | |
| 40 | | | Medium dense, dark gray-brown SILTY SAND, fine SAND, and GRAVEL; wet. Slow, hard, consistent drilling. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Total depth = 50.0 feet below ground surface. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REVZ 3-61M-10135-D-T4.GPJ AMEC-PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.25 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: IR 8200 (Indoors) **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63795/AHS264

LOGGED BY: C. Bartlett **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORIN
AS-64

PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Concrete slab (4.0-inch) underlain by coarse GRAVEL FILL (base course). | | | | | | Flush-Mount Monument with Locking Cap |
| | | | Soft, medium brown, fine SANDY SILT; moist. | | | | | | Concrete |
| 5 | | | Becomes medium stiff. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | | Grades to fine SILTY SAND. | | | | | | Bentonite Chips (3/8-inch) |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| | | | Becomes saturated. | | | | ▽ | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| | | | Grades to GRAVELLY SAND with some silt. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 8.75 (in)

GROUND SURFACE ELEVATION:

DRILL RIG: CME 75 Limited Access

CASING ELEVATION:

CONTRACTOR: Cascade Drilling

START CARD/TAG ID: R62205/AKS117

LOGGED BY: R. Vannier

DRILLING DATES: 6/27/2003 - 6/27/2003

REMARKS:

No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

Cadet Manufacturing

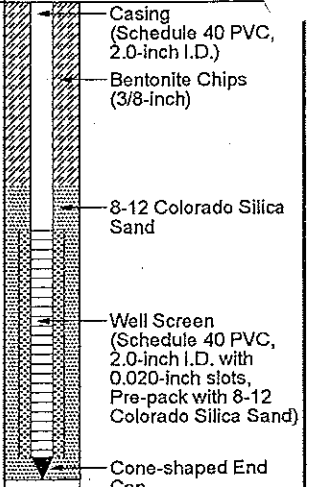
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-65

3-61M-10135-D T4

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  |
| 35 | | | Total depth = 40.5 feet below ground surface. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.75 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62205/AKS117
LOGGED BY: R. Vannier **DRILLING DATES:** 6/27/2003 - 6/27/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-65

 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Sandy crushed rock FILL (3/4-inch minus, base course). | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | ML | Medium stiff, reddish brown, oxidized CLAYEY SILT with trace very fine sand; moist. | | | | | | Concrete |
| 5-20 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 20-24.0 | | SP-SM | Grades to SAND to SILTY SAND. | | | | | | High Yield Bentonite Grout Slurry with 30% Solids, (50 lbs grout : 15 gal water, average mud weight = 10.0 lbs/gal, 60 gallons) |
| 24.0-25.0 | | | Red-brown, approximately 75% return circulation from 2.0-24.0 feet below ground surface. | | | | | | |
| 25.0-30 | | GW-SW | Very dense, gray-brown, medium to coarse, well-graded, alluvial SANDY GRAVEL to GRAVELLY SAND. Gray, approximately 40-50% return circulation from 24.0-45.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 3-81M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: 4-inch Casing Advancer
BOREHOLE DIAMETER: 5.0 (in)
DRILL RIG: Mobile B59 Track Rig
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R63797/AHT827
DRILLING DATES: 6/26/2003 - 6/26/2003

REMARKS:
 Drilled at 26 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-81M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 AS-66

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW-SW | Finer GRAVEL encountered at 37.0-40.0 feet below ground surface. | | | | | | <ul style="list-style-type: none"> → Casing (Schedule 40 PVC, 2.0-inch I.D.) → High Yield Bentonite Grout Slurry with 30% Solids, (50 lbs grout : 15 gal water, average mud weight = 10.0 lbs/gal, 60 gallons) → 20-40 Colorado Silica Sand Transition Layer → Rubber Shale Trap/Grout Barrier → Natural Formation → Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) → Cone-shaped End Cap |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 45.5 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: 4-Inch Casing Advancer **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 5.0 (In) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 Track Rig **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797/AHT827

LOGGED BY: S. Bourcy **DRILLING DATES:** 6/26/2003 - 6/26/2003

REMARKS:
 Drilled at 26 degree angle. Depths are reported along drill direction and do not represent vertical measurements. No discrete soil samples. Lithology logged by drilling character/resistance.

| | | | |
|--|---|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-66 PAGE 2 OF 2 |
|--|---|--|---|

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC-PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Concrete slab (approximately 4.0-inch) underlain by soil (1.0-inch to 2.0-inch layer) and buried concrete slab. | | | | | | <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | Encountered GRAVEL during drilling. | | | | | | |

| | | |
|---|---|--|
| <p>BORING METHOD: Hollow Stem Auger</p> <p>BOREHOLE DIAMETER: 8.0 (in)</p> <p>DRILL RIG: CME 75 Limited Access</p> <p>CONTRACTOR: Cascade Drilling</p> <p>LOGGED BY: B. Lary</p> | <p>ELEVATION REFERENCE:</p> <p>GROUND SURFACE ELEVATION:</p> <p>CASING ELEVATION:</p> <p>START CARD/TAG ID: R62204/AKS113</p> <p>DRILLING DATES: 6/21/2003 - 6/21/2003</p> | <p>REMARKS:</p> <p>No discrete soil samples collected. Lithology logged by drilling character/resistance.</p> |
|---|---|--|

| | | | |
|--|---|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING AS-67</p> <p>PAGE 1 OF 2</p> |
|--|---|--|--|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62204/AKS113
LOGGED BY: B. Lary **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC.PORLAND.JUNE03.GDT 12/5/03

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-67 PAGE 2 OF 2 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Concrete slab (approximately 4.0-inch) underlain by second concrete slab (5.0-inch to 7.0-inch) with wire mesh. | | | | | | <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**

CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62204/AKS112

LOGGED BY: B. Lary **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing

3-61M-10135-D T4

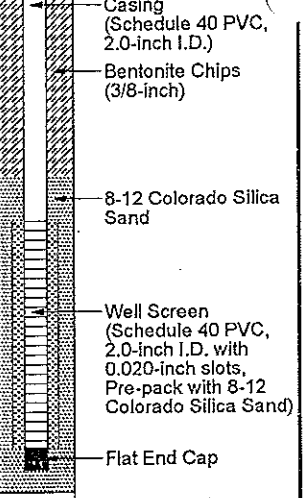
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
AS-68

PAGE 1 OF 2

ENVR+WELL BORING REV2 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | Occasional gravel. | | | | | |  <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Flat End Cap </p> |
| 35 | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (In) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62204/AKS112
LOGGED BY: B. Lary **DRILLING DATES:** 6/21/2003 - 6/21/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-68
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Concrete core (approximately 4.0-inch). | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Groundwater encountered between 15.0 and 20.0 feet below ground surface. | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | GRAVEL. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: CME 75 Limited Access
CONTRACTOR: Cascade Drilling
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R62204/AKS111
DRILLING DATES: 6/20/2003 - 6/20/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-69
 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Flat End Cap</p> |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 41.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**

CONTRACTOR: Cascade Drilling **START CARD/TAG ID:** R62204/AKS111

LOGGED BY: B. Lary **DRILLING DATES:** 6/20/2003 - 6/20/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORIN
AS-69
PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|---|
| 0 | | | Concrete (approximately 4.0-inch layer). | | | | | | <p>Flush-Mount Monument with Locking Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Groundwater encountered between 15.0 and 20.0 feet below ground surface. | | | | ▽ | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | GRAVEL encountered during drilling. | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**

CONTRACTOR: Cascade Drilling

LOGGED BY: B. Lary **DRILLING DATES:** 6/20/2003 - 6/20/2003

START CARD/TAG ID: R62204/AKS110

REMARKS:

Cadet Manufacturing

3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
AS-70

PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|--|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Flat End Cap </p> |
| 35 | | | Larger GRAVEL encountered during drilling. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

Total depth = 41.0 feet below ground surface.

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: CME 75 Limited Access **CASING ELEVATION:**
CONTRACTOR: Cascade Drilling
LOGGED BY: B. Lary **DRILLING DATES:** 6/20/2003 - 6/20/2003

START CARD/TAG ID: R62204/AKS110
REMARKS:

Cadet Manufacturing
 3-61M-10135-D T4

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORIN
AS-70
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|---------------|---------------------------------------|
| 0 | | | Concrete (3.0-inch to 4.0-inch layer). SAND. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | SAND; moist. | | | | ▽ | | |
| 25 | | | GRAVEL encountered during drilling. | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 11.0 (in)
 DRILL RIG: IR 8200 (indoors)
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION:
 CASING ELEVATION:
 DRILLING DATES: 6/7/2003 - 6/8/2003

START CARD/TAG ID: R63795/AHS265
 REMARKS:


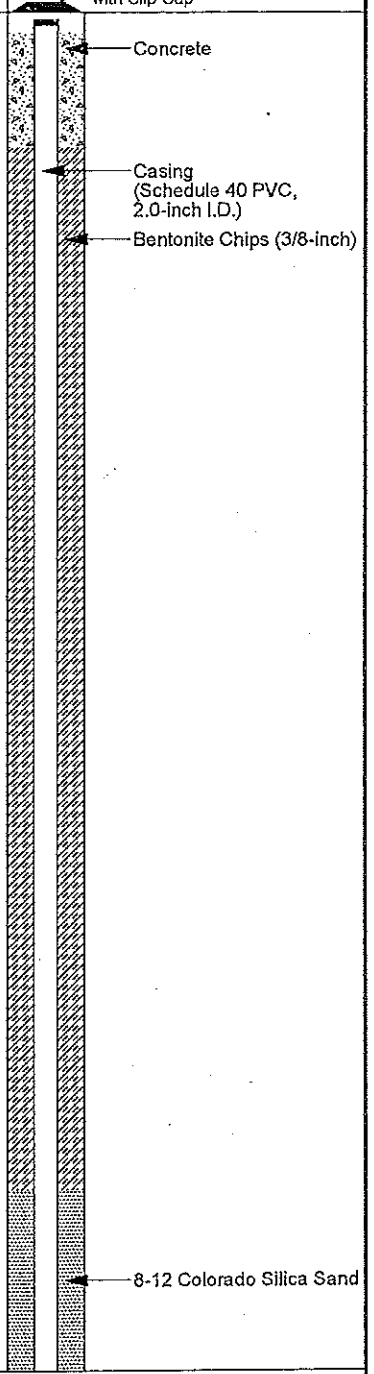
ENVYR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|---|--|--|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING AS-71 PAGE 1 OF 2 |
|---|--|--|


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|--|-------------|-------------|---|--------|--|---------------------------|-------------|---------------|---|
| 30 | | | SAND with occasional large gravel/cobbles. | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap </p> |
| | | | GRAVEL/COBBLES. | | | | | | |
| 35 | | | Large COBBLES/GRAVEL. | | | | | | |
| 40 | | | Total depth = 43.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 11.0 (in) GROUND SURFACE ELEVATION: DRILL RIG: IR 8200 (indoors) CASING ELEVATION: CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary DRILLING DATES: 6/7/2003 - 6/8/2003 | | | | | START CARD/TAG ID: R63795/AHS265 REMARKS: | | | | |

ENVR-HWELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03


| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING AS-71 PAGE 2 OF 2 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|--|
| 0 |  | | Concrete (approximately 4.0-inch layer) underlain by coarse GRAVEL FILL (base course) with concrete chunks and buried concrete pad (approximately 3.0-4.0 inches thick). | | | | | |  <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8-12 Colorado Silica Sand</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | SILT and SAND. | | | | | | |
| 25 | | | | | | | | | |
| 25 | | | GRAVEL (1.5 feet). | | | | | | |
| 30 | | | SAND. Easier drilling. GRAVELLY. | | | | | | |

| | | |
|--|---|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: IR 8200 (indoors) CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: CASING ELEVATION: DRILLING DATES: 6/6/2003 - 6/6/2003 | START CARD/TAG ID: R63795/AHS266 REMARKS: |
|--|---|--|


| | | | |
|---|--|--|---------------------------------------|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-72 PAGE 1 OF 2 |
|---|--|--|---------------------------------------|

ENVRWELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|---|
| 30 | | | | | | | | |  <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Native Material</p> <p>Flat End Cap</p> |
| 35 | | | Occasional large gravel/cobbles encountered during drilling. | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

| | | |
|-----------------------------------|-------------------------------------|----------------------------------|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | START CARD/TAG ID: R63795/AHS266 |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: | REMARKS: |
| DRILL RIG: IR 8200 (Indoors) | CASING ELEVATION: | |
| CONTRACTOR: Geo-Tech Explorations | DRILLING DATES: 6/6/2003 - 6/6/2003 | |
| LOGGED BY: B. Lary | | |

| | | | |
|---|---|--|---|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORIN AS-72</p> <p>PAGE 2 OF 2</p> |
|---|---|--|---|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|---------------|--|
| 0 | | | Concrete (4.0-inch layer) underlain by GRAVEL FILL (base course). | | | | | | <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Groundwater encountered between 15.0 and 20.0 feet below ground surface. | | | | ▽ | | |
| 20 | | | | | | | | | |
| 25 | | | GRAVEL encountered during drilling. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV1 3-61M-10135-D T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03


| | | |
|----------------------------------|---------------------------------------|----------------------------------|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | START CARD/TAG ID: R62204/AKS109 |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: | REMARKS: |
| DRILL RIG: CME 75 Limited Access | CASING ELEVATION: | |
| CONTRACTOR: Cascade Drilling | DRILLING DATES: 6/20/2003 - 6/20/2003 | |
| LOGGED BY: B. Lary | | |

| | | | |
|---|---|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING AS-73</p> <p>PAGE 1 OF 2</p> |
|---|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD TESTING | WELL SCHEMATIC AND LABORATORY DATA |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|---------------|--|
| 30 | | | | | | | | | <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Flat End Cap </p> |
| 35 | | | Larger GRAVEL. | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVIR-WELL BORING REV1 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03



| | | |
|---|--|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | START CARD/TAG ID: R62204/AKS109 |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: | REMARKS: |
| DRILL RIG: CME 75 Limited Access | CASING ELEVATION: | |
| CONTRACTOR: Cascade Drilling | DRILLING DATES: 6/20/2003 - 6/20/2003 | |
| LOGGED BY: B. Lary | | |



| | | | |
|--|---|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING AS-73 PAGE 2 OF 2 |
|--|---|--|---|

FRUIT VALLEY BORINGS

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|------------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 0 - 11 | Fine, sandy SILT. | | | | | | |
| 11 | Damp, brown, silty, fine-grained, micaceous SAND. | | FV-5/12-14 | | 0.0 | | 8260 |
| 11 - 15 | Coarser SAND. | | | | | | |
| 15 - 21 | Moist with interbedded silt layers. | | FV-5/16-18 | | 0.0 | | 8260 |
| 21 - 25 | | | | | | | |
| 25 | Collected groundwater sample FV-5/GW29 from screened interval at 25.0-29.0 feet. | | | | | WD | |
| 29 | Total depth = 29.0 feet. | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater level at time of drilling

-  Groundwater Analysis (Test Method Shown)
-  8015 8240 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington


AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/11/99






Drilling Completed: 10/11/99

Logged By: B. Lary

a:10135\FV5.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|------------|------------------------------|-------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt underlain by base course GRAVEL | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | | | | | |
| 10 | Damp, brown, sandy SILT. | | | | | | |
| 12 | Damp, brown, silty, micaceous, fine-grained SAND. | | FV-6/12-14 | | | | |
| 14 | | | FV-6/14-16 | | 0.0 | | |
| 16 | | | FV-6/16-18 | | 0.0 | | 8260 |
| 20 | | | | | | WD | 8260 |
| 25 | Collected groundwater sample FV-6/GW28 from screened interval at 24.0-28.0 feet. | | | | | | |
| 28 | Total depth = 28.0 feet. | | | | | | |

LEGEND

-  2.0-Inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater Analysis (Test Method Shown)
-  Groundwater level at time of drilling
-  8015 Soil Analysis (Test Method Shown)
-  8240

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/12/99


Drilling Completed: 10/12/99

Logged By: B. Lary


a:\10135\FV6.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|------------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt underlain by base course GRAVEL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 6 | | | | | | | |
| 10 | | | | | | | |
| 15 | Damp, brown, fine- to medium-grained, silty SAND. | | FV-7/12-14 | | | | |
| | Interbedded, sandy SILT layers. | | FV-7/14-16 | | | | |
| | Silty SAND. | | FV-7/16-18 | | 1.6 | | 8260 |
| | | | FV-7/18-20 | | | | |
| 20 | Moist, brown, medium- grained, silty, micaceous SAND grades to medium-grained, silty SAND with interbedded silts at 22.0 feet. | | FV-7/20-22 | | 2.5 | | |
| | | | FV-7/22-24 | | | | |
| 25 | Collected groundwater sample FV-7/GW29 from screened interval at 25.0-29.0 feet. | | | | | 0.0 | WD |
| 30 | Total depth = 29.0 feet. | | | | | | |

LEGEND

 2.0-Inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (Test Method Shown)

 Groundwater level at time of drilling

 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/12/99



Drilling Completed: 10/12/99



Logged By: B. Lary

a:10135\FV7.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|------------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt underlain by base course GRAVEL CAVITY. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | | | | | |
| 10 | Damp, brown, very fine-grained, silty, micaceous SAND. | | FV-8/10-12 | | 0.0 | | |
| 15 | Slightly coarser SAND near 16.0 feet. | | FV-8/12-14 | | 0.0 | | |
| 20 | Damp, dark brown, silty, medium-grained, micaceous SAND. | | FV-8/14-16 | | 0.0 | | 8260 |
| 25 | | | FV-8/16-18 | | 0.0 | | |
| 28.0 | Collected groundwater sample FV-8/GW28 from screened interval at 24.0-28.0 feet. Total depth = 28.0 feet. | | FV-8/18-20 | | 8.3 | WD | 8260 |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater level at time of drilling

-  Groundwater Analysis (Test Method Shown)
-  Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/12/99

Drilling Completed: 10/12/99

Logged By: B. Lary

E:\10135\FV8.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES |
|---------------------------------------|--|-------------------------------|------------|------------------------------------|--------------------------|--------------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water |
| 0 | Grass. | | | | | |
| 5 | Dry, brown, fine sandy SILT. | | FV9/ 4-6 | ↓ | 100 | |
| 10 | Collected vapor sample FV9/V8 in tedlar bag and summa canister. Dry to damp, brown, interbedded micaceous, fine-grained SAND with silts. | 16 | FV9/ 8-10 | ↓ | 252 | HVOCs |
| 15 | Mostly SAND. | | FV9/ 12-14 | ↓ | 221 | |
| 20 | Damp to moist, gray, medium-grained SAND with some silt. | | FV9/ 16-18 | ↓ | 106 | |
| 20 | Collected groundwater sample FV9/GW18-22 from screened interval at 18.0-22.0 feet. | | | | | WD |
| 22 | Total depth = 22.0 feet. | | | | | |
| 30 | | | | | | |

Hole was backfilled with bentonite chips which were hydrated after placement.

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: U-81M-10135-1
Cadet Manufacturing
Vancouver, Washington

Encountered groundwater level while drilling

HVOCs Soil Analysis (HVOCs by 8260)

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892


Soil Vapor Analysis (VOCs by TO-14A)

Drilling Started: 6/6/00


Drilling Completed: 6/6/00

Logged By: E. Lary


110135FV9.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-------------|------------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Grass. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | Dry to damp, brown, silty, micaceous, fine-grained SAND. | | FV10/ 4-6 | | 32 | | |
| 8 | Collected vapor sample in tedlar bag. | 8 | FV10/ 8-10 | | 81 | | |
| 10 | Dry, brown, micaceous, fine-grained SAND with some silt. | | FV10/ 12-14 | | 62 | | |
| 15 | Interbedded fine- to medium-grained SAND layers. | | FV10/ 16-18 | | 194 | | |
| 20 | Damp, gray-brown, medium-grained SAND with little silt. | | | | 106 | | |
| 20 | Collected groundwater sample FV10/GW18-22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-Inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.







7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/6/00






Drilling Completed: 6/8/00

Logged By: B. Lary

110135\FV10.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | | |
|---------------------------------------|---|-------------------------------|------------|------------------------------------|-------------------------|--|---|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
| 0 | Grass. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 6 | Collected vapor sample FV11/V4' in tedlar bag and summa canister. Damp, brown, fine, micaceous, sandy SILT with minor scattered rust spots. | 14 | FV11/4-6 | ↓ | 90 | | |   |
| 10 | Collected vapor sample FV11/V8' in tedlar bag and summa canister. Interbedded damp SILTS with sandy silts to silty sands. | 18 | FV11/8-10 | ↓ | 87 | | |  |
| 15 | Silty, very fine-grained SAND. | | FV11/12-14 | ↓ | 86 | | | |
| 20 | Damp, fine sandy SILT with rootlets. Moist in silt layer. | | FV11/16-18 | ↓ | 66 | | | |
| 20 | Collected groundwater sample FV11/GW18-22 from screened interval at 18.0-22.0 feet. | | | | |  | |  |
| | Total depth = 22.0 feet. | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling
-  Groundwater Analysis (HVOCs by 8260)
-  HVOCs Soil Analysis (HVOCs by 8260)
-  Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-1
 Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/6/00

Drilling Completed: 6/6/00

Logged By: B. Lary

110135\FV11.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Rotohammer/Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|------------------------------|------------|-------------|-------------------------|--------------|--|----------|
| 0 | Grass. | | | | | | <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 5 | Damp, brown, fine sandy SILT with organics (roots). | | FV12/4-6 | ↓ | 25 | | | |
| 10 | Collected vapor sample in tedlar bag. Slightly sandier. | 17 | FV12/8-10 | ↓ | 26 | | | HVOCs |
| 15 | Damp, dark brown, sandy SILT. | | FV12/12-14 | ↓ | 48 | | | |
| 20 | Interbedded SILTS and SANDS. | | FV12/16-18 | ↓ | 54 | | | |
| 20 | Collected groundwater sample FV12/GW18-22 from screened interval at 18.0-22.0 feet. | | | | | ▼ WD | | |
| 25 | Total depth = 22.0 feet. | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

Groundwater Analysis (HVOCs by 8260)

Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892


Drilling Started: 8/8/00

Drilling Completed: 8/8/00





Logged By: B. Lary

110135FV12.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Rotohammer/Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|------------------------------|------------|-------------|--------------------------|--------------|---|----------|
| 0 | Grass. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 5 | Too soft - no recovery. | | FV13/4-6 | NR | | | | |
| 10 | Collected vapor sample FV13/V8 in tedlar bag and summa canister. Damp, brown, silty, micaceous, fine-grained SAND. | 4.4 | FV13/8-10 | | 198 | | | |
| 15 | | | FV13/12-14 | | 235 | | | HVOCs |
| 20 | Moist, dark gray and black, medium-grained SAND with silt layers. | | FV13/18-18 | | 102 | WD | | |
| 20 | Collected groundwater sample FV13/GW18-22 from screened interval at 18.0-22.0 feet. | | | | | | | |
| 25 | Total depth = 22.0 feet. | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
- NR** No sample recovery
-  Encountered groundwater level while drilling
-  Groundwater Analysis (HVOCs by 8260)
- HVOCs** Soil Analysis (HVOCs by 8260)
-  Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-1


Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 539-3400 FAX (503) 620-7892

Drilling Started: 8/8/00 Drilling Completed: 8/8/00 Logged By: B. Lary 10135FV13.DRW


GB & C BORINGS - WELLS

ENV. DIRECT PUSH BORING 10135GP 1898.GPJ ENVIRONMENTAL BORING.GDT 2/9/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-1 |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|---------------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | SM | Loose, medium yellow-brown, silty, fine-grained SAND; moist. | | 1.3 | | | | GP1-120 pH |
| 5 | | | Loose to medium dense, medium brown, silty, fine-grained SAND with some clay; moist to wet. Small wet layer of fine-grained SAND at 6.0 feet. | | 0.1 | | | | |
| 10 | | | Loose to medium dense, medium brown, silty, fine-grained SAND; moist to wet. Interval has layers of dryer silty sand and wetter layers of mostly sand. | | 2.0 | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement and capped with asphalt. | | | | | | GP1-120 B2805 for HVOcs & pH |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-1 PAGE 1 OF 1 | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-2 | |
|--|---|-------------|---|----------|------------------------|---------------|-------------|----------------------|-----------------------------|---------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Loose, medium yellow-brown, silty, fine-grained SAND; damp. | | 6.1 | | | | | GP2-8-12 HVOCs by #260 |
| 5 | | | Loose, medium brown, fine- to medium-grained SAND; damp. | | 9.4 | | | | | |
| 10 | | | Loose to dense, medium brown, fine- to medium-grained SAND and fine-grained SAND with silt; wet. Distinct layers with fine- to medium-grained sand (up to 6.0 inches) and fine-grained sand (up to 1.0-2.0 feet). | | 29 | | | | | |
| 15 | | | Loose to dense, medium brown, fine- to medium-grained SAND; wet. Interval of fine-grained SAND (last 4.0 inches). | | 15 | | | | | |
| 20 | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement and capped with asphalt. | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.5 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | | REMARKS: | | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | GP-2 PAGE 1 OF 1 | | |

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-3 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Loose to dense, medium brown, silty, fine-grained SAND with trace clay; damp. | | | | | | | |
| 5 | | | Loose to medium dense, medium brown, fine-grained SAND with some silt; damp. Percent of silt is variable throughout interval. | | 21 | | | | | |
| 10 | | | Medium brown, fine-grained SAND with some silt; damp to moist. | | 23 | | | | | |
| 15 | | | Medium brown, fine- to medium-grained SAND; wet. Finer towards bottom of interval. | | 21 | | | | | |
| 20 | | | | | 48 | | | | | □ GP3@12-18 HVOCs by 8260 & NVTPH-HCID |
| 25 | | | | | | | | | | △ GP3-H2O 8260B for HVOCs, NVTPH-HCID, PAHs by 8270 |
| 30 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement. | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-3 | | |
| PAGE 1 OF 1 | | | | | | | | | | |

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-4 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Medium stiff to very stiff, medium brown, fine, sandy SILT with trace clay; damp. | | 11 | | | | | |
| 5 | | SM | Loose to medium dense, medium brown, fine-grained SAND and fine-grained SAND with some silt layering; damp. | | 2.6 | | | | | |
| 10 | | | Loose, medium brown, fine- to medium-grained SAND; moist to wet. | | 6.7 | | | | | |
| 15 | | | Loose to very dense, medium gray-brown, fine-grained SAND; wet. Interval 15.0-16.0 feet of fine- to medium-grained SAND. | | 6.3 | | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement. | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Purged 1/2 quart of water during groundwater sample collection. Boring is dry. | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-4 PAGE 1 OF 1 | | |

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/6/03

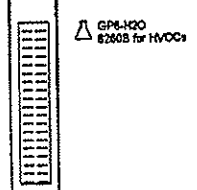
GP4-H2O
E2608 for MVOCs

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-5 | |
|-------------------------------|-------------|-------------|---|--------|------------------------|---------------|-------------|----------------------|-----------------------------|---------------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Medium dense to very dense, medium brown, fine-grained SAND with some silt; damp. | | 3.8 | | | | | GPS-120 82808 for HVOCs & pH |
| 5 | | | Medium dense, medium brown, fine-grained SAND to fine-grained, silty SAND; damp. | | 2.2 | | | | | |
| 10 | | | Medium dense, medium brown, fine-grained SAND with some silt; damp to wet. | | 2.9 | | | | | |
| 15 | | | Medium dense to very dense, medium brown, fine- to medium-grained SAND with trace silt; wet. | | 4.3 | | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement and capped with asphalt. | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.5 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: MLP | | | | | | | | | | |
| DRILLING STARTED: 3/10/1999 | | | | | | | | | | |
| DRILLING COMPLETED: 3/10/1999 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | | | | GP-5 | | |
| 9-61M-10135-0 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |

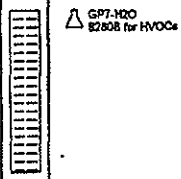
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-6 | |
|---|-------------|-------------|---|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Medium dense to very dense, medium brown, silty, fine-grained SAND; damp. | | 0.0 | | | | | |
| 5 | | | Medium dense to dense, medium brown, silty, fine-grained SAND; damp. | | 0.0 | | | | | |
| 10 | | | Medium dense, medium brown, silty, fine-grained SAND; moist to wet. | | 0.0 | | | | | |
| 15 | | | Medium dense, medium brown, fine- to medium-grained SAND; wet. | | 0.0 | | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement and capped with asphalt. | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | | |
| Cadet Manufacturing 9-81M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-6 PAGE 1 OF 1 | | |


ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/8/03




| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-7 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|---------------|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Medium dense to very dense, medium brown, fine-grained, SAND with some silt; damp. | | 0.0 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.5 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: MLP | | | | | | | | | | |
| DRILLING STARTED: 3/10/1999 | | | | | | | | | | |
| DRILLING COMPLETED: 3/10/1999 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | | | | | | |
| 9-61M-10135-0 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |
| | | | | | | GP-7 | | | | |
| | | | | | | PAGE 1 OF 1 | | | | |

ENV. DIRECT PUSH BORING 10135GP-1899.GPJ ENVIRONMENTAL BORING GDT 2/8/03







| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-8 | | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|--|-------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | ML | Very stiff, medium yellow-brown SILT with some fine-grained sand and clay; damp. Slight odor and gray discoloration. | | | | | | ☒ PGHQ-2 MWTPH-CID | | |
| 0.5 | | | Same as above but no apparent odor or discoloration. | | 4.3 | | | | | | |
| 1.0 | | | | | 0.0 | | | | | | |
| 5 | | SM | Dense to medium dense, medium brown, silty, fine-grained SAND; moist to wet. | | | | | | | | |
| 5.5 | | | | | 0.0 | | | | | | |
| 10 | | ML | Stiff, medium brown, fine, sandy SILT; moist to wet. | | | | | | | | |
| 10.5 | | | | | 0.0 | | | | | | |
| 15 | | SM | Dense, medium brown to gray-brown, fine- to medium-grained SAND; wet. | | | | | | | | |
| 15.5 | | | | | 0.0 | | | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement and capped with concrete. | | | | | | △ GP8-H2O 6269 for MVOCs, MWTPH-CID, MWTPH-Dx, PAHs by IZ70 | | |
| 20.5 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-8 | | PAGE 1 OF 1 | |

ENV. DIRECT PUSH BORING 10135GP. 1999.GPJ ENVIRONMENTAL BORING.GDT. 2/8/03

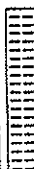
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-9 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Soft, medium brown, fine, sandy SILT to loose, silty, fine-grained SAND; moist. | | 0.0 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.5 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: MLP | | | | | | | | | | |
| DRILLING STARTED: 3/10/1999 | | | | | | | | | | |
| DRILLING COMPLETED: 3/10/1999 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | GP-9 | |
| 9-61M-10135-0 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |
| PAGE 1 OF 1 | | | | | | | | | | |


ENV. DIRECT PUSH BORING 10135GP 1899.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

△ GFA-H2O
82608 for HVOCS

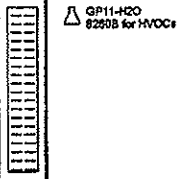
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-10 | |
|---|-------------|-------------|--|---|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Stiff, medium yellow-brown SILT with some fine-grained sand; damp. |  | 0.0 | | | | | |
| 5 | | SM | Dense, medium brown, fine-grained SAND with some medium-grained sand and some silt; damp to moist. |  | | | | | | |
| 10 | | | Dense, medium to dark brown, fine- to medium-grained SAND; wet. |  | 0.0 | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-10 PAGE 1 OF 1 | | |



ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2803

 GP10-H2O
82603 for HVOcs


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-11 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Stiff, medium brown, fine-grained, sandy SILT; damp. | | 0.0 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/10/1999 DRILLING COMPLETED: 3/10/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | | GP-11 PAGE 1 OF 1 | |


ENV DIRECT PUSH BORING 10135GP 1868.GPJ ENVIRONMENTAL BORING.GDT 2/8/03



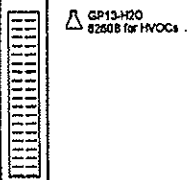
| DEPTH (ft. (pgs)) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-12 | |
|-------------------------------|-------------|-------------|--|---|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Very stiff, medium yellow-brown, fine, sandy SILT; dry to damp. |  | 0.2 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.5 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: MLP | | | | | | | | | | |
| DRILLING STARTED: 3/11/1999 | | | | | | | | | | |
| DRILLING COMPLETED: 3/11/1999 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | | |
| 9-61M-10135-0 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |
| | | | | | | GP-12 | | | | |
| | | | | | | PAGE 1 OF 1 | | | | |

ENV. DIRECT PUSH BORING 10135GP 18688.GPJ ENVIRONMENTAL BORING.GDT 2/6/03

 GP12-H2O
82608 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-13 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Soft, medium yellow-brown, fine, sandy SILT to dense, silty, fine-grained SAND; damp. | | 0.1 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/11/1999 DRILLING COMPLETED: 3/11/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-13 PAGE 1 OF 1 | | |



ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/8/03



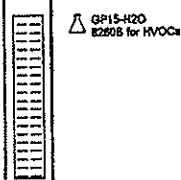
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-14 | |
|---|-------------|-------------|--|--------|------------------------|---------------|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Soft, medium brown SILT with some fine-grained sand; damp to moist. | | 0.1 | | | | | |
| 3.5 | | | One large chunk of wood noted at approximately 3.5 feet. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 20.0 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement. | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/11/1999 DRILLING COMPLETED: 3/11/1999 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | GP-14 PAGE 1 OF 1 | | |

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDI 2/6/03

GP14-RD
42605 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-15 | |
|--------------------------------------|-------------|-------------|--|---|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Soft, medium red-brown, fine, sandy SILT; damp. |  | 0.1 | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.5 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: MLP | | | | | | | | | | |
| DRILLING STARTED: 3/11/1999 | | | | | | | | | | |
| DRILLING COMPLETED: 3/11/1999 | | | | | | | | | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-15 PAGE 1 OF 1 | | |

ENV. DIRECT PUSH BORING 10135GP 1998.GPJ ENVIRONMENTAL BORING.GDT 2/8/03



Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement.

| DEPTH (ft logs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-16 | |
|---|-------------|-------------|--|--------|------------------------|---|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | Dense, medium brown, fine-grained SAND with some silt; damp. | | 0.0 | | | | | |
| 20 | | | Total depth = 20.0 feet below ground surface. Boring was backfilled with bentonite chips which were hydrated after placement. | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: MLP DRILLING STARTED: 3/11/1999 DRILLING COMPLETED: 3/11/1999 | | | | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | |
| Cadet Manufacturing 9-61M-10135-0 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | GP-16 PAGE 1 OF 1 | |

ENV DIRECT PUSH BORING 10135GP 1999.GPJ ENVIRONMENTAL BORING.GDT 2/9/03

GP16-H2O
82598 for HVOCs

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|--|-------------------------------|-------------|------------------------------|-------------------------|--------------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water |
| 0 | Asphalt over base course gravel FILL. | | | | | |
| | Damp, medium brown, silty, fine-grained SAND grading to fine- to medium-grained SAND in last 4.0 inches. | | GP17/ 3-4 | | 72 | |
| 5 | Interbedded SILTS and SAND. | | | | | |
| | Collected vapor sample in tedlar bag. Medium-grained SAND last 10.0-12.0 inches. | 58 | GP17/ 7-8 | | 193 | |
| 10 | | | | | | |
| | Moist to wet, dark brown, medium- to fine-grained SAND with silt. | | GP17/ 11-12 | | 135 | |
| 15 | | | | | | |
| | Saturated, brown and gray, medium-grained SAND with some silt. Collected groundwater sample GP17/GW16-20 from screened interval at 16.0-20.0 feet. | | GP17/ 15-16 | | 28 | |
| 20 | | | | | | |
| | Total depth = 20.0 feet. | | GP17/ 19-20 | | 414 | |
| 25 | | | | | | |
| 30 | | | | | | |

Hole was backfilled with bentonite chips which were hydrated after placement.

HVOCs:

2

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level, WD while drilling

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/5/00


Drilling Completed: 6/6/00


Logged By: B. Lary


110135GP17.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | | |
|---------------------------------------|--|-------------------------------|------------|------------------------------|--------------------------|--------------|--|-------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | Asphalt over base course gravel FILL. | | | | | |  | |
| 0-5 | Dry, brown, silty, micaceous, fine-grained SAND or sandy SILT. | | GP18/3-4 | | 200 | | | HVOCs |
| 5-10 | Damp, gray-brown, silty, fine-grained SAND. Collected vapor sample in tedlar bag. | 36 | GP18/7-8 | | 79 | | | |
| 10-15 | Damp, gray-brown, interbedded micaceous, fine-grained SAND with silt layers. | | GP18/11-12 | | 101 | | | |
| 15-20 | Damp to moist, brown to gray, fine- to medium-grained SAND with silt and SILT layers. Collected groundwater sample GP18/GW16-20 from screened interval at 16.0-20.0 feet. | | GP18/15-16 | | 36 | WD | | |
| 20 | Total depth = 20.0 feet. | | | | | | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/5/00

Drilling Completed: 6/5/00

Logged By: B. Lary

110135/GP18.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|------------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Dry, brown, sandy gravel FILL. | | | | 24 | | |
| 5 | Damp to moist, brown, interbedded SILT and silty, micaceous, fine-grained SAND. | | | | | | HVOCs |
| | Collected vapor sample in tedlar bag. | 5.5 | GP19/7-8 | | 22 | | |
| | 1.0-inch layer of black, sandy GRAVEL. | | | | | | |
| 10 | Rootlet. | | | | | | |
| | | | GP19/11-12 | | 7.5 | | |
| 15 | Moist, gray-brown, micaceous, medium-grained SAND. | | | | | | |
| | | | GP19/15-16 | | 25 | | |
| | | | | | | WD | |
| 20 | Collected groundwater sample GP19/GW16-20 from screened interval at 16.0-20.0 feet. | | | | | | |
| | Total depth = 20.0 feet. | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level; WD while drilling

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892


Drilling Started: 6/5/00

Drilling Completed: 6/5/00


Logged By: B. Lary

10136GP19.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|------------------------------|-------------|-------------|-------------------------|--------------|--|----------|
| 0 | Asphalt. Dry, brown and black, sandy gravel FILL and asphalt. | | | | | |  | |
| 5 | Moist, brown, interbedded sandy SILT and silty, micaceous SAND. | | GP20/ 4-5 | | | | | |
| 6.5 | Collected vapor sample in tedlar bag. | 6.5 | GP20/ 7-8 | | 31 | | | HVOCs |
| 10 | Moist to wet at 11.0 feet. | | GP20/ 11-12 | | 17 | | | |
| 15 | 1.0-inch layer of brown and black, sandy GRAVEL. Interbedded moist and wet, brown, silty SANDS and sandy SILTS. | | GP20/ 15-16 | | 23 | | | |
| 20 | Collected groundwater sample GP20/GW16-20 from screened interval at 16.0-20.0 feet. Total depth = 20.0 feet. | | | | | WD | | |

LEGEND

 2.0-Inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
 WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/5/00


Drilling Completed: 6/5/00


Logged By: B. Lary

110135/GP20.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-------------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt over base course gravel FILL. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 0-5 | Damp, brown, fine sandy SILT. | | GP21/ 3-4 | | 60 | | |
| 5-10 | Damp, brown, interbedded sandy SILT with silty, micaceous, fine-grained SAND. Collected vapor sample in tedlar bag. | 60 | GP21/ 7-8 | | 43 | | |
| 10 | 1.0-inch layer of brown and black, sandy GRAVEL. | | GP21/ 11-12 | | 29 | | |
| 10-16 | Damp, brown, silty, micaceous, fine-grained SAND. | | GP21/ 15-16 | | 16 | | |
| 16-20 | Slightly coarser SAND. | | | | | | |
| 20 | Collected groundwater sample GP21/GW16-20 from screened interval at 16.0-20.0 feet. | | | | | WD | |
| 20-30 | Total depth = 20.0 feet. | | | | | | |


LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

 Encountered groundwater level WD while drilling

 Soil Analysis (HVOCs by 8280)

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

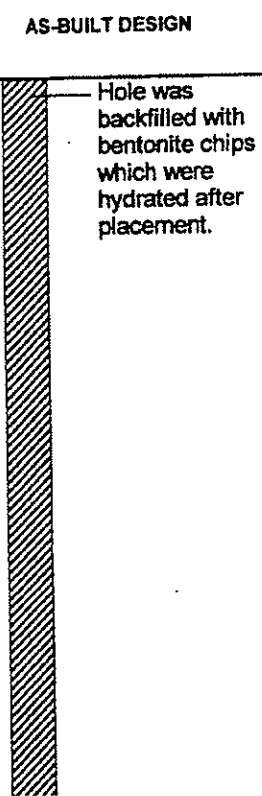
Drilling Started: 6/5/00

Drilling Completed: 6/5/00

Logged By: B. Lary

110139GP21.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-------------|------------------------------|-------------------------|--------------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water |
| 0 | Asphalt over dry, brown, base course gravel FILL. | | | | | |
| | Dry, brown, micaceous, fine sandy SILT. | | GP22/ 3-4 | | 50 | |
| 5 | Interbedded SAND and SILT. | | | | | |
| | Collected vapor sample in tedlar bag. | 33 | GP22/ 7-8 | | 34 | |
| 10 | 1.0-inch layer of black and brown, sandy GRAVEL. | | | | | |
| | Slightly coarser SAND. | | GP22/ 11-12 | | 27 | |
| 15 | Moist. | | GP22/ 15-16 | | 11 | |



HVOCs.

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface and vegetation. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium brown SILT with organics. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP24/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | WD | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level while drilling
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01 Drilling Completed: 3/15/01 Logged By: J. Menken 110135/GP24.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface and vegetation. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown SILT. | | | | 0.0 | | |
| 10 | SILT grading to SAND at bottom. | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP25/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level WD while drilling

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

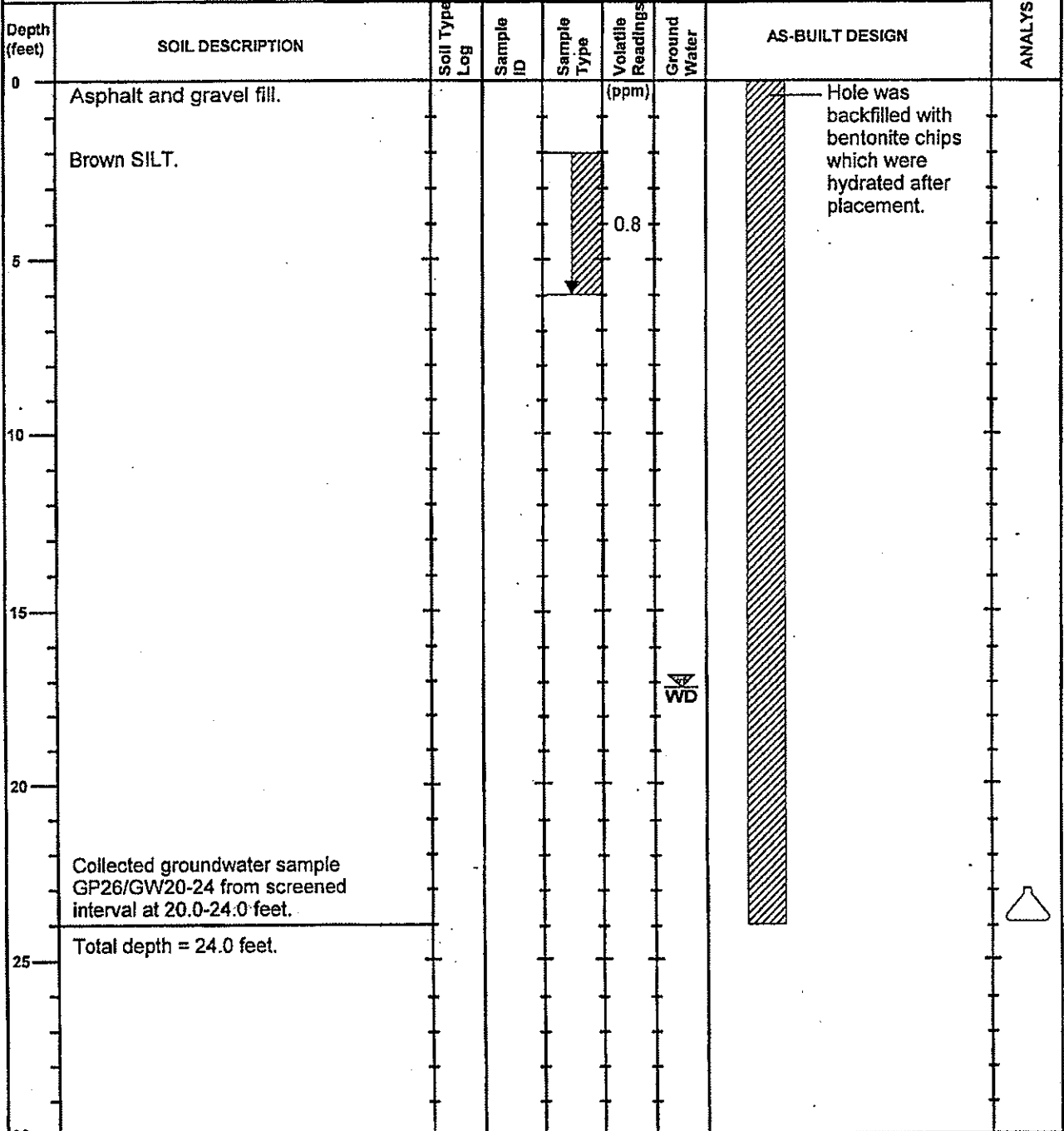
Drilling Started: 3/14/01

Drilling Completed: 3/14/01

Logged By: J. Menken

110135GP25.DRW

| | | |
|---------------------------------------|-------------------------------|------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Geoprobe |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (in.): 2.0 |



LEGEND

- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level
- WD while drilling
- HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
 Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: J. Menken


110135GP26.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Concrete. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | Brown, sandy SILT. SAND. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | WD | |
| 20 | | | | | | | |
| 25 | Collected groundwater sample GP27/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

 Encountered groundwater level while drilling

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01



Drilling Completed: 3/14/01



Logged By: J. Menken

110135/GP27.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel and vegetation at surface. | | | | | |  |
| 5 | Brown, slightly micaceous SILT. SAND. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP28/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

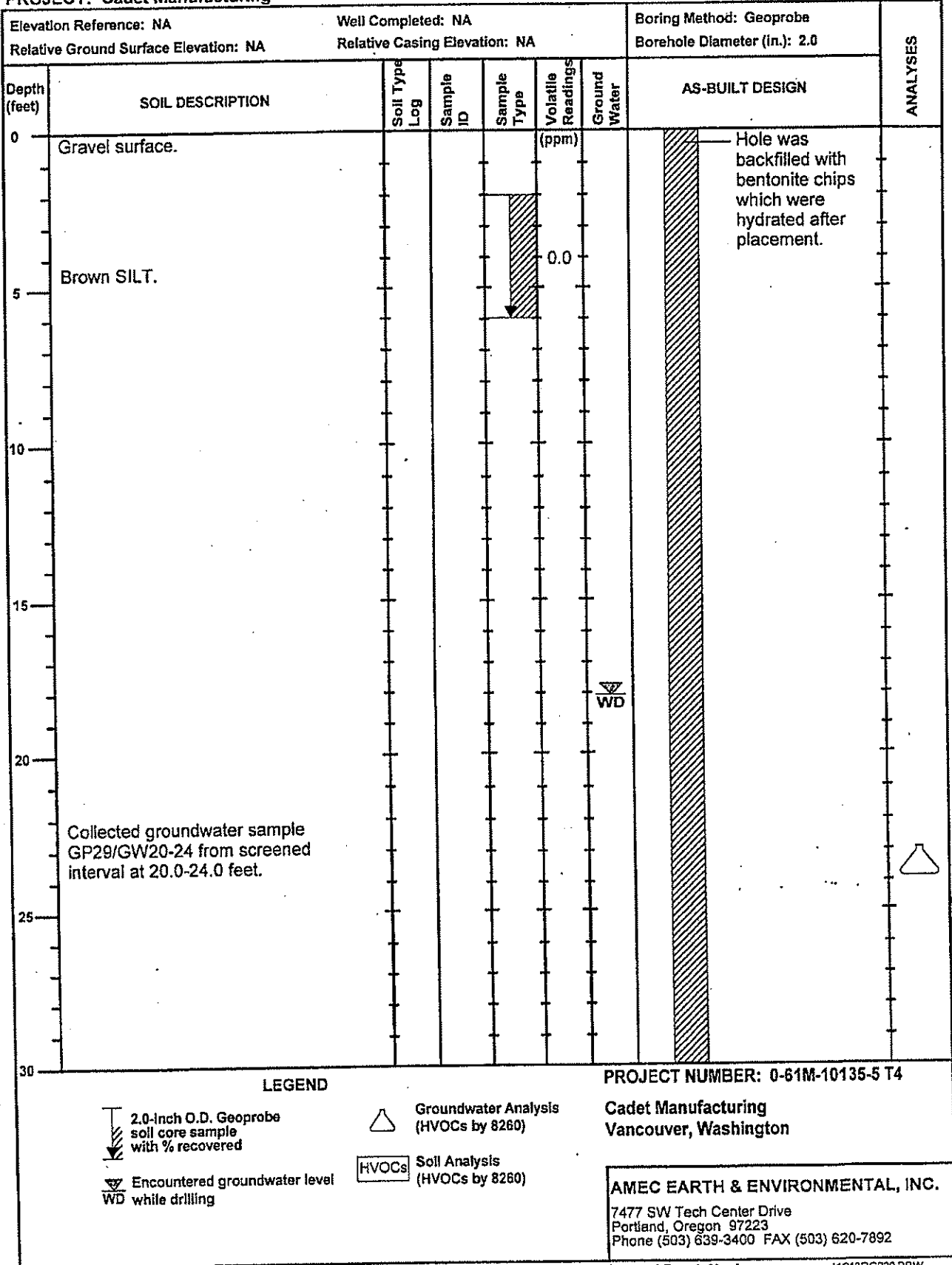
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 638-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: J. Menken

M0135GP28.DRW



LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.







7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01


Logged By: J. Menken


110135GP29.DRW


| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES | |
|---|---|-------------------------------|-----------|---|-------------------------|------------------------------|---|---|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 30 | | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | Collected groundwater sample GP29/GW40-44 from screened interval at 40.0-44.0 feet. Total depth = 44.0 feet. | | | | | | |  | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| LEGEND  2.0-inch O.D. Geoprobe soil core sample with % recovered  Encountered groundwater level WD while drilling  Groundwater Analysis (HVOCs by 8260)  Soil Analysis (HVOCs by 8260) | | | | PROJECT NUMBER: 0-61M-10135-5 T4 Cadet Manufacturing Vancouver, Washington | | | | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 539-3400 FAX (503) 620-7892 | |
| Drilling Started: 3/15/01 | | Drilling Completed: 3/15/01 | | Logged By: J. Manken | | 110135/GP29/G2.DRW | | | |

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown with gray staining in upper 2.0 inches, medium-grained, silty SAND. | | | | 0.0 | | |
| 10 | | | | | 0.0 | | |
| 15 | | | | | | WD | |
| 20 | | | | | | | |
| 25 | Collected groundwater sample GP30/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: J. Menken

110135GP30.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | SILT grading into SAND. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP31/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)
- Encountered groundwater level WD while drilling

PROJECT NUMBER: 0-81M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington



AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: J. Menken


W0135GP31.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 35 | | | | | | | |
| 40 | Collected groundwater sample GP31/GW40-44 from screened interval at 40.0-44.0 feet. | | | | | |  |
| 45 | Total depth = 44.0 feet. | | | | | | |
| 50 | | | | | | | |
| 55 | | | | | | | |
| 60 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

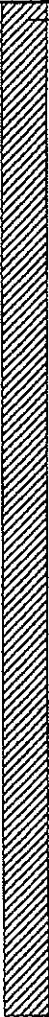

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01





Drilling Completed: 3/14/01

Logged By: J. Menken

110135GP31PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP32/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | |  |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

| | | | |
|---|--|---|--------------------------------------|
|  | 2.0-inch O.D. Geoprobe soil core sample with % recovered |  | Groundwater Analysis (HVOCs by 8260) |
|  | Encountered groundwater level WD while drilling |  | Soil Analysis (HVOCs by 8260) |

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

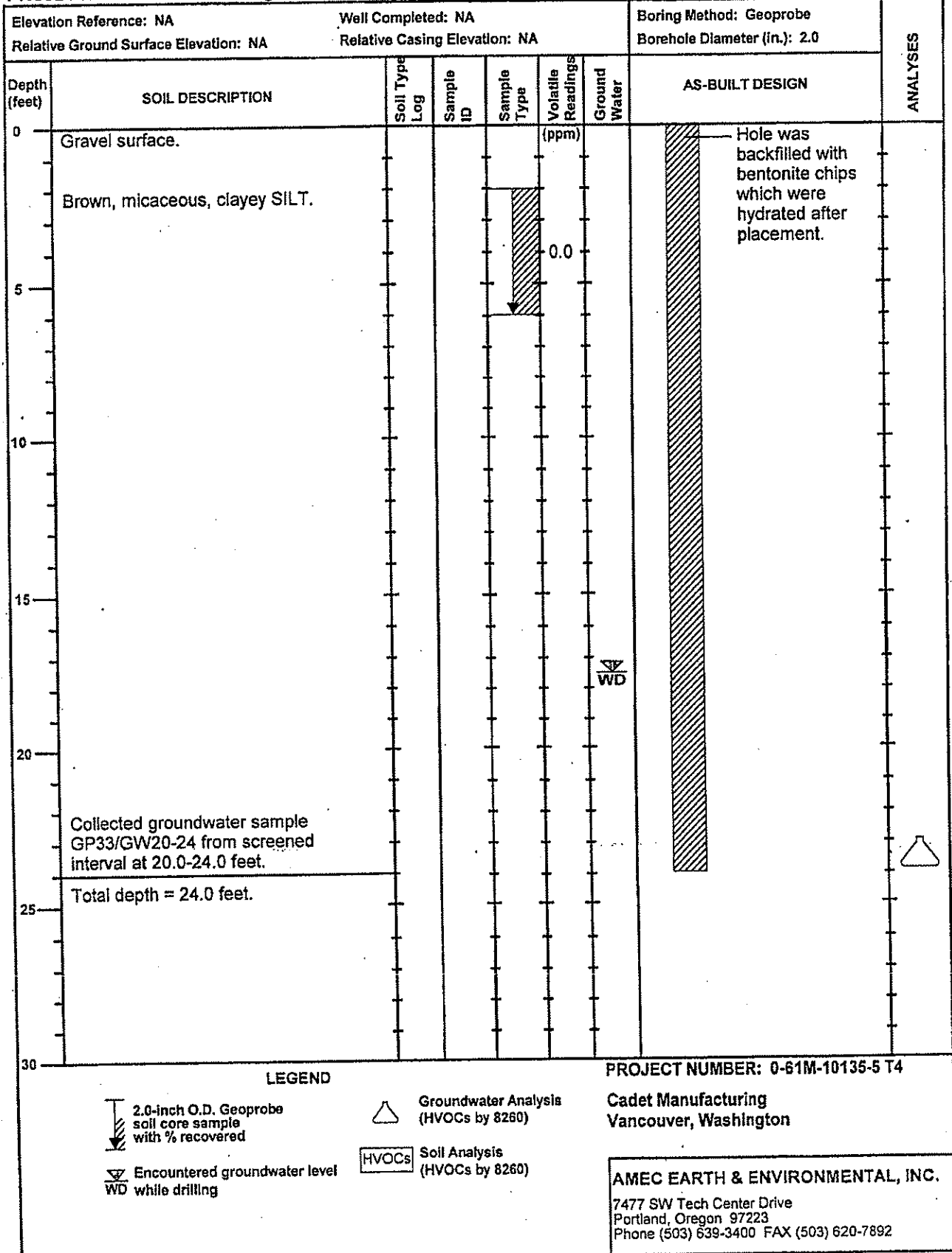
AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01

Drilling Completed: 3/14/01

Logged By: J. Menken

10135GP32.DRW



LEGEND

- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Encountered groundwater level WD while drilling
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)





PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01 Drilling Completed: 3/14/01 Logged By: J. Menken 10135/GP33.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, clayey SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP34/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

| | | | |
|---|--|---|--------------------------------------|
| LEGEND | | PROJECT NUMBER: 0-61M-10135-5 T4 | |
|  | 2.0-inch O.D. Geoprobe soil core sample with % recovered |  | Groundwater Analysis (HVOCs by 8260) |
|  | Encountered groundwater level WD while drilling |  | HVOCs Soil Analysis (HVOCs by 8260) |
| | | Cadet Manufacturing Vancouver, Washington | |
| | | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 | |

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: J. Menken


V10135/GP34.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, slightly micaceous, clayey SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | WD | |
| 20 | | | | | | | |
| 25 | Collected groundwater sample GP35/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

 Encountered groundwater level while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01





Drilling Completed: 3/14/01

Logged By: J. Menken

110135/GP35.DRW

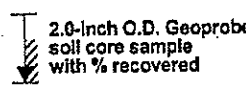
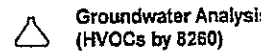
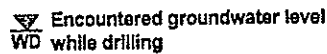

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|---|----------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (In.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 35 | | | | | | | | |
| 40 | Collected groundwater sample GP35/GW40-44 from screened interval at 40.0-44.0 feet. | | | | | | | |
| 45 | Total depth = 44.0 feet. | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

| | | |
|--|--|--|
|  2.0-inch O.D. Geoprobe soil core sample with % recovered |  Groundwater Analysis (HVOCs by 8260) | PROJECT NUMBER: 0-61M-10135-5 T4 Cadet Manufacturing Vancouver, Washington |
|  Encountered groundwater level while drilling |  Soil Analysis (HVOCs by 8260) | |

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01 Drilling Completed: 3/14/01 Logged By: J. Menken 110135/GP35PG2 DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---|--|---|-----------|---|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown SILT with low plasticity. | | | | 0.4 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP36/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |
| LEGEND | | | | PROJECT NUMBER: 0-61M-10135-5 T4 | | | |
|  2.0-inch O.D. Geoprobe soil core sample with % recovered | |  Groundwater Analysis (HVOCs by 8260) | | Cadet Manufacturing Vancouver, Washington | | | |
|  Encountered groundwater level WD while drilling | |  HVOCs Soil Analysis (HVOCs by 8260) | | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 | | | |

Drilling Started: 3/14/01

Drilling Completed: 3/14/01

Logged By: K. Finucane

110135/GP36.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown SILT with low plasticity. | | | | 1.5 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP37/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND



- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level WD while drilling
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4


Cadet Manufacturing
Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892


Drilling Started: 3/14/01 Drilling Completed: 3/14/01 Logged By: K. Finucane 110135/GP37.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 35 | | | | | | | |
| 40 | <p>Collected groundwater sample GP37/GW40 from screened interval at 36.0-40.0 feet in separate boring within approximately 1.0 foot of boring GP37.</p> <p>Total depth = 40.0 feet.</p> | | | | | |  |
| 45 | | | | | | | |
| 50 | | | | | | | |
| 55 | | | | | | | |
| 60 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01

Drilling Completed: 3/14/01

Logged By: K. Finucane

10135GP37PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 6.0-inch layer of concrete. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 0 - 24.0 | Brown, sandy SILT. | | | | | | |
| 20.0 - 24.0 | Collected groundwater sample GP38/GW20-24 and duplicate from screened interval at 20.0-24.0 feet. | | | | | | |
| 24.0 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

Encountered groundwater level WD while drilling

HVOCs Soil Analysis (HVOCs by 8260)

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: J. Menken


V0135/GP38.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, micaceous SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | WD | |
| 20 | Collected groundwater sample GP39/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892



Drilling Started: 3/15/01

Drilling Completed: 3/15/01





Logged By: J. Menken

110135IGP39.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-----------|-------------|-------------------------|--------------|--|---|
| | | | | | | | | |
| 0 | Gravel surface. | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 5 | Brown, micaceous SILT. | | | | 0.0 | | | |
| 10 | | | | | | | | |
| 15 | | | | | | WD | | |
| 20 | | | | | | | | |
| 25 | Collected groundwater sample GP40/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |  |
| 25 | Total depth = 24.0 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
 Vancouver, Washington





AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: J. Menken

110135/GP40.DRW



| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|--|---|-------------------------------|-----------|--|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Stains on gravel surface near furnace area. Brown SILT. | | | | 0.0 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP41/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |
| <p>LEGEND</p> <p> 2.0-inch O.D. Geoprobe soil core sample with % recovered</p> <p> Encountered groundwater level WD while drilling</p> <p> Groundwater Analysis (HVOCs by 8260)</p> <p> Soil Analysis (HVOCs by 8260)</p> | | | | <p>PROJECT NUMBER: 0-61M-10135-5 T4</p> <p>Cadet Manufacturing Vancouver, Washington</p> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> | | | |





Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: J. Menken

V0135/GP41.DRW


| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|--------------------------|------------------------------|---|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (In.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 35 | | | | | | | | |
| 40 | | | | | | | | |
| 45 | Collected groundwater sample GP41/GW40-44 from screened interval at 40.0-44.0 feet. Total depth = 44.0 feet. | | | | | | |  |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |


| | | | |
|--|--|---|--|
| LEGEND | | PROJECT NUMBER: 0-61M-10135-5 T4 | |
|  2.0-inch O.D. Geoprobe soil core sample with % recovered |  Groundwater Analysis (HVOCs by 8260) | Cadet Manufacturing Vancouver, Washington | |
|  Encountered groundwater level while drilling |  Soil Analysis (HVOCs by 8260) | | |
| | | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 | |

Drilling Started: 3/15/01 Drilling Completed: 3/15/01 Logged By: J. Menken V0135/GP41PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, moist, medium brown, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP42/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |


LEGEND


 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

 Encountered groundwater level WD while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01





Drilling Completed: 3/15/01

Logged By: K. Finucane

V0135GP42.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown SILT with low plasticity. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP43/GW22 from screened interval at 18.0-22.0 feet. | | | | | | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)
-  Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: K. Finucane

110135GP43.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown SILT with low plasticity. Organics (wood) at 4.0 feet. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP44/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

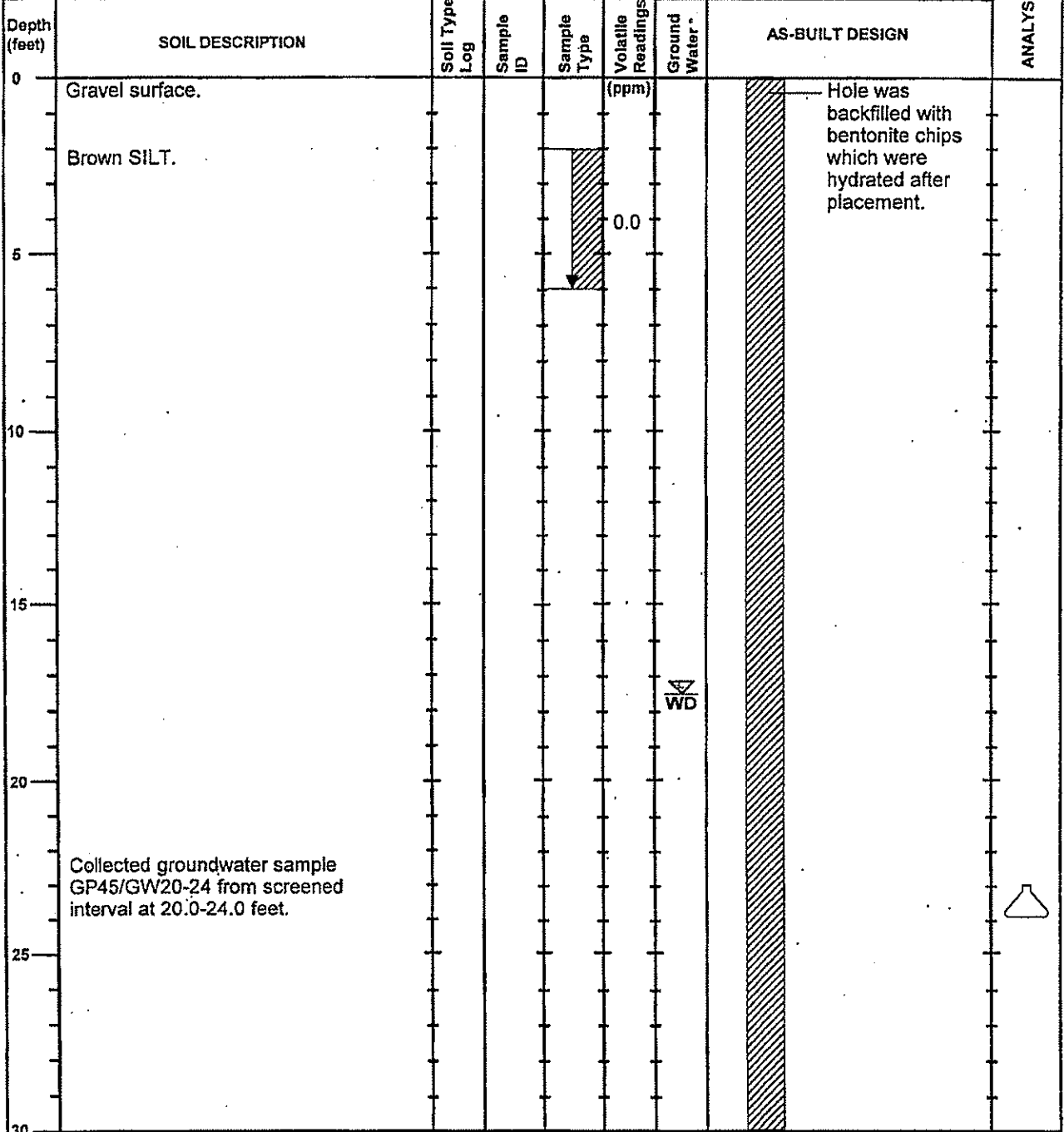
Drilling Started: 3/14/01





Drilling Completed: 3/14/01



Logged By: K. Finucane

110135/GP44 DRW



| | | |
|---------------------------------------|-------------------------------|------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Geoprobe |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (in.): 2.0 |





| | | |
|---|---|---|
| LEGEND | | PROJECT NUMBER: 0-61M-10135-5 T4 |
|  2.0-inch O.D. Geoprobe soil core sample with % recovered  Encountered groundwater level WD while drilling |  Groundwater Analysis (HVOCs by 8260)  Soil Analysis (HVOCs by 8260) | Cadet Manufacturing Vancouver, Washington AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 |
| Drilling Started: 3/15/01 | Drilling Completed: 3/15/01 | Logged By: J. Menken 110135GP45.DRW |

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 35 | | | | | | | |
| 40 | Collected groundwater sample GP45/GW40-44 from screened interval at 40.0-44.0 feet. | | | | | |  |
| 45 | Total depth = 44.0 feet. | | | | | | |
| 50 | | | | | | | |
| 55 | | | | | | | |
| 60 | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: J. Menken


110135GP45PG2.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, slightly micaceous SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP46/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: J. Menken


110135GP46.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, moist, medium brown, sandy SILT. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP47/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: K. Finucane

10135GP47.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, very fine-grained, sandy SILT. | | | | 1.5 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP48/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

 Encountered groundwater level while drilling

 Soil Analysis (HVOCs by 8260)

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01





Drilling Completed: 3/16/01

Logged By: J. Menken

110135/GP48.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown SILT grading to sandy SILT at 5.0-6.0 feet. | | | | 1.2 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP49/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level WD while drilling
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01


Drilling Completed: 3/16/01


Logged By: J. Menken

10135/GP49.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, micaceous, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP50/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

 Encountered groundwater level WD while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01

Logged By: J. Menken


110135/GP50.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Soft, damp, medium brown, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP51/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: K. Finucane

110135/GP51.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Soft, damp, medium brown, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP52/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |


LEGEND


 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

 Encountered groundwater level WD while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01



Drilling Completed: 3/14/01



Logged By: K. Finucane

110135GP52.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Very soft/very loose, medium brown, sandy SILT/silty SAND. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP53/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01

Logged By: K. Finucane

110135/GP53.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | Loose, damp, medium brown, fine-grained, silty SAND. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP54/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

 Encountered groundwater level WD while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: K. Finucane


110135/GP54.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Soft, medium brown, sandy SILT. | | | | 0.6 | | |
| 20 | Collected groundwater sample GP55/GW22 from screened interval at 18.0-22.0 feet. | | | | | | |
| | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: K. Finucane

10135/GP55.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Loose, damp, medium brown, silty SAND. | | | | 0.2 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP56/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.







7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: K. Finucane

V10135/GP56.DRW

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|--|---|--|-----------|--|-------------------------|------------------------------|--|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 35 | | | | | | | | |
| 40 | <p>Collected groundwater sample GP56/GW40 from screened interval at 36.0-40.0 feet in separate boring within approximately 1.0 foot of boring GP56.</p> <p>Total depth = 40.0 feet.</p> | | | | | | |  |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |
| <p>LEGEND</p> <p> 2.0-inch O.D. Geoprobe soil core sample with % recovered</p> <p> Encountered groundwater level WD while drilling</p> <p> Groundwater Analysis (HVOCs by 8260)</p> <p> Soil Analysis (HVOCs by 8260)</p> | | <p>PROJECT NUMBER: 0-61M-10135-5 T4</p> <p>Cadet Manufacturing Vancouver, Washington</p> | | <p>AMEC EARTH & ENVIRONMENTAL, INC.</p> <p>7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> | | | | |

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: K. Finucane

110135/GP56PG2.DRW



| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|--|--|-------------------------------|-----------|--|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium dense, moist, medium brown, fine-grained, silty SAND. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP57/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |
| <p>LEGEND</p> <p> 2.0-inch O.D. Geoprobe soil core sample with % recovered</p> <p> Encountered groundwater level WD while drilling</p> <p> Groundwater Analysis (HVOCs by 8260)</p> <p> Soil Analysis (HVOCs by 8260)</p> | | | | <p>PROJECT NUMBER: 0-61M-10135-5 T4</p> <p>Cadet Manufacturing Vancouver, Washington</p> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> | | | |

Drilling Started: 3/15/01


Drilling Completed: 3/15/01

Logged By: K. Finucane

110135GP57.DRW


| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|--|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 35 | | | | | | | | |
| 40 | <p>Collected groundwater sample GP57/GW40 and duplicate from screened interval at 36.0-40.0 feet in separate boring within approximately 1.0 foot of boring GP57.</p> <p>Total depth = 40.0 feet.</p> | | | | | | |  |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

 Encountered groundwater level WD while drilling

 Soil Analysis (HVOCs by 8260)

AMEC EARTH & ENVIRONMENTAL, INC.




7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01





Drilling Completed: 3/15/01

Logged By: K. Finucane

V10135/GP57PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|---|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Loose, damp, medium brown, silty SAND. | | | | 0.2 | | |
| 20 | Collected groundwater sample GP58/GW22 from screened interval at 18.0-22.0 feet. | | | | |  WD | |
| | Total depth = 22.0 feet. | | | | | |  |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level WD while drilling
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01


Logged By: K. Finucane

V10135GP58.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Very soft to soft, medium brown, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP59/GW22 from screened interval at 18.0-22.0 feet. | | | | | | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/14/01


Drilling Completed: 3/14/01

Logged By: K. Finucane


110135GP59.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Soil and vegetation at surface. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | Medium dense, moist, medium brown, silty SAND. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | <p>Collected groundwater sample GP60/GW24 from screened interval at 20.0-24.0 feet.</p> <p>Total depth = 24.0 feet.</p> | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01


Drilling Completed: 3/16/01


Logged By: K. Finucane

110135GP60.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 4.0-6.0 | Brown SILT grading to sandy SILT at 4.0-6.0 feet. | | | | 1.3 | | |
| 5 | | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 20.0-24.0 | Collected groundwater sample GP61/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 24.0 | Total depth = 24.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01


Drilling Completed: 3/16/01

Logged By: J. Menken


110135/GP61.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Brown SILT. | | | | | | |
| 5 | Grades to very fine-grained SAND at 4.0-6.0 feet. | | | | 1.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP63/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

 Encountered groundwater level while drilling

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.



7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01


Drilling Completed: 3/16/01


Logged By: J. Menken


10135/GP63.DRW


| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|---|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 35 | | | | | | | | |
| 40 | Collected groundwater sample GP63/GW40-44 from screened interval at 40.0-44.0 feet. | | | | | | | |
| 45 | Total depth = 44.0 feet. | | | | | | |  |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01





Drilling Completed: 3/16/01

Logged By: J. Menken

110135GP63PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|--|----------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | Asphalt and gravel fill. | | | | | |  Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 5 | Brown SILT. | | | | 0.8 | | | |
| 6.0 | Grades to very fine-grained SAND at 6.0 feet. | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | Collected groundwater sample GP64/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | WD | | |
| 25 | Total depth = 24.0 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater Analysis (HVOCs by 8260)
-  Encountered groundwater level WD while drilling
-  Soil Analysis (HVOCs by 8260)

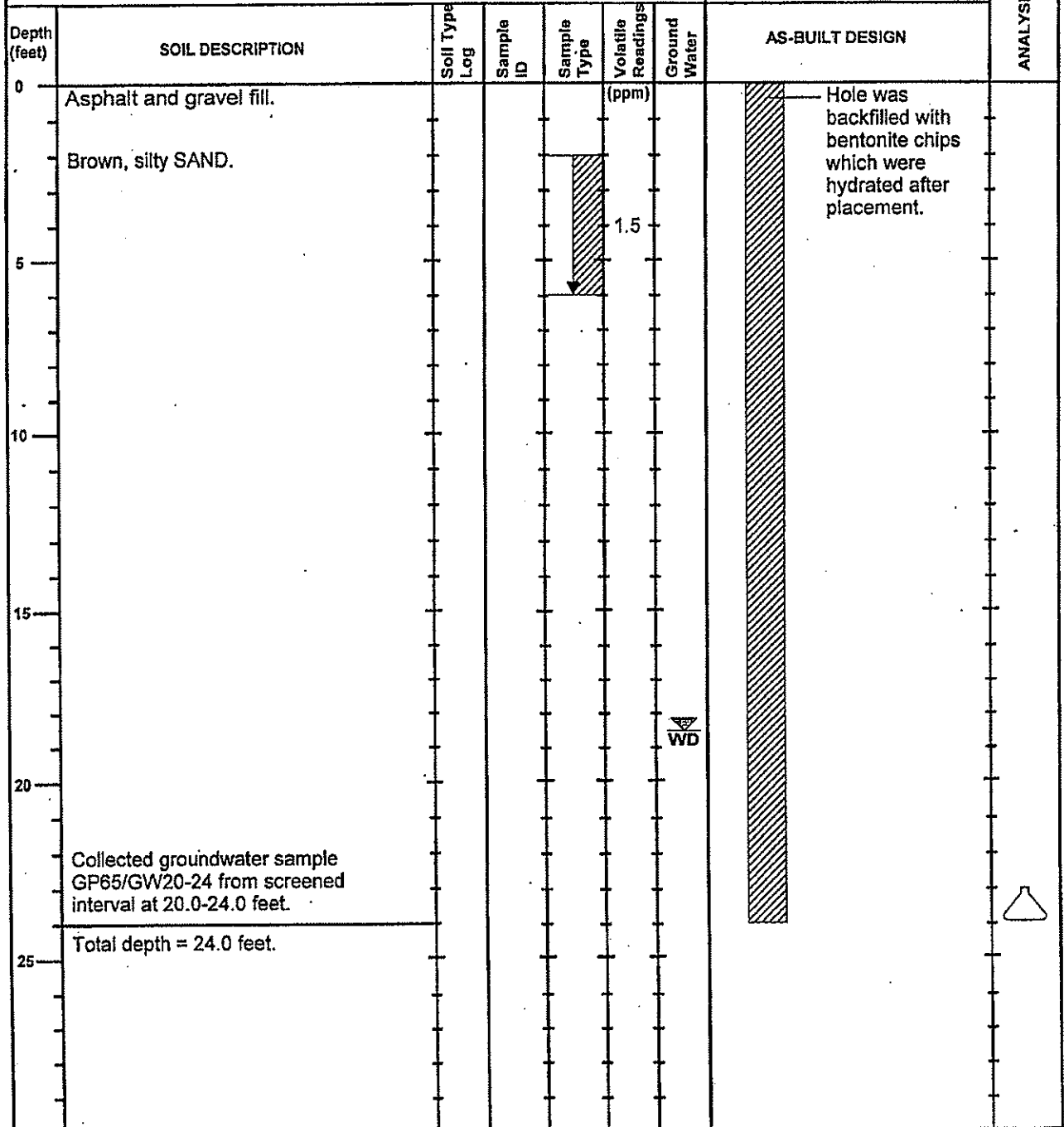
PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01 Drilling Completed: 3/16/01 Logged By: J. Menken 110135IGP64.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0



LEGEND

- 2.0-Inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level while drilling
- HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
 Vancouver, Washington

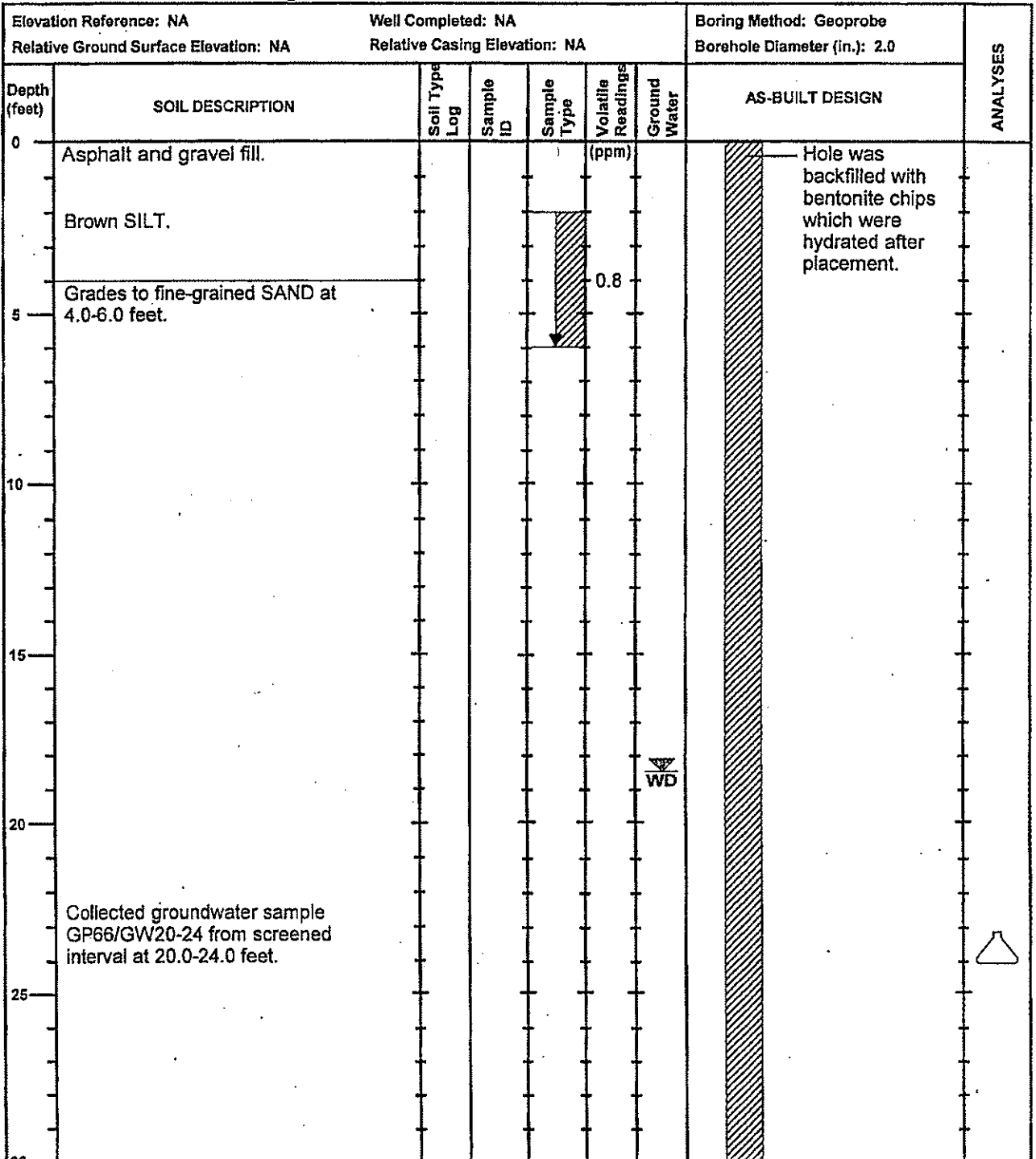
AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: J. Menken

110135/GP65.DRW



PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

LEGEND



- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level WD while drilling
- Soil Analysis (HVOCs by 8260)

Drilling Started: 3/16/01



Drilling Completed: 3/16/01



Logged By: J. Menken

110135/GP66.DRW

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|--|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 35 | | | | | | | | |
| 40 | Collected groundwater sample GP66/GW40-44 from screened interval at 40.0-44.0 feet. | | | | | | |  |
| 45 | Total depth = 44.0 feet. | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level while drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: J. Menken

110135GP66PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Brown, silty SAND. Coarsening downward from very fine- to fine-grained. | | | | 1.8 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP67/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level WD while drilling

Groundwater Analysis (HVOCs by 8260)

Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: J. Menken

110135/GP67.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel fill. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Brown, sandy SILT. Sand content increases with depth. | | | | 1.3 | | |
| 5 | Brown, fine-grained SAND. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| | Collected groundwater sample GP68/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Groundwater Analysis (HVOCs by 8260)

Encountered groundwater level WD while drilling

Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

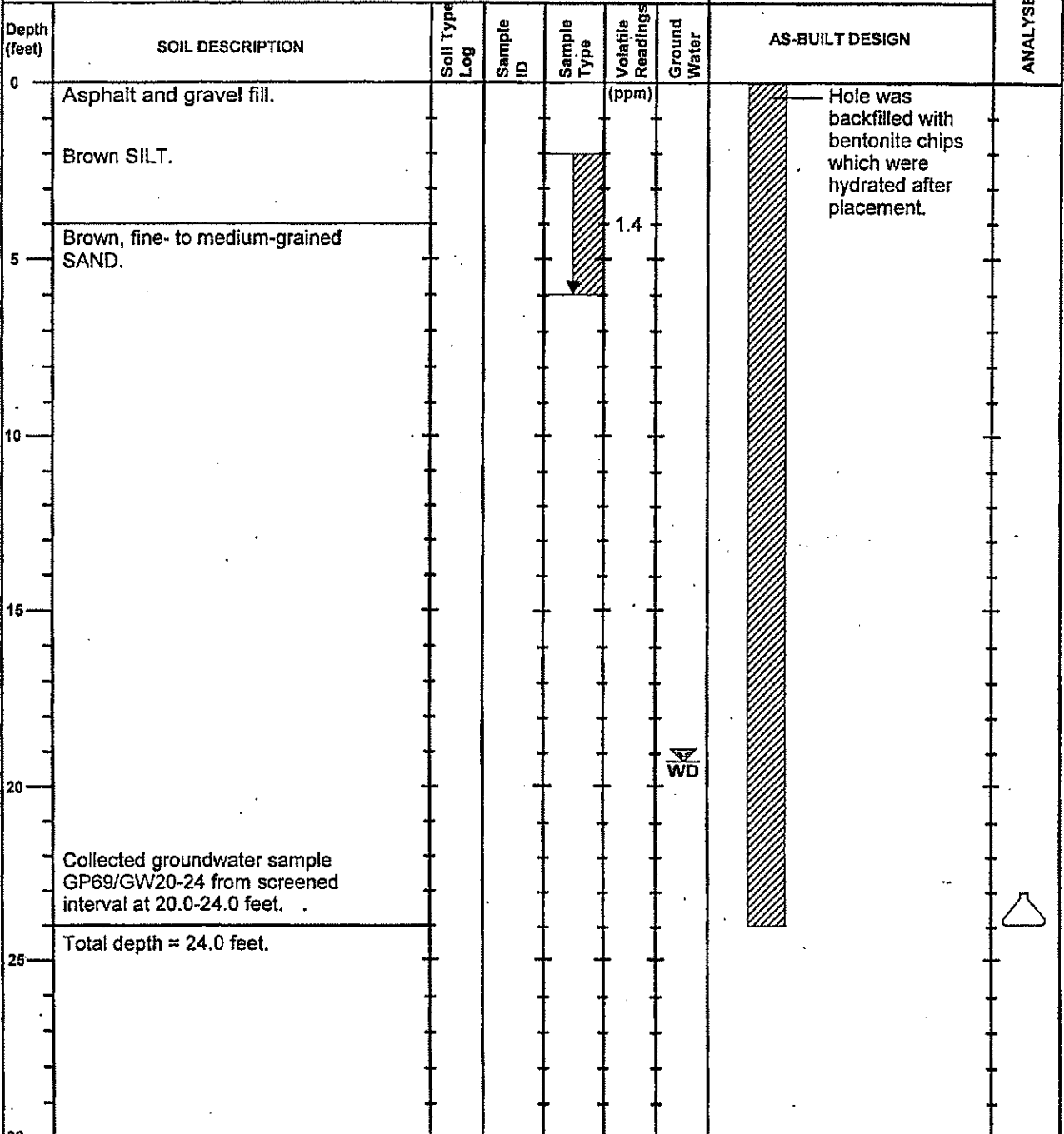
Drilling Started: 3/16/01





Drilling Completed: 3/16/01

Logged By: J. Monken

110135GP68.DRW

| | | |
|---------------------------------------|-------------------------------|------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Geoprobe |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (In.): 2.0 |







| | | | |
|---|---|---|--|
| LEGEND | | PROJECT NUMBER: 0-61M-10135-5 T4 | |
|  2.0-inch O.D. Geoprobe soil core sample with % recovered |  Groundwater Analysis (HVOCs by 8260) | Cadet Manufacturing Vancouver, Washington | |
|  Encountered groundwater level WD while drilling |  HVOCs Soil Analysis (HVOCs by 8260) | | |
| | | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 | |

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: J. Menken

W0135GP69.DRW



| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|--|--|-------------------------------|-----------|--|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, moist, medium brown, sandy SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP70/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 30 | | | | | | | |
| <p>LEGEND</p> <p> 2.0-inch O.D. Geoprobe soil core sample with % recovered</p> <p> Encountered groundwater level WD while drilling</p> <p> Groundwater Analysis (HVOCs by 8260)</p> <p> HVOCs Soil Analysis (HVOCs by 8260)</p> | | | | <p>PROJECT NUMBER: 0-61M-10135-5 T4</p> <p>Cadet Manufacturing Vancouver, Washington</p> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> | | | |

Drilling Started: 3/16/01





Drilling Completed: 3/16/01

Logged By: K. Finucane

10135/GP70.DRW

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|--|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 35 | | | | | | | | |
| 40 | <p>GRAVEL (difficult drilling). Collected groundwater sample GP70/GW40 from screened interval at 36.0-40.0 feet in separate boring within approximately 1.0 foot of boring GP70.</p> <p>Total depth = 40.0 feet.</p> | | | | | | |  |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  Encountered groundwater level WD while drilling
-  Groundwater Analysis (HVOCs by 8280)
-  HVOCs Soil Analysis (HVOCs by 8280)

PROJECT NUMBER: 0-61M-10135-5 T4

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: K. Finucane

W0135/GP70/G2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 0 - 5 | Medium stiff, moist, medium brown SILT. | | | | 0.6 | | |
| 18.0 - 22.0 | Collected groundwater sample GP71/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| Total depth = 22.0 feet. | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level
WD while drilling

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

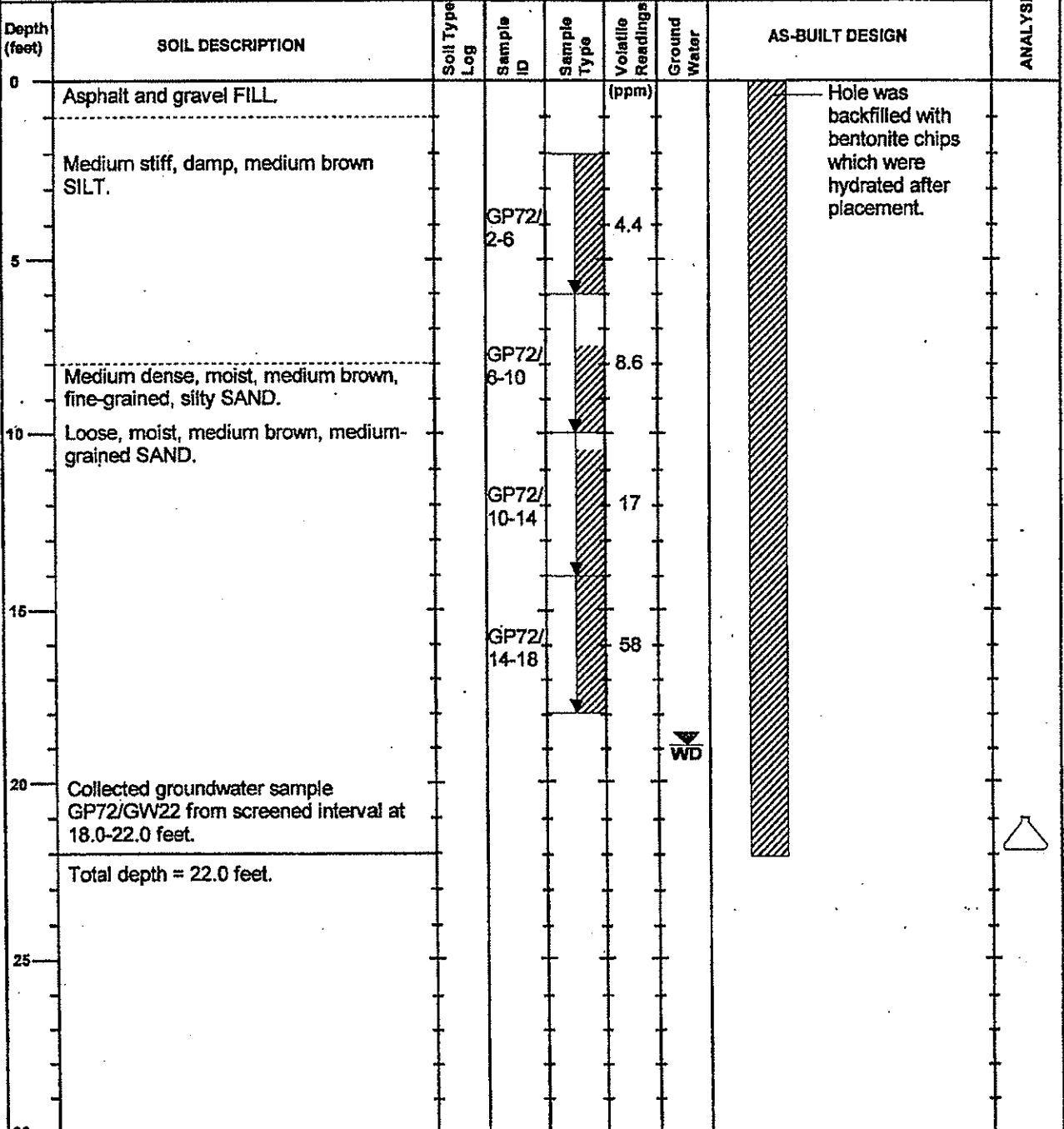
Drilling Started: 3/16/01





Drilling Completed: 3/16/01

Logged By: K. Finucane

10135/GP71.DRW

| | | |
|---------------------------------------|-------------------------------|------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Geoprobe |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (in.): 2.0 |




| | | | |
|---|---|---|--|
| LEGEND | | PROJECT NUMBER: 0-61M-10135-5 T4 | |
|  <p>2.0-inch O.D. Geoprobe soil core sample with % recovered</p> |  <p>Groundwater Analysis (HVOCs by 8260)</p> | Cadet Manufacturing Vancouver, Washington | |
|  <p>Encountered groundwater level WD while drilling</p> |  <p>HVOCs Soil Analysis (HVOCs by 8260)</p> | AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892 | |


Drilling Started: 3/16/01 Drilling Completed: 3/16/01 Logged By: K. Finucane 10135/GP72.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Brown SILT. | | | | 1.5 | | |
| 5 | Sandy SILT at 5.0-6.0 feet. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| | Collected groundwater sample GP73/GW20-24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01

Drilling Completed: 3/16/01

Logged By: K. Finucane

110135/GP73.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP74/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND



- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Encountered groundwater level WD while drilling
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4


Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01 Drilling Completed: 3/16/01 Logged By: K. Finucane 110135GP74.DRW

| Elevation Reference: NA | | Well Completed: NA | | | | Boring Method: Geoprobe | | ANALYSES |
|---------------------------------------|---|-------------------------------|-----------|-------------|-------------------------|------------------------------|--|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | | | Borehole Diameter (in.): 2.0 | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| 35 | | | | | | | | |
| 40 | <p>Collected groundwater sample GP74/GW40 from screened interval at 36.0-40.0 feet in separate boring within approximately 1.0 foot of boring GP74.</p> <p>Total depth = 40.0 feet.</p> | | | | | | |  |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01


Drilling Completed: 3/16/01

Logged By: K. Finucane

110135/GP74PG2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt and gravel FILL | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 6 | Medium stiff, damp, medium brown SILT. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP75/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level WD while drilling

 Groundwater Analysis (HVOCs by 8280)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/18/01


Drilling Completed: 3/16/01


Logged By: K. Finucane


110135/GP75.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Vegetated surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium dense, damp, medium brown, silty SAND with organics (roots). | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP76/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: K. Finucane

110135/GP76.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Vegetated surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Medium stiff, damp, medium brown, sandy SILT. | | | | 0.0 | | |
| 5 | Medium dense, damp, medium brown, very fine-grained SAND. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| | Collected groundwater sample GP77/GW24 from screened interval at 20.0-24.0 feet. | | | | | | |
| 25 | Total depth = 24.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Encountered groundwater level WD while drilling
- HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01


Drilling Completed: 3/15/01


Logged By: K. Finucane

10135/GP77.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Vegetated surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Medium stiff, damp, medium brown, sandy SILT. | | | | 0.0 | | |
| 5 | Grades to medium dense, damp, medium brown, fine-grained SAND at 5.0 feet. | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 25 | Collected groundwater sample GP78/GW26 from screened interval at 22.0-26.0 feet. | | | | | | |
| 25 | Total depth = 26.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 HVOCs Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: K. Finucane

110135GP78.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|--|--|-------------------------------|-----------|---|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Vegetated surface. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | Loose/soft, dry, medium brown, silty SAND/sandy SILT with some organics (roots). | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP79/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| | Total depth = 22.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |
| <p>LEGEND</p> <p> 2.0-inch O.D. Geoprobe soil core sample with % recovered</p> <p> Encountered groundwater level WD while drilling</p> <p> Groundwater Analysis (HVOCs by 8260)</p> <p> Soil Analysis (HVOCs by 8260)</p> | | | | <p>PROJECT NUMBER: 0-61M-10135-5 T4</p> <p>Cadet Manufacturing Vancouver, Washington</p> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> | | | |

Drilling Started: 3/15/01


Drilling Completed: 3/15/01

Logged By: K. Finucane


110135GP79.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Gravel and vegetation at surface. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | Loose, dry to slightly moist, medium brown, silty SAND with abundant roots. | | | | 0.0 | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample GP80/GW22 from screened interval at 18.0-22.0 feet. | | | | | WD | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T4

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892


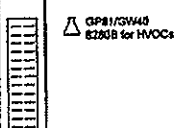

Drilling Started: 3/15/01

Drilling Completed: 3/15/01

Logged By: K. Finucane

110135/GP80.DRW

ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03








| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-81 |
|---|-------------|-------------|---|--------|------------------------|---------------|--|----------------------|---|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 5 10 15 20 25 30 35 40 | | | No soil sampling. Discrete groundwater sampling only. | | | |  | |  |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.5 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | REMARKS: No discrete soil samples were collected. | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-81 |
| PAGE 1 OF 2 | | | | | | | | | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-81 | | |
|--|-------------|-------------|------------------|--|------------------------|---------------|---|----------------------|--|--------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| <p>Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.</p> | | | | | | | | | | | |
| <p>BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002</p> | | | | | | | <p>ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA</p> | | <p>REMARKS: No discrete soil samples were collected.</p> | | |
| <p>Cadet Manufacturing 2-61M-10135</p> | | | | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | | | <p>GP-81</p> | | <p>PAGE 2 OF 2</p> | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03



ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING GDT 2/003

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-82 | |
|--|---|-------------|--|--------|------------------------|---|---|----------------------|-----------------------------|----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 |  | SM | ASPHALT | | | | | | | |
| 0-20 |  | | Brown, fine-grained, silty SAND, grades to medium-grained, micaceous SAND with little silt; moist. | | 0.3 | |  | | | |
| 20-25 |  | GM/GP | Dense, black, mostly subrounded to subangular, sandy GRAVEL, (0.5-foot and less with occasional 1.0-inch plus), with little silt; wet. (Approximately 30% sand, 70% gravel). | | | | | | | |
| 25-35 |  | | Increase in 1.0-inch plus GRAVEL (5-10%). Average gravel size is larger (3/4-inch plus), with very little silt. | | | | | | | |
| 35-40 |  | GM | Very Dense, dark brown, subrounded to rounded, silty, sandy GRAVEL (3/4-inch to 1.0-inch), with coarse-grained sand and some silt (approximately 5%); wet. | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: B. Lary DRILLING STARTED: 6/25/2002 DRILLING COMPLETED: 6/25/2002 | | | | | | REMARKS: Contacts are approximate based on limited sampling and drilling characteristics. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7882 | | |  | | GP-82 | | <small>PAGE 1 OF 2</small> |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-82 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | GM | Very Dense, dark brown, subrounded to rounded, silty, sandy GRAVEL (3/4-inch to 1.0-inch), with coarse-grained sand and some silt (approximately 5%); wet. | | | | | | | |
| 55 | | | More SAND with occasional large gravel. | | | | | | | |
| 60 | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | | | |
| BORING METHOD: Geoprobe 6600 | | | ELEVATION REFERENCE: NA | | | REMARKS: Contacts are approximate based on limited sampling and drilling characteristics. | | | | |
| BOREHOLE DIAMETER: 1.8 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: B. Lary | | | | | | | | | | |
| DRILLING STARTED: 6/25/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 6/25/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | | | | GP-82 | | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2003

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-83 | |
|---|-------------|-------------|---|--------|------------------------|---------------|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SC | ASPHALT | | | | | | | |
| 0-2.1 | | | Medium brown, silty, fine-grained SAND; moist. | | 2.1 | | | | | |
| 2.1-3.0 | | | Loose, dark brown, medium-grained, micaceous SAND, with lithic clasts; wet. Grain-size increases. | | | | | | | |
| 3.0-20.0 | | | Loose, dark brown, coarse-grained, well-sorted SAND, with abundant lithics (quartz, mica); wet. | | 3.0 | | | | | |
| 20.0-25.0 | | GM | Green, red, brown, light gray (multi-colored), subrounded to subangular, clean (no silt or sand) GRAVEL (mostly 1/8-inch to 1/4-inch), with abundant cobbles (3/4-inch to 1.5-inch); wet. | | 0.5 | | | | | |
| 25.0-40.0 | | | GRAVEL, with increased medium brownish gray silt. | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/28/2002 DRILLING COMPLETED: 6/28/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | GP-83 PAGE 1 OF 2 | | |


ENV. DIRECT. PUSH BORING. 10135.GPJ ENVIRONMENTAL BORING.GDT. 2/9/03


GP83GM40
B2808 for HVOCs

| DEPTH (ft logs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-83 | |
|-------------------------------|-------------|-------------|---|--------|------------------------|---------------|-------------|----------------------|-----------------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 40 | | GM | Green, red, brown, light gray (multi-colored), subrounded to subangular, clean (no silt or sand) GRAVEL (mostly 1/8-inch to 1/4-inch), with abundant cobbles (3/4-inch to 1.5-inch); wet. | | | | | | | GP83GW80 82603 for TVOCs |
| 45 | | | Loose GRAVEL, with coarse-grained sand, some silt. Grain-size is smaller than above (pebbles up to 1.0 inch). | | | | | | | |
| 50 | | | Loose GRAVEL and very coarse-grained SAND, with no silt. (Gravel (20%) up to 1.5-inch, sand (80%) 1/8-inch to 1/4-inch.) | | | | | | | |
| 55 | | | GRAVEL to very coarse-grained SAND. | | | | | | | |
| 60 | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 4.6 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 6/28/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 6/28/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | GP-83 | | |
| 2-61M-10135 | | | | | | | | PAGE 2 OF 2 | | |

ENV. DIRECT PULSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/9/03

ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-85 |
|--|-------------|-------------|--|--|------------------------|--|-------------|---------------------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | | <p>CONCRETE No soil sampling. Discrete groundwater sampling only.</p> | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | ▽ | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-85 PAGE 1 OF 2 | |


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-85 | | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-85 | | PAGE 2 OF 2 |

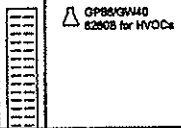
ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/6/03


△ GP85/GH80
62608 for HVOCs

Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete.

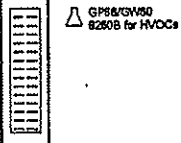
ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/9/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-86 | |
|--|-------------|-------------|--|----------|------------------------|--|-------------|--------------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Grassy field. | | | | | | | |
| 0 | | | No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | | REMARKS: | | No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-86 PAGE 1 OF 2 | | |




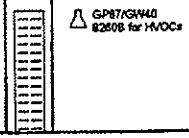
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-86 | |
|--|-------------|-------------|--|--|------------------------|---------------|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | | | |
| BORING METHOD: Geoprobe 8600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | | REMARKS: No discrete soil samples were collected. | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-86 PAGE 2 OF 2 | |

ENV DIRECT PUSL BORING 18155.GPJ ENVIRONMENTAL BORING.GDT 2/8/03




ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-87 | |
|--|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Grassy field. No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | REMARKS: No discrete soil samples were collected. | | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-87 | | PAGE 1 OF 2 |

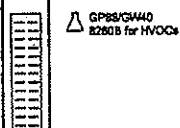



ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-87 | | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6800 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-87 | | PAGE 2 OF 2 |

△ GP87/GW80
62606 for HYOCs

Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-88 |
|--|-------------|-------------|--|--------|---|--|-------------|----------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | | Grassy field. No soil sampling. Discrete groundwater sampling only. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 8/27/2002 DRILLING COMPLETED: 6/27/2002 | | | REMARKS: No discrete soil samples were collected. | |  | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-88 PAGE 1 OF 2 | |

ENV. DIRECT PUSH BORING 10195.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-88 | | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|-------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/27/2002 DRILLING COMPLETED: 6/27/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-88 | | PAGE 2 OF 2 | |

ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/6/03

△ GP88/GW00
#2509 for HVOCs


Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

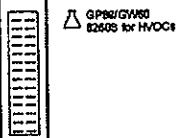
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-89 | |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Grassy field. No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | | | | | REMARKS: No discrete soil samples were collected. | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-89 PAGE 1 OF 2 | |

△ GP89/GW20
82603 for HVOCs

△ GP89/GW40
82606 for HVOCs


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-89 | | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|--|-----------------------------|-------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/26/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | |  | | GP-89 | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/6/03



Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-90 |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | | Grassy field. No soil sampling. Discrete groundwater sampling only. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| BORING METHOD: Geoprobe 6609 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/27/2002 DRILLING COMPLETED: 6/27/2002 | | | | | | | REMARKS: No discrete soil samples were collected. | | |
| Cadet Manufacturing 2-81M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-90 |


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-90 | |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|--|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/27/2002 DRILLING COMPLETED: 6/27/2002 | | | | | | | | | REMARKS: No discrete soil samples were collected. | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-90 PAGE 2 OF 2 | |


ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

△ GP90/GW80
8200B for HVOCs

Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-91 | |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Grassy field. No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6500 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/27/2002 DRILLING COMPLETED: 6/27/2002 | | | | | | | REMARKS: No discrete soil samples were collected. | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-91 PAGE 1 OF 2 | |


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-91 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/27/2002 DRILLING COMPLETED: 6/27/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-91 PAGE 2 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03




Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-92 | |
|--|-------------|-------------|--|--------|------------------------|---|-------------|----------------------|-----------------------------|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | ASPHALT | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | Medium dense, brown, fine- to medium-grained, micaceous, silty SAND; damp to moist. | | 0.1 | | | | | |
| 15 | | | No additional soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: B. Lary DRILLING STARTED: 6/25/2002 DRILLING COMPLETED: 6/25/2002 | | | | | | REMARKS: Contacts are approximate based on limited sampling and drilling characteristics. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-92 | | PAGE 1 OF 2 |


GP92/GY40
82606 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-92 | | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|-------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: B. Lary DRILLING STARTED: 6/26/2002 DRILLING COMPLETED: 6/25/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Contacts are approximate based on limited sampling and drilling characteristics. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-92 | | PAGE 2 OF 2 | |

ENV DIRECT PUSH BORING 10135 GFL ENVIRONMENTAL BORING GDT 2/003

△ GP92/GW00
#2625 for HYOCs

Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-93 | |
|--|-------------|-------------|--|--|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | SM | ASPHALT | | | | | | | |
| 5 | | | Medium dense, brown, fine- grading to medium-grained, micaceous, silty SAND; damp to slightly moist. Silt decreases with depth. | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | No additional soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | GM | Sandy GRAVEL (based on drilling character). | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: B. Lary DRILLING STARTED: 6/25/2002 DRILLING COMPLETED: 6/25/2002 | | | | REMARKS: Actual lithology and contacts are approximate. Some lithology logged by drilling characteristics and resistance. | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-93 PAGE 1 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDI 2/8/03


△ GP93/GW40
#2603 for HVOCs


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-93 | |
|---|-------------|-------------|--|--------|--|---------------|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | GM | Sandy GRAVEL (based on drilling character). | | | | | | | |
| 60 | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: B. Lary DRILLING STARTED: 6/25/2002 DRILLING COMPLETED: 6/25/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: Actual lithology and contacts are approximate. Some lithology logged by drilling characteristics and resistance. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | GP-93 PAGE 2 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/00/03

GP93/GW90
 82806 for HVOCs

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-94 | |
|--|-------------|-------------|--|--|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | Medium brown SILT; moist. | ▨ | 3.8 | | ▽ | | | |
| 12.5 | | | Dark brown, medium-grained SAND layer at 12.5 feet. | | | | | | | |
| 15 | | | No additional soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | | REMARKS: Actual lithology and contacts are approximate. | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-94 | | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppmv) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-94 | |
|---|-------------|-------------|--|--------|-------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Actual lithology and contacts are approximate. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-94 | | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

△ GP94/GWB0
62608 for HVOCs

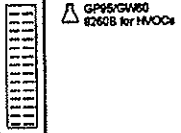
ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/6/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-95 | | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | ML | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 10 | | | Medium stiff, brown, sandy SILT; wet. | ▨ | 0.0 | | ▽ | | | | |
| 15 | | | No additional soil sampling. Discrete groundwater sampling only. | | | | | | | | |
| 20 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Actual lithology and contacts are approximate. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-95 | | PAGE 1 OF 2 |


△ GP95/GW40
62008 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-95 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Actual lithology and contacts are approximate. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | | GP-95 | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING LOG DT 2/003




Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-96 | |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | ML | Medium stiff, medium brown SILT; wet. | | 2.1 | | | | | |
| 15 | | | No additional soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | GM | Dense GRAVEL layer (based on drilling characteristics). | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | | | | | | | | REMARKS: Actual lithology and contacts are approximate. |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-96 | |


ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING GDT 28003

GP96/GY140
#2608 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppt) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-96 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 6/24/2002 DRILLING COMPLETED: 6/24/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Actual lithology and contacts are approximate. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-96 | | |

ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/003


△ GP96/GW80
8200B for HVOCl

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-97 | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | ASPHALT No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6606 BOREHOLE DIAMETER: 1.6 (In) LOGGED BY: K. Finucane DRILLING STARTED: 7/9/2002 DRILLING COMPLETED: 7/8/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-97 | |

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

△ GP97/GW25
8535 Total HVOCs, 82508 for HVOCs


△ GP97/GW40
8535 Total HVOCs, 82508 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-97 | |
|------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 | | | ELEVATION REFERENCE: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| BOREHOLE DIAMETER: 1.6 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 7/9/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 7/9/2002 | | | | | | | | | | |
| Cadat Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | GP-97 | | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |


ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

GP97/GWRG
B535 Total HVOCL, B2808 for HVOCL

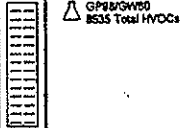
Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with asphalt.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-98 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | GRAVEL/ASPHALT No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 85 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/9/2002 DRILLING COMPLETED: 7/9/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-98 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING GDT 2/9/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-98 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|--------------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/9/2002 DRILLING COMPLETED: 7/9/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-98 PAGE 2 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03




Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with asphalt.

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/6/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-99 | |
|--|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 5 | | | ASPHALT No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 7 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Flucane DRILLING STARTED: 7/9/2002 DRILLING COMPLETED: 7/9/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-99 | | |


△ GP99/GW25
8535 Total HVOCs

△ GP99/GW40
8535 Total HVOCs


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-99 | |
|--|-------------|-------------|--|--|------------------------|---------------|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with asphalt. | | | | | | | |
| BORING METHOD: Geoprobe 6600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 7/9/2002 DRILLING COMPLETED: 7/9/2002 | | | | REMARKS: No discrete soil samples were collected. | | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-99 PAGE 2 OF 2 | |

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


 GP99GW60
 8535 Total HVOCs

| DEPTH (ft logs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-100 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Grass. No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 | | | ELEVATION REFERENCE: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| BOREHOLE DIAMETER: 1.6 (In) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 7/10/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 7/10/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | GP-100 | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-100 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/10/2002 DRILLING COMPLETED: 7/10/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-100 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/2003


 GP100/GWB0
 8535 Total HVOCs

ENV. DIRECT PUSH BORING 101SS.GPJ ENVIRONMENTAL BORING.GBT 2803

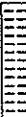
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-101 | |
|--|-------------|-------------|--|----------|------------------------|--|-------------|---------------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | ASPHALT No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 5600 ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (In) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 7/10/2002 DRILLING COMPLETED: 7/10/2002 | | | | REMARKS: | | No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-101 PAGE 1 OF 2 | | |

△ GP101/GW25
8535 Total HVOCs, 82508 for HVOCs


△ GP101/GW40
8535 Total HVOCs, 82508 for HVOCs

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-101 | | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|-------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 40 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/10/2002 DRILLING COMPLETED: 7/10/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-101 | | PAGE 2 OF 2 |

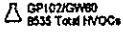

ENV. DIRECT. PUSH BORING. 10135.GPJ. ENVIRONMENTAL BORING.GDT. 2/9/03

 GP101/GM60
 8535 Total HVOCs, 8208 for HVOCs


Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-102 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | No soil sampling. Discrete groundwater sampling only. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/10/2002 DRILLING COMPLETED: 7/10/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-81M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | GP-102 | | |


ENV. DIRECT. PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 28003

| DEPTH (ft bgs) | GRAPHIC LOG USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING GP-102 | |
|--|----------------------------|--|--------|--|---------------|--|-------------------------|---|--|
| | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | |  | |
| BORING METHOD: Geoprobe 6600 BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Plucane DRILLING STARTED: 7/10/2002 DRILLING COMPLETED: 7/10/2002 | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | GP-102 PAGE 2 OF 2 | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/8/03


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-------------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 1.5 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 5.0-inch layer of concrete underlain by GRAVEL. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| | Damp to moist, brown, clayey SILT. | | C-1/0.5-2.0 | | 8.7 | | |
| | Damp, brown, clayey, fine-grained, micaceous SAND. | | C-1/2-4 | | 9.2 | | |
| 5 | | | C-1/4-6 | | 15 | | |
| | Moist. | | C-1/6-8 | | 11 | | |
| | Slightly sandier. | | C-1/8-10 | | 11 | | |
| 10 | Fine-grained, silty SAND. | | C-1/10-12 | | 6.6 | | |
| | Damp, brown, fine- to medium-grained, micaceous SAND with some silt. | | | | | | |
| 15 | Damp, brown, interbedded, micaceous, sandy SILT and silty, fine-grained SAND. | | C-1/14-16 | | 5.4 | | |
| 20 | Collected groundwater sample C-1/GW21 from screened interval at 17.0-21.0 feet. | | | | | WD | |
| | Total depth = 21.0 feet due to refusal. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 1.5-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (Test Method Shown)

 Groundwater level at time of drilling

 8015 Soil Analysis (Test Method Shown)
8240

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/15/99

Drilling Completed: 10/15/99



Logged By: B. Lary



9-10135C1.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | | |
|---------------------------------------|---|-------------------------------|-------------|------------------------------|--------------------------|--------------|---|------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 1.5 | | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 5.0-inch layer of concrete underlain by GRAVEL and coarse-grained SAND. | | C-2/0.5-2.0 | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> | |
| | Dry, dark gray to brown, clayey, micaceous SILT. Less clay. | | C-2/2.4 | | 10 | | | |
| | Damp, brown, fine, micaceous SILT. | | C-2/4.6 | | 8.2 | | | |
| 6 | | | C-2/6.8 | | 10 | | | |
| | Damp, brown, silty, micaceous SAND. | | C-2/8-10 | | 13 | | | |
| | | | C-2/10-12 | | 12 | | | |
| 10 | Interbedded, moist, medium-grained SAND lenses. | | C-2/17-19 | | 11 | | | |
| | Damp to moist, brown, medium-grained, micaceous SAND. | | | | 3.8 | | | |
| 20 | Collected groundwater sample C-2/GW21.5 from screened interval at 17.5-21.5 feet. | | | | | WD | | 8260 |
| | Total depth = 21.5 feet due to refusal. | | | | | | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

LEGEND

PROJECT NUMBER: 9-61M-10135-0

-  1.5-inch O.D. Geoprobe soil core sample with % recovered
-  Groundwater level at time of drilling

-  Groundwater Analysis (Test Method Shown)
-  Soil Analysis (Test Method Shown)

Cadet Manufacturing
Vancouver, Washington


AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/16/99


Drilling Completed: 10/15/99

Logged By: B. Lery


10135C2.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 1.5 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Concrete underlain by GRAVEL and coarse-grained SAND. Dry to damp, brown, fine, sandy, micaceous SILT. | | | | | |  <p>Hole was backfilled with bentonite chips which were hydrated after placement.</p> |
| 5 | | | C-3/4-6 | | 11 | | |
| 10 | Dry to damp, brown, silty, micaceous SAND. | | C-3/8-10 | | 24 | | |
| 15 | Damp, brown, interbedded, sandy SILT and silty SAND. | | C-3/12-14 | | 14 91 | | |
| 20 | Collected groundwater sample C-3/GW22 from screened interval at 18.0-22.0 feet. | | | | | | 8260 |
| 25 | Total depth = 22.0 feet due to refusal. | | | | | | 8260 |
| 30 | | | | | | | |

LEGEND

 1.5-inch O.D. Geoprobe soil core sample with % recovered

 Groundwater Analysis (Test Method Shown)

 Groundwater level at time of drilling

 8015
8240 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/16/99

Drilling Completed: 10/15/99

Logged By: B. Lary

6110135C3.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Rotohammer/Geoprobe
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borshole Diameter (in.): 1.5

| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|------------------------------|-----------|-------------|-------------------------|--------------|---|----------|
| 0 | 3.5-inch layer of concrete. | | | | | | Concrete Cap | |
| 0-8 | Dry, orangish brown, silty, micaceous SAND. | | C4/ 4-6 | Soil | 12 | | Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 8-10 | Collected vapor sample in tedlar bag. | 500 | C4/ 8-10 | Vapor | 148 | | | HVOCs |
| 10-15 | Grades to damp. | | C4/ 12-14 | Soil | 61 | | | |
| 15-20 | Damp, brown, silty SAND grading to medium-grained SAND. | | C4/ 16-18 | Soil | 13 | WD | | |
| 20-22 | Collected groundwater sample C4/GW-18-22 from screened interval at 18.0-22.0 feet. | | | | | | | |
| 22-22.0 | Total depth = 22.0 feet. | | | | | | | |

LEGEND

1.5-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

Groundwater Analysis (HVOCs by 8280)

HVOCs Soil Analysis (HVOCs by 8280)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/9/00

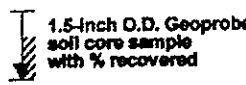
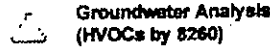

Drilling Completed: 6/9/00

Logged By: L. Wozell

110135C4.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 1.5 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 3.5-inch layer of concrete..... | | | | | | Concrete Cap |
| 5 | Dry, orangish brown, silty, micaceous SAND. | | C5/ 4-6 | ↓ | 531 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Collected vapor sample in tedlar bag. | >2,500 | C5/ 8-10 | ↓ | 450 | | |
| 10 | Damp, orangish brown, silty SAND. | | C5/ 12-14 | ↓ | 414 | | |
| 15 | Dry, brownish, fine-grained SAND grading to silty SAND near base. | | C5/ 16-18 | ↓ | 513 | | |
| 20 | Damp, orangish brown, silty, fine-grained SAND. | | | | | | |
| | Collected groundwater sample C5/GW-16-20 from screened interval at 16.0-20.0 feet. | | | | | | |
| 20 | Total depth = 20.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

 1.5-inch O.D. Geoprobe soil core sample with % recovered
 Groundwater Analysis (HVOCs by 8260)
 Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-81M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/9/00 Drilling Completed: 6/9/00 Logged By: L. Woxell 110135C5.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------------|------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 1.5 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 3.5-inch layer of concrete. | | | | | | Concrete Cap |
| 5 | Dry, orangish brown, silty, micaceous SAND. | | C6/ 4-6 | ↓ | 525 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | Collected vapor sample in tedlar bag. Could smell odor. Grades to brown. | >2,500 | C6/ 8-10 | ↓ | 161 | | HVOCs |
| 15 | Damp, brown, silty, micaceous SAND grading to damp, brown, medium-grained SAND. | | C6/ 12-14 | ↓ | 243 | | HVOCs |
| 20 | Damp, brown, silty SAND with interlayered medium-grained SAND. | | C6/ 16-18 | ↓ | 523 | | HVOCs |
| 20 | Collected groundwater sample C6/GW-18-22 from screened interval at 18.0-22.0 feet. | | | | | | △ |
| 22 | Total depth = 22.0 feet. | | | | | | |

LEGEND

1.5-inch O.D. Geoprobe soil core sample with % recovered

△ Groundwater Analysis (HVOCs by 8280)

HVOCs Soil Analysis (HVOCs by 8280)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/9/00

Drilling Completed: 6/9/00

Logged By: L. Wexell

110135C6.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 3.0-inch layer of concrete. | | | | | | Concrete Cap |
| 6 | Collected vapor sample in tedlar bag. Dry, rusty brown, silty, fine-grained SAND. | 840 | C7/ 4-6 | ↓ | 578 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| | Slightly coarser SAND. | | C7/ 8-10 | ↓ | 110 | | |
| | Wet, brown, fine sandy SILT. | | C7/ 12-14 | ↓ | 213 | | |
| | Moist, brown, silty, micaceous, fine-grained SAND. | | C7/ 16-18 | ↓ | 264 | | |
| 15 | Saturated, dark brown, fine- to medium-grained SAND with some silt. | | | | | | |
| 20 | Collected groundwater sample C7/GW16-20 from screened interval at 16.0-20.0 feet. | | | | | | |
| | Total depth = 20.0 feet. | | | | | | |

LEGEND

- 2.0-Inch O.D. Geoprobe soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7882

Drilling Started: 6/9/00

Drilling Completed: 6/9/00

Logged By: B. Lary

W0136C7.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------------|--------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 3.0-inch layer of concrete. | | | | | | Concrete Cap |
| 5 | Collected vapor sample C8/V4 in tedlar bag and summa canister. Dry, rusty brown, silty, fine-grained SAND. | 180 | C8/4-6 | | 213 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | Sandier. | | C8/8-10 | | 165 | | |
| 16 | Moist, fine sandy SILT (1.0 inch), grading to dry, brown, medium-grained SAND. | | C8/12-14 | | 153 | | |
| 20 | Wet to moist, brown, silty, fine-grained SAND to sandy SILT. Damp, brown, medium-grained SAND. Collected groundwater sample C8/GW16-20 from screened interval at 16.0-20.0 feet. | | C8/16-18 | | 190 | | |
| 20 | Total depth = 20.0 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 539-3400 FAX (503) 620-7892

Drilling Started: 6/8/00

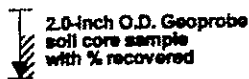
Drilling Completed: 6/9/00

Logged By: B. Lary

110135C8.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------------|--------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatiles Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 3.0-inch layer of concrete. | | | | | | Concrete Cap |
| 5 | Dry, brown, fine sandy SILT over silty SAND. Collected vapor sample C9/V4' in tedlar bag and summa canister | 703 | C9/ 4-6 | 94 | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | Dry, brown, silty, micaceous, fine-grained SAND. | | C9/ 8-10 | 134 | | | |
| 15 | Interbedded SILTS and SANDS. | | C9/ 12-14 | 69 | | | |
| 20 | Saturated, brown, silty, fine-grained SAND. Collected groundwater sample C9/GW16-20 from screened interval at 16.0-20.0 feet. | | C9/ 16-18 | 643 | | | |
| 20 | Total depth = 20.0 feet. | | | | | | |

LEGEND



Groundwater Analysis (HVOCs by 8260)

HVOCs Soil Analysis (HVOCs by 8260)

Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.




7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/9/00






Drilling Completed: 6/18/00

Logged By: B. Lary

110135C9.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | | |
|---------------------------------------|---|-------------------------------|------------|------------------------------------|------------------|--------------|---|--|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | | |
| Depth (feet) | SOIL DESCRIPTION | PID Reading (ppm) | Sample ID | Sample Type | Volatle Readings | Ground Water | AS-BUILT DESIGN | ANALYSES |
| 0 | | | | | | | Concrete Cap | |
| 5 | Collected vapor sample C10/V4' in summa canister. | 58 | | | 1.8 | | Hole was backfilled with bentonite chips which were hydrated after placement. |  |
| 10 | Medium dense, dry, brown, silty SAND. | | C10/ 8-10 | | 2.7 | | | |
| 15 | Grades to moist. | | C10/ 12-14 | | 1.2 | | | |
| 20 | Collected groundwater sample C10/GW22 from screened interval at 18.0-22.0 feet. | | C10/ 15-18 | | 3.5 | | |   |
| 25 | Total depth = 22.0 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  No sample recovery
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)
-  Soil Vapor Analysis (VOCs by TO-14A)




PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington






AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/3/00 Drilling Completed: 11/3/00 Logged By: D. Hetherington 110135C10.DRW

| | | |
|---------------------------------------|-------------------------------|------------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Rotohammer/Geoprobe |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (in.): 2.0 |

| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|------------|-------------|-------------------|--------------|---|---|
| 0 | Approximately 3.0-inch layer of concrete. | | | | | | Concrete Cap | |
| 5 | Collected vapor sample C11/V4' in summa canister. Damp, brown, fine, micaceous, sandy SILT. | | C11/ 4-6 | | 29 | | Hole was backfilled with bentonite chips which were hydrated after placement. |  |
| 10 | Dry, brown, interbedded, fine, micaceous, silty SAND and sandy SILT. | | C11/ 8-10 | | 20 | | | |
| 15 | Slightly coarser sand. | | C11/ 12-14 | | 17 | | | |
| 20 | Dry, brown, medium-grained SAND with some silt. | | C11/ 16-18 | | 25 | | |  |
| 20 | Collected groundwater sample C11/GW22 from screened interval at 18.0-22.0 feet. | | | | | | |  |
| 25 | Total depth = 22.0 feet. | | | | | | | |

LEGEND

-  2.0-inch O.D. Geoprobe soil core sample with % recovered
-  * No sample recovery
-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)
-  Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/3/00


Drilling Completed: 11/3/00

Logged By: B. Lary

110135C11.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------------|-------------------|--------------|---|----------|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN | ANALYSES |
| 0 | | | | | | | Concrete Cap | |
| 5 | Collected vapor sample C12/V4' in summa canister. Medium stiff, dry, brown, sandy SILT. | | C12/4-8 | ↓ | 2.3 | | Hole was backfilled with bentonite chips which were hydrated after placement. | ☺ |
| 10 | Medium dense, dry to damp, brown, silty SAND with silt at 9.5 feet and 10.0 feet (each layer is approximately 1.0 inch thick). | | C12/8-10 | ↓ | 2.3 | | | |
| 15 | Medium dense, damp, brown, silty SAND. | | C12/12-14 | ↓ | 0.6 | | | |
| 20 | Moist to wet, brown, interbedded, sandy SILTS and silty SANDS. | | C12/16-18 | ↓ | 2.5 | | | HVOCs |
| 20 | Collected groundwater sample C12/GW22 from screened interval at 18.0-22.0 feet. | | | | | | | ☹ |
| 25 | Total depth = 22.0 feet. | | | | | | | |
| 30 | | | | | | | | |


LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

• No sample recovery

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

 Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington




AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/3/00


Drilling Completed: 11/10/00

Logged By: D. Hetherington/B. Lary


V10135C12.DRW


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | | |
|---------------------------------------|---|-------------------------------|------------|------------------------------------|-------------------|--------------|---|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN | |
| 0 | | | | | | | Concrete Cap | |
| 5 | Collected vapor sample C13/V4' in summa canister. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |  |
| 10 | Dry, brown, fine-grained, silty SAND. | | C13/ 8-10 | | 30 | | | |
| 15 | Dry, brown, silty SAND. | | C13/ 12-14 | | 0.0 | | | |
| 20 | Damp to moist, fine-grained, silty SAND. | | C13/ 16-18 | | 0.0 | | |  |
| 20 | Collected groundwater sample C13/GW22 from screened interval at 18.0-22.0 feet. | | | | | | |  |
| 25 | Total depth = 22.0 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

• No sample recovery

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs by 8260)

 Soil Vapor Analysis (VOCs by TO-14A)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/3/00

Drilling Completed: 11/10/00

Logged By: D. Hetherington

M0135/C13.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|--------------|-------------|-------------------|--------------|---|----------|
| 0 | Concrete. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 5 | Damp, brown, micaceous, fine, sandy SILT. | | C-14/ 4-8' | | 9.1 | | | HVOCs |
| 10 | Damp to dry, brown, micaceous, medium-grained SAND. | | C-14/ 12-14' | | 12 | | | HVOCs |
| 20 | Collected groundwater sample C-14/GW17.5-21.5' from screened interval at 17.5-21.5 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | | |
| 21.5 | Total depth = 21.5 feet. | | | | | | | |

LEGEND

- 2.0-Inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01

Drilling Completed: 2/24/01

Logged By: B. Lary

V10135C14.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-------------|------------------------------|---------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Vegetation Readings | Ground Water | AS-BUILT DESIGN |
| 0 | 2.5-inch layer of concrete. | | | | | | Concrete Cap |
| 0-5 | Damp, brown, micaceous, fine, sandy SILT. | | C-15/4-6' | | 2.2 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5-10 | Damp, brown, medium- to fine-grained SAND interbedded with fine sandy SILT. | | C-15/12-14' | | 3.1 | | |
| 10-20 | Collected groundwater sample C-15/GW18-22' from screened interval at 18.0-22.0 feet. Water is turbid but cleaned up slightly. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 20-22 | Total depth = 22.0 feet. | | | | | | |

LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01


Drilling Completed: 2/24/01


Logged By: B. Lary

110135C15.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|--------------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | 3.0-inch layer of concrete. | | | | | | Concrete Cap |
| 0 - 5 | Damp, brown, micaceous, fine, sandy SILT. | | C-16/ 4-6' | | 19 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 - 10 | | | | | | | |
| 10 | Dry, brown, micaceous, fine- to medium-grained SAND. | | C-16/ 12-14' | | 40 | | HVOCs |
| 10 - 20 | | | | | | | |
| 20 | Collected groundwater sample C-16/GW19-23' from screened interval at 19.0-23.0 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 20 - 23 | Total depth = 23.0 feet. | | | | | | |
| 23 - 30 | | | | | | | |


LEGEND

 2.0-inch O.D. Direct Push soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

 Soil Analysis (HVOCs by 8260)

 Groundwater level at time of drilling

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01


Drilling Completed: 2/24/01


Logged By: B. Lary

110135/C16.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-------------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Multiple layers of concrete (8.0-10.0 inches). No sample recovery due to concrete caught near bottom of sampler. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | | | 0.0 | | |
| 10 | Dry, brown, medium-grained SAND with interbedded sandy SILT. | | | | | | |
| 15 | | | C-17/12-14' | | 0.0 | | |
| 20 | Collected groundwater sample C-17/GW19-23' from screened interval at 19.0-23.0 feet. Water is very turbid. Kept drying out during sampling. Purged with peristaltic, sampled using inertial pumping. | | | | | | |
| 25 | Total depth = 23.0 feet. | | | | | | |
| 30 | | | | | | | |


LEGEND

 2.0-inch O.D. Direct Push soil core sample with % recovered

 Groundwater Analysis (HVOCs by 8260, TPH-HCID)

Cadet Manufacturing
Vancouver, Washington

* No sample recovery

 Groundwater level at time of drilling

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01

Drilling Completed: 2/25/01

Logged By: B. Lary

110135IC17.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0

| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Voidage Readings | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-----------|-------------|------------------|--------------|---|----------|
| 0 | Approximately 6.0-inch layer of concrete. Damp, brown, micaceous, fine, sandy SILT. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. | |
| 5 | | | | | 0.0 | | | |
| 10 | Dry, brown, micaceous, medium-grained SAND with some silt. | | | | 1.4 | | | |
| 15 | | | | | | | | |
| 20 | Collected groundwater sample C-18/GW19-23' from screened interval at 19.0-23.0 feet. Purged with peristaltic, sampled using inertial pumping. Total depth = 23.0 feet. | | | | | WD | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCS by 8260)

PROJECT NUMBER: 0-61M-10135-5
Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01 Drilling Completed: 2/24/01 Logged By: B. Lary V0135C18.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 3.0-inch layer of concrete. Near C-11. No soil sampling. Trying to get groundwater sample. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. |
| 6 | | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample C-19/GW18-22' from screened interval at 18.6-22.6 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| | Total depth = 22.6 feet. | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

LEGEND

WD Groundwater level at time of drilling

△ Groundwater Analysis (HVOCs by 8280)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01



Drilling Completed: 2/24/01



Logged By: B. Lary

V0135C19.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatlie Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 3.0-inch layer of concrete. Damp, brown, micaceous, fine, sandy SILT. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | C-20/ 4-6' | | 28 | | |
| 10 | Dry, brown, micaceous, fine- to medium-grained SAND with some silt. | | | | | | |
| 15 | | | C-20/ 12-14' | | 15 | | |
| 20 | Collected groundwater sample C-20/GW18-22' from screened interval at 18.0-22.0 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 25 | Total depth = 22.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Direct Push soil core sample with % recovered
-  Groundwater level at time of drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-51M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/24/01

Drilling Completed: 2/24/01

Logged By: B. Lary

V10135C20.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Concrete. | | | | | | Concrete Cap |
| 5 | Damp, brown, micaceous, fine, sandy SILT. | | | | | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample C-21/GW19-23' from screened interval at 19.0-23.0 feet. Purged water until began to clear, plenty of water. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 25 | Total depth = 23.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

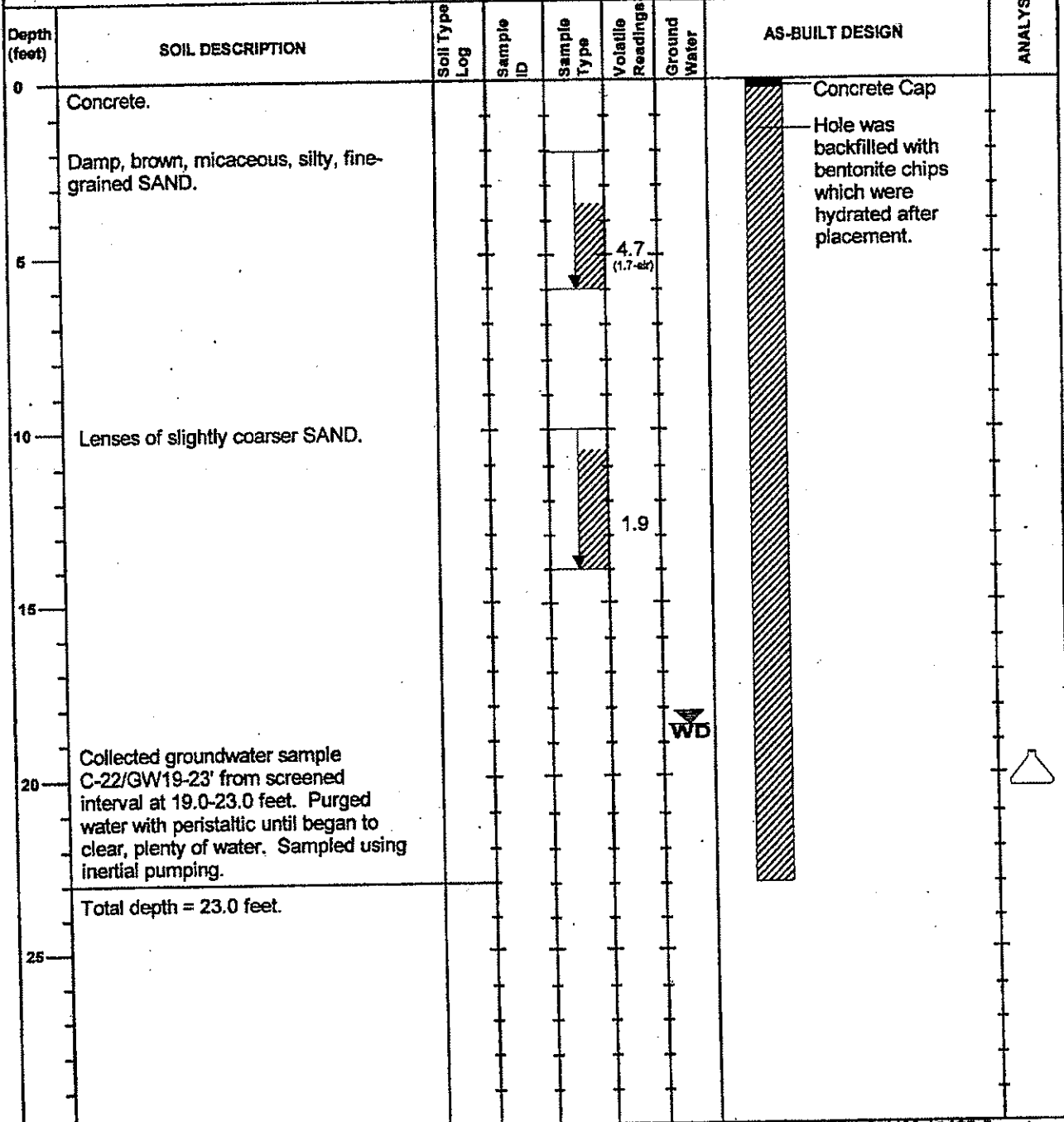
Drilling Started: 2/24/01

Drilling Completed: 2/24/01

Logged By: B. Lary

110135/C21.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0



LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)


PROJECT NUMBER: 0-61M-10135-5
 Cadet Manufacturing
 Vancouver, Washington


AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892


Drilling Started: 2/25/01 Drilling Completed: 2/25/01 Logged By: E. Lary V10135/C22.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Concrete. | | | | | | Concrete Cap |
| 0 - 10 | Damp, brown, fine, sandy SILT. | | | | 0.0 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 - 22.5 | Dry, brown, interbedded sandy SILT and micaceous, medium-grained SAND. | | | | 0.0 | | |
| 20 | Collected groundwater sample C-23/GW18.5-22.5' from screened interval at 18.5-22.5 feet. Purged water until it began to clear. Plenty of water. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 22.5 | Total depth = 22.5 feet. | | | | | | |

LEGEND

 2.0-inch O.D. Direct Push soil core sample with % recovered

 Groundwater level at time of drilling

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 638-3400 FAX (503) 620-7892

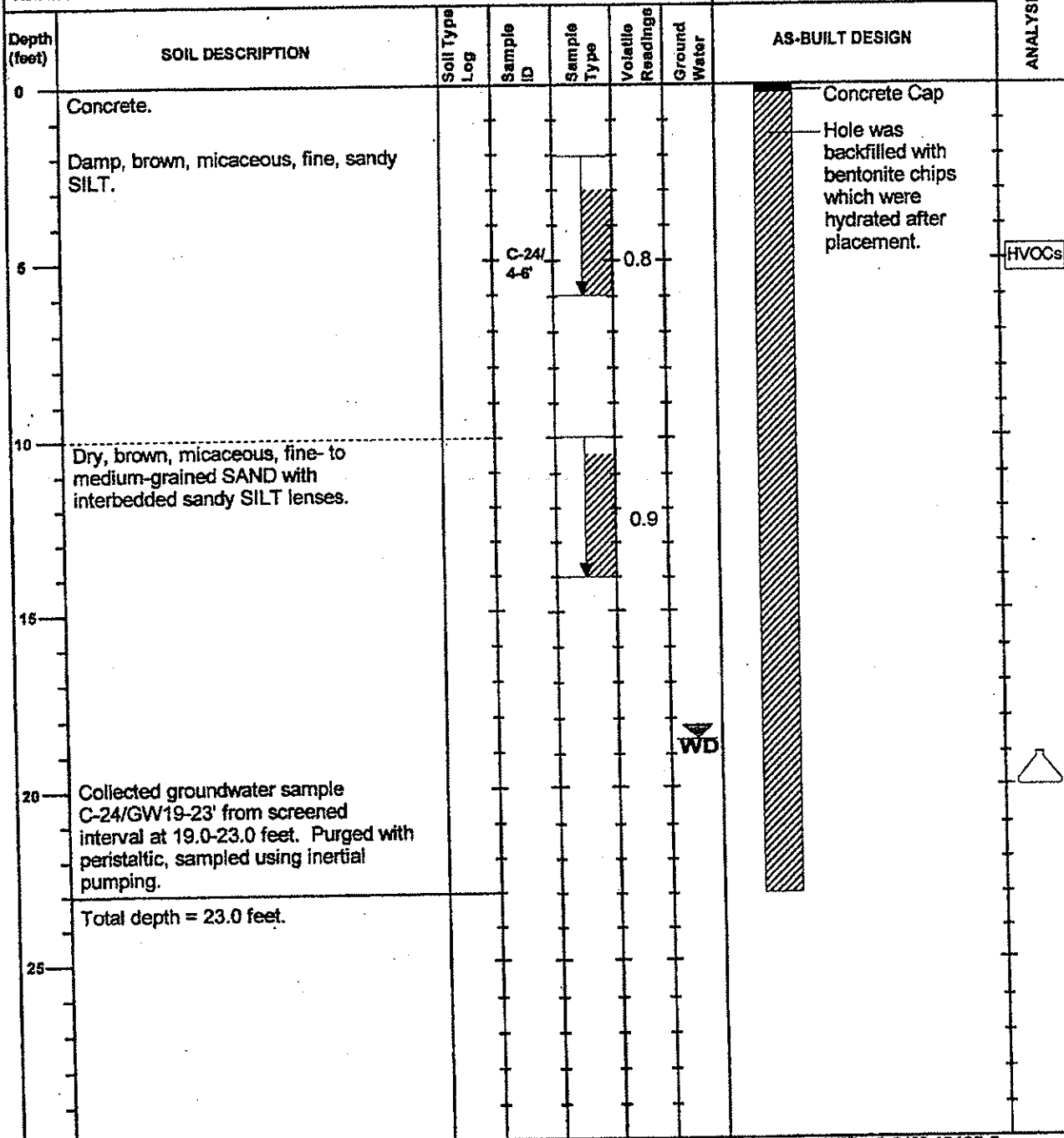
Drilling Started: 2/24/01

Drilling Completed: 2/24/01

Logged By: B. Lary

V10135/C23.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (In.): 2.0



LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)
- Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-81M-10135-5

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/25/01

Drilling Completed: 2/25/01

Logged By: B. Lary

H0135C24.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|-----------|------------------------------|------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (In.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatle Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 5.0-inch layer of concrete. | | | | | | Concrete Cap |
| 5 | Damp, brown, micaceous, fine-grained, silty SAND with organics (grass). | | | | 0.9 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | Slightly coarser SAND. | | | | 1.2 | | |
| 20 | Collected groundwater sample C-25/GW19-23' from screened interval at 19.0-23.0 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 25 | Total depth = 23.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- Groundwater level at time of drilling

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/25/01



Drilling Completed: 2/25/01



Logged By: B. Lary

110135C25.DRW

| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Direct Push | | ANALYSES | |
|---------------------------------------|---|-------------------------------|---------------|------------------------------|-------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 2.0 | | | |
| Depth (feet) | SOIL DESCRIPTION | Soil Type Log | Sample ID | Sample Type | Volatile Readings | Ground Water | AS-BUILT DESIGN |
| 0 | Approximately 5.0-inch layer of concrete. Damp, brown, micaceous, fine-grained, silty SAND. | | | | | | Concrete Cap Hole was backfilled with bentonite chips which were hydrated after placement. |
| 5 | | | C-26/ 4-6' | | 1.5 | | |
| 10 | Dry to damp, dark brown, micaceous, medium-grained SAND with some SILT. | | | | 1.5 | | |
| 15 | | | | | | | |
| 20 | Collected groundwater sample C-26/GW19-23' from screened interval at 19.0-23.0 feet. Purged with peristaltic, sampled using inertial pumping. | | | | | WD | |
| 25 | Total depth = 23.0 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

-  2.0-inch O.D. Direct Push soil core sample with % recovered
-  Groundwater level at time of drilling

-  Groundwater Analysis (HVOCs by 8260)
-  Soil Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

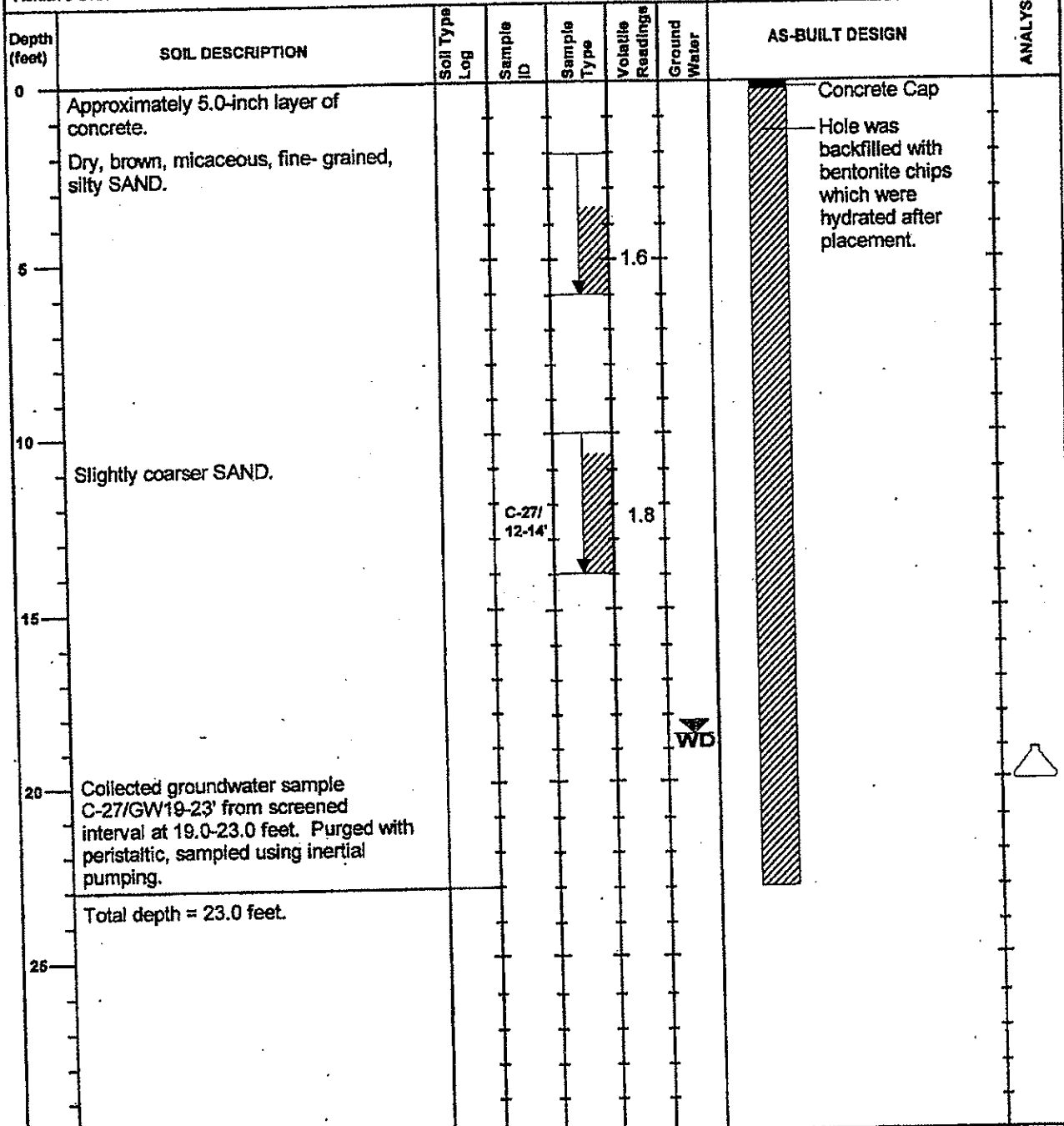
Drilling Started: 2/25/01

Drilling Completed: 2/25/01

Logged By: B. Lary

110135/C26.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (in.): 2.0



LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOcs by 8260)

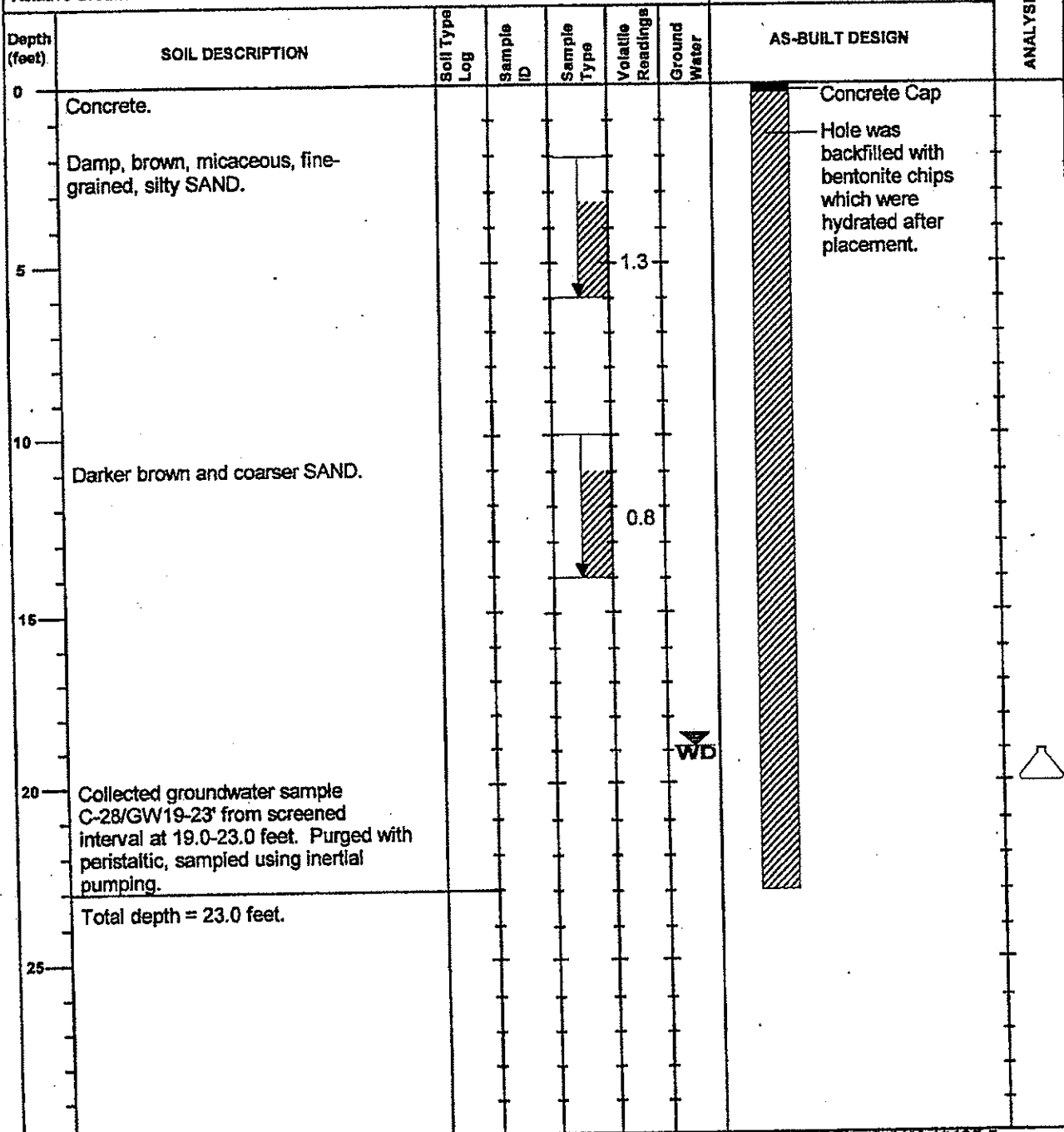
PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/25/01 Drilling Completed: 2/25/01 Logged By: B. Lary 110135/C27.DRW

Elevation Reference: NA Well Completed: NA Boring Method: Direct Push
 Relative Ground Surface Elevation: NA Relative Casing Elevation: NA Borehole Diameter (In.): 2.0



LEGEND

- 2.0-Inch O.D. Direct Push soil core sample with % recovered
- Groundwater level at time of drilling
- Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

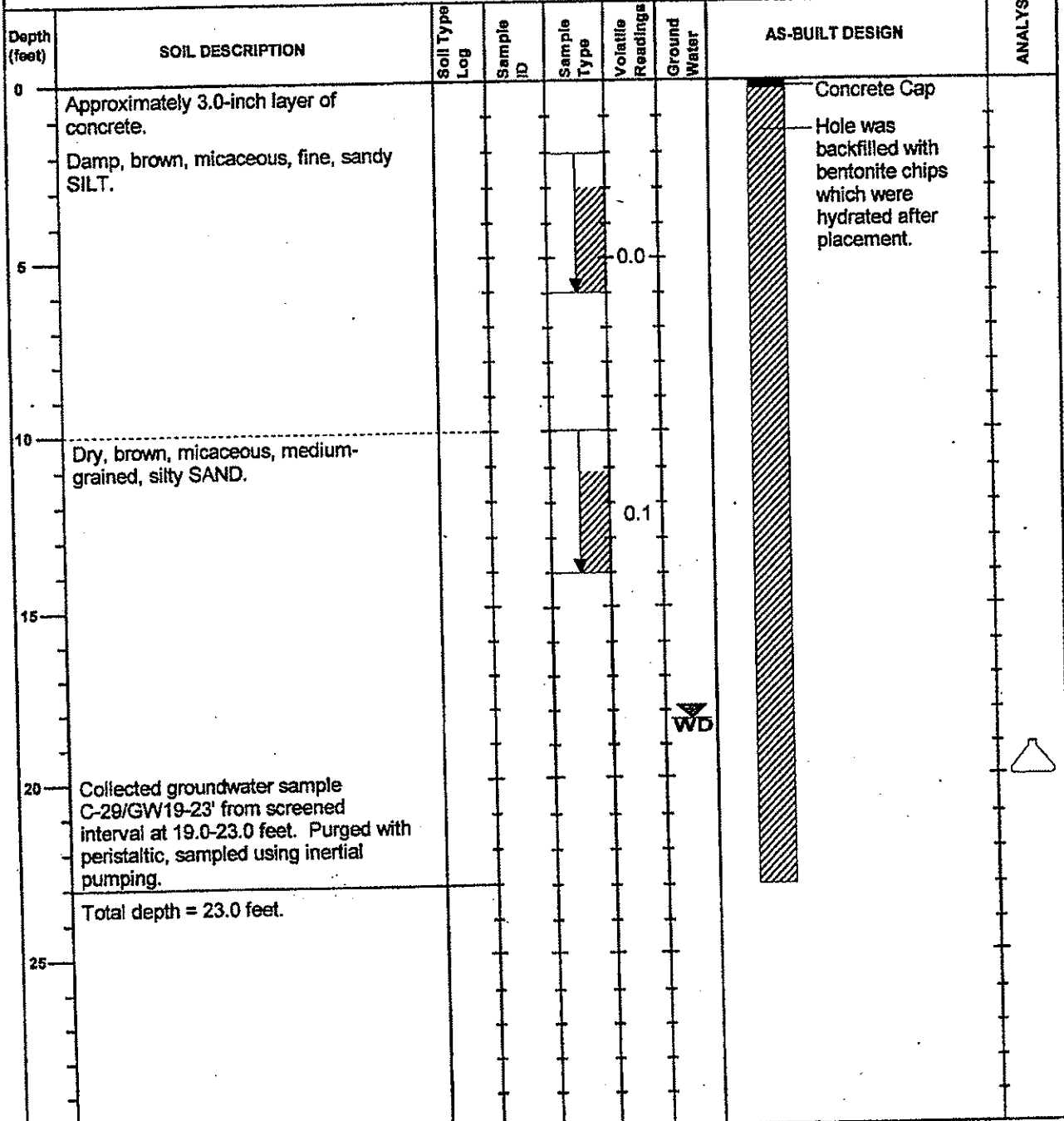
Drilling Started: 2/25/01

Drilling Completed: 2/25/01




Logged By: B. Lary

1/0135/C28.DRW

| | | |
|---------------------------------------|-------------------------------|------------------------------|
| Elevation Reference: NA | Well Completed: NA | Boring Method: Direct Push |
| Relative Ground Surface Elevation: NA | Relative Casing Elevation: NA | Borehole Diameter (in.): 2.0 |



PROJECT NUMBER: 0-61M-10135-5


| | | |
|--|---|---|
| <p style="text-align: center;">LEGEND</p> <p> 2.0-inch O.D. Direct Push soil core sample with % recovered</p> <p> Groundwater level at time of drilling</p> | <p> Groundwater Analysis (HVOCs by 8260, TPH-HCID)</p> | <p>Cadet Manufacturing Vancouver, Washington</p> <hr/> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7477 SW Tech Center Drive Portland, Oregon 97223 Phone (503) 639-3400 FAX (503) 620-7892</p> |
|--|---|---|

Drilling Started: 2/25/01

Drilling Completed: 2/25/01

Logged By: B. Lary

110135/C29.DRW


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-30 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | Stiff, medium brown, micaceous SILT, with trace sand; dry to moist. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | SILT; wet. | | 46 | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | GP | Coarse, angular GRAVEL in coarse-grained sand matrix, cobbles (up to 1.5 feet). | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/11/2002 DRILLING COMPLETED: 7/11/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Drilling gets harder at 20.0 feet below ground surface. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-30 PAGE 1 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03

△ C13/GW40
62606 for HVOC

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-30 | |
|---|-------------|-------------|--|--------|------------------------|---|-------------|----------------------|-----------------------------|----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | GP | Coarse, angular GRAVEL in coarse-grained sand matrix, cobbles (up to 1.5 feet). | | | | | | | C00/GW60 82808 for HVOC |
| 20 | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout. | | | | | | | |
| 40 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 160 | | | | | | | | | | |
| 180 | | | | | | | | | | |
| 200 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/11/2002 DRILLING COMPLETED: 7/11/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: Drilling gets harder at 20.0 feet below ground surface. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | C-30 | | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-32 |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | ML | CONCRETE floor SILT; moist | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Fine-grained SAND; wet | | 86 | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/13/2002 DRILLING COMPLETED: 7/13/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-32 PAGE 1 OF 2 | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 25/03


△ C32/GW/40
6260B for HVOC

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-32 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 40 | | | Fine-grained SAND; wet | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: | | | | |
| BOREHOLE DIAMETER: 1.8 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 7/13/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 7/13/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | C-32 | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |
| PAGE 2 OF 2 | | | | | | | | | | |



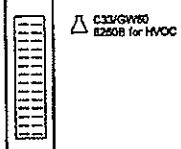
Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete.


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-33 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | ML | CONCRETE floor. Medium stiff, brown SILT; wet. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | 1.4 | | | | | |
| 20 | | | Fine-grained SAND. | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/13/2002 DRILLING COMPLETED: 7/13/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No visible NAPL. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-33 PAGE 1 OF 2 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-33 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | Fine-grained SAND. | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: No visible NAPL. | | | | |
| BOREHOLE DIAMETER: 1.6 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 7/13/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 7/13/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |
| | | | | | | C-33 | | | | |
| | | | | | | PAGE 2 OF 2 | | | | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING GDT 2/5/03



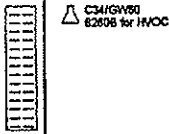
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-34 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | CONCRETE floor | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-34 | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 25/03


 GW40
 62003 for HVOC


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-34 | |
|-------------------------------|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Direct Push | | | ELEVATION REFERENCE: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| BOREHOLE DIAMETER: 1.6 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| LOGGED BY: K. Finucane | | | | | | | | | | |
| DRILLING STARTED: 7/12/2002 | | | | | | | | | | |
| DRILLING COMPLETED: 7/12/2002 | | | | | | | | | | |
| Cadet Manufacturing | | | AMEC Earth & Environmental, Inc. | | |  | | | C-34 | |
| 2-61M-10135 | | | 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | | |

ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2503



Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete.


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03

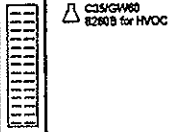
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-35 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|--------------------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Flaucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-35 PAGE 1 OF 2 | | |




△ C35/GW40
62668 for MVOC

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 25/03

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-35 | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 5 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | C-35 PAGE 2 OF 2 | |




Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout.

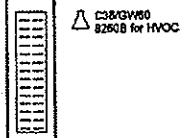
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-36 | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | CONCRETE floor | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | C-36 PAGE 1 OF 2 | |


ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03

△ C36/GW40
#2606 for HVOC

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 25403


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-36 |
|---|-------------|-------------|--|---|------------------------|--|-------------|-------------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| | | | Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete. | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.5 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: No discrete soil samples were collected. | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-36 PAGE 2 OF 2 | |



| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-37 | |
|--|-------------|-------------|--|--------|------------------------|---------------|--|----------------------|--------------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | SILT. | 15 | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | ▽ | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push ELEVATION REFERENCE: NA BOREHOLE DIAMETER: 1.6 (in) GROUND SURFACE ELEVATION: NA LOGGED BY: K. Finucane DRILLING STARTED: 7/13/2002 DRILLING COMPLETED: 7/13/2002 | | | | | | | | | REMARKS: | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | C-37 PAGE 1 OF 2 | |


ENV DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03

△ C37/GW40
62805 for HVOC

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-37 |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| <p>Total depth = 80.0 feet below ground surface. Boring was backfilled with bentonite grout.</p> | | | | | | | | | |
| <p>BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/13/2002 DRILLING COMPLETED: 7/13/2002</p> | | | <p>ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA</p> | | | <p>REMARKS: ..</p> | | | |
| <p>Cadet Manufacturing 2-61M-10135</p> | | | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | |  | | | <p>C-37</p> |
| | | | | | | | | | <p>PAGE 2 OF 2</p> |

ENV. DIRECT PUSH BORING 10195.OPJ ENVIRONMENTAL BORING.GDT 2/26/03


△ C17/GW40
B280B for TVOC

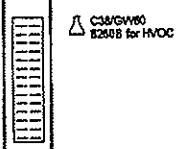
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-38 | |
|---|-------------|-------------|--|--------|------------------------|--|--|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | CONCRETE floor. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | C-38 PAGE 1 OF 2 | |

ENV. DIRECT PUSH BORING 10135.GPJ ENVIRONMENTAL BORING.GDT 2/5/03


△ C18/KH40
E2008 for HVOC

ENV. DIRECT PUSH BORING 10135 CPJ ENVIRONMENTAL BORING GDT 2/5/03

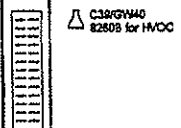
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-38 |
|---|-------------|-------------|--|--------|--|---------------|--|----------------------|-----------------------------|
| | | | | | | | | | TESTING AND LABORATORY DATA |
| 0 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | C-38 PAGE 2 OF 2 |




Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-39 | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | |
| 0 | | | CONCRETE floor. | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.8 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-39 PAGE 1 OF 2 | | |

ENV DIRECT PUSH BORING 10135 GFL ENVIRONMENTAL BORING SGT 25003



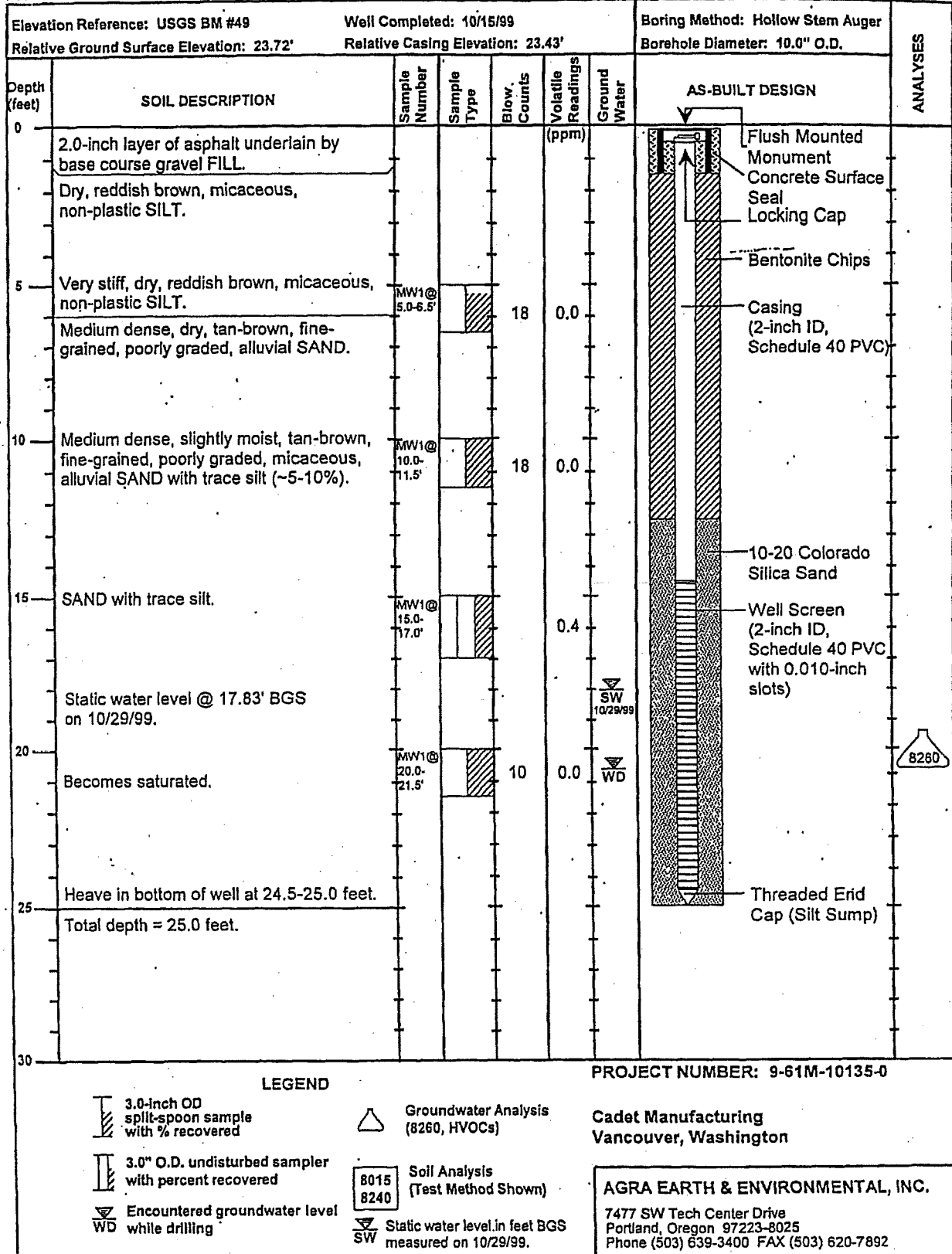
ENV. DIRECT PUSH BORING 10135 GPJ ENVIRONMENTAL BORING GDT 20503

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | VOLATILE READING (ppm) | FIELD TESTING | GROUNDWATER | GW SCREENED INTERVAL | LOG OF BORING C-39 | | |
|---|-------------|-------------|--|--------|------------------------|--|-------------|----------------------|-----------------------------|-------------|--|
| | | | | | | | | | TESTING AND LABORATORY DATA | | |
| 0 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 65 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 75 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| BORING METHOD: Direct Push BOREHOLE DIAMETER: 1.6 (in) LOGGED BY: K. Finucane DRILLING STARTED: 7/12/2002 DRILLING COMPLETED: 7/12/2002 | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA | | | REMARKS: No discrete soil samples were collected. | | | | | |
| Cadet Manufacturing 2-61M-10135 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | C-39 | | PAGE 2 OF 2 | |



Total depth = 60.0 feet below ground surface. Boring was backfilled with bentonite grout and capped with concrete.

MONITORING WELLS



LEGEND

3.0-inch OD split-spoon sample with % recovered

3.0" O.D. undisturbed sampler with percent recovered

Encountered groundwater level while drilling

Groundwater Analysis (8260, HVOCs)

Soil Analysis (Test Method Shown)

Static water level in feet BGS measured on 10/29/99.

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

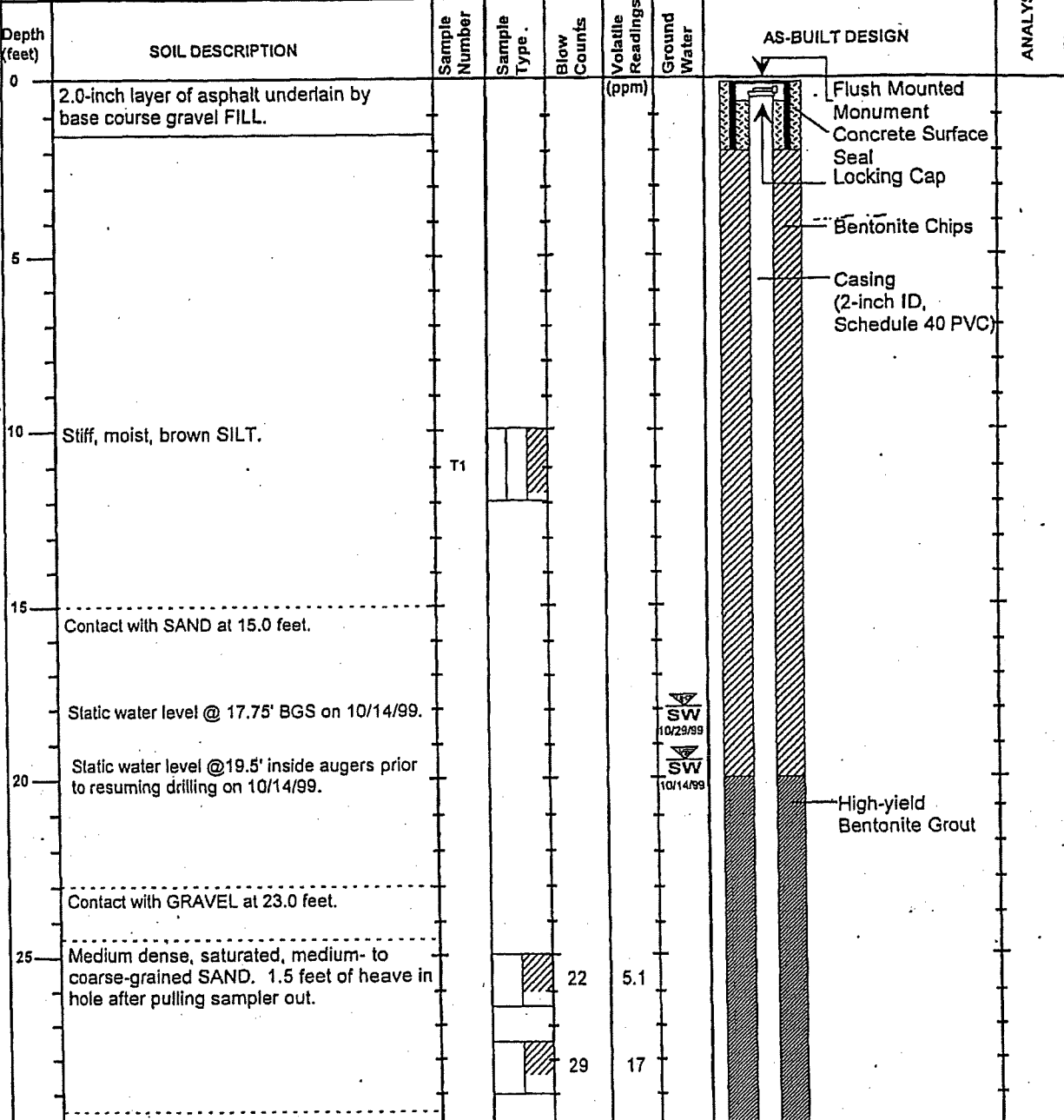
Drilling Started: 10/15/99

Drilling Completed: 10/15/99

Logged By: S. Bourcy

a:110135MW1.DRW

Elevation Reference: USGS BM #44 Well Completed: 10/14/99 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: 23.73 Relative Casing Elevation: 23.39' Borehole Diameter: 10.0" O.D.



LEGEND

- 3.0-inch OD split-spoon sample with % recovered
- 3.0" O.D. undisturbed sampler with percent recovered
- NR No sample recovery
- Encountered groundwater level while drilling
- Groundwater Analysis (8260, HVOCs)
- Soil Analysis (Test Method Shown)
- 8015 8240
- Static groundwater level in feet BGS measured on 10/29/99

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/13/99

Drilling Completed: 10/14/99

Logged By: J. Fassio/S. Bourcy

a:110135MW1A.DRW

| Elevation Reference: USGS BM #49 Relative Ground Surface Elevation: 23.73' | | Well Completed: 10/14/99 Relative Casing Elevation: 23.79' | | Boring Method: Hollow Stem Auger Borehole Diameter: 10.0" O.D. | | ANALYSES | |
|---|--|---|-------------|---|--------------------------|--|--------------|
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | | Ground Water |
| 30 | Dense, saturated, medium- to coarse-grained, gravelly SAND with basalt and quartzite pebbles. Gravel is subrounded to rounded. Noted 1.0 foot of heave in hole before sampling. Gravel content increases to 30-40%. Noted 1.0 foot of heave in hole. | | | | 9.4 | AS-BUILT DESIGN High-yield Bentonite Grout Casing (2-inch ID, Schedule 40 PVC) | |
| 35 | | Gravel content decreases to 10%. 1.0-1.5 feet of heave in hole. Collected discrete groundwater sample MW-1AGW@3-40' using an inflatable packer pump assembly.. | | | 25 | | |
| 40 | | Saturated, medium- to fine-grained SAND layer at 40.0-40.5 feet. Medium- to coarse-grained SAND at 40.5-41.0 feet. Noted 1.0 foot of heave in hole.. Sand/gravel content decreases. | | NR | 43 | | 1.6 |
| 45 | | | | | | | |
| 50 | | | | | | | |
| 55 | | | | | | | |
| 60 | GRAVEL at 47.5 feet. Collected discrete groundwater sample MW-1AGW@ 60' using an inflatable packer/pump assembly. | | | | 50+ | 0.1 | |
| | | | | | 50+ | | |

LEGEND

- 3.0-inch OD split-spoon sample with % recovered
- 3.0" O.D. undisturbed sampler with percent recovered
- NR** No sample recovery
- Encountered groundwater level while drilling
- Groundwater Analysis (8260, HVOCs)
- Soil Analysis (8240) (Test Method Shown)
- Static groundwater level in feet BGS measure on 10/29/99..

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/13/99

Drilling Completed: 10/14/99

Logged By: J. Fassio/S. Bourcy

#110135MW1APG2.DRW

| Elevation Reference: USGS BM #49 | | Well Completed: 10/14/99 | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|--|--|-----------------------------------|-------------|-------------|----------------------------------|--------------|---|
| Relative Ground Surface Elevation: 23.73 | | Relative Casing Elevation: 23.39' | | | Borehole Diameter: 10.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 60 | Medium dense to dense, saturated, brown, moderately graded, fine-grained, gravelly SAND. Gravels up to 3/8-1/2 inch in diameter. Approximately 15% fines (silt). | | | | | | High-yield Bentonite Grout |
| 65 | | | | | | | |
| 70 | Gravel and silt content increases. | | | | | | Casing (2-inch ID, Schedule 40 PVC) |
| | Clean SAND lense at 71.5-73.0 feet. (No gravel). | | | | | | |
| | Sandy GRAVEL; increasing gravel content and size. | | | | | | Bentonite Chips |
| 75 | | | | | | | |
| 80 | Collected discrete groundwater sample MW-1AGW @ 80' using an inflatable packer/pump assembly. | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | Well Screen (4.0-inch OD with 2.0-inch ID, Schedule 40 PVC with 0.010-inch slots pre-pak with 10-20 Colorado Silica Sand) |
| 85 | Harder/slower drilling below 84.0 feet (very dense, sandy GRAVEL). | | | | | | |
| 90 | | | | | | | |








PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

8310135WV1APG3.DRW

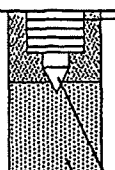
LEGEND

| | | | |
|---|--|---|------------------------------------|
|  | 3.0-inch OD split-spoon sample with % recovered |  | Groundwater Analysis (8260, HVOCs) |
|  | 3.0" O.D. undisturbed sampler with percent recovered |  | Soil Analysis (Test Method Shown) |
| NR | No sample recovery |  | Static groundwater level in feet |
|  | Encountered groundwater level while drilling |  | BGS measured on 10/29/99.. |

Drilling Started: 10/13/99

Drilling Completed: 10/14/99

Logged By: J. Fassio/S. Bourcy







| Elevation Reference: USGS BM #49 | | Well Completed: 10/14/99 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|---|--|-----------------------------------|-------------|-------------|--------------------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: 23.73' | | Relative Casing Elevation: 23.39' | | | | Borehole Diameter: 10.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | Very slow drilling (35 minutes to drill 4.0 feet). Drilling refusal encountered @ 94.0' i.e.: worn bit. | | | | | |  <p>Well Screen (4.0-inch OD with 2.0-inch ID, Schedule 40 PVC with 0.010-inch slots pre-pak with 10-20 Colorado Silica Sand) Threaded End Cap (Silt Sump) Sand Heave</p> | |
| 95 | Total depth = 94.0 feet. | | | | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

PROJECT NUMBER: 9-61M-10135-0

**Cadet Manufacturing
Vancouver, Washington**

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

LEGEND

-  3.0-inch OD split-spoon sample with % recovered
-  3.0" O.D. undisturbed sampler with percent recovered
- NR No sample recovery
-  Encountered groundwater level while drilling
-  Groundwater Analysis (8260, HVOCs)
-  Soil Analysis (Test Method Shown)
8015
8240
-  Static groundwater level in feet BGS measured on 10/29/99.

Drilling Started: 10/13/99 Drilling Completed: 10/14/99 Logged By: J. Fassio/S. Bourcy

Elevation Reference: Well Completed: 5/1/01 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 10.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|-------------------------------------|---------------|-------------|-------------|-------------------------|--------------|---|--|----------|
| | | | | | | | | | |
| 0 | Asphalt. | | | | | | Multi-purge Manifold | | |
| | Damp, brown, silty, micaceous SAND. | | | | | | Concrete Vault (2.5' X 2.5') with Metal Hinged Lid | | |
| 5 | | | | | | | Bentonite Chips | | |
| | Small GRAVEL. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | | |
| 10 | | | | | | | Void at 8-16 feet filled with Bentonite Chips, Bentonite Grout, and Pea Gravel (1") | | |
| 15 | | | | | | | | | |
| 20 | Moist, sandy, fine GRAVEL. | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | 20/40 Colorado Silica Sand | | |

PROJECT NUMBER: 0-61M-10135-5 T3

LEGEND

- Encountered groundwater level while drilling
- Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

10135MW1d.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|---------------------------|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Problems with moist to wet SAND and GRAVEL clogging casing. Added water. | | | | | | 20/40 Colorado Silica Sand | |
| 35 | Coarser (medium to large) GRAVEL. Groundwater coming up. | | | | | WD | Casing (2-inch ID, Schedule 80 PVC) | |
| 40 | Wet, black, coarse, sandy GRAVEL with little silt. | | | | | | 8/12 Colorado Silica Sand | △ |
| | | | | | | | Port #5 (39.75-40.25) | |
| 45 | Coarser GRAVEL, very little silt and fine-grained sand. | | | | | | 20/40 Colorado Silica Sand | |
| 50 | | | | | | | | |
| 55 | Larger GRAVEL (very hard drilling). | | | | | | | |
| 60 | Producing large volumes of water. | | | | | | | |

LEGEND

WD Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG2.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--------------|-------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 60 | Wet, black, coarse, sandy GRAVEL (predominantly basalt with some quartz and igneous rocks). | | | | | | 20/40 Colorado Silica Sand | | |
| 65 | | | | | | | Casing (2-inch ID; Schedule 80 PVC) | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | Rounded to subrounded, large GRAVEL and COBBLES. | | | | | | | | |
| | Slightly smaller GRAVEL and COBBLES (fewer cobbles). | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOcs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.




7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01


Drilling Completed: 5/1/01

Logged By: B. Lary

V10135MW1dFIG3.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 90 | Interbedded medium to large GRAVEL with few cobbles. | | | | | |  20/40 Colorado Silica Sand | | |
| 95 | | | | | | |  Casing (2-inch ID, Schedule 80 PVC) | | |
| 100 | | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | Fine GRAVEL and coarse-grained SAND with some larger (approximately 1.0-inch) gravel. Easier drilling. | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | |  8/12 Colorado Silica Sand | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG4.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|---|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 120 | Black, gravelly, coarse-grained SAND with fine, rounded to subrounded gravel (up to 1.0-inch), predominantly basalt. | | | | | | <p>8/12 Colorado Silica Sand Port #4 (120.25-120.75)</p> <p>20/40 Colorado Silica Sand</p> <p>Casing (2-inch ID, Schedule 80 PVC)</p> | △ | |
| 125 | | | | | | | | | |
| 130 | | | | | | | | | |
| 135 | Larger GRAVEL (3.0-inch plus) at 135.0-138.0 feet. | | | | | | | | |
| 140 | | | | | | | | | |
| 145 | | | | | | | | | |
| 150 | | | | | | | | | |

LEGEND

▽ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG5.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|------------------------|--------------|---------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 150 | Sandier, occasional gravel (1.0-inch plus) interbedded with sandy gravel. | | | | | | | | |
| 155 | | | | | | | | | |
| 160 | Wet, brown to black, micaceous, sandy GRAVEL with some rounded to subrounded gravel (1.0-inch). | | | | | | | | |
| 165 | | | | | | | | | |
| 170 | | | | | | | | | |
| 175 | | | | | | | | | |
| 180 | Increase in GRAVEL sizes (1.0-inch to 3.0-inch). Interbedded fine GRAVEL layers, predominantly basalt although approximately 10-20% other (granite, quartzite, and other igneous). | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG6.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|-------------------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 180 | | | | | | | 20/40 Colorado Silica Sand | | |
| | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | | |
| 185 | Hit large COBBLE with casing. | | | | | | | | |
| | | | | | | | 8/12 Colorado Silica Sand | | |
| 190 | | | | | | | | | |
| | | | | | | | Port #2 (193.25-193.75) | △ | |
| 195 | Interbedded small GRAVEL and large GRAVEL with abundant sand at 195.0-205.0 feet. | | | | | | 20/40 Colorado Silica Sand | | |
| | | | | | | | | | |
| 200 | Small to large, subrounded to rounded GRAVEL, predominantly basalt with 10-20% other igneous. Producing large amounts of groundwater in coarse gravel. | | | | | | | | |
| | | | | | | | | | |
| 205 | | | | | | | | | |
| | | | | | | | | | |
| 210 | | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG7.DRW

| Elevation Reference: | | Well Completed: 5/1/01 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|---------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 210 | | | | | | | | | |
| 215 | | | | | | | | | |
| 220 | | | | | | | | | |
| 225 | Very large GRAVEL and COBBLES at approximately 222.0-223.0 feet. Water production jumped to approximately 1,000 GPM. | | | | | | | | |
| 230 | Total depth = 228.0 feet. Installed multi-port well. | | | | | | | | |
| 235 | | | | | | | | | |
| 240 | | | | | | | | | |

LEGEND:

Encountered groundwater level while drilling
 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-5 T3
Cadet Manufacturing
Vancouver, Washington

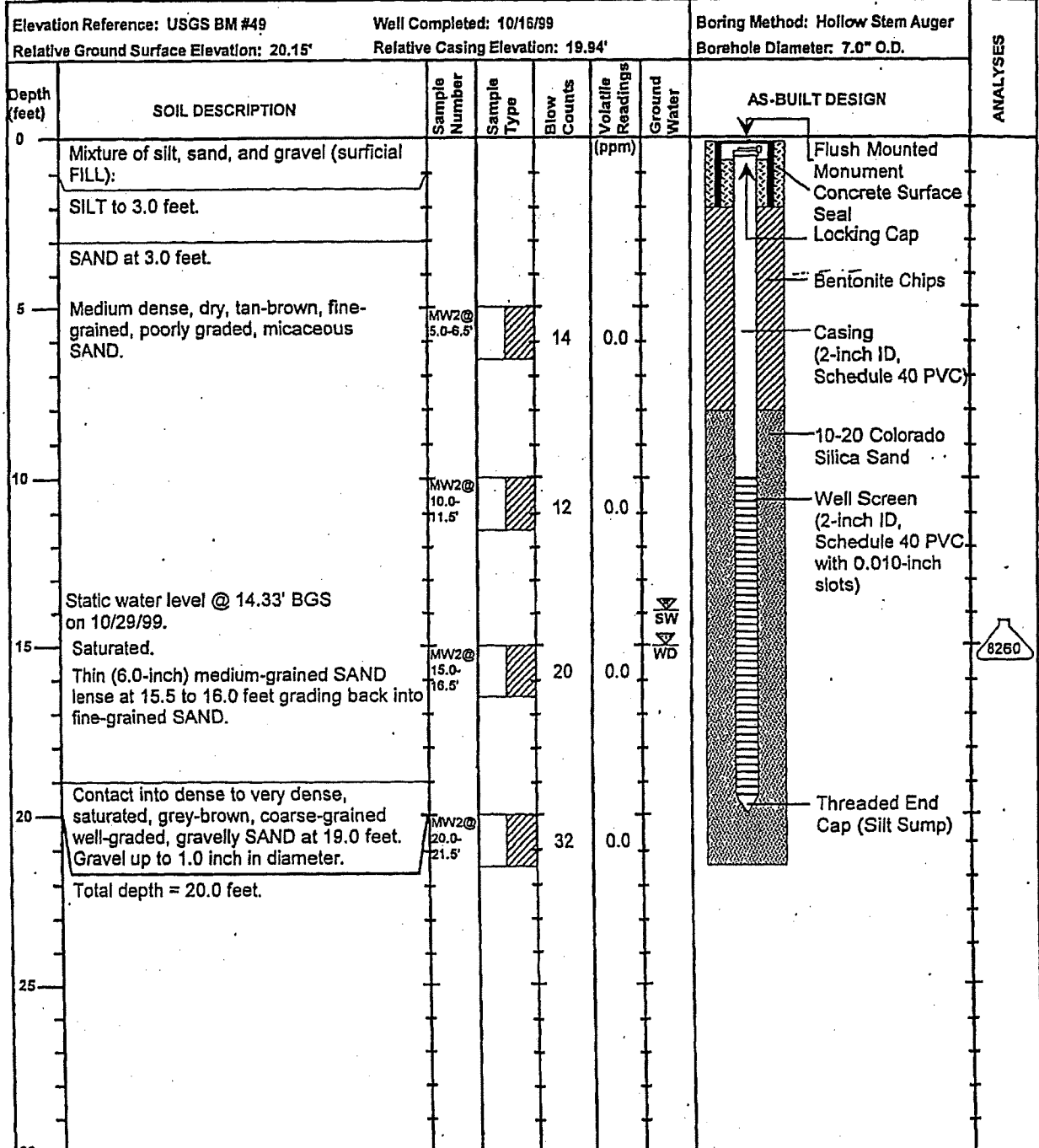
AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/23/01

Drilling Completed: 5/1/01

Logged By: B. Lary

110135MW1dPG8.DRW



PROJECT NUMBER: 9-61M-10135-0

LEGEND

- [Hatched Box] 2.0-inch OD split-spoon sample with % recovered
- [Triangle] Groundwater Analysis (8260, HVOCs)
- [Inverted Triangle] Encountered groundwater level while drilling
- [Square with 8015/8240] Soil Analysis (Test Method Shown)
- [SW Symbol] Static water level in feet BGS, measured on 10/29/99.

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/16/99

Drilling Completed: 10/16/99

Logged By: S. Bourcy

10135MW2.DRW

| Elevation Reference: | | Well Completed: 11/15/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--------------|---------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| +5 | | | | | | | | | |
| 0 | Vegetation. Moist, brown, fine, sandy SILT. | | | | | | | | |
| 5 | Grading to fine-grained, silty SAND. | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | Sandy GRAVEL. Moist to wet. | | | | | | | | |
| 25 | Wet, brown, sandy, subrounded to subangular GRAVEL. | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (HVOCs by 8260)

**Cadet Manufacturing
Vancouver, Washington**

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fasslo

V10135MW2d.DRW

Elevation Reference: Well Completed: 11/15/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| | | | | | | | | |
| 25 | | | | | | | Bentonite Grout | |
| 30 | Coarser GRAVEL. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 35 | Interbedded, saturated, brown, gravelly SAND with wet, brown and black, sandy gravel (varying sizes fine to coarse) | | | | | | | |
| 40 | Interbedded gravelly SANDS and sandy GRAVELS. (Some intervals are very wet to saturated.) | | | | | | | |
| 45 | Producing quite a bit of water. | | | | | | | |
| 50 | Less sand. | | | | | | | |
| 55 | | | | | | | | |

LEGEND
 Encountered groundwater level while drilling
 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
 Vancouver, Washington


AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 820-7892

Drilling Started: 11/9/00


Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fassio

Y0135MW2dPG2.DRW

| Elevation Reference: | | Well Completed: 11/15/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|---------------------------|-------------------------------------|---|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 55 | | | | | | | Bentonite Grout | |
| 60 | High water production. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 65 | Wet, black, fine to coarse GRAVEL with occasional sand lenses. | | | | | | | |
| 70 | | | | | | | | |
| 75 | Wet, black, medium to coarse, rounded GRAVEL with little to no sand. | | | | | | | |
| 80 | Collected groundwater sample 11/10/00-MW2d/GW80. | | | | | | |  |
| 85 | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCS by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fassio

110135MW2dPG3.DRW

| Elevation Reference: | | Well Completed: 11/15/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|---------------------------|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 85 | Interbedded, coarse and small GRAVEL with occasional sand. | | | | | | Bentonite Grout | |
| 90 | Increased sand. High water production. | | | | | | Casing (2-Inch ID, Schedule 80 PVC) | |
| 95 | | | | | | | | |
| 100 | Interbedded SAND lenses with sandy gravel. | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.



7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00


Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fassio

110135MW2dPG4.DRW

| Elevation Reference: | | Well Completed: 11/15/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 115 | Uniform, small GRAVEL with some larger gravel grading to larger (medium) GRAVEL. | | | | | |  <p>Bentonite Grout</p> <p>Casing (2-inch ID, Schedule 80 PVC)</p> | | |
| 120 | Collected groundwater sample MW2d/GW120 on 11/10/00. Uniform, small GRAVEL with some larger gravel and little coarse-grained sand. | | | | | |  | | |
| 125 | | | | | | | | | |
| 130 | | | | | | | | | |
| 135 | | | | | | | | | |
| 140 | Occasional coarser gravel. | | | | | | | | |
| 145 | Small, interbedded SANDS or sandier GRAVELS. | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fassio



110135MW2dPG5.DRW

Elevation Reference: Well Completed: 11/15/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| | | | | | | | | |
| 145 | | | | | | | Bentonite Grout | |
| | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 150 | | | | | | | | |
| | Heaving fine-grained SAND. | | | | | | | |
| 155 | | | | | | | | |
| | Heaving fine-grained SAND. | | | | | | | |
| 160 | | | | | | | | |
| | GRAVEL with some sand. | | | | | | | |
| 165 | | | | | | | | |
| 170 | Collected groundwater sample MW2d/GW170 on 11/10/00. | | | | | | | △ |
| 175 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-3

LEGEND

 Encountered groundwater level while drilling
 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00 Drilling Completed: 11/15/00 Logged By: B. Lary/J. Fassio

| Elevation Reference: | | Well Completed: 11/15/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--------------|-------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 175 | interbedded, fine- to medium-grained, gravelly SANDS and GRAVELS. | | | | | | Bentonite Grout | | |
| 180 | Sand content increases at 180.0-187.0 feet. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | | |
| 185 | | | | | | | | | |
| 190 | Sand content decreases at 187.0-198.0 feet. Water appears to be less turbid at this interval. | | | | | | | | |
| 195 | Drilled through COBBLES at 195.0-198.0 feet (high percentage of angular drill chips). | | | | | | | | |
| 200 | Fine- to medium-grained SAND with trace silt. Groundwater is very turbid. | | | | | | | | |
| 205 | Becomes gravelly (10% gravel content). | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling



Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/15/00

Logged By: B. Lary/J. Fassio ^{10135MW2dPG7.DRW}

Elevation Reference: Well Completed: 11/15/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|---|----------|
| | | | | | | | | |
| 205 | | | | | | | Bentonite Grout | |
| 210 | SAND heaved into casing when driller tripped 20.0-foot rod out of hole. Sandy GRAVEL interlayered with thin, sand lenses. Harder drilling. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 215 | | | | | | | 20-40 Colorado Silica Sand | |
| 220 | Sand content decreases at 220.0-230.0 feet. Greater water production at 220.0- 230.0 feet. | | | | | | 10-20 Colorado Silica Sand | |
| 225 | | | | | | | Pre-pack Screen (2-inch ID, Schedule 80 PVC with 0.010-inch slots and 20-40 Colorado Silica Sand) | |
| 230 | Total depth = 230.0 feet. | | | | | | End Cap | |
| 235 | | | | | | | | |

LEGEND
 ▽ Encountered groundwater level while drilling
 △ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3
 Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 839-3400 FAX (503) 620-7892

| Elevation Reference: USGS BM #49 | | Well Completed: 10/16/99 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|---|--|----------------------------------|-------------|-------------|--------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: 23.27' | | Relative Casing Elevation: 22.96 | | | | Borehole Diameter: 7.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 1.5-inch layer of asphalt underlain by base course gravel FILL (subbase). | | | | | | | |
| | Dry, reddish brown, micaceous SILT (in cuttings). | | | | | | | |
| 5 | Borehole VOC screening (open auger). Medium dense, dry, tan-brown, fine-grained, poorly graded, micaceous SAND with trace silt (in cuttings). | | | | 0.0 | | | |
| 10 | Borehole VOC screening (open auger). | | | | 0.0 | | | |
| 15 | Borehole VOC screening (open auger). | | | | 0.0 | | | |
| | Static water level @ 17.38' BGS on 10/29/99. | | | | | SW | | |
| 20 | Borehole VOC screening (open auger). | | | | 0.0 | WD | | 8260 |
| 25 | Total depth = 25.0 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

WD Encountered groundwater level while drilling

Groundwater Analysis (8260, HVOCs)

SW Static Water Level in feet BGS measured on 10/29/99.

8015 8240 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/16/99

Drilling Completed: 10/16/99

Logged By: S. Bourcy

110135MW3.DRW

| Elevation Reference: | | Well Completed: 9/4/02 | | Boring Method: Air Rotary | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|---|--------------------------|--------------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' | | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | ASPHALT, approximately 2.0-inch to 3.0-inch layer. | | | | | | Multi-purge Manifold |
| | SILTY SAND (SM), loose, damp, medium to light brown, very fine- to fine-grained, trace to some silt. | | | | | | Concrete Vault (2.5' X 2.5') with Metal Hinged Lid |
| 5 | | | | | | | Bentonite Chips |
| | | | | | | | Casing (2-inch ID, Schedule 80 PVC) |
| 10 | | | | | | | |
| 15 | SILTY SAND (SM), loose, damp to moist, medium brown, very fine- to fine-grained. | | | | | | |
| | SAND (SP), wet, fine- to medium-grained, (coarsening - losing silt), some fine, subangular gravel. | | | | | WD | |
| 20 | GRAVELLY SAND (SW), loose, wet, medium- to very coarse-grained, with gravel, 1.0-inch to 2.0-inch, subangular to subrounded, basalt (75%), chert, quartzite, and other (25%), trace clay. | | | | | | |
| 25 | GRAVELLY SAND (SW), wet, medium- to very coarse-grained, some gravel, 0.5-inch to 1.0-inch, subangular to subrounded, trace silt. | | | | | | |
| 30 | GRAVELLY SAND to SANDY GRAVEL (SW), wet to saturated, coarse- to very coarse-grained sand, fine to coarse gravel, < 0.5-inch to 1.0-inch, subangular to rounded, basalt (90%), quartzite and other (10%). | | | | | | |

PROJECT NUMBER: 2-61M-10135-0

LEGEND

WD Encountered groundwater level while drilling

△ Groundwater Analysis (Test Method Shown)

SW Static water level

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

V10135MW3d.DRW

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

Elevation Reference: Well Completed: 9/4/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-170.0"
 6.0" 170.0-227.8'

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| | | | | | | | | |
| 30 | GRAVELLY SAND to SANDY GRAVEL (SW/GW), wet to saturated, coarse- to very coarse-grained sand, gravel, fine to coarse, < 0.5-inch to 1.0-inch, subangular to rounded, basalt (90%), quartzite and other (10%). | | | | | | Bentonite Chips | |
| 35 | GRAVELLY SAND (SW), wet, dark gray, medium- to very coarse-grained, well-graded, with some fine gravel, subangular to subrounded, occasional coarse gravel, subrounded. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | GRAVELLY SAND (SW), wet, dark gray to black, medium- to very coarse-grained, well-graded, subangular to subrounded; basalt (90%), chert, quartzite, and other (10%), some gravel, fine to coarse, up to 2.0-inch (average <= 0.5-inch), subrounded. | | | | | | 20/40 Colorado Silica Sand | |
| 55 | Zone of higher water production at 56.0-60.0 feet below ground surface. | | | | | | 10/20 Colorado Silica Sand | |
| | | | | | | | 8/12 Colorado Silica Sand | |
| 60 | | | | | | | Port #5 (59.2-59.7 Feet) | 8260 |

PROJECT NUMBER: 2-61M-10135-0

LEGEND

Encountered groundwater level while drilling (WD)
 Groundwater Analysis (Test Method Shown)
 Static water level (SW)

• No soil sampling. Descriptions are based on soil cuttings and drilling character.

Cadet Manufacturing
 Vancouver, Washington
AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

10135MW3dPG2.DRW

| Elevation Reference: | | Well Completed: 9/4/02 | | Boring Method: Air Rotary | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|---|-------------------------|--------------|-------------------------------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' | | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 60 | Intermittent GRAVEL (GW) interbeds, < 1.0-foot thick, coarse, some angular chips, (lose fine-grained sand). | | | | | | 8/12 Colorado Silica Sand |
| 65 | GRAVELLY SAND to SANDY GRAVEL (SW/GW), medium- to coarse-grained sand, subangular to subrounded, well-graded, with coarse gravel, 2.0-inch to 3.0-inch, rounded. | | | | | | 10/20 Colorado Silica Sand |
| 70 | Zone of higher water production at 70.0-74.0 feet below ground surface. | | | | | | Casing (2-inch ID, Schedule 80 PVC) |
| 75 | SANDY GRAVEL (GW), fine to coarse gravel, 1.0-inch to 2.0-inch, subangular to rounded, with some coarse- to very coarse-grained, angular sand. Grades to GRAVELLY SAND (SW). | | | | | | |
| 80 | Overall higher water production at 80.0 feet below ground surface. | | | | | | |
| 85 | SANDY GRAVEL to GRAVELLY SAND (GW/SW), coarse gravel, predominantly 1.0-inch to 2.0-inch, with up to 4.0-inch to 5.0-inch gravel, and angular to subangular, coarse- to very coarse-grained sand, well-graded. Relatively high water production. | | | | | | |
| 90 | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling
WD

△ Groundwater Analysis (Test Method Shown)

▼ Static water level
SW

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

110135MW3dPG3.DRW

| Elevation Reference: | | Well Completed: 9/4/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | Hard advancement, very slow, very high water production. | | | | | | 10/20 Colorado Silica Sand | |
| 95 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| | SANDY GRAVEL (GW), abundant angular chips. | | | | | | 8/12 Colorado Silica Sand | |
| 100 | Maintain hard advancement, high water production. | | | | | | Port #4 (99.7-100.2 Feet) | 8260 |
| | SANDY GRAVEL (GW), fine to coarse gravel, 2.0-inch to 4.0-inch, rounded, with abundant coarse- to very coarse-grained sand, subangular to subrounded. | | | | | | 10/20 Colorado Silica Sand | |
| 105 | Slow advancement, high water production. | | | | | | | |
| | GRAVELLY SAND (SW), medium- to coarse-grained, well-graded, angular to rounded, with fine gravel, 0.5-inch to 1.0-inch, rounded (no coarse gravel). | | | | | | | |
| 110 | SAND (SW), medium- to very coarse-grained, moderately to well-graded, with some fine gravel, subrounded, basalt (90%), other (10%). | | | | | | | |
| | Continued high water production. | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

WD Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

SW Static water level

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02



Drilling Completed: 9/4/02

Logged By: C. Bartlett

V10135MW3dPG4.DRW

| Elevation Reference: | | Well Completed: 9/4/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|---|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 120 | SAND (SW), medium- to very coarse-grained, moderately to well-graded, subangular, with some fine, subrounded gravel, basalt (90%), quartzite and volcanics (10%). Maintain high water production. | | | | | | 10/20 Colorado Silica Sand | |
| 125 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 130 | | | | | | | | |
| 135 | | | | | | | | |
| 140 | | | | | | | 8/12 Colorado Silica Sand | |
| | | | | | | | Port #3 (140.2-140.7 Feet) | 8280 |
| 145 | | | | | | | 10/20 Colorado Silica Sand | |
| 150 | SAND (SW), medium- to very coarse-grained. | | | | | | | |

LEGEND

-  Encountered groundwater level while drilling (WD)
-  Static water level (SW)

 Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

110135MW3dPG5.DRW

| | | |
|------------------------------------|----------------------------|---|
| Elevation Reference: | Well Completed: 9/4/02 | Boring Method: Air Rotary |
| Relative Ground Surface Elevation: | Relative Casing Elevation: | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' |

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| 150 | SAND (SW), medium- to very coarse-grained. | | | | | | 10/20 Colorado Silica Sand | |
| 155 | SILTY SAND to SAND (SP), dark chocolate brown, very fine- to fine-grained, trace to some silt, occasional fine gravel, abundant pyrite, mica. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 160 | Interbedded with SANDY GRAVEL (GW), very fine- to fine-grained sand, some silt (matrix), zones of fine to coarse angular gravel, occasional rounded gravel average 0.5-inch to 1.0-inch, abundant very coarse-grained sand. (Gravel percentage increases at 157.0 feet below ground surface.) | | | | | | | |
| 165 | | | | | | | | |
| 170 | SAND (SW), very coarse-grained, fine to coarse, angular to rounded gravel, (no fine-grained component) at 165.0 feet below ground surface. Water production increases significantly (> 70 gpm). Minor iron-oxide coatings, very fine- to fine-grained, sandy cementation at 167.0 feet below ground surface. Dramatic increase in water production. Switched to 6.0-inch casing at 170.0 feet below ground surface. | | | | | | | |
| 175 | SANDY GRAVEL (GW), fine, subrounded gravel with coarse- to very coarse-grained sand, trace silt and very fine-grained sand. | | | | | | | |
| 180 | Dark brown drill water. | | | | | | 8/12 Colorado Silica Sand | |

PROJECT NUMBER: 2-61M-10135-0

| | | |
|---|---|---|
| <p>LEGEND</p> <p>▼ Encountered groundwater level WD while drilling</p> <p>▼ Static water level SW</p> <p>* No soil sampling. Descriptions are based on soil cuttings and drilling character.</p> | <p>△ Groundwater Analysis (Test Method Shown)</p> | <p>Cadet Manufacturing Vancouver, Washington</p> |
|---|---|---|

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

110135\WW3dPG6.DRW

Elevation Reference: Well Completed: 9/4/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-170.0'
 6.0" 170.0-227.8'

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 180 | SANDY GRAVEL (GW). | | | | | | | 8280 |
| 185 | SANDY GRAVEL (GW), medium- to very coarse-grained, angular to subrounded gravel. Lithology variability decreases, basalt (85-90%). Water production decreases. Increasing fine- to medium-grained sand, iron-oxide coatings, (no larger cobbles and occasional cementation) at 185.0-187.0 feet below ground surface. | | | | | | | |
| 190 | | | | | | | | |
| 195 | GRAVELLY SAND (SW), very fine- to fine- to very coarse-grained, subangular to subrounded, some fine gravel, 0.25-inch to 0.5-inch, subrounded to rounded, trace to minor silt. High water production but lower than at 169.0 feet below ground surface. Dark brown drill water. | | | | | | | |
| 200 | GRAVELLY SAND (SW), medium- to very coarse-grained, moderately sorted, subangular to rounded, some fine, subrounded gravel with iron-oxide coatings, no cementation. Moderate water production. | | | | | | | |
| 205 | | | | | | | | |
| 210 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling
 WD

△ Groundwater Analysis (Test Method Shown)

▼ Static water level
 SW

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

110135MW3dPG7.DRW

| Elevation Reference: | | Well Completed: 9/4/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|---|-------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-170.0' 6.0" 170.0-227.8' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 210 | | | | | | | | |
| 215 | Harder casing advancement, water production increases, water coming out of casing. GRAVELLY SAND (SW), coarse- to very coarse-grained, poorly sorted, coarse, rounded gravel, trace cementation. Increasing very fine- to fine-grained sand. Very hard drilling, slight increase in water production at 217.0 feet below ground surface. | | | | | | 10/20 Colorado Silica Sand Casing (2-inch ID, Schedule 80 PVC) | |
| 220 | | | | | | | | |
| 225 | Slight increase in gravel size (up to 3.0-inch), rounded, slight increase in cementation. Maintain high to very high water production (> 100 gpm). | | | | | | 8/12 Colorado Silica Sand | |
| 230 | Total depth = 227.8 feet below ground surface. | | | | | | Port #1 (226.2-226.7 Feet) End Cap | 62808 HVOCs |
| 235 | | | | | | | | |
| 240 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (Test Method Shown)

▼ Static water level

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/30/02

Drilling Completed: 9/4/02

Logged By: C. Bartlett

V10135MW3dPG8.DRW

| Elevation Reference: USGS BM #49 | | Well Completed: 10/15/99 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|---|---|-----------------------------------|-------------|----------------------------------|-------------------------|--------------|--|
| Relative Ground Surface Elevation: 30.19' | | Relative Casing Elevation: 19.84' | | Borehole Diameter: 10.0" O.D. | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 1.5-inch layer of asphalt underlain by base course gravel FILL. Dry, reddish brown SILT (in cuttings). | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap Bentonite Chips |
| 5 | Stiff, dry, brown, micaceous, non-plastic SILT to 5.5 feet. Medium dense, dry, tan-brown, fine-grained, poorly sorted, micaceous SAND with trace silt (<5-10%). | MW4@ 5.0-6.5' | | 16 | 0.0 | | Casing (2-inch ID, Schedule 40 PVC) |
| 10 | Medium dense, dry, tan-brown, fine-grained, poorly sorted, micaceous SAND with trace silt (5%). | MW4@ 10.0-11.5' | | 24 | 3.0 | | |
| 15 | Grading into slightly moist, fine- to medium-grained, clean SAND at 15.5 feet (little to no fines). | MW4@ 15.0-18.5' | | 29 | 0.2 | | 10-20 Colorado Silica Sand Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots) |
| 20 | Contact into sandy GRAVEL to gravelly SAND at 18.0 feet. Very dense, moist, brown, medium- to coarse-grained, well-graded, gravelly SAND to sandy GRAVEL. Gravel up to 2.0 inches in diameter. | MW4@ 20.0-21.5' | | 50+ | | | |
| 25 | Static water level @ 24.38' BGS on 10/29/99. | | | | | SW | |
| 30 | Total depth = 30.0 feet. | | | | | WD | Threaded End Cap (Silt Sump) |

PROJECT NUMBER: 9-61M-10135-0

LEGEND

- 3.0-inch OD split-spoon sample with 1/4 recovered
- Groundwater Analysis (8260, HVOCs)
- Encountered groundwater level while drilling
- Soil Analysis (Test Method Shown)
- Static water level in feet BGS measured on 10/29/99.

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/15/99

Drilling Completed: 10/15/99

Logged By: S. Bourcy

a:10135MW4.DRW

| | | |
|------------------------------------|----------------------------|----------------------------------|
| Elevation Reference: | Well Completed: 6/14/00 | Boring Method: Hollow Stem Auger |
| Relative Ground Surface Elevation: | Relative Casing Elevation: | Borehole Diameter: 10.0" |

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|--|----------|
| | | | | | | | | | |
| 0 | Asphalt. No sampling at 0.0-30.0 feet. | | | | | | Flush Mounted Monument | | |
| | | | | | | | Concrete Surface Seal | | |
| | | | | | | | Locking Cap | | |
| | | | | | | | Bentonite Chips | | |
| 5 | | | | | | | Casing (2-inch ID, Schedule 40 PVC) | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | Gravelly. | | | | | | | | |
| 30 | | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-2

LEGEND

- 3-inch OD split-spoon sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- NR** No sample recovery
- Encountered groundwater level
- WD** while drilling
- Static groundwater level
- SW** on 6/19/00

Cadet Manufacturing
Vancouver, Washington

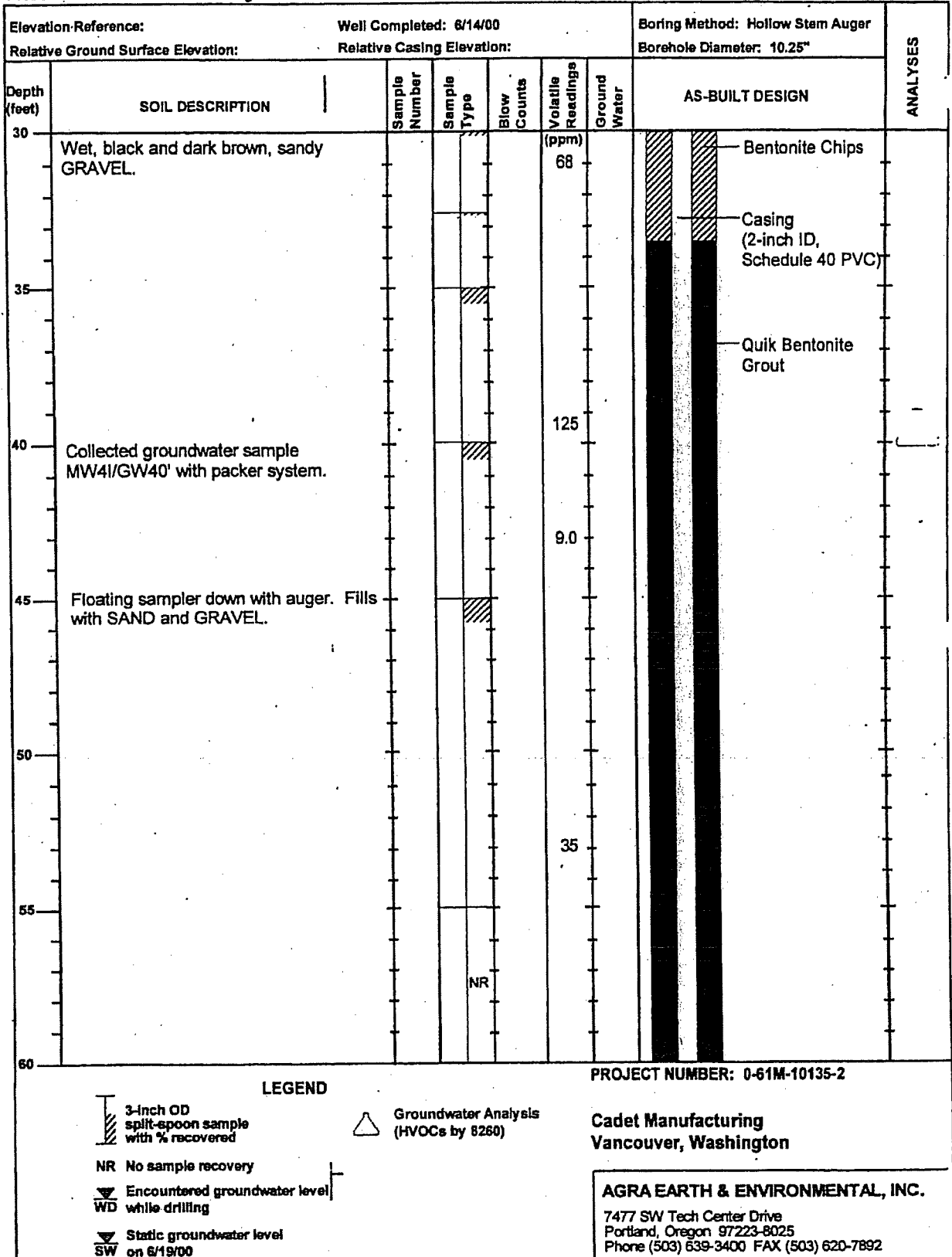
AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/13/00

Drilling Completed: 6/14/00

Logged By: B. Lary

110135MW4LDRW



LEGEND

3-Inch OD split- spoon sample with % recovered

Groundwater Analysis (HVOCs by 8260)

NR No sample recovery

Encountered groundwater level while drilling

Static groundwater level on 6/19/00

PROJECT NUMBER: 0-61M-10135-2

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

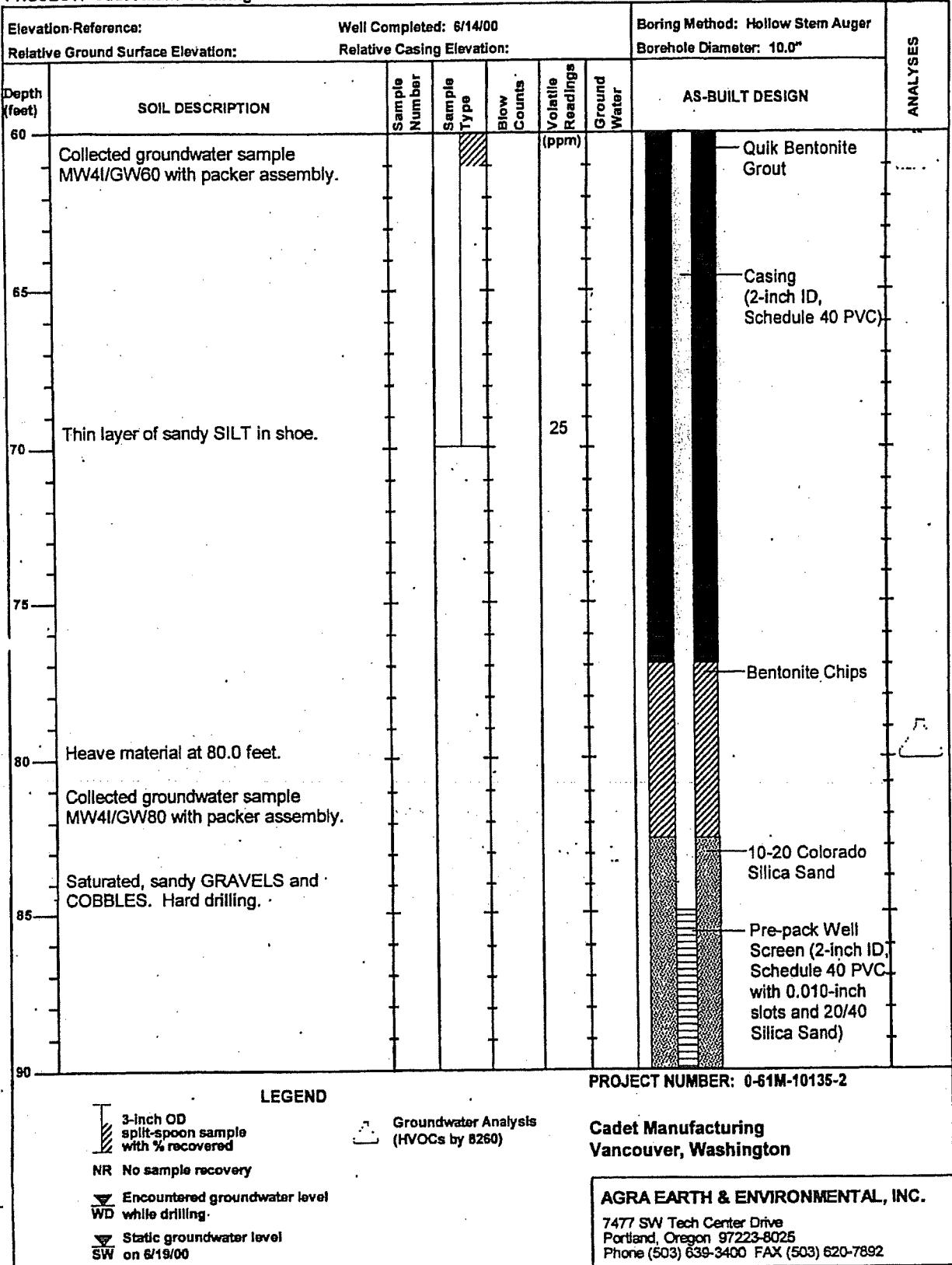
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/13/00

Drilling Completed: 6/14/00

Logged By: B. Lary

I10135MW4IPG2.DRW



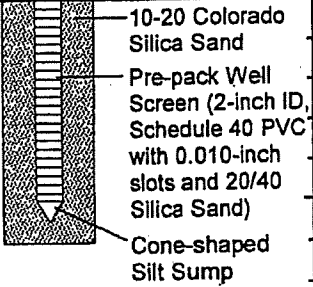
Drilling Started: 6/13/00

Drilling Completed: 6/14/00

Logged By: B. Lary





V10135MW4IPG3.DRW

Elevation Reference: Well Completed: 6/14/00 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 10.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---------------------------------------|---------------|-------------|-------------|-------------------------|--------------|---|----------|
| | | | | | | | | |
| 90 | Lots of heave during well completion. | | | | | |  | |
| 95 | | | | | | | | |
| | Total depth = 97.0 feet. | | | | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

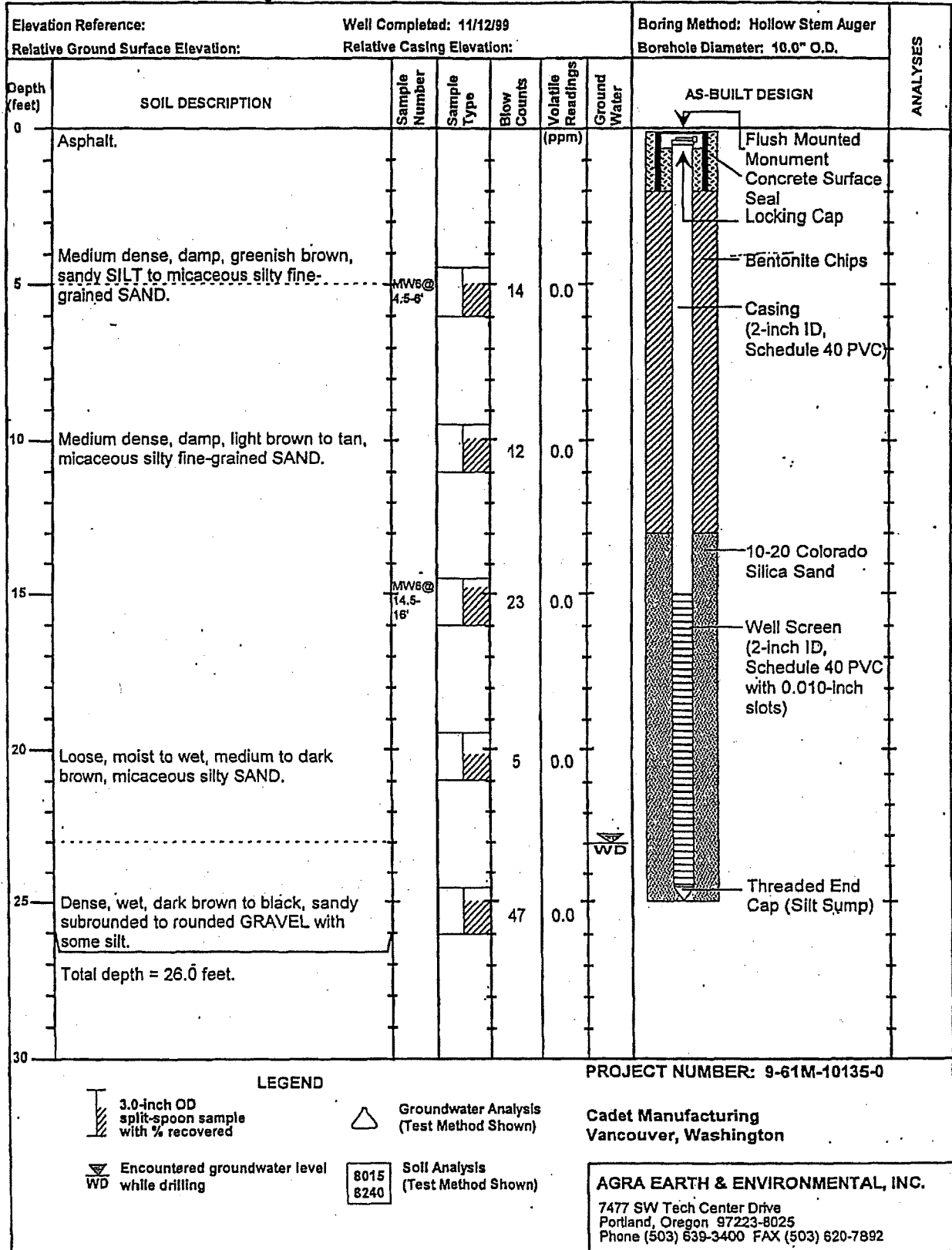
PROJECT NUMBER: 0-61M-10135-2

LEGEND

| | | | |
|---|--|---|--------------------------------------|
|  | 3-inch OD split- spoon sample with % recovered |  | Groundwater Analysis (HVOCs by 8250) |
| NR | No sample recovery |  | Encountered groundwater level |
| WD | while drilling |  | Static groundwater level |
| SW | on 6/19/00 | | |

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892



LEGEND

3.0-inch OD split-spoon sample with % recovered

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/11/99

Drilling Completed: 11/12/99

Logged By: B. Lary

#110135MW5.DRW

| Elevation Reference: | | Well Completed: 11/16/99 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|----------------------------------|-------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 10.0" O.D. | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 4.0-inch layer of asphalt over base course gravel FILL. | | | | | | |
| | Dry, brown, silty SAND/sandy SILT. | | | | | | |
| 5 | Medium dense, damp, greenish brown, sandy SILT to micaceous silty fine-grained SAND. | | | | | | |
| 10 | Medium dense, damp, light brown to tan, micaceous silty fine-grained SAND. | | | | | | |
| 20 | Loose, moist to wet, medium to dark brown, micaceous silty SAND. | | | | | | |
| | Sandy GRAVEL. | | | | | | |
| 25 | Dense, wet, dark brown to black, sandy subrounded to rounded GRAVEL with some silt. | | | | | | |
| 30 | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

Soil Analysis (Test Method Shown)

8015
8240

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/11/99

Drilling Completed: 11/16/99

Logged By: B. Lary

a:\10135\MW5.DRW

| Elevation Reference: | | Well Completed: 11/16/99 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Sand lense at 29.5-30.5 feet. | | | | | | Bentonite Grout | |
| | Larger gravel to cobbles. | | | | | | Casing (2-inch ID, Schedule 40 PVC) | |
| 35 | | | | | | | | |
| | SAND or SILT layer at 38.0-40.0 feet (easier drilling). | | | | | | | |
| 40 | Gravelly. | | | | | | | |
| | Slightly larger gravel. | | | | | | | |
| 45 | | | | | | | | |
| | Layer of sand and smaller gravel at 53.0-54.0 feet. | | | | | | Bentonite Chips and Heave | |
| 50 | | | | | | | | |
| | Very gravelly. | | | | | | | |
| 55 | Collected groundwater sample MW5/57-60GW using the packer system. | | | | | | | 8260 |
| 60 | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/11/99

Drilling Completed: 11/16/99

Logged By: B. Lary

a:10135MW5PG2.DRW

| Elevation Reference: | | Well Completed: 11/16/99 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|----------------------------------|--|----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 60 | Gravelly. | | | | | | Bentonite Chips | |
| 65 | | | | | | | Casing (2-inch ID, Schedule 40 PVC) | |
| 70 | Small or no gravel at 70.0-78.0 feet (easy drilling). | | | | | | Bentonite Pellets | |
| 75 | Collected groundwater sample MW5/76-78GW using the packer system. | | | | | | | 8260 Duplicate |
| | Gravelly. | | | | | | | |
| 80 | Large GRAVEL. | | | | | | | |
| | SAND. | | | | | | 10-20 Colorado Silica Sand | |
| 85 | | | | | | | Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots prepack with Colorado Silica sand) | |
| 90 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (Test Method Shown)

8015
8240 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

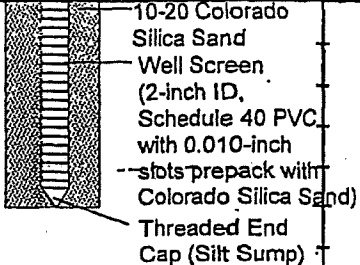
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/11/99


Drilling Completed: 11/16/99


Logged By: B. Lary


8:10135MW5PG3.DRW

| Elevation Reference: | | Well Completed: 11/16/99 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--------------------------|----------------------------|-------------|-------------|--------------------------|----------------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" O.D. | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | SAND. | | | | | |  <p>10-20 Colorado Silica Sand Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots prepack with Colorado Silica Sand) Threaded End Cap (Silt Sump)</p> | |
| 95 | Total depth = 95.0 feet. | | | | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (Test Method Shown)

 Soil Analysis (Test Method Shown)

PROJECT NUMBER: 9-51M-10135-0

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/11/99

Drilling Completed: 11/16/99

Logged By: B. Lary

a110135MW5PG4.DRW

Elevation Reference: Well Completed: 7/11/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-----------------|--|----------|
| | | | | | | | Diagram | Labels | |
| 0 | Asphalt with base course gravel FILL. | | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap Bentonite Chips Quik-Grout Bentonite Casing (2-inch ID, Schedule 80 PVC) | |
| 0-5 | Moist, dark brown, sandy SILT with few gravel. | | | | | | | | |
| 5 | Sandier. | MW5d/3-5' | | | | | | | |
| 10 | Dry, brown, medium- to fine-grained, silty, micaceous SAND. | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 25-30 | Loose, wet, brown, sandy GRAVEL. | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 3-inch OD split-spoon sample with % recovered
- 3.0" O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling
- Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/5/00 Drilling Completed: 7/11/00 Logged By: B. Lary 110135MW5d.DRW





| Elevation Reference: | | Well Completed: 7/11/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 30 | Wet, black, subrounded to subangular, sandy GRAVEL (predominantly basalt with some (10% or less) other). | | | | | | Quik-Grout Bentonite Casing (2-inch ID, Schedule 80 PVC) | | |
| 35 | Interbedded SAND layers. | | | | | | | | |
| 40 | Heaving material into casing. | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | Interbedded SANDS and fine GRAVEL with sandy, coarse gravel. | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

**Cadet Manufacturing
Vancouver, Washington.**

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

LEGEND

-  3-inch OD split-spoon sample with % recovered
-  3.0" O.D. undisturbed sampler with percent recovered
-  Encountered groundwater level while drilling
-  Groundwater Analysis (HVOCs by 8260)

Drilling Started: 7/5/00

Drilling Completed: 7/11/00

Logged By: B. Lary


110135MW5dPG2.DRW


Elevation Reference: Well Completed: 7/11/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"


| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|---|----------|
| | | | | | | | | |
| 60 | Interbedded SAND and sandy GRAVEL. Gravel is more subangular and less rounded. | | | | | | Quik-Grout Bentonite Casing (2-inch ID, Schedule 80 PVC) | |
| 65 | | | | | | | | |
| 70 | Water coming up with cuttings is clear (previously very turbid). Only small GRAVEL coming up with occasional large gravel. | | | | | | | |
| 75 | | | | | | | | |
| 80 | Coarse GRAVEL with few cobbles. Hard drilling. | | | | | | | |
| 85 | Medium to coarse GRAVEL with few cobbles. | | | | | | | |
| 90 | | | | | | | | |


PROJECT NUMBER: 0-61M-10135-1

LEGEND

 3-inch OD split-spoon sampler with % recovered

 3.0" O.D. undisturbed sampler with percent recovered

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOcs by 8260)

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-9025
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/11/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|---------------------------|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | Interbedded fine GRAVEL. | | | | | | Quik-Grout Bentonite | |
| 95 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 100 | Collected groundwater sample MW5d/GW100. | MW5d/100-101.5 | | 32 | 60 | | | |
| 105 | | | | | | | | |
| 110 | Interbedded thin SANDS with gravel. | | | | | | | |
| 115 | Getting coarser - harder drilling. | | | | | | | |
| 120 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 3-inch OD split-spoon sample with % recovered
- Groundwater Analysis (HVOCS by 8260)
- 3.0" O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/5/00

Drilling Completed: 7/11/00

Logged By: B. Lary

110135MW5dPG4.DRW

Elevation Reference: Well Completed: 7/11/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|----------------|-------------|-------------|-------------------------|--------------|---|----------|
| | | | | | | | | |
| 120 | Wet, brown and black, gravelly COBBLES. Collected groundwater sample MW5d/GW120. | MW5d/119.5-121 | | 8 | 1.7 | | Quik-Grout Bentonite Casing (2-inch ID, Schedule 80 PVC) | |
| 125 | | | | | | | | |
| 130 | Drilled through a boulder. | | | | | | | |
| 135 | Wet, black, coarse-grained SAND to medium GRAVEL with few cobbles. | | | | | | | |
| 140 | Dense, wet, coarse, sandy GRAVEL with few cobbles and little silt. Collected groundwater sample MW5d/GW140. | MW5d/140-141.5 | | | 28 | | | |
| 145 | Wet, medium- to fine-grained, silty, micaceous SAND. | | | | | | | |
| 150 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 3-inch OD split-spoon sample with % recovered
- Groundwater Analysis (HVOCs by 8260)
- 3.0" O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/5/00 Drilling Completed: 7/11/00 Logged By: B. Lary 110135\MW5dPG5.DRW

| Elevation Reference: Relative Ground Surface Elevation: | | Well Completed: 7/11/00 Relative Casing Elevation: | | | | | Boring Method: Air Rotary Borehole Diameter: 6.0" | | ANALYSES |
|--|---|---|-------------|-------------|-------------------------|--------------|--|--|----------|
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 150 | Fine-grained, silty SAND. | | | | | | <p>Quik-Grout Bentonite</p> <p>Casing (2-inch ID, Schedule 80 PVC)</p> | | |
| 155 | | | | | | | | | |
| 160 | Wet, brown with black, fine-grained SAND. No groundwater sample due to heaving conditions. | | | | | | | | |
| 165 | | | | | | | | | |
| 170 | | | | | | | | | |
| 175 | Some silt. | | | | | | | | |
| 180 | | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 3-inch OD split- spoon sample with % recovered
- 3.0" O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling
- Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 539-3400. FAX (503) 620-7892

Drilling Started: 7/5/00

Drilling Completed: 7/11/00

Logged By: B. Lary

V0135MW5dPG6.DRW

Elevation Reference: Well Completed: 7/11/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|--|----------|
| | | | | | | | | |
| 180 | Wet, brown, fine-grained, silty, micaceous SAND with few gravel. Collected groundwater sample MW5d/GW180. | | | | | | Quik-Grout Bentonite | |
| 185 | Sandy GRAVEL, producing abundant water. Hard drilling. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 190 | Wet, black, coarse, sandy GRAVEL with few cobbles and fines. Gravel is subangular to subrounded. Coarse-grained sand is angular to subangular. | | | | | | | |
| 195 | | | | | | | | |
| 200 | | | | | | | | |
| 205 | Dense, sandy GRAVEL. Extremely hard drilling. | | | | | | 20/40 Colorado Silica Sand | |
| | | | | | | | 10-20 Colorado Silica Sand | |
| | | | | | | | Centralizer | |
| | | | | | | | Pre-pack Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots and 20/40 Silica Sand) | |
| 210 | Dense, wet, black and brown, gravelly SAND. | | | | | | | |

LEGEND

- 3-inch OD split-spoon sample with % recovered
- 3.0 inch O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling
- Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-1

**Cadet Manufacturing
Vancouver, Washington**

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/5/00 Drilling Completed: 7/11/00 Logged By: B. Lary 10135MW5dPG7.DRW

| Elevation Reference: | | Well Completed: 7/11/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 210 | Interbedded SANDS and GRAVEL. | | | | | | <p>10-20 Colorado Silica Sand</p> <p>Pre-pack Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots and 20/40 Silica Sand)</p> <p>Cone-shaped Silt Sump</p> | |
| 215 | | | | | | | | |
| 220 | Troutdale Formation. Cemented sandy, rounded to subrounded, basalt, quartzite, and other GRAVEL. Reduction in water production. | | | | | | <p>Cave</p> <p>Boring sidewalls caved from 217.0-221.0 feet. No grout fill needed.</p> | |
| | Total depth = 221.0 feet. | | | | | | | |
| 225 | | | | | | | | |
| 230 | | | | | | | | |
| 235 | | | | | | | | |
| 240 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 3-inch OD split-spoon sample with % recovered
- 3.0" O.D. undisturbed sampler with percent recovered
- Encountered groundwater level while drilling
- Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 539-3400 FAX (503) 620-7892

Drilling Started: 7/5/00

Drilling Completed: 7/11/00

Logged By: B. Lary

110135MW5dPG8.DRW

Elevation Reference: Well Completed: 6/12/00 & 2/21/01 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES | |
|--------------|--|---------------|-------------|-------------|--------------------------|-----------------|---|----------|--|
| 0 | Asphalt. | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap Bentonite Chips | | |
| 5 | Loose, damp, brown, silty, fine-grained SAND. | | | 10 | 1,000 | | Casing (2-inch ID, Schedule 40 PVC) | | |
| 10 | Medium dense, brown, silty, fine- to medium-grained SAND. | | | 14 | 1,650 | | | | |
| 15 | Very dense, black and brown, sandy GRAVEL. Sand layer at 16.0 feet (2/21/01). Coarser GRAVEL. | | | 50+ | 650 | | 10-20 Colorado Silica Sand | | |
| 20 | Dense, black and brown, sandy GRAVEL (some 2.0 inches plus). Coarse GRAVEL (approximately 3.0-inch fragments) at 21.0 feet (2/21/01). | | | 43 | 325 | | Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots) | | |
| 25 | Dense, saturated, sandy GRAVEL. | | | 40 | 0.0 | WD & SW 6/12/00 | | | |
| 30 | Total depth = 26.5 feet on 6/12/00. Installed well to 26.5 feet. Start Card Number: R44084, Tag Number: AEP657 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

- 2.0-inch OD split- spoon sample with % recovered
- NR No sample recovery
- Encountered groundwater level while drilling
- Static groundwater level on 6/19/00

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 6/12/00 & 2/21/01 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|-----------------------------------|-------------|-------------|-------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Coarse, sandy GRAVEL | | | | | | | |
| | Rate of penetration increases. Water at 32.5 feet. | | | | | WD 2/21/01 | | |
| 35 | Total depth = 34.5 feet on 2/21/01. | | | | | | | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

2.0-inch OD split-spoon sample with % recovered

NR No sample recovery

Encountered groundwater level while drilling

Static groundwater level on 8/19/00

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/12/00 & 2/21/01

Drilling Completed: 6/12/00 & 2/21/01




Logged By: B. Lary/K. Finucane/JWM

110735MW6s.DRW

| Elevation Reference: | | Well Completed: 6/14/00 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | Asphalt. | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap | |
| 5 | Loose, damp, brown, silty, fine-grained SAND. | | | 11 | 0.0 | | Bentonite Chips Casing (2-inch ID, Schedule 40 PVC) | |
| 10 | Medium dense, slightly coarser SAND. | | | 14 | 174 | | | |
| 15 | Dense, damp, brown and rust, gravelly SAND with some silt. Coarser GRAVEL. | | | 50+ | 244 | | | |
| 20 | With interbedded sand and smaller gravel. Very dense, moist, brown, silty, sandy GRAVEL. | | | 50+ | 218 | | | |
| 25 | Sandy basalt GRAVEL (> 2.0 inches). | | | 50+ | 328 | | 10-20 Colorado Silica Sand Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots) | |
| 30 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

-  2.0-inch OD split-spoon sample with % recovered
-  Encountered groundwater level while drilling
-  Static groundwater level on 6/19/00

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/12/00

Drilling Completed: 6/14/00

Logged By: B. Lary

10135MW7s.DRW

Elevation Reference: Well Completed: 6/14/00 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 10.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|--|----------|
| 30 | Sandy basalt GRAVEL (> 2.0 inches). | | | 50+ | 355 | | <p>10-20 Colorado Silica Sand</p> <p>Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots)</p> <p>Cone-shaped Silt Sump</p> | |
| 35 | Dense, wet, brown and black, sandy basalt GRAVEL with some silt. | | | 38 | 218 | SW | | |
| 40 | Interbedded coarse-grained SAND and GRAVEL. COBBLES. Harder drilling. | | | | | | | |
| 45 | Total depth = 45.0 feet. | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

- 2.0-Inch OD split-spoon sample with % recovered
- Encountered groundwater level
- while drilling
- Static groundwater level on 6/19/00

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/12/00 Drilling Completed: 6/14/00 Logged By: B. Lary 110135MW7sPG2.DRW

| Elevation Reference: | | Well Completed: 7/22/02 | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|--|-------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 6.25" | | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt. | | | | | | |
| 5 | SILTY SAND (SP), loose, damp, brown, fine-grained. | | | 11 | 0.0 | | |
| 10 | SAND, medium dense, slightly coarser-grained. | | | 14 | 174 | | |
| 15 | GRAVELLY SAND, dense, damp, brown and rust, some silt. | | | 50+ | 244 | | |
| 20 | SILTY SANDY GRAVEL, very dense, moist, brown. Interbedded sand and smaller gravel. | | | 50+ | 218 | | |
| 25 | SANDY GRAVEL, (> 2.0 inches), basalt. | | | 50+ | 328 | | |
| 30 | | | | | | | |

PROJECT NUMBER: 2-61M-10135-M T3

LEGEND

| | | | |
|---|--|--|--|
| | 2.0-inch OD split-spoon sample with % recovered | | Groundwater Analysis (Test Method Shown) |
| | Encountered groundwater level while drilling | | |
| | Static groundwater level on 7/16/02 | | |
| * | Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well. | | |

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/16/02 Drilling Completed: 7/22/02 Logged By: C. Bartlett/K. Finucane/B. Lary

Elevation Reference: Well Completed: 7/22/02 Boring Method: Direct Push/
 Relative Ground Surface Elevation: Relative Casing Elevation: Hollow Stem Auger
 Borehole Diameter: 6.25"

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|--------------------------|--------------|---|----------|
| 30 | SANDY GRAVEL, (> 2.0 inches), basalt. | | | 50+ | 355 | | Bentonite Grout (Approximately 200 Gallons) | |
| 35 | SANDY GRAVEL, dense, wet, brown and black, basalt, some silt. | | | 38 | 218 | SW | Casing (2-inch ID, Schedule 40 PVC) | |
| 40 | SAND and GRAVEL, coarse-grained, interbedded. COBBLES. Harder drilling. | | | | | WD | | |
| 45 | SANDY GRAVEL, wet, 60% angular (0.125-0.25 inch), 40% subrounded, gravel and cobbles, no fines. | | | | | | | |
| 50 | Very hard drilling. | | | | | | | |
| 55 | | | | | | | | |
| 60 | Collected groundwater sample MW7/GW60. | | | | | | | |

LEGEND

2.0-Inch OD split-spoon sample with % recovered

Groundwater Analysis (Test Method Shown)

Encountered groundwater level while drilling

Static groundwater level on 7/18/02

* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/16/02





Drilling Completed: 7/22/02

Logged By: C. Bartlett/K. Finucane/B. Lary

110135MW71PG2.DRW

| Elevation Reference: | | Well Completed: 7/22/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 60 | No discrete soil samples collected. Augers advanced with wood plug. Lithology logged based on drilling character and limited cuttings. Average gravels 1-2 inches, up to 4 inches, round to subrounded basalt. | | | | | | Bentonite Grout (Approximately 200 Gallons) Casing (2-inch ID, Schedule 40 PVC) | | |
| 65 | Very hard drilling. | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | GRAVELS, hard drilling. | | | | | | | | |
| 80 | Slightly easier drilling. | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

- LEGEND**
-  2.0-inch OD split-spoon sample with % recovered
 -  Groundwater Analysis (Test Method Shown)
 -  Encountered groundwater level while drilling
 -  Static groundwater level
 - * Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 7/16/02





Drilling Completed: 7/22/02

Logged By: C. Bartlett/K. Finucane/B. Lary

101351MW71PG3.DRW

| Elevation Reference: | | Well Completed: 7/22/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | | | | | | | Bentonite Grout (Approximately 200 Gallons) | |
| | | | | | | | Casing (2-inch ID, Schedule 40 PVC) | |
| 95 | | | | | | | 20/40 Colorado Silica Sand | |
| | | | | | | | 10/20 Colorado Silica Sand | |
| 100 | | | | | | | Prepack Well Screen (2-inch ID, 4-inch OD, Schedule 40 PVC with 0.010-inch slots with 20/40 Colorado Silica Sand) | |
| 105 | Very hard drilling. | | | | | | | |
| | Total depth of well = 109.0 feet below ground surface. | | | | | | | |
| 110 | Redrilled boring and set monitoring well. | | | | | | Stainless Steel End Cap | 8260 |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

PROJECT NUMBER: 2-61M-10135-M T3

| | | |
|---|---|---|
| <p>LEGEND</p> <p> 2.0-inch OD split- spoon sample with % recovered</p> <p> Encountered groundwater level while drilling</p> <p>WD</p> <p> Static groundwater level on 7/16/02</p> <p>SW</p> <p>* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.</p> | <p> Groundwater Analysis (Test Method Shown)</p> | <p>Cadet Manufacturing Vancouver, Washington</p> <hr/> <p>AMEC EARTH & ENVIRONMENTAL, INC. 7376 SW Durham Road Portland, Oregon 97224 Phone (503) 639-3400 FAX (503) 620-7892</p> |
|---|---|---|

Drilling Started: 7/16/02

Drilling Completed: 7/22/02

Logged By: C. Bartlett/K. Finucane/B. Lary

10135MW7IPG4.DRW

| | | |
|------------------------------------|----------------------------|---|
| Elevation Reference: | Well Completed: 8/21/02 | Boring Method: Air Rotary |
| Relative Ground Surface Elevation: | Relative Casing Elevation: | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' |

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|---------------------------|----------|
| | | | | | | | | | |
| 0 | SILT (ML), moist, medium brown, cobbles (gravel). | | | | | | Flush-Mounted Monument | Concrete Surface Seal | |
| 5 | | | | | | | Locking Cap | Bentonite Chips (96 Bags) | |
| 10 | SAND (SP), very coarse-grained, pebbles/ cobbles (gravel). | | | | | | Casing (2-inch OD, Schedule 80 PVC) | | |
| 15 | | | | | | | | | |
| 20 | GRAVEL (GP), up to 1.5-foot clasts, 10% very coarse-grained sand, some silt. | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | Occasional cobbles (approximately 3.0 inches). | | | | | | | | |

LEGEND
 Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary 10135MW7d.DRW

| Elevation Reference: | | Well Completed: 8/21/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | | | | | | | | |
| 35 | | | | | | | Bentonite Chips (96 Bags) | |
| 40 | GRAVEL (GP), 1/8-inch to 1.0-inch, subrounded to rounded, bimodal angular smaller clasts, no fines. | | | | | | Casing (2-inch OD, Schedule 80 PVC) | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | GRAVEL, 1/8-inch to 1.5-inch, no fines. | | | | | | Bentonite Grout (500 Gallons) | |
| 60 | | | | | | | | |

LEGEND

 Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG2.DRW

| Elevation Reference: | | Well Completed: 8/21/02 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|-------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 8.0" 0.0-160.0' | | |
| | | | | | | | 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 60 | | | | | | | Bentonite Grout (500 Gallons) | | |
| | | | | | | | Casing (2-inch OD, Schedule 80 PVC) | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| | SAND layer. | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | GRAVEL (GP), black (basalt), white to tan (quartzite), red and black (chert), gray (siltstone, lithic fragments), approximately 1/8-inch to 1.5-inch, some interbedded very coarse-grained sand, no fines. | | | | | | | | |
| 90 | | | | | | | | | |

LEGEND



Groundwater Analysis (Test Method Shown)

- No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

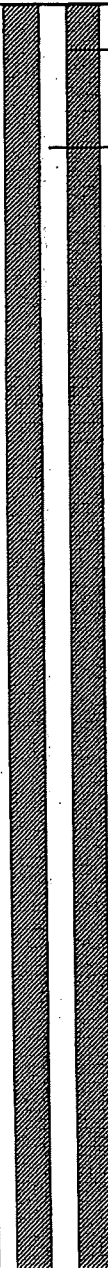
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG3.DRW

| Elevation Reference: | | Well Completed: 8/21/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' | | |
| | | | | | | 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | GRAVEL (GP), black (basalt), white to tan (quartzite), red and black (chert), gray (siltstone, lithic fragments), approximately 1/8-inch to 1.5-inch, some interbedded very coarse-grained sand, no fines. | | | | | |  <p>Bentonite Grout (500 Gallons)</p> <p>Casing (2-inch OD, Schedule 80 PVC)</p> | |
| 95 | | | | | | | | |
| 100 | | | | | | | | |
| 105 | GRAVEL (GP), coarse, angular basalt, well-rounded, claystone, quartzite. | | | | | | | |
| 110 | SANDY GRAVEL (GP), very coarse-grained. | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

 Groundwater Analysis (Test Method Shown)

- No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG4.DRW

| Elevation Reference: | | Well Completed: 8/21/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0" | | |
| | | | | | | 6.0" 160.0-245.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 120 | GRAVEL (GP), very coarse, (cobbles approximately 1.0-inch to 3.0-inch). | | | | | | Bentonite Grout (500 Gallons) Casing (2-inch OD, Schedule 80 PVC) | |
| 125 | | | | | | | | |
| 130 | Some very coarse-grained sand. | | | | | | | |
| 135 | GRAVEL, coarse (70%) with very coarse-grained sand (30%). | | | | | | | |
| 140 | | | | | | | | |
| 145 | | | | | | | | |
| 150 | | | | | | | | |

PROJECT NUMBER: 2-61M-10135-0

LEGEND

△ Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

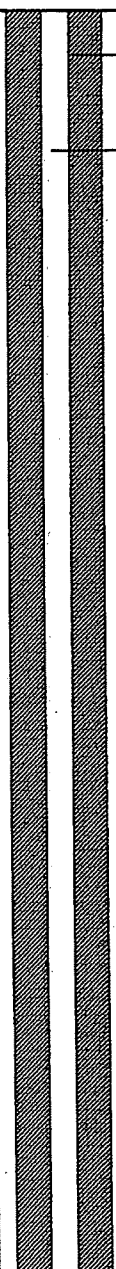
**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

| Elevation Reference: | | Well Completed: 8/21/02 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 150 | SANDY GRAVEL (GP), very coarse-grained, angular, rounded chert, quartzite, and sedimentary lithics, very angular vesicular basalt fragments (> 4.0-inch). | | | | | |  <p>Bentonite Grout (500 Gallons)</p> <p>Casing (2-inch OD, Schedule 80 PVC)</p> | | |
| 155 | | | | | | | | | |
| 160 | Switched to 6.0-inch casing. | | | | | | | | |
| 165 | | | | | | | | | |
| 170 | SANDY GRAVEL (GP), very coarse-grained, angular, no cementation, some rounded pebbles (approximately 2.0-inch). | | | | | | | | |
| 175 | Basalt fragments increase. | | | | | | | | |
| 180 | | | | | | | | | |

LEGEND



Groundwater Analysis (Test Method Shown)

- No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135\MW7dPG6.DRW

| | | |
|------------------------------------|----------------------------|---|
| Elevation Reference: | Well Completed: 8/21/02 | Boring Method: Air Rotary |
| Relative Ground Surface Elevation: | Relative Casing Elevation: | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' |

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|--|----------|
| | | | | | | | | |
| 180 | | | | | | | Bentonite Grout (500 Gallons) Casing (2-inch OD, Schedule 80 PVC) | |
| 185 | | | | | | | | |
| 190 | | | | | | | | |
| 195 | | | | | | | | |
| 200 | SANDY GRAVEL (GP), approximately 0.25-inch to 0.5-inch, angular, few cemented, rounded pebbles. | | | | | | | |
| 205 | Some cemented (or coated with granular rind), rounded pebbles. | | | | | | | |
| 210 | | | | | | | | |

PROJECT NUMBER: 2-61M-10135-0

LEGEND

△ Groundwater Analysis (Test Method Shown)

• No soil sampling. Descriptions are based on soil cuttings and drilling character.

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG7.DRW

| Elevation Reference: | | Well Completed: 8/21/02 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 210 | | | | | | | <ul style="list-style-type: none"> Bentonite Grout (500 Gallons) 20/40 Colorado Silica Sand Casing (2-inch OD, Schedule 80 PVC) Centralizer 10/20 Colorado Silica Sand Prepack Well Screen (2-inch ID, 4-inch OD, Schedule 80 PVC with 0.010-inch slots with 20/40 Colorado Silica Sand) Threaded End Cap Bentonite Chips (7 Bags) | | |
| 215 | | | | | | | | | |
| 220 | | | | | | | | | |
| 225 | Casing stuck. Open hole, no caving. | | | | | | | | |
| 230 | TGA - harder drilling, reduced water production, cemented gravel (75% basalt, 10% quartzite, and 15% volcanics), able to drill with bit and maintain an open hole. | | | | | | | | |
| 235 | | | | | | | | | |
| 240 | | | | | | | | | |

LEGEND

△ Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892


Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG8.DRW

005898

| Elevation Reference: | | Well Completed: 8/21/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-245.0' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 240 | | | | | | |  Bentonite Chips (7 Bags) | |
| 245 | Total depth = 245.0 feet below ground surface. | | | | | | | |
| 250 | | | | | | | | |
| 255 | | | | | | | | |
| 260 | | | | | | | | |
| 265 | | | | | | | | |
| 270 | | | | | | | | |

LEGEND



Groundwater Analysis
(Test Method Shown)

- No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/13/02

Drilling Completed: 8/21/02

Logged By: K. Finucane/B. Lary

110135MW7dPG9.DRW

| Elevation Reference: | | Well Completed: 6/12/00 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|----------------------------------|--------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 8.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | Asphalt. | | | | | | |
| 5 | Damp, brown and rust, sandy SILT with little clay. | | | 5 | 97 | | |
| 10 | Damp, brown, silty, fine-grained SAND. | | | 11 | 65 | | |
| 15 | | | | 12 | 64 | | |
| 20 | Moist, brown and black, silty, medium-grained SAND grading to coarse-grained SAND. | | | 20 | 50 | SW | |
| 25 | Wet, black and dark brown, sandy GRAVEL. | | | 50+ | 44 | WD | |
| | Total depth = 26.5 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

- 2.0-inch OD split-spoon sample with % recovered
- NR No sample recovery
- Encountered groundwater level
- WD while drilling
- Static groundwater level on 6/19/00

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

110135MW8s.DRW

Drilling Started: 6/12/00

Drilling Completed: 6/12/00







Logged By: B. Lary

AMEC 039556

| Elevation Reference: | | Well Completed: 6/15/00 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| +5 | | | | | | | Above Ground Monument Steel Protective Post Concrete Surface Seal Locking Cap Bentonite Chips Casing (2-inch ID, Schedule 40 PVC) 10-20 Colorado Silica Sand Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots) End Cap | |
| 0 | Rooty organic topsoil. Medium stiff, dry, light brown SILT with occasional organics. | | | | | | | |
| 5 | Medium stiff, slightly damp, medium brown, micaceous, fine sandy SILT. | MW9 @5-6.5' | | 8 | | | | |
| 10 | Medium dense, damp, gray-brown, poorly graded, micaceous, fine-grained SAND. | MW9 @10-12' | | | | | | |
| 15 | Medium dense, wet, gray, poorly graded, micaceous, fine- to medium-grained SAND. | MW9 @15-16.5' | | 12 | | ▼ WD ▼ SW | | |
| 20 | Loose, wet, gray, poorly graded, micaceous, fine-grained SAND. | MW9 @20-21.5' | | 6 | | | | |
| Total depth = 23.0 feet. | | | | | | | | |
| 25 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-1

LEGEND

-  2.0-inch OD split-spoon sample with % recovered
-  3.0" O.D. undisturbed sampler with percent recovered
-  Encountered groundwater level
-  WD while drilling
-  Static groundwater level
-  SW on 6/19/00

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/15/00

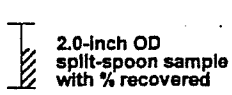
Drilling Completed: 6/15/00

Logged By: S. Bourcy

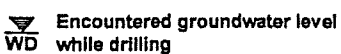
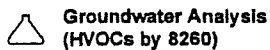
110135MW9s.DRW

AMEC 039557

| Elevation Reference: | | Well Completed: 11/9/00 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | Asphalt. | | | | | | | |
| 5 | Very stiff, dry, light tan, fine, sandy SILT. | MW10s @5 | | 18 | 0.0 | | | |
| 10 | Stiff, moist, medium brown, sandy SILT grading into mottled clayey SILT. | MW10s @10 | | 15 | 0.0 | | | |
| 15 | Dense, dry, gray, medium- to coarse-grained SAND with gravel (5%); 2.0-inch lense of wet, clayey SILT at top. | MW10s @15 | | 49 | 0.0 | | | |
| 20 | Dense, dry, dark gray, medium- to coarse- grained SAND with gravel (approximately 15%). | MW10s @20 | | 32 | 0.0 | | | |
| 25 | Sampler is wet - sloughing SILTS within sampler. | MW10s @25 | | 49 | 0.0 | | | |
| 30 | | | | | | | | |



LEGEND



PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

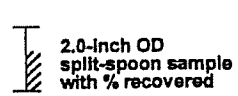
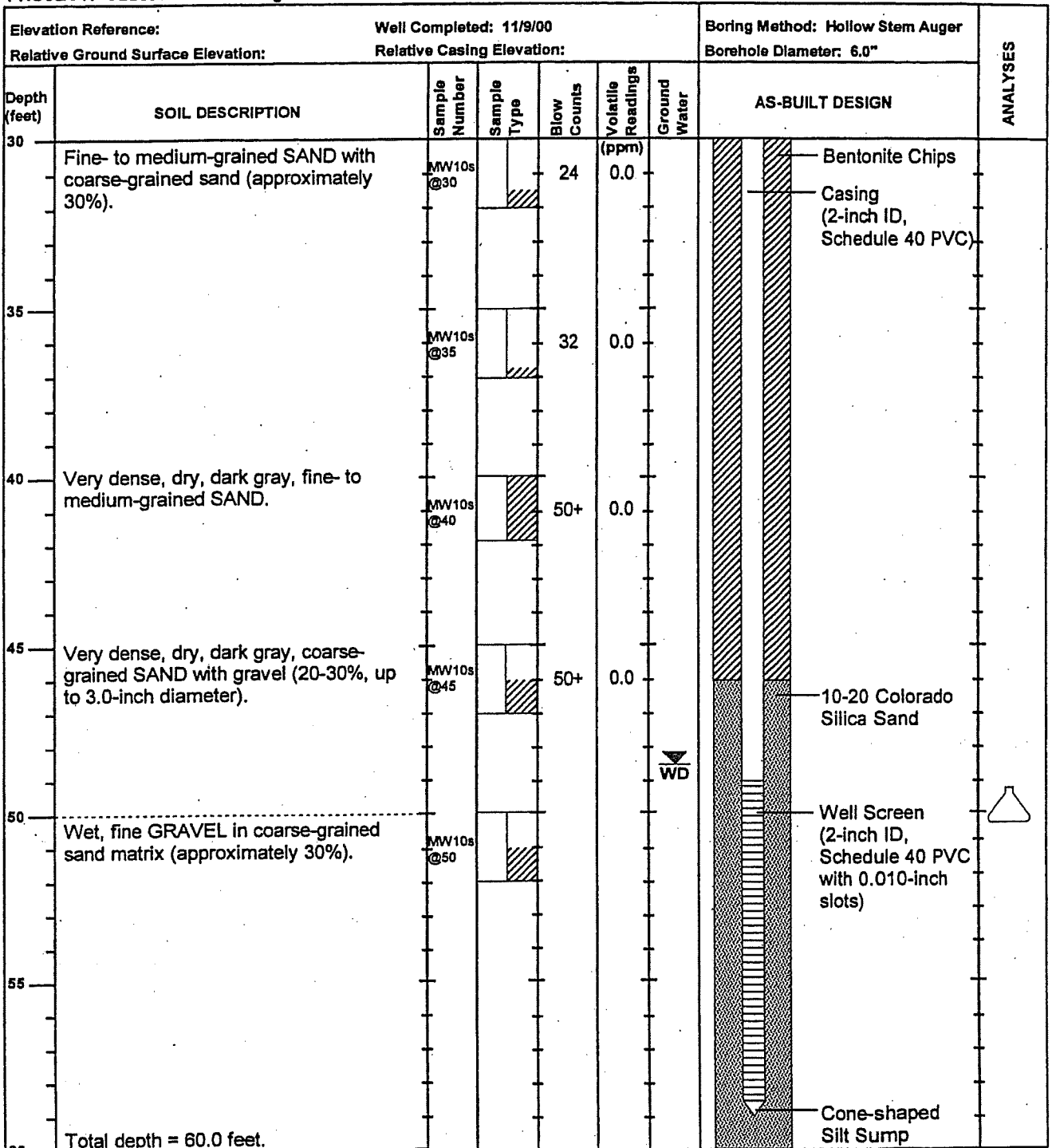
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/9/00

Logged By: C. Bartlett

110135MW10s.DRW



LEGEND

Groundwater Analysis (HVOCs by 8260)

Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/9/00

Drilling Completed: 11/9/00

Logged By: C. Bartlett

110135MW10sPG2.DRW

Elevation Reference:

Well Completed: 11/21/00

Boring Method: Air Rotary

Relative Ground Surface Elevation:

Relative Casing Elevation:

Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-----------------|--|----------|
| | | | | | | | | | |
| 0 | Broken asphalt. | | | | | | | | |
| | Moist, brown SILT. | | | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | Becomes wet. Wet, brown, gravelly SILT. | | | | | | | | |
| | Silty, sandy GRAVEL. | | | | | | | | |
| 20 | Sandy GRAVEL. Silt content decreases. | | | | | | | | |
| 25 | Fine- to medium-grained SAND with trace fine gravel and silt. | | | | | | | | |
| 30 | | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/15/00

Drilling Completed: 11/21/00

Logged By: J. Fassio

110135MW10d.DRW

AMEC 039560

| Elevation Reference: | | Well Completed: 11/21/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|-------------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 30 | | | | | | | Bentonite Grout | | |
| 35 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | | |
| 40 | Grades to poorly graded, fine- to medium-grained SAND (<5% gravel). Silt content decreases. Interlayered SAND and gravelly SAND. Gravel content increases (10-20%). | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | Grades to wet, medium to coarse, gravelly SAND. Becomes saturated. Water flowing out of cyclone. | | | | | | | | |
| 55 | Wet, sandy, fine, rounded to subrounded GRAVEL (composed of 80% basalt (volcanic clasts), 20% quartzite, and other metamorphic and sedimentary clasts). | | | | | | | | |
| 60 | | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/15/00

Drilling Completed: 11/21/00

Logged By: J. Fassio



V0135MW10dPG2.DRW

AMEC 03950

| Elevation Reference: | | Well Completed: 11/21/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|---------------------------|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 60 | | | | | | | Bentonite Grout | |
| 65 | Fine- to medium-grained SAND. Water production increases. | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 70 | Becomes gravelly. Sandy, fine GRAVEL. | | | | | | | |
| 75 | Fine- to medium-grained SAND with trace silt. | | | | | | | |
| 80 | | | | | | | | |
| 85 | | | | | | | | |
| 90 | Well-graded, gravelly, fine- to medium-grained SAND. | | | | | | | |

PROJECT NUMBER: 0-61M-10135-3


LEGEND

 Encountered groundwater level while drilling
 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
 Vancouver, Washington


AGRA EARTH & ENVIRONMENTAL, INC.


7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 11/21/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--------------|-------------------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 90 | Gravel content increases. Harder drilling. Sandy, fine GRAVEL (medium- to coarse-grained sand). | | | | | | Bentonite Grout | | |
| 95 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | | |
| 100 | Water production increases at 100.0 feet. Collected groundwater sample at MW10d/GW100'. (11/16/00) | | | | | | |  | |
| 105 | CLAY layer at 105.0-106.0 feet. | | | | | | | | |
| 110 | Sandy GRAVEL with cobbles. | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-3

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/15/00

Drilling Completed: 11/21/00

Logged By: J. Fassio

110135MW10dPG4.DRW

AMEC 039563

Elevation Reference: Well Completed: 11/21/00 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| 120 | | | | | | | Bentonite Grout | |
| 125 | | | | | | | Casing (2-inch ID, Schedule 80 PVC) | |
| 130 | | | | | | | | |
| 135 | | | | | | | | |
| 140 | Medium- to coarse-grained SAND with trace gravel. | | | | | | | |
| 140 | Collected groundwater sample MW10d/GW140'. (11/16/00) Gravelly SAND (gravel content increases to 10-20%). | | | | | | | △ |
| 145 | Poorly graded, fine- to medium-grained SAND. | | | | | | | |
| 150 | Sandy GRAVEL. | | | | | | | |

TF?

LEGEND

Encountered groundwater level while drilling (WD)
 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

**Cadet Manufacturing
Vancouver, Washington**

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 11/21/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|---------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 150 | Fine- to medium-grained SAND. | | | | | | Bentonite Grout Casing (2-inch ID, Schedule 80 PVC) | |
| | Sandy, fine to coarse GRAVEL. | | | | | | | |
| 155 | | | | | | | | |
| 160 | Water has low turbidity at 160.0-170.0 feet. | | | | | | | |
| 165 | | | | | | | | |
| 170 | | | | | | | | |
| 175 | | | | | | | | |
| 180 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling

△ Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892



Drilling Started: 11/15/00

Drilling Completed: 11/21/00


Logged By: J. Fassio

110135MW10dPG6.DRW

AMEC 039565

| Elevation Reference: | | Well Completed: 11/21/00 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|---|--|---|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 180 | SAND cements to outside of gravel clasts (5-10% gravel). Collected groundwater sample MW10d/GW180'. (11/16/00) | | | | | |  Bentonite Grout Casing (2-inch ID, Schedule 80 PVC) | |  |
| 185 | Loose GRAVEL with sand matrix (no cementation). High water production. | | | | | | | | |
| 190 | | | | | | | | | |
| | Gravelly SAND. | | | | | | | | |
| 195 | | | | | | | | | |
| | Sandy GRAVEL (<5% gravel with cementation). | | | | | | | | |
| 200 | | | | | | | | | |
| 205 | | | | | | | | | |
| 210 | | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (HVOCs by 8260)

PROJECT NUMBER: 0-61M-10135-3

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/15/00

Drilling Completed: 11/21/00

Logged By: J. Fassio

110135MW10dPG7.DRW

| Elevation Reference: | | Well Completed: 11/21/00 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|---------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 210 | Silty, fine-grained SAND. | | | | | | | |
| 215 | | | | | | | | |
| 220 | Sandy GRAVEL and medium- to coarse-grained SAND (30-45% quartzite and other non-volcanic clasts, 55-70% volcanic clasts - mainly basalt). Water is clear to moderately turbid. | | | | | | | |
| 225 | | | | | | | | |
| 230 | Total depth = 230.9 feet. | | | | | | | |
| 235 | | | | | | | | |
| 240 | | | | | | | | |

PROJECT NUMBER: 0-61M-10135-3

LEGEND

Encountered groundwater level while drilling
 Groundwater Analysis (HVOCs by 8260)

Cadet Manufacturing
 Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223-8025
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 11/15/00

Drilling Completed: 11/21/00

Logged By: J. Fassio

110135MW10dPG8.DRW

AMEC 039567

| Elevation Reference: | | Well Completed: 3/4/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | GRAVEL, (FILL). | | | | | | <p>Concrete Vault (30" X 30" X 30") with Metal Lid Concrete Surface Seal Locking Cap Bentonite Chips (3/8-inch) Casing (6-inch OD, Schedule 40 PVC)</p> | |
| 5 | SILT, (SM), medium stiff, moist to damp, brown, micaceous, very fine-grained sand. | | | 7 | 0.0 | | | |
| 10 | SILT, (SM), medium stiff, moist to damp, brown, micaceous, very fine-grained sand with 4.0-inch lens of SAND, loose, damp, brown, micaceous silt at 10.5 feet. Drilling denser at 13.5 feet. | | | 6 | 0.0 | | | |
| 15 | SAND, (SM), medium dense, moist, brown, some silt. | | | 19 | 0.0 | | | |
| 20 | GUS sampler used to collect Shelby tube sample. Lots of back pressure on sample. Piece of fabric pulled from bottom end of tube before tube was removed from sampler. Approximately 1.0 foot recovered. Sample possibly disturbed due to fabric on wall of sampler tube. GUS sampler used to collect samples at 22.0-24.0 feet and 25.0-27.0 feet. Similar amounts of back pressure. | | NR | | | | | |
| 25 | | | | | | | | |
| 30 | SAND, (SW), medium dense, moist, dark brown, few small gravel. Larger GRAVEL at 26.5 feet during drilling. Sandy at 28.0 feet and GRAVEL at 29.0 feet. | | | | | | | |

LEGEND

- 2.0-inch OD / 3.0-inch OD split-spoon sample with % recovered
- 3.0-inch OD undisturbed sample with % recovered
- NR No sample recovery

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/22/02

Drilling Completed: 3/4/02

Logged By: B. Lary/SWBK



110135RW1.DRW

AMEC 039991

| Elevation Reference: | | Well Completed: 3/4/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | SAND, (SW), very dense, moist, dark brown, some fine-grained sand, silt, and gravel. Medium gravel in end of shoe. | | | 50+ | 0.0 | | Bentonite Chips (3/8-inch) | |
| | | | | | | | Casing (6-inch OD, Schedule 40 PVC) | |
| 35 | SAND, (SW), very dense, wet, dark brown, coarse- to very coarse-grained, some gravel. | | | 50+ | 0.0 | | 10-20 Colorado Silica Sand | |
| | Switched to 3.0-inch diameter spoon at 40.0 feet. Continuous sieve sample collected. | | | | | | | |
| 40 | SAND, (SW), very dense, wet, dark brown to black, very coarse-grained, small subangular gravel. | | | 50+ | | | Well Screen (6-inch OD, Schedule 40 PVC with 0.050-inch slots Prepack with 6X9 Colorado Silica Sand) | |
| | Changed to SAND (driller observation) at 43.0 feet. Probably heaving SANDS. | | | | | | | |
| 45 | SAND, (SW), dense, wet, dark brown to black, coarse-grained, small to medium subangular gravel (some pieces > 1.5-inch diameter). | | | 35 | | | | |
| | Heaving SANDS above sample. | | | | | | | |
| 50 | SAND, (SW), dense, wet, dark brown to black, coarse-grained, small subangular gravel. | | | 32 | | | | |
| | | | | | | | | |
| 55 | SAND, (SW), very dense, wet, dark brown to black, coarse-grained, small to medium subangular gravel (some pieces > 1.5-inch diameter). | | | 50+ | | | | |
| | | | | | | | | |
| 60 | | | | | | | | |

PROJECT NUMBER: 1-61M-10135-C T2

LEGEND

-  2.0-inch OD / 3.0-inch OD split-spoon sample with % recovered
-  3.0-inch OD undisturbed sample with % recovered
- NR No sample recovery

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/22/02

Drilling Completed: 3/4/02

Logged By: B. Lary/SWBK

110135RW1PG2.DRW

AMEC 03995

| Elevation Reference: | | Well Completed: 3/4/02 | | | | Boring Method: Hollow Stem Auger | | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|----------------------------------|-----------------|--------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 60 | SAND, (SW), very dense, wet, dark brown to black, coarse-grained, small to medium subangular gravel (some pieces > 1.5-inch diameter). | | | 50+ | | | | NATIVE material sloughed into boring | |
| 65 | | Total depth = 65.0 feet. | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

PROJECT NUMBER: 1-61M-10135-C T2

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

LEGEND

- 2.0-inch OD / 3.0-inch OD split-spoon sample with % recovered
- 3.0-inch OD undisturbed sample with % recovered
- NR No sample recovery

Drilling Started: 2/22/02

Drilling Completed: 3/4/02

Logged By: B. Lary/SWBK

11 0135RW1PG3.DRW

| Elevation Reference: | | Well Completed: 2/28/02 | | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | (No samples. Logging by drilling character and cuttings only.) | | | | | | | | |
| 5 | | | | | | | | | |
| 10 | CLAYEY SILT to SANDY SILT, soft, damp, medium brown, mottled, very fine-grained. | | | | | | | | |
| 15 | Drilling easily and consistent. | | | | | SW | | | |
| 20 | | | | | | | | | |
| 25 | Color grades to medium gray. | | | | | | | | |
| 28 | GRAVELLY SANDS. Harder drilling - slight chatter. | | | | | | | | |
| 30 | Very hard drilling last foot. Total depth = 30.0 feet. | | | | | | | | |

LEGEND

Static groundwater level on 2/28/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/28/02

Drilling Completed: 2/28/02

Logged By: C. Bartlett

110135MW11.DRW

AMEC 0399

| Elevation Reference: | | Well Completed: 2/28/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | (No samples. Logging by drilling character and cuttings only.) | | | | | | | |
| 5 | Relatively easy drilling to 10.0 feet. | | | | | | | |
| 10 | CLAYEY SILT to SANDY SILT, damp, medium brown, very fine-grained. | | | | | | | |
| 15 | | | | | | SW | | |
| 20 | SILT to CLAYEY SILT, damp, medium brown, mottled, very fine-grained, some sand. | | | | | | | |
| 25 | Relatively easy drilling. | | | | | | | |
| 30 | Hard drilling - GRAVEL. No GRAVEL returned in cuttings. Total depth = 30.0 feet. | | | | | | | |

LEGEND

SW Static groundwater level on 2/28/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/28/02

Drilling Completed: 2/28/02

Logged By: C. Bartlett

110135MW12.DRW

AMEC 039995

Elevation Reference: Well Completed: 2/28/02 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-----------------|--|----------|
| | | | | | | | | | |
| 0 | (No samples. Logging by drilling character and cuttings only.) Easy, smooth drilling. | | | | | | | | |
| 5 | CLAYEY SILT, soft, damp, medium brown, mottled. | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | CLAYEY SILT to SANDY SILT, damp, medium brown to medium to dark gray-brown, mottled in upper section. SILT to SANDY SILT, lose clayey silt but maintain trace clay. Slightly harder drilling at 19.0-20.0 feet. | | | | | SW | | | |
| 20 | | | | | | | | | |
| 25 | Very slow, hard drilling. SAND to GRAVELLY SAND. Cuttings remain SANDY SILT. | | | | | | | | |
| 30 | | | | | | | | | |

LEGEND

Static groundwater level on 2/28/02

PROJECT NUMBER: 1-61M-10135-C T2
Cadet Manufacturing
Vancouver, Washington
AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 2/28/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Very slow, hard drilling. | | | | | | | |
| 35 | SANDY SILT, very fine- to fine-grained sand, some silty sand. | | | | | | | |
| 40 | Hard drilling. | | | | | | | |
| 45 | Hard, slow drilling. Few cuttings returned. | | | | | | | |
| 50 | Very hard and slow drilling. GRAVEL. Very hard drilling at 47.0-50.0 feet. Slight chatter, occasional jump. GRAVEL. | | | | | | | |
| 55 | Total depth = 55.0 feet. | | | | | | | |
| 60 | | | | | | | | |

LEGEND

Static groundwater level
 SW on 2/28/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/28/02

Drilling Completed: 2/28/02

Logged By: C. Bartlett

11 0135MW13PG2.DRW

AMEC 039997

| Elevation Reference: | | Well Completed: 2/28/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|----------------------------------|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | (No samples. Logging by drilling character and cuttings only.) | | | | | | Flush-Mounted Monument | |
| | SILT to CLAYEY SILT, soft, damp, light to medium brown, mottled, some very fine-grained sand. | | | | | | Concrete Surface Seal | |
| 5 | Collected some cuttings for sieve analysis. Drilling easily and smoothly. | | | | | | Locking Cap | |
| | | | | | | | Bentonite Chips (3/8-inch) | |
| 10 | SILT to CLAYEY SILT to SANDY SILT, very fine-grained. | | | | | | Casing (2-inch ID, Schedule 40 PVC) | |
| 15 | | | | | | SW | | |
| 20 | | | | | | | | |
| | SANDY SILT, silty sand minor, lose clayey silt but maintain trace clay. | | | | | | Bentonite Grout (Approximately 40 gallons) | |
| 25 | | | | | | | | |
| | Slight chatter and hard drilling. | | | | | | | |
| 30 | GRAVELLY SAND. Cuttings still SILTY SAND to SANDY SILT. | | | | | | | |

LEGEND

SW Static groundwater level on 2/28/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/28/02

Drilling Completed: 2/28/02

Logged By: C. Bartlett

110135MW14.DRW

AMEC 0395

Elevation Reference: Well Completed: 2/28/02 Boring Method: Hollow Stem Auger
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 30 | Very slow drilling. | | | | | | | |
| 35 | SILT to SANDY SILT, soft, damp to wet, medium to dark gray, very fine- to fine-grained sand, highly to moderately plastic. | | | | | | | |
| 40 | Very slow drilling. Relatively few cuttings returned. | | | | | | | |
| 45 | SILT to SANDY SILT, very fine- to fine-grained sand. | | | | | | | |
| 50 | Very slow, hard drilling. | | | | | | | |
| 55 | Total depth = 55.0 feet. | | | | | | | |

PROJECT NUMBER: 1-61M-10135-C T2

LEGEND

Static groundwater level on 2/28/02

Cadet Manufacturing
 Vancouver, Washington
AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 2/27/02 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|----------------------------------|--------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 6.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | | | | | | | |
| 5 | Average GRAVEL (slough only). | | NR | 6 | | | |
| 10 | CLAYEY SILT to SANDY SILT, medium stiff, damp, light to medium brown, mottled, intermittently, organic material at top. | | | 12 | 1.1 | | |
| 15 | SANDY SILT to SILTY SAND, stiff/medium dense, damp, medium brown, slightly mottled, homogeneous, very fine- to fine-grained. | | | 14 | 1.8 | SW | |
| 20 | SAND to SILTY SAND, medium dense, wet, medium brown-gray, slightly mottled, homogeneous, very fine- to medium-grained, occasional small pockets of silt. | | | 19 | 1.7 | | |
| 25 | SAND, dense, wet, dark brown-gray (basalt), colorful (quartz), homogeneous, fine- to very coarse-grained, trace fine gravel, minor silt (enough to turn water turbid). Predominantly basalt, minor red, white, and yellow quartz. | | | 40 | 2.3 | | |
| 30 | | | | | | | |

LEGEND

2.0-inch OD / 3.0-inch OD split- spoon sample with % recovered

NR No sample recovery

Static groundwater level on 2/27/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/27/02

Drilling Completed: 2/27/02

Logged By: C. Bartlett

10135MW15.DRW

AMEC 039999

| Elevation Reference: | | Well Completed: 2/27/02 | | | | Boring Method: Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|----------------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | | | | | | | | |
| 5 | Average GRAVEL (slough only). | | NR | 6 | | | | |
| 10 | CLAYEY SILT to SANDY SILT, medium stiff, damp, light to medium brown, mottled, intermittently, organic material at top. | | | 12 | 1.1 | | | |
| 15 | SANDY SILT to SILTY SAND, stiff/medium dense, damp, medium brown, slightly mottled, homogeneous, very fine- to fine-grained. | | | 14 | 1.8 | SW | | |
| 20 | SAND to SILTY SAND, medium dense, wet, medium brown-gray, slightly mottled, homogeneous, very fine- to medium-grained, occasional small pockets of silt. | | | 19 | 1.7 | | | |
| 25 | SAND, dense, wet, dark brown-gray (basalt), colorful (quartz), homogeneous, fine- to very coarse-grained, trace fine gravel, minor silt (enough to turn water turbid). Predominantly basalt, minor red, white, and yellow quartz. | | | 40 | 2.3 | | | |
| 30 | | | | | | | | |

LEGEND

2.0-Inch OD / 3.0-Inch OD split- spoon sample with % recovered

NR No sample recovery

Static groundwater level on 2/27/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/27/02

Drilling Completed: 2/27/02

Logged By: C. Bartlett

110135MW15.DRW

AMEC 040001

| Elevation Reference: | | Well Completed: 2/27/02 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|----------------------------------|--------------------------|--------------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 6.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 30 | SAND, medium dense, wet, dark gray-brown (basalt), colorful (quartz), fine- to very coarse-grained, 10% fine gravel, trace silt. | | | 30 | 4.5 | | Bentonite Grout (Approximately 40 gallons) |
| 35 | Grades to SAND, very coarse-grained, 20-30% fine to coarse gravel, round to subrounded. Water is very slightly silty - mostly very fine-grained sand settles out quickly. | | | 50+ | 3.5 | | Casing (2-inch ID, Schedule 40 PVC) |
| 40 | SAND, medium dense, wet, dark gray (basalt), colorful (quartz), homogeneous, round to subrounded, fine- to very coarse-grained, approximately 10% fine gravel, trace silt. Heaving SANDS. | | | 21 | 3.0 | | |
| 45 | SAND to GRAVELLY SAND, round to subrounded, medium- to very coarse-grained, 30-40% fine to coarse gravel (mostly fine), basalt, some quartz, trace silt. Heaving SANDS. | | | 50+ | 2.3 | | 10-20 Colorado Silica Sand |
| 50 | SAND to GRAVELLY SAND, very dense, wet, dark gray, round to subrounded, basalt, some quartz, trace silt. | | | 50+ | 1.8 | | Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots Prepack) |
| 55 | Total depth = 56.5 feet. | | | 50+ | 2.3 | | Cone-Shaped Silt Sump |
| 60 | | | | | | | |

LEGEND

2.0-Inch OD / 3.0-Inch OD split-spoon sample with % recovered

NR No sample recovery

Static groundwater level SW on 2/27/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 2/27/02

Drilling Completed: 2/27/02


Logged By: C. Bartlett

110135MW15PG2.DRW

AMEC 0400

| Elevation Reference: | | Well Completed: 3/1/02 | | Boring Method: Hollow Stem Auger | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|----------------------------------|-------------------------|--------------|---|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 6.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | | | | | | | Flush-Mounted Monument Concrete Surface Seal Locking Cap Bentonite Chips (3/8-inch) Casing (2-inch ID, Schedule 40 PVC) |
| 5 | SILT, stiff, dry to damp, medium brown, mottled, trace organics, trace clay. | | | 11 | 2.2 | | |
| 10 | SAND, round to subrounded, very coarse- to coarse-grained, basalt (1.0-inch lens at top). SANDY SILT to SILT, stiff, damp, medium brown, slightly mottled, very fine- to fine-grained, thin zones of clayey silt, trace clay. | | | 13 | 1.0 | | |
| 15 | SILTY SAND, medium dense, wet, dark gray-brown, well-sorted, very fine- to fine-grained, some silt, trace mica. | | | 16 | 1.0 | SW | |
| 20 | SAND, medium dense, wet, dark gray to black (basalt and quartz), round to subrounded, fine- to coarse-grained, one large gravel, interbedded with SILTY SAND, medium dense, wet, dark gray-brown, very fine- to fine-grained, silt. Grades to sand in last 0.25-0.5 feet. | | | 19 | | | 10-20 Colorado Silica Sand |
| 25 | SAND, dense, wet, dark gray to black, homogeneous, round to subrounded, well-sorted, fine- to medium-grained, basalt, some quartz, trace silt. | | | 35 | 1.5 | | Well Screen (2-inch ID, Schedule 40 PVC with 0.010-inch slots Prepack) |
| 30 | Grades with approximately 15% coarse- to very coarse-grained SAND. Total depth = 30.0 feet. | | | 50+ | | | Cone-Shaped Silt Sump |

LEGEND

 2.0-inch OD / 3.0-inch OD split-spoon sample with % recovered

 Static groundwater level on 3/1/02

PROJECT NUMBER: 1-61M-10135-C T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

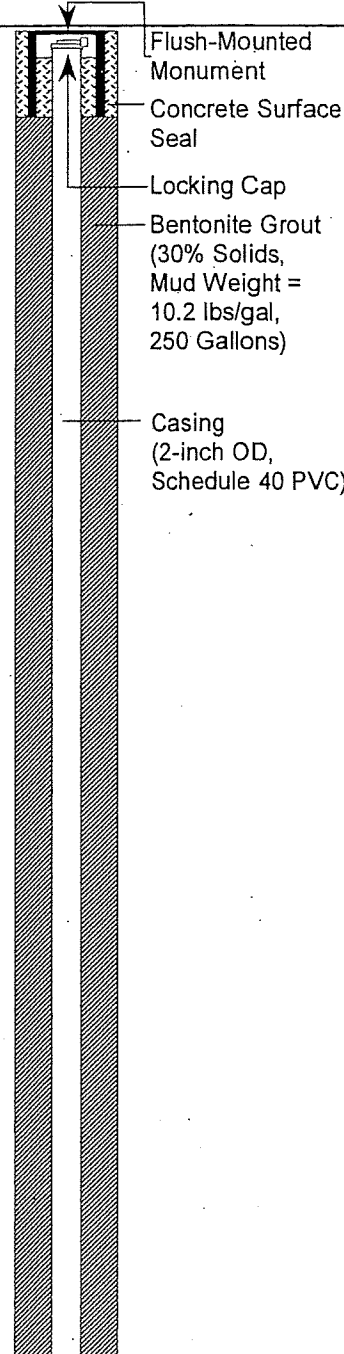
110135MW16.DRW

Drilling Started: 3/1/02





Drilling Completed: 3/1/02

Logged By: C. Bartlett

AMEC 040003

| Elevation Reference: | | Well Completed: 7/13/02 | | | | Boring Method: Air Rotary - 6.0" TUBEX w/Precussion Button Bit | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|------------------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 4.0-inch concrete slab. Base course crushed rock FILL with silt. | | | | | |  | |
| 5 | Easy drilling. | | | | | | | |
| 10 | Slightly harder drilling at 7.0-9.0 feet. | | | | | | | |
| 15 | SANDY SILT (ML), soft, dry, medium to dark grayish brown, very fine- to fine-grained sand, rounded to subrounded, trace mica. | | | | 0.0 | | | |
| 20 | Relatively slow drilling. | | | | | | | |
| 25 | Damp. | | | | 1.6 | | | |
| 25 | SAND (SP), loose, wet to saturated, gray-brown, fine- to medium-grained, poorly graded, trace silt. | | | | | | | |
| 30 | GRAVELLY SAND (SP/GP), fine-grained, encountered at 25.5 feet. Water production approximately 0.5 gpm. | | | | 0.3 | | | |

LEGEND

-  Encountered groundwater level WD while drilling
-  Static groundwater level SW on 7/13/02
-  Groundwater Analysis (Test Method Shown)
-  Soil Analysis (Test Method Shown)

* Lithology logged by drill character and return cuttings from cyclone.

PROJECT NUMBER: 2-61M-10135-N T2





Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/13/02 | | | | Boring Method: Air Rotary - 6.0" TUBEX w/Precussion Button Bit | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | GRAVELLY SAND (SP/GP), dense, saturated, gray-brown, predominantly medium-grained sand and fine gravel, poorly graded, subrounded. | | | | | | Bentonite Grout (30% Solids, Mud Weight = 10.2 lbs/gal, 250 Gallons) | |
| 35 | | | | | 0.0 | | | |
| | Transition to SANDY GRAVEL, gravel content increases. Water production increases to approximately 2.0-3.0 gpm. | | | | | | Casing (2-inch OD, Schedule 40 PVC) | |
| 40 | Water production approximately 5.0 gpm. | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | Water production approximately 5.0-10.0 gpm. Drill rate approximately 1.0 foot/0.5 minute. SANDY GRAVEL. | | | | | | | |
| 60 | | | | | 0.0 | | | |

LEGEND

-  Encountered groundwater level while drilling (WD)
-  Static groundwater level on 7/13/02 (SW)
-  Groundwater Analysis (Test Method Shown)
-  Soil Analysis (Test Method Shown)

* Lithology logged by drill character and return cuttings from cyclone.

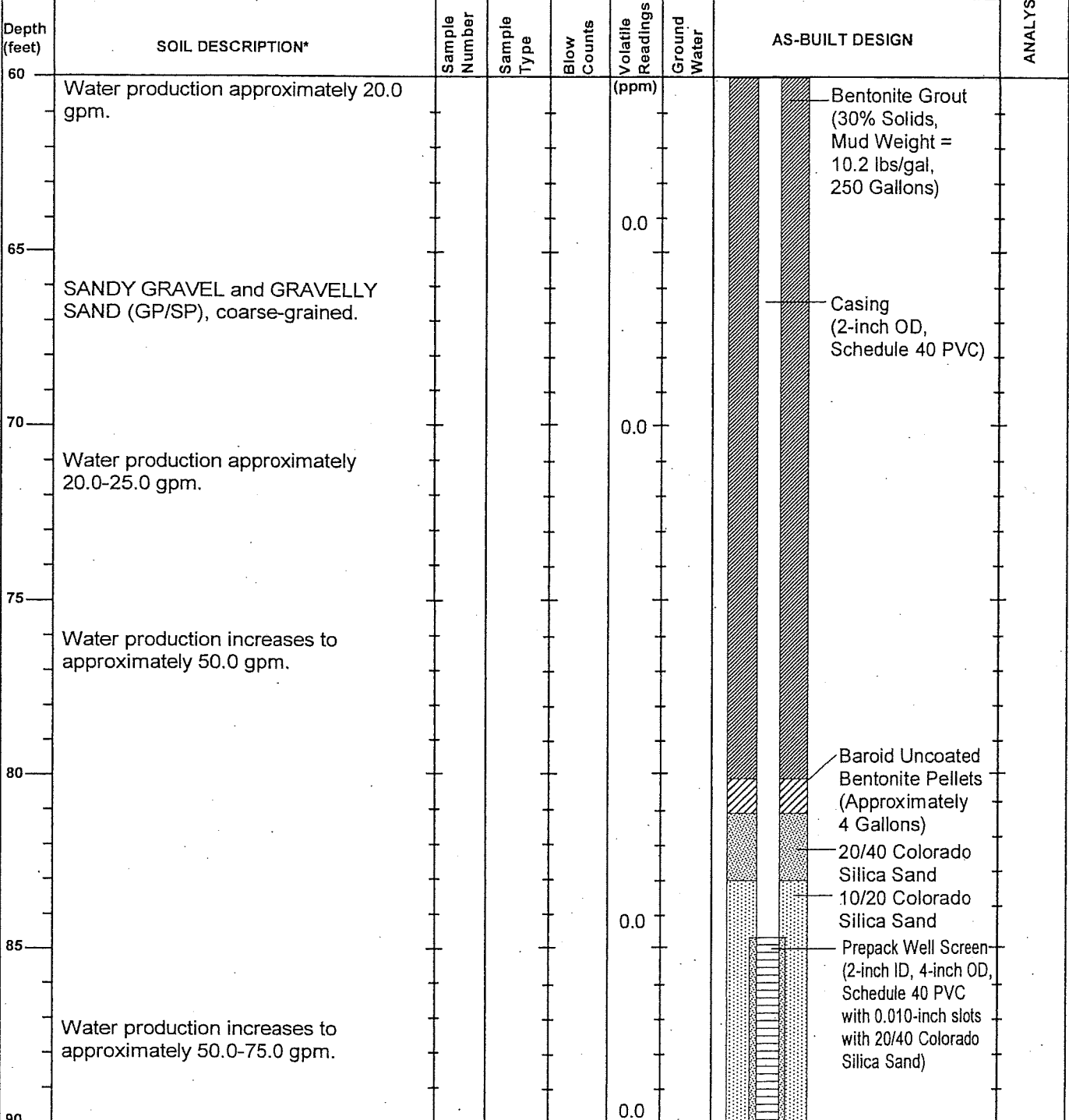
PROJECT NUMBER: 2-61M-10135-N T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 7/13/02 Boring Method: Air Rotary - 6.0" TUBEX w/Precussion Button Bit
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 6.0"



LEGEND

- Encountered groundwater level while drilling (WD)
- Static groundwater level on 7/13/02 (SW)
- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)

* Lithology logged by drill character and return cuttings from cyclone.

PROJECT NUMBER: 2-61M-10135-N T2

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

110135MW17PG3.DRW

| Elevation Reference: | | Well Completed: 7/13/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | | | | | | | | |
| 95 | <p>Total depth of well = 95.0 feet below ground surface.</p> <p>Let water stabilize to static while leaving bit on bottom. Hole stayed open to 95.0 feet. Trip out rods. Sounded hole = 95.2 feet.</p> | | | | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

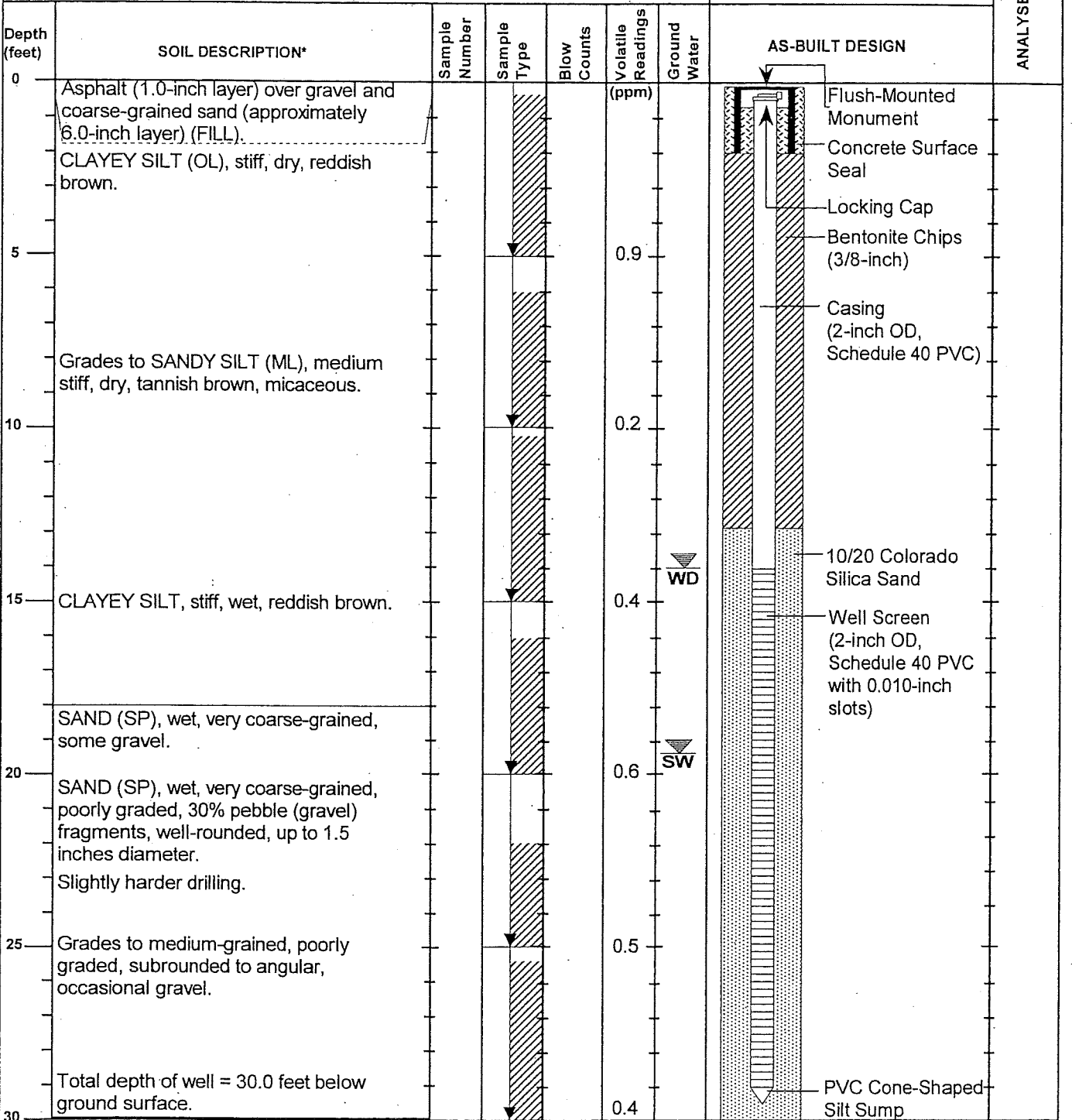
- Encountered groundwater level while drilling
- Static groundwater level on 7/13/02
- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)
- * Lithology logged by drill character and return cuttings from cyclone.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 7/16/02 Boring Method: Direct Push/
 Relative Ground Surface Elevation: Relative Casing Elevation: Hollow Stem Auger
 Borehole Diameter: 8.0"



LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater while drilling
- Static groundwater level on 7/15/02
- Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 30.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

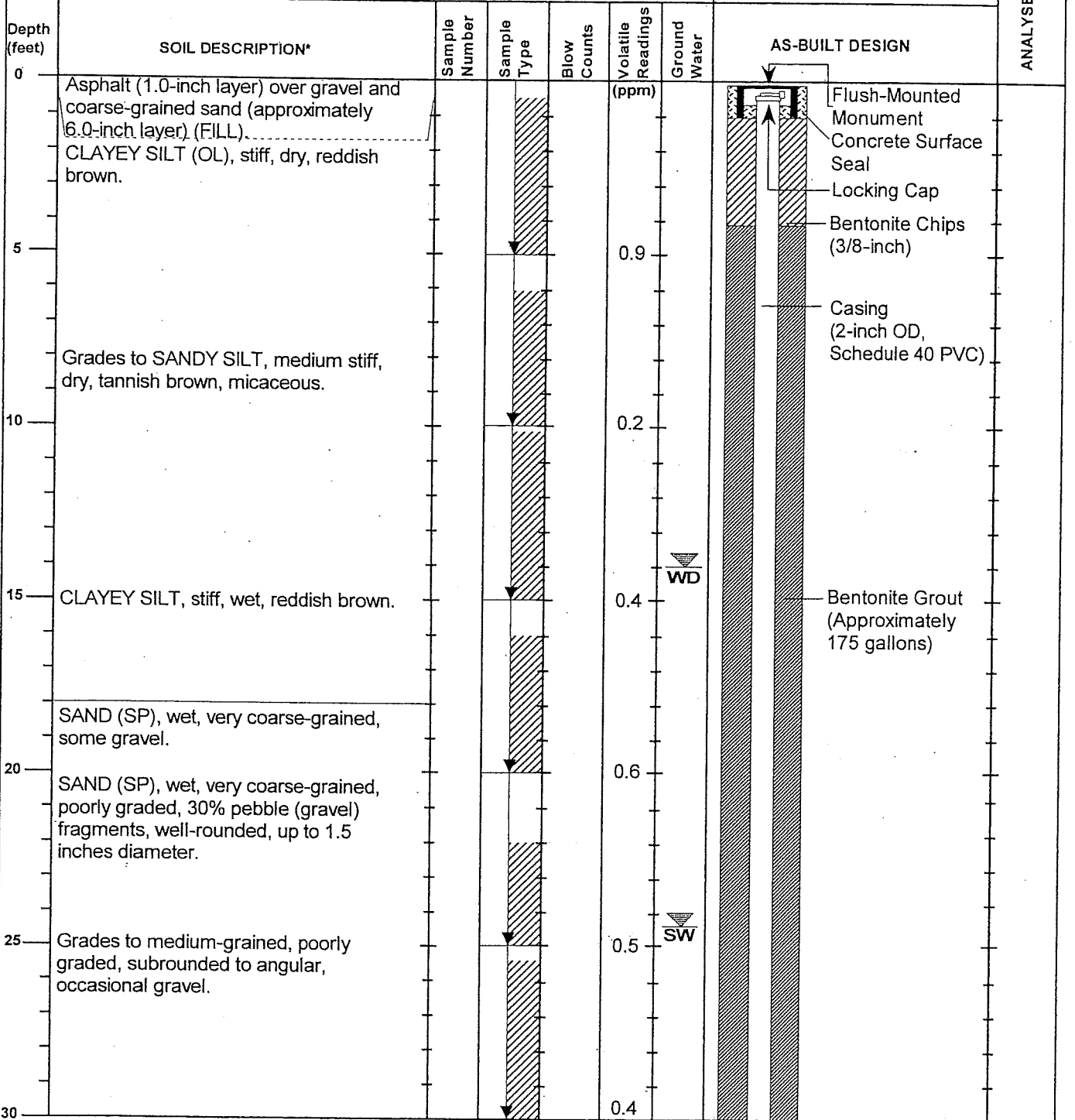
V10135MW18s.DRW

Drilling Started: 7/15/02

Drilling Completed: 7/16/02

Logged By: K. Finucane/C. Bartlett

Elevation Reference: Well Completed: 7/17/02 Boring Method: Direct Push/
 Relative Ground Surface Elevation: Relative Casing Elevation: Hollow Stem Auger
 Borehole Diameter: 8.0"



LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/15/02

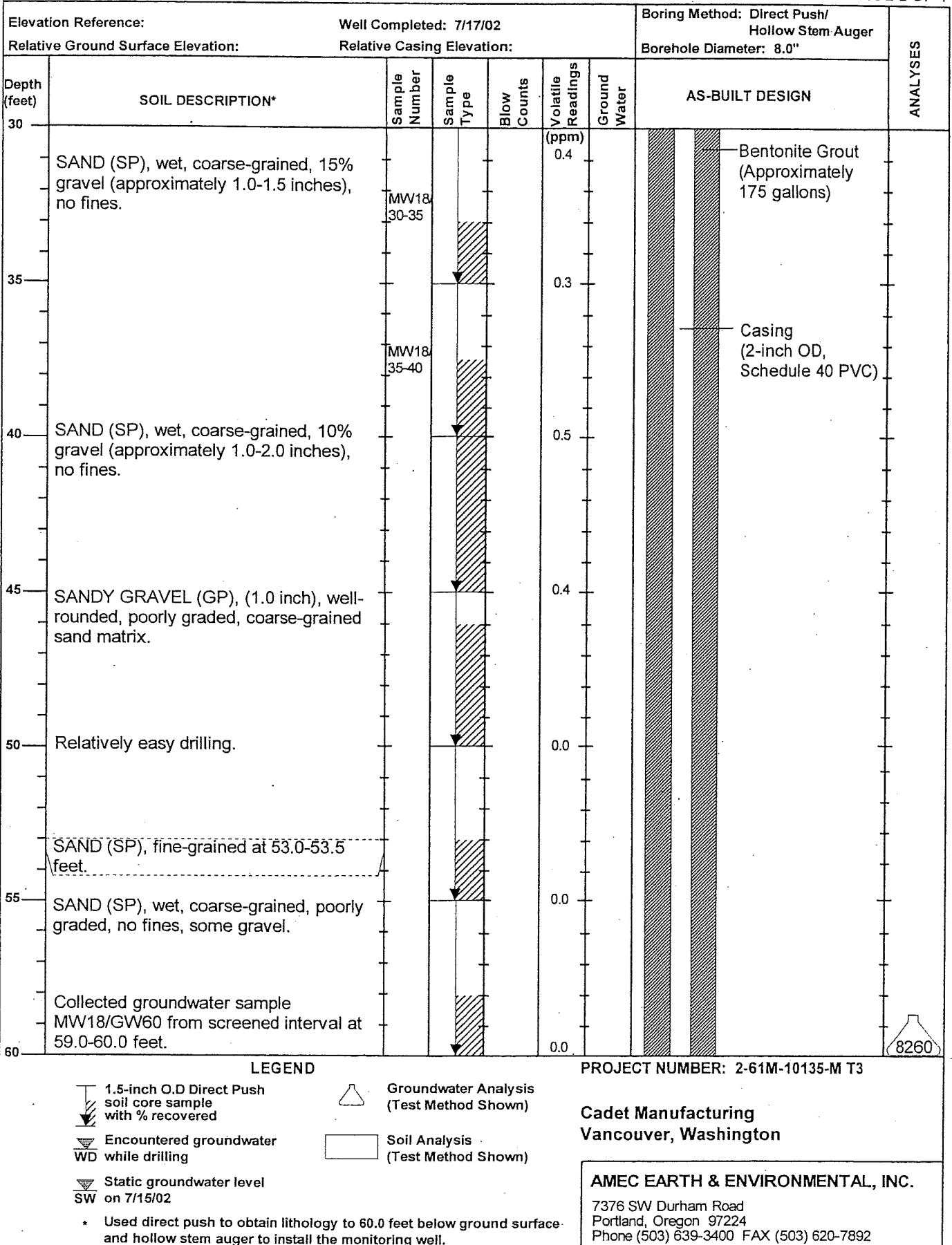
PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.



LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Encountered groundwater while drilling
- Static groundwater level on 7/15/02
- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)

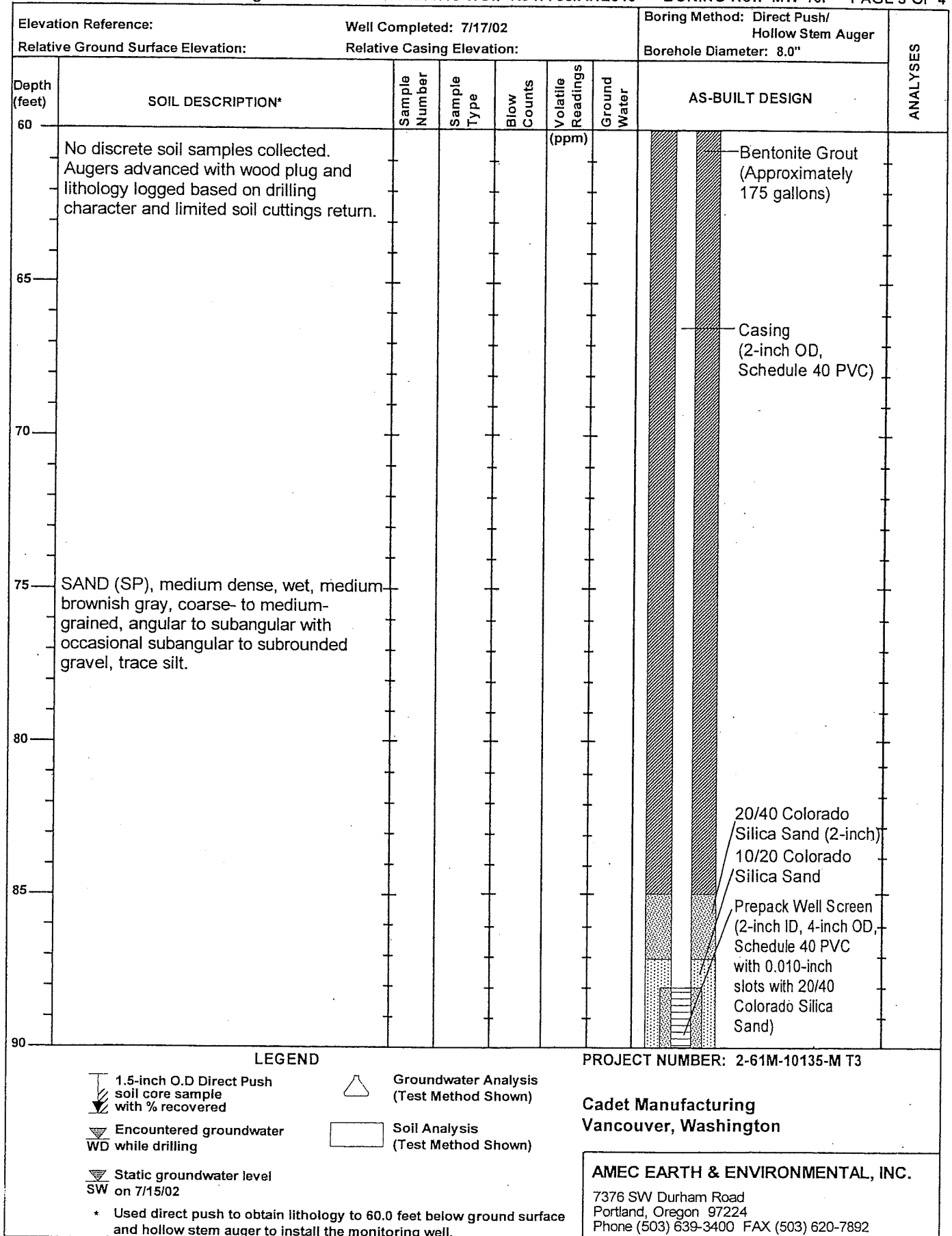
PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.



LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Encountered groundwater WD while drilling
- Static groundwater level SW on 7/15/02

- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/17/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | | | | | | | | |
| 95 | | | | | | | | |
| 100 | Total depth of well = 100.0 feet below ground surface. | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Encountered groundwater while drilling
- Static groundwater level on 7/15/02

- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 60.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 8/23/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-190.0'
 6.0" 190.0-202.7'

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|--|----------|
| | | | | | | | | | |
| 0 | ASPHALT street. | | | | | | Flush-Mounted Monument | | |
| | | | | | | | Concrete Surface Seal | | |
| | | | | | | | Locking Cap | | |
| 5 | SILT (ML), moist, dark brown, micaceous. | | | | | | Pea Gravel (4.5 Yards) | | |
| | | | | | | | Casing (2-inch OD, Schedule 80 PVC) | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | SAND (SP), very coarse-grained, angular to subrounded. | | | | | | | | |
| 25 | SAND (SP), very coarse-grained with trace (5%) well-rounded gravel (approximately 1.5-inch). Wet. | | | | | | | | |
| 30 | | | | | | | Bentonite Grout (1,150 Gallons) | | |

LEGEND

▼
WD Encountered groundwater level while drilling

△ Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary


110135MW18d.DRW


AMEC 001671

Elevation Reference: Well Completed: 8/23/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-190.0'
 6.0" 190.0-202.7'

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES | |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|--|----------|--|
| 30 | | | | | | | Bentonite Grout (1,150 Gallons) Casing (2-inch OD, Schedule 80 PVC) | | |
| 35 | | | | | | | | | |
| 40 | GRAVEL (GW), wet, up to 2.0-inch, very coarse, well-graded, rounded to subrounded, mostly mudstone gravel, some quartzite and lithic fragments. | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | GRAVEL (GW), very coarse, well graded, some very coarse-grained sand layers. | | | | | | | | |
| 55 | SANDY GRAVEL (GP), wet, mostly black with tan and red, 1/8-inch to 1.5-inch clasts, very coarse-grained, angular to well-rounded, basalt, chert, quartzite, mudstone lithics. | | | | | | | | |
| 60 | | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (Test Method Shown)

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary

110135\MW18dPG2.DRW

| Elevation Reference: | | Well Completed: 8/23/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-190.0' 6.0" 190.0-202.7' | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 60 | SANDY GRAVEL (GP), wet, mostly black with tan and red (quartzite/chert), 1/8-inch to 1.5-inch clasts, very coarse-grained, angular to well-rounded, basalt, chert, quartzite, mudstone lithics. | | | | | | | |
| 65 | | | | | | | | |
| 70 | Trace clay, very light brown to tan, slick. | | | | | | | |
| 75 | SILTY SAND (SP), multicolored (black, red, tan), medium- to coarse-grained, subangular. | | | | | | | |
| 80 | Heaving sand conditions. | | | | | | | |
| 85 | | | | | | | | |
| 90 | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary



110135\MW18dPG3.DRW

AMEC 001673

Elevation Reference: Well Completed: 8/23/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-190.0'
 6.0" 190.0-202.7'

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-------------------------------------|----------|
| 90 | | | | | | | Bentonite Grout (1,150 Gallons) | |
| 95 | | | | | | | Casing (2-inch OD, Schedule 80 PVC) | |
| 100 | SAND (SP), loose, wet, brown, fine-grained, heaving conditions. | | | | | | | |
| 105 | | | | | | | | |
| 110 | | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

-  Encountered groundwater level while drilling
-  Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary

110135MW18dPG4.DRW

| Elevation Reference: | | Well Completed: 8/23/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|---|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-190.0' 6.0" 190.0-202.7' | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 120 | SAND (SP), loose, wet, brown, fine-grained, heaving conditions. | | | | | | | |
| 125 | | | | | | | | |
| 130 | SANDY GRAVEL (GP), medium dense, wet, brown and black, coarse-grained sand and small gravel. | | | | | | | |
| 135 | | | | | | | | |
| 140 | SAND (SP), loose, wet, brown, fine-grained. No resistance - casing dropped all 10.0 feet. | | | | | | | |
| 145 | | | | | | | | |
| 150 | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary

110135\MW18dPG5.DRW

| | | |
|------------------------------------|----------------------------|---|
| Elevation Reference: | Well Completed: 8/23/02 | Boring Method: Air Rotary |
| Relative Ground Surface Elevation: | Relative Casing Elevation: | Borehole Diameter: 8.0" 0.0-190.0' 6.0" 190.0-202.7' |

| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|--|----------|
| 150 | SAND (SP), loose, wet, brown, fine-grained. | | | | | | Bentonite Grout (1,150 Gallons) Casing (2-inch OD, Schedule 80 PVC) | |
| 155 | | | | | | | | |
| 160 | | | | | | | | |
| 165 | | | | | | | | |
| 170 | | | | | | | | |
| 175 | GRAVEL (GW), dense, wet, black-brown, 3.0-inch plus, rounded to subrounded, well-graded. Lithology includes 60-70% basalt, 30-40% other, no sign of cementation. Increased water production. | | | | | | | |
| 180 | | | | | | | | |

LEGEND

▼
WD Encountered groundwater level while drilling

△ Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary

V10135MW18dPG6.DRW

| Elevation Reference: | | Well Completed: 8/23/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-190.0' 6.0" 190.0-202.7' | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 180 | GRAVEL (GW), dense, wet, black-brown, 3.0-inch to 4.0-inch, rounded to subrounded, well-graded. Lithology includes 60-70% basalt, 30-40% other, no sign of cementation. Increased water production. | | | | | | | |
| 185 | | | | | | | | |
| 190 | Switched to 6.0-inch casing. | | | | | | | |
| 195 | | | | | | | | |
| 200 | Troutdale Formation, (TGA), cemented. Reduction in water. Open hole, 3.0 feet, not caving. | | | | | | | |
| 205 | Total depth = 202.7 feet below ground surface. | | | | | | | |
| 210 | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

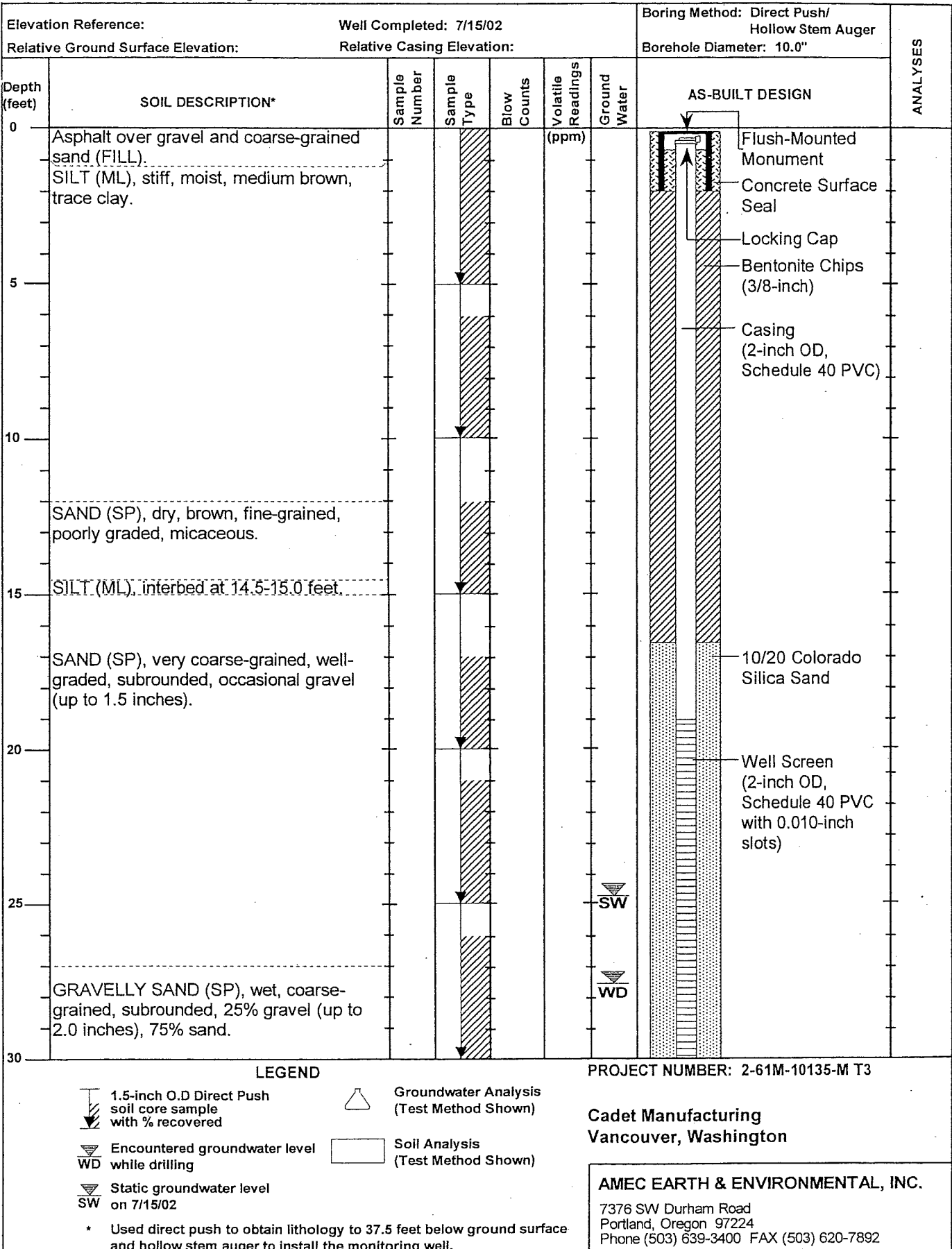
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/19/02

Drilling Completed: 8/23/02

Logged By: K. Finucane/B. Lary

110135MW18dPG8.DRW



Drilling Started: 7/15/02

Drilling Completed: 7/15/02

Logged By: K. Finucane/S. Bourcy

V10135MW19s.DRW

| Elevation Reference: | | Well Completed: 7/15/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 10.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Increasing GRAVEL. | | | | | | | |
| 35 | | | | | | | | |
| | Total depth of well = 37.5 feet below ground surface. | MW19s/35-37.5 | | | | | | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater level while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/15/02

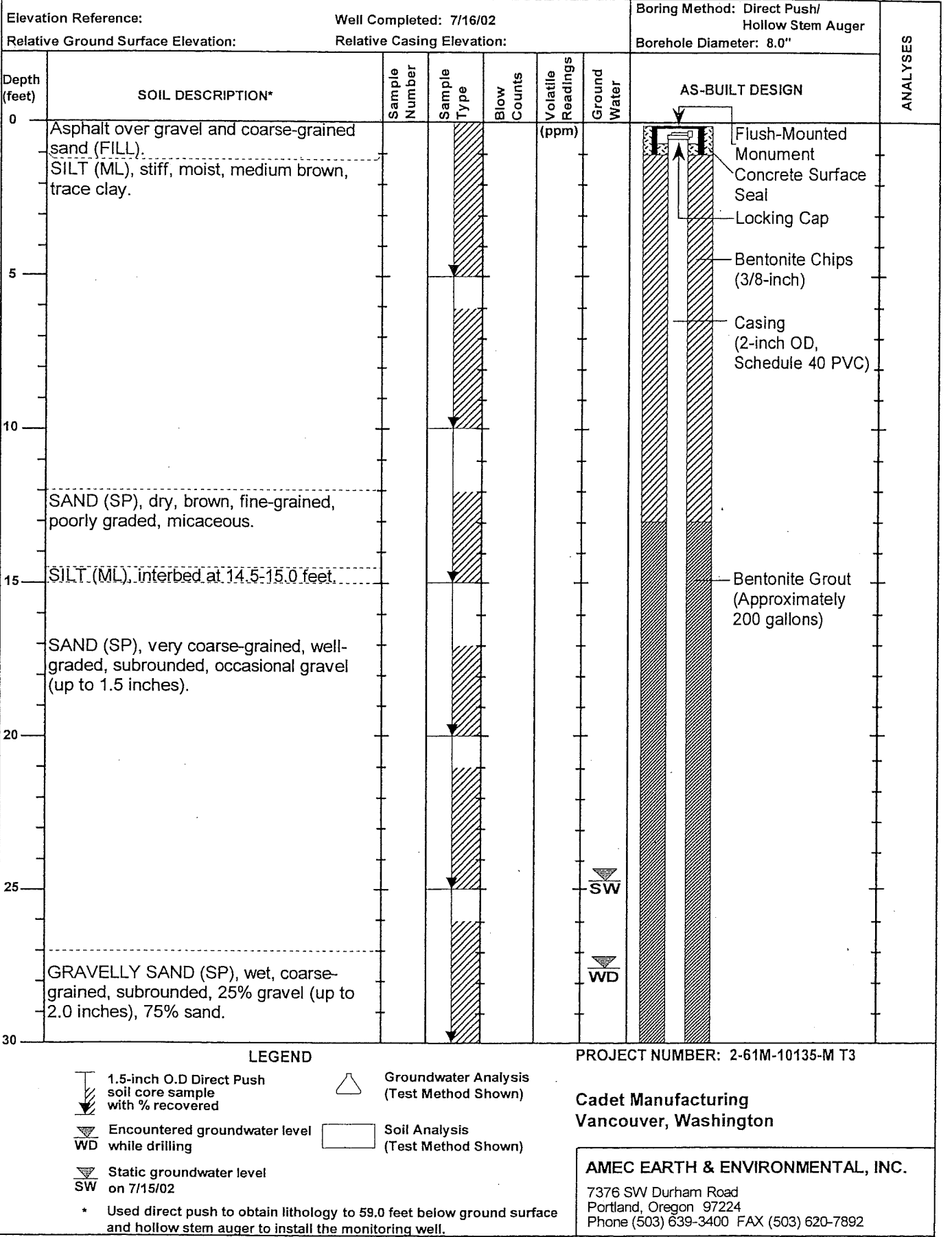
* Used direct push to obtain lithology to 37.5 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892



Drilling Started: 7/15/02

Drilling Completed: 7/16/02

Logged By: K. Finucane/C. Bartlett

110135MW19i.DRW

* Used direct push to obtain lithology to 59.0 feet below ground surface and hollow stem auger to install the monitoring well.

| Elevation Reference: | | Well Completed: 7/16/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Increasing GRAVEL. | | | | | | | |
| 35 | | MW19/30-40 | | | | | Bentonite Grout (Approximately 200 gallons) | TOC |
| 40 | SAND (SP), very coarse-grained, some gravel (approximately 1.0 inch), well-rounded. | | | | | | | |
| 45 | SAND, fine-grained at 44.0-44.5 feet. SANDY GRAVEL (GP), (1.0 inch), well-rounded, coarse-grained sand matrix, no silt. | | | | | | | |
| 50 | GRAVEL (GP), (0.5-1.5 inches), coarse, poorly graded, coarse-grained sand (0.25 inch) matrix, few to no fines. | | | | | | | |
| 55 | | | | | | | | |
| 60 | Collected groundwater sample MW19/GW59 from screened interval at 55.0-59.0 feet. | | | | | | | 8260 |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater level while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/15/02

* Used direct push to obtain lithology to 59.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

V10135MW19iPG2.DRW

| Elevation Reference: | | Well Completed: 7/16/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 8.0" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 60 | SANDY GRAVEL (GP). | | | | | | Bentonite Grout (Approximately 200 gallons) | | |
| 65 | No discrete soil samples collected. Augers advanced with wood plug. Lithology logged based on drilling character. | | | | | | Casing (2-inch OD, Schedule 40 PVC) | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | 20/40 Colorado Silica Sand | | |
| | | | | | | | 10/20 Colorado Silica Sand | | |
| 85 | Harder drilling. | | | | | | Prepack Well Screen (2-inch ID, 4-inch OD, Schedule 40 PVC with 0.010-inch slots with 20/40 Colorado Silica Sand) 84-94 | | |
| 90 | | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Encountered groundwater level while drilling
- Static groundwater level on 7/15/02
- Groundwater Analysis (Test Method Shown)
- Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 59.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/16/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" | | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 90 | | | | | | | | | |
| 95 | | | | | | | | | |
| 100 | Total depth of well = 100.0 feet below ground surface. | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater level while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/15/02

* Used direct push to obtain lithology to 59.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 8/28/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-160.0'
 6.0" 160.0-181.6'

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|---|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| | | | | | | | | |
| 0 | ASPHALT, roadbed. | | | | | | | |
| 0-5 | SILT (ML), soft, dry, light brown, micaceous. | | | | | | | |
| 5-20 | | | | | | | | |
| 20-30 | SAND (SP), loose, dry, grayish brown, 1/8-inch to 1/4-inch with 10% 3/4-inch to 1.0-inch gravel, subrounded to angular. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

- Encountered groundwater level while drilling
- Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

Drilling Started: 8/23/02

Drilling Completed: 8/28/02

Logged By: C. Bartlett/K. Finucane

| Elevation Reference: | | Well Completed: 8/28/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-181.6' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Wet. Increasing gravel (approximately 40%), up to 1.5-inch. | | | | | WD | Bentonite Grout (1,400 Gallons) Casing (2-inch OD, Schedule 80 PVC) | |
| 35 | SANDY GRAVEL (GP), loose, moist, white, red, brown, gray, and black, approximately 1/8-inch, well-rounded, large (approximately 1.5-inch), angular, gravel fragments, fragments of various lithology. | | | | | | | |
| 40 | | | | | | | | |
| 45 | GRAVEL layer, 1.0-inch to 1.5-inch, well-rounded. SANDY GRAVEL (GP), wet, coarse-grained, well-rounded pebbles composed of chert, quartzite, mudstone, and basalt. | | | | | | | |
| 50 | GRAVEL, up to 3.0-inch. | | | | | | | |
| 55 | SANDY GRAVEL (GP), wet, coarse-grained, no cementation. | | | | | | | |
| 60 | | | | | | | | |

LEGEND

WD Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

Drilling Started: 8/23/02

Drilling Completed: 8/28/02

Logged By: C. Bartlett/K. Finucane

110135MW19dPG2.DRW

| Elevation Reference: | | Well Completed: 8/28/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-181.6' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 60 | SANDY GRAVEL (GP), wet, coarse-grained, no cementation. | | | | | | Bentonite Grout (1,400 Gallons) Casing (2-inch OD, Schedule 80 PVC) | |
| 65 | | | | | | | | |
| 70 | Angular. | | | | | | | |
| 75 | | | | | | | | |
| 80 | Large gravel, well-rounded, no sand. | | | | | | | |
| 85 | Angular. | | | | | | | |
| 90 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling
WD

△ Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 8/28/02 | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|---|-------------------------------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-181.6' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 90 | | | | | | | Bentonite Grout (1,400 Gallons) | |
| 95 | SAND (SP), medium-grained, poorly graded, occasional gravel. Increased water. | | | | | | Casing (2-inch OD, Schedule 80 PVC) | |
| 100 | Increasing gravel. | | | | | | | |
| 105 | GRAVEL (GP), approximately 1.0-inch to 3.0-inch diameter, 100%. | | | | | | | |
| | SANDY GRAVEL (GP), coarse-grained. | | | | | | | |
| 110 | Angular rock fragments. | | | | | | | |
| 115 | | | | | | | | |
| 120 | | | | | | | | |

LEGEND

▼ Encountered groundwater level while drilling



Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

Drilling Started: 8/23/02

Drilling Completed: 8/28/02

Logged By: C. Bartlett/K. Finucane

V10135MW19dPG4.DRW

| Elevation Reference: | | Well Completed: 8/28/02 | | | | | Boring Method: Air Rotary | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|---|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-181.6' | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 120 | SANDY GRAVEL (GP), wet, abundant very fine-grained sand, heaving. | | | | | | | | |
| 125 | SAND (SP), wet, fine-grained, some angular gravel. Appearance of numerous tan clay flakes. | | | | | | | | |
| 130 | SAND (SP), wet, light brown, very fine- to fine- with some very coarse-grained, coarse to fine, angular gravel, mostly basalt, some (minor) chert (approximately 10%). | | | | | | | | |
| 135 | SANDY GRAVEL (GP), fine angular chips, (< 1.0-inch) to rounded 1.0-inch to 2.0-inch gravel. | | | | | | | | |
| 140 | | | | | | | | | |
| 145 | | | | | | | | | |
| 150 | | | | | | | | | |

LEGEND

Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 8/28/02 | | Boring Method: Air Rotary | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|---|--------------------------|--------------|---|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 8.0" 0.0-160.0' 6.0" 160.0-181.6' | | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 150 | SAND, some angular basalt gravel (mostly chips). | | | | | | Bentonite Grout (1,400 Gallons) |
| 155 | SAND (SP), wet, medium brown, very fine- to fine-grained, poorly graded, some to trace angular basalt gravel chips, occasional chert, quartzite, and mudstone (tan clay flakes). | | | | | | Casing (2-inch OD, Schedule 80 PVC) |
| 160 | Switched to 6.0-inch casing. SAND (SP) to SANDY GRAVEL (GP), < 1.0-inch, angular gravel chips, basalt, trace chert and quartzite. | | | | | | |
| 165 | Slightly larger gravel, 1.0-inch to 2.0-inch, angular chips, basalt. | | | | | | 20/40 Colorado Silica Sand |
| 170 | SAND (SP), wet, medium brown, very fine- to fine-grained, trace mica and pyrite (mostly basalt). | | | | | | Centralizer |
| 170 | Mudstone, light tan, minor percentage. | | | | | | Prepack Well Screen (2-inch ID, 4-inch OD, Schedule 80 PVC with 0.010-inch slots with 20/40 Colorado Silica Sand) |
| 175 | SANDY GRAVEL to GRAVEL (GP), medium- to very coarse-grained sand, fine to occasional larger (1.0-inch to 2.0-inch) gravel, rounded, abundant angular chips, grading to trace fine- to very fine-grained sand, basalt (90%), chert, quartzite, and other volcanics (10%), minor to very minor cement, oxidation. Increased water production, difficulty advancing casing. (Possibly weathered TGA.) | | | | | | 10/20 Colorado Silica Sand |
| 180 | | | | | | | Cone-Shaped Silt Sump |

LEGEND

WD Encountered groundwater level while drilling

Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

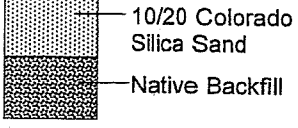
Drilling Started: 8/23/02

Drilling Completed: 8/28/02


Logged By: C. Bartlett/K. Finucane


110135MW19dPG6.DRW

Elevation Reference: Well Completed: 8/28/02 Boring Method: Air Rotary
 Relative Ground Surface Elevation: Relative Casing Elevation: Borehole Diameter: 8.0" 0.0-160.0"
 6.0" 160.0-181.6'

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|--------------------------|--------------|---|----------|
| 180 | GRAVEL, 0.5-inch to 3.0-inch, round with angular to occasionally subangular, 1.0-inch to 2.0-inch, (abundant very coarse-grained, sand-sized, angular chips), gravel (approximately 15-20%), oxidation, fine- to very fine-grained, sandy cementation, basalt (approximately 75%), chert and quartzite (10%), other volcanics (15%). At 183.0 feet, appear to be at top of TGA. Casing was stopped and water production decreased significantly. Cementation increased and lithologic variability increased at 183.0 feet. Total depth = 183.0 feet below ground surface, casing stopped. | | | | | |  | |
| 185 | | | | | | | | |
| 190 | | | | | | | | |
| 195 | | | | | | | | |
| 200 | | | | | | | | |
| 205 | | | | | | | | |
| 210 | | | | | | | | |

LEGEND

 Encountered groundwater level while drilling

 Groundwater Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-0

Cadet Manufacturing
 Vancouver, Washington

* No soil sampling. Descriptions are based on soil cuttings and drilling character.

AMEC EARTH & ENVIRONMENTAL, INC.

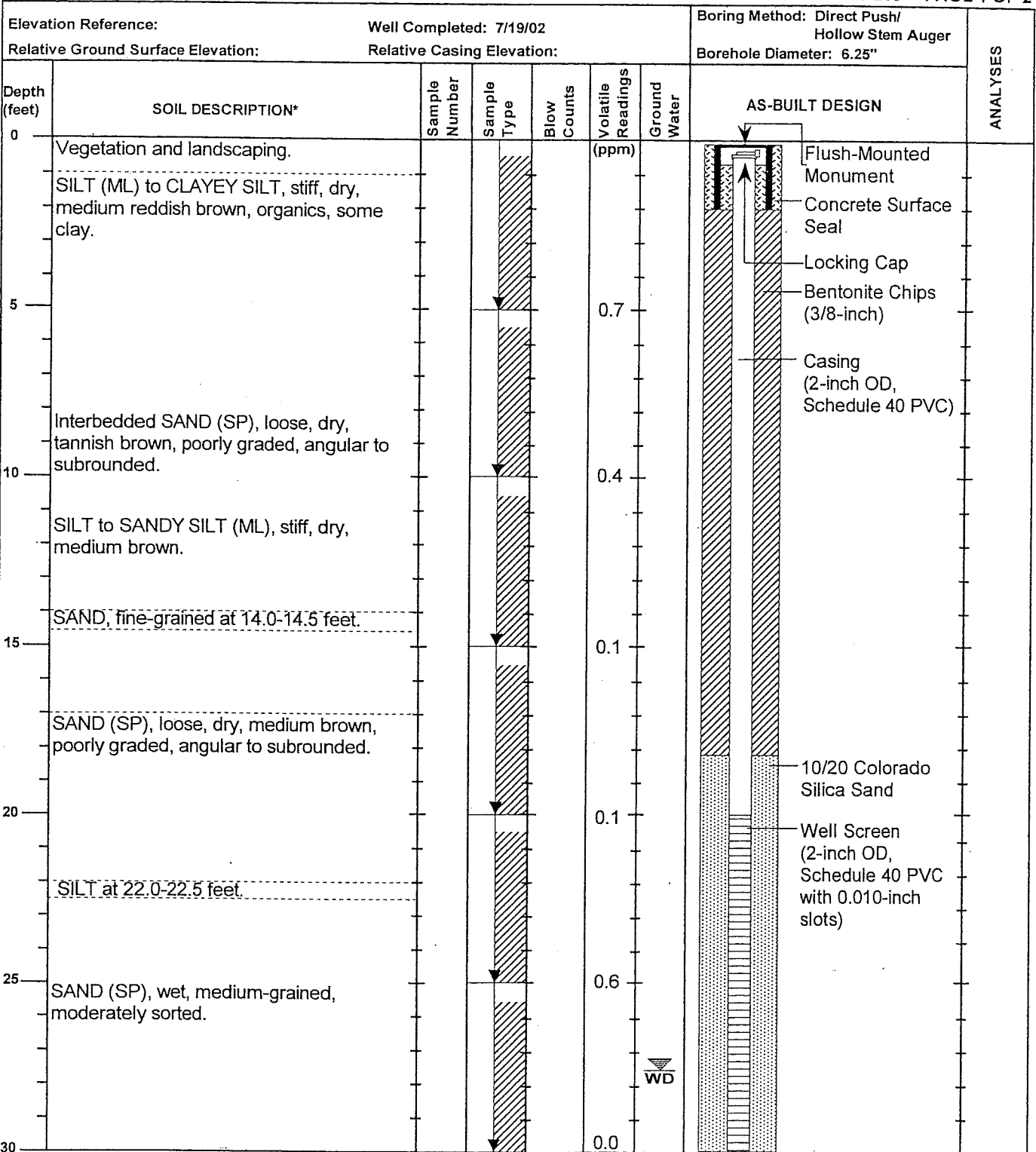
7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/23/02





Drilling Completed: 8/28/02

Logged By: C. Bartlett/K. Finucane

110135MW19dPG8.DRW



LEGEND

-  1.5-inch O.D Direct Push soil core sample with % recovered
-  Groundwater Analysis (Test Method Shown)
-  Encountered groundwater level WD while drilling
-  Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 35.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

110135MW20s.DRW

| Elevation Reference: | | Well Completed: 7/19/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 30 | Very easy probing at 31.0 feet (flowing SAND). SAND (SW), wet, coarse-grained, well-graded, gravel (approximately 1.0 inch), no fines. | | | | 0.0 | | | |
| 35 | | MW20 30-40 | | | 0.2 | | | |
| | Total depth of well = 35.0 feet below ground surface. | | | | | | | |
| 40 | | | | | | | | |
| 45 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |

LEGEND

1.5-inch O.D Direct Push soil core sample with % recovered

Groundwater Analysis (Test Method Shown)

Encountered groundwater level WD while drilling

Soil Analysis (Test Method Shown)

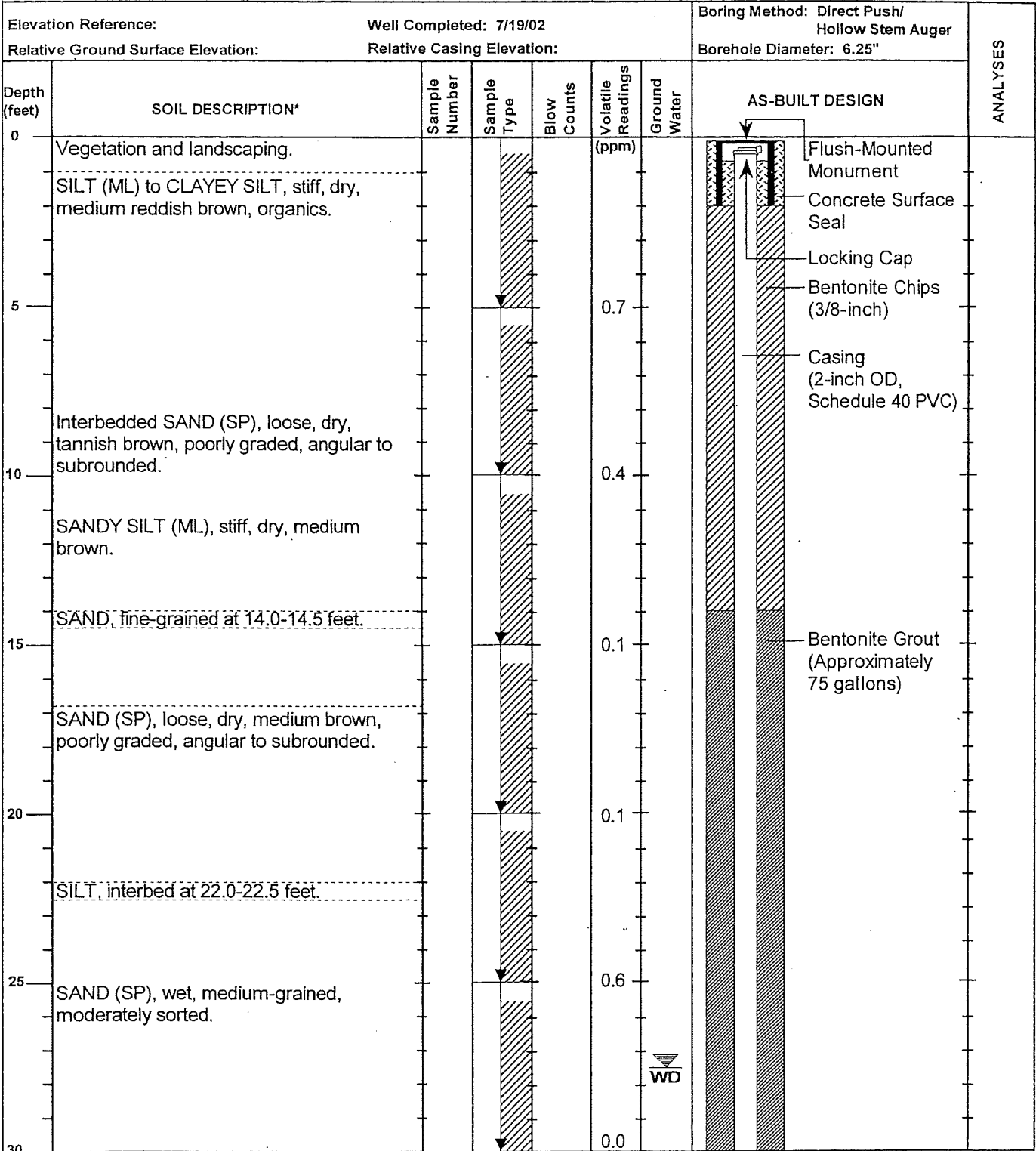
* Used direct push to obtain lithology to 35.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3





Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892



LEGEND

-  1.5-inch O.D Direct Push soil core sample with % recovered
-  Groundwater Analysis (Test Method Shown)
-  Encountered groundwater level while drilling
-  Soil Analysis (Test Method Shown)

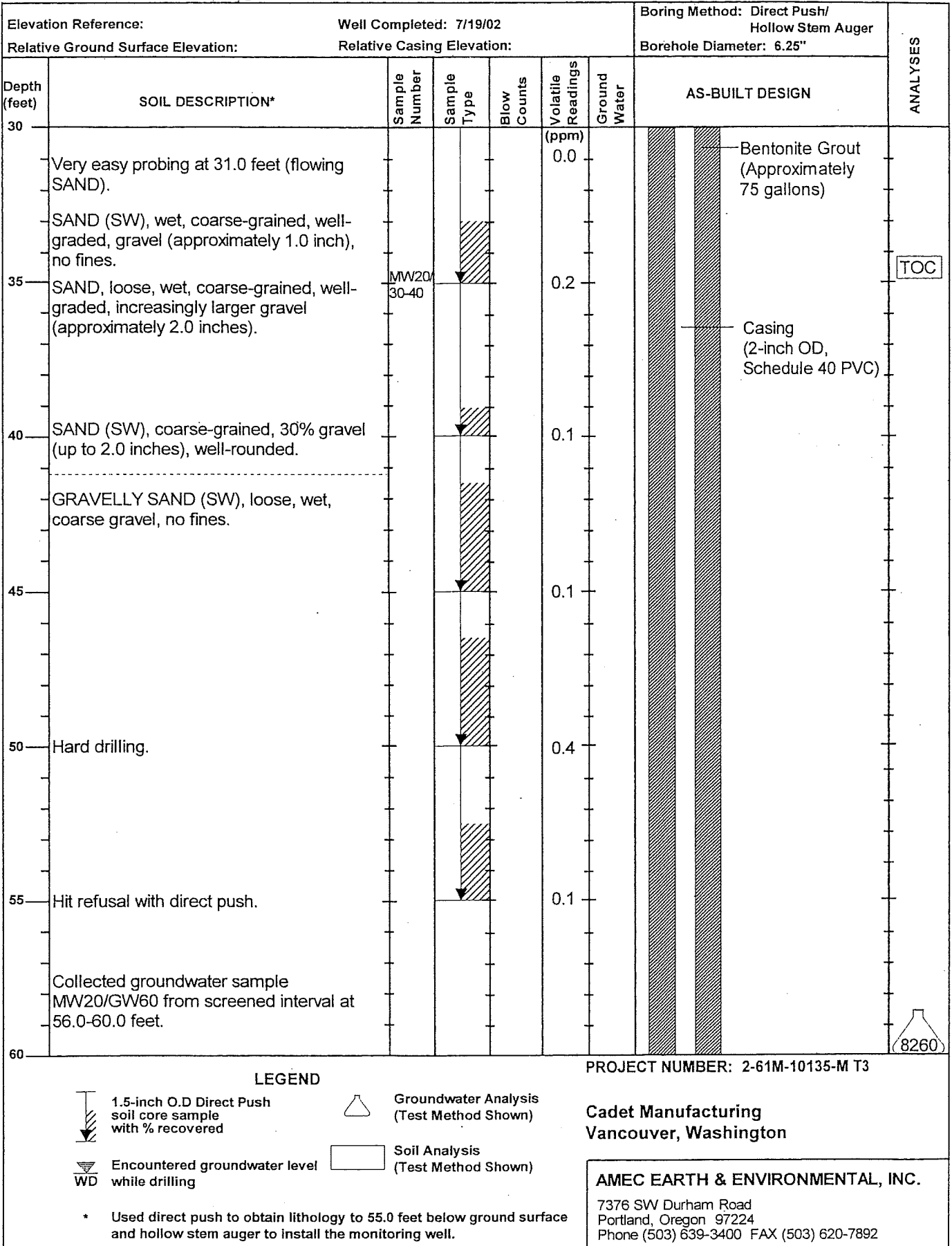
* Used direct push to obtain lithology to 55.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3





Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892



LEGEND

-  1.5-inch O.D Direct Push soil core sample with % recovered
-  Groundwater Analysis (Test Method Shown)
-  Encountered groundwater level while drilling
-  Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 55.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

8260

Elevation Reference: Well Completed: 7/19/02 Boring Method: Direct Push/
 Relative Ground Surface Elevation: Relative Casing Elevation: Hollow Stem Auger
 Borehole Diameter: 6.25"

| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | ANALYSES |
|--------------|--|---------------|-------------|-------------|-------------------------|--------------|-----------------|----------|
| 60 | GRAVELLY SAND. No discrete soil samples collected. Augers advanced with wood plug and no cuttings return. | | | | | | | |
| 65 | Lithology logged based on drilling character. | | | | | | | |
| 70 | SANDY GRAVELS and GRAVELLY SANDS. | | | | | | | |
| 75 | | | | | | | | |
| 80 | | | | | | | | |
| 85 | | | | | | | | |
| 90 | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater level while drilling
- Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 55.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

**Cadet Manufacturing
 Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/19/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION* | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 90 | SANDY GRAVELS. | | | | | | | | |
| 95 | | | | | | | | | |
| 100 | Total depth of well = 100.0 feet below ground surface. | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

LEGEND



1.5-inch O.D Direct Push soil core sample with % recovered



Groundwater Analysis (Test Method Shown)



Encountered groundwater level while drilling



Soil Analysis (Test Method Shown)

* Used direct push to obtain lithology to 55.0 feet below ground surface and hollow stem auger to install the monitoring well.

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/22/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| +5 | Preprobed from 0.0-30.0 feet (no sampling). Used Direct Push to obtain lithology. Used Hollow-Stem Auger to install well. | | | | | | | |
| 0 | RIP-RAP (FILL), with silt, 4.0-6.0 inch diameter. CLAYEY SILT (ML), medium stiff, moist, mottled brown, low plasticity, micaceous. | | | | | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | Harder probing at 19.5 feet. Possible contact into SAND/GRAVELLY SAND (SP). | | | | | | | |
| 25 | | | | | | | | |

LEGEND

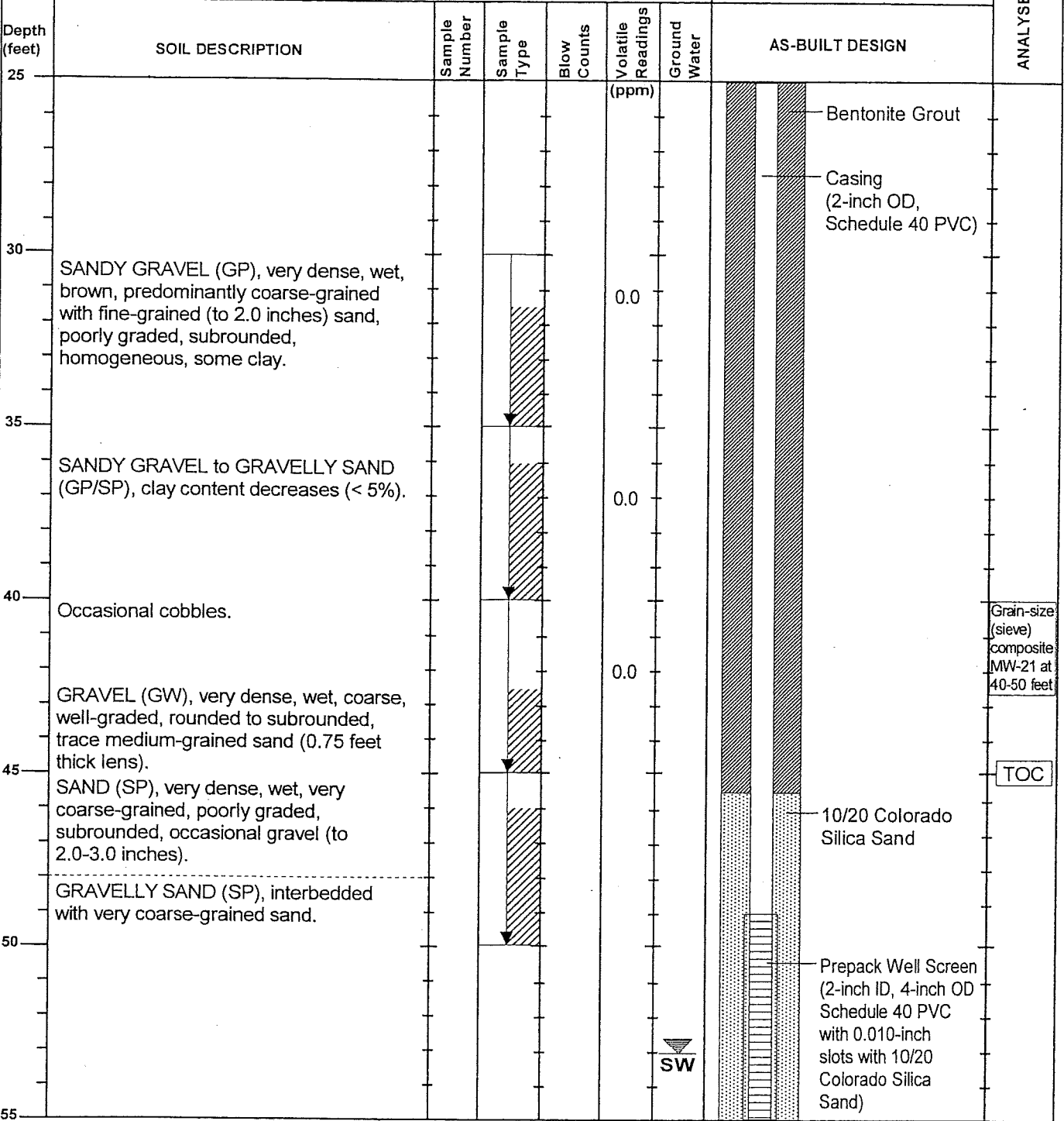
- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Static groundwater level SW on 7/17/02
- Soil Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Elevation Reference: Well Completed: 7/22/02 Boring Method: Direct Push/
 Relative Ground Surface Elevation: Relative Casing Elevation: Hollow Stem Auger
 Borehole Diameter: 6.25"



LEGEND

1.5-inch O.D Direct Push soil core sample with % recovered

Groundwater Analysis (Test Method Shown)

Static groundwater level SW on 7/17/02

Soil Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
 Portland, Oregon 97224
 Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/22/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--------------|--|------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 55 | Increase gravels. | | | | | | | | |
| 60 | Collected direct push groundwater sample at 60.0 feet below ground surface. | | | | | | | 8260 | |
| 65 | Total depth of well = 64.0 feet below ground surface. | | | | | | | 8260 | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |

LEGEND

1.5-inch O.D Direct Push soil core sample with % recovered

Static groundwater level SW on 7/17/02

Groundwater Analysis (Test Method Shown)

Soil Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/23/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| +5 | Preprobed from 0.0-30.0 feet (no sampling). Used Direct Push to obtain lithology. Used Hollow-Stem Auger to install well. | | | | | | | | |
| 0 | SILTY RIP-RAP (FILL), 4.0-6.0 inch diameter. CLAYEY SILT (ML), medium stiff, moist, mottled brown, low plasticity, micaceous. | | | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | Harder probing at 19.5 feet. Possible contact into SAND/GRAVELLY SAND. | | | | | | | | |
| 25 | | | | | | | | | |

LEGEND

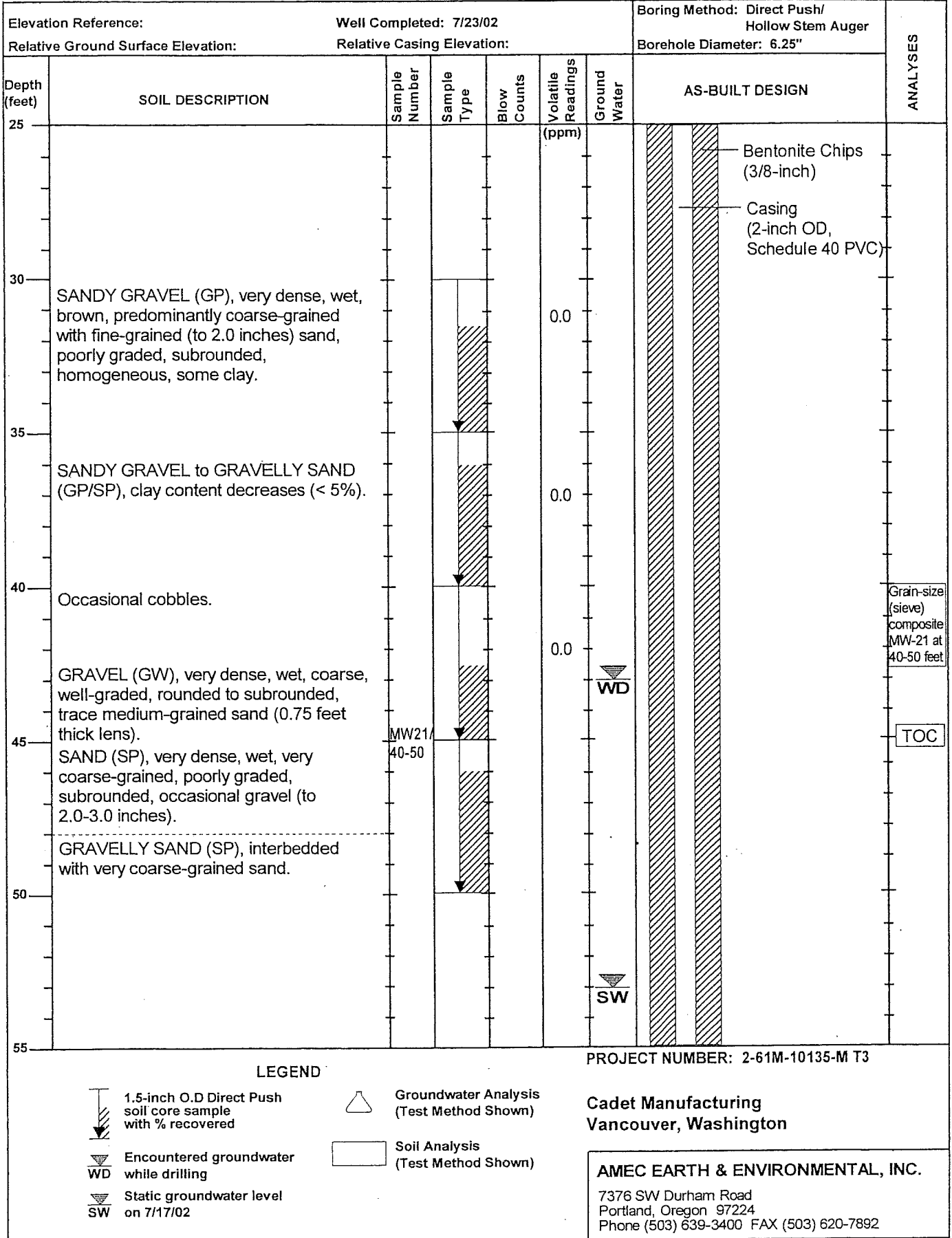
- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/17/02


PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.


7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892





| Elevation Reference: | | Well Completed: 7/23/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|-------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 55 | Increase in gravel size and amount. | | | | | |  <p>Bentonite Grout (Approximately 120 Gallons)</p> <p>Casing (2-inch OD, Schedule 40 PVC)</p> | | |
| 60 | Collected direct push groundwater sample at 60.0 feet below ground surface. No discrete soil samples collected. Augers advanced with wood plug. Lithology logged based on drilling character and limited soil cuttings. | | | | | | | | |
| 65 | Rounded to subrounded basalt, 1.0-inch to 4.0-inch diameter with average approximately 1.0-inch. | | | | | | | | |
| 70 | Interbedded SAND layers. (Easier drilling.) | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |


PROJECT NUMBER: 2-61M-10135-M T3


LEGEND

 1.5-inch O.D Direct Push soil core sample with % recovered

 Groundwater Analysis (Test Method Shown)

 Encountered groundwater WD while drilling

 Soil Analysis (Test Method Shown)

 Static groundwater level SW on 7/17/02






Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.

7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/23/02 | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|---|----------------------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 85 | Drilling character indicates large GRAVELS to COBBLES with interbedded sand layers 1.0 to 1.5 feet thick. | | | | | | Bentonite Grout (Approximately 120 Gallons) | |
| 90 | | | | | | | Casing (2-inch OD, Schedule 40 PVC) | |
| 95 | | | | | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | 20/40 Colorado Silica Sand |
| 110 | | | | | | | NATIVE BACKFILL | |
| 115 | | | | | | | Prepack Well Screen (2-inch ID, 4-inch OD, Schedule 40 PVC with 0.010-inch slots with 20/40 Colorado Silica Sand) | |

LEGEND

-  1.5-inch O.D Direct Push soil core sample with % recovered
-  Encountered groundwater while drilling
-  Static groundwater level on 7/17/02
-  Groundwater Analysis (Test Method Shown)
-  Soil Analysis (Test Method Shown)

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| Elevation Reference: | | Well Completed: 7/23/02 | | | | | Boring Method: Direct Push/ Hollow Stem Auger | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | | Borehole Diameter: 6.25" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 115 | Very dense - hard drilling. | | | | | | | | |
| 120 | | | | | | | | | |
| 125 | Total depth of well = 125.0 feet below ground surface. | | | | | | | | |
| 130 | | | | | | | | | |
| 135 | | | | | | | | | |
| 140 | | | | | | | | | |
| 145 | | | | | | | | | |

LEGEND

- 1.5-inch O.D Direct Push soil core sample with % recovered
- Groundwater Analysis (Test Method Shown)
- Encountered groundwater while drilling
- Soil Analysis (Test Method Shown)
- Static groundwater level on 7/17/02

PROJECT NUMBER: 2-61M-10135-M T3

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT 'N' VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|-----------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (2.0-inch layer) underlain by brown, subrounded SILTY GRAVEL FILL (base course); moist | | | | | | <p>Flush-Mount Steel Monument with Locking Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch, Sodium)</p> |
| | | | Brown SILT, trace fine sand; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Sand content increases to some. | | | | | | |
| 20 | | | Becomes SANDY SILT. | | | | | | |
| | | | Brown, fine to medium SILTY SAND; wet. | | | | | | |
| | | | GRAVEL. No soil cuttings return. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-D-T4.GPJ AMEC PORTLAND JUNE03.GDT 12/5/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**

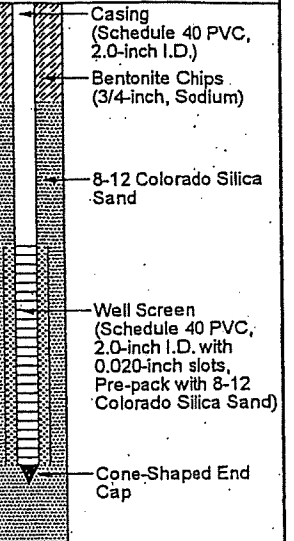
DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797

LOGGED BY: K. Schleh **DRILLING DATES:** 6/10/2003 - 6/10/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.


| | | | |
|--|--|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-D T4</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING MW-22</p> <p>PAGE 1 OF 2</p> |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | |  <p> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/4-inch, Sodium) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-Shaped End Cap </p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Total depth = 42.5 feet below ground surface. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-D T4 GPJ AMEC PORTLAND JUNE03.GDT 125503

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 10.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: Mobile B59 **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R63797
LOGGED BY: K. Schleh **DRILLING DATES:** 6/10/2003 - 6/10/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|---|--|--|---|
| Cadet Manufacturing 3-61M-10135-D T4 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING MW-22 PAGE 2 OF 2 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt. | | | | | | |
| | | | SILTY SAND. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | GRAVEL. | | | | | | |
| 18 | | | COBBLES. | | | | | | |
| 20 | | | GRAVEL grading to GRAVEL with some cobbles at 28.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 6.25 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary/L. Glonek

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT865
DRILLING DATES: 11/7/2003 - 11/7/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|---|--|--|--|
| <p>Cadet Manufacturing 3-61M-10135-G T3</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING MW-23s PAGE 1 OF 2</p> |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | | | | | | | | |
| 35 | | | SAND. | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-G T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 6.25 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary/L. Glonek

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT865
DRILLING DATES: 11/7/2003 - 11/7/2003


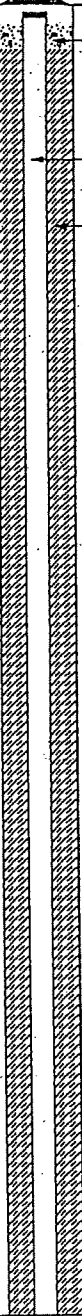
REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MW-23s
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|--------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt | | | | | |  <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/4-inch, 22 Bags)</p> |
| 0 - 15 | | | Brown SILTY SAND to SANDY SILT; dry. | | | | | | |
| 15 - 30 | | | GRAVELLY SAND to large SANDY GRAVEL. | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT885

LOGGED BY: B. Lary **DRILLING DATES:** 11/18/2003 - 11/18/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|--|--|--|--|
| <p>Cadet Manufacturing</p> <p>3-61M-10135-G T3</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> |  | <p>LOG OF BORING MW-23i</p> <p>PAGE 1 OF 4</p> |
|--|--|--|--|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|--------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | | <p>Bentonite Grout (45 Gallons)</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | Interbedded SAND layers. Smoother drilling. | | | | | | |
| 55 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND_JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT885
DRILLING DATES: 11/18/2003 - 11/18/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
 3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MW-23i
 PAGE 2 OF 4

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | GRAVEL to COBBLES. | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT885
DRILLING DATES: 11/18/2003 - 11/18/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

| | | | |
|---|--|--|--|
| Cadet Manufacturing 3-61M-10135-G T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-23i PAGE 3 OF 4 |
|---|--|--|--|


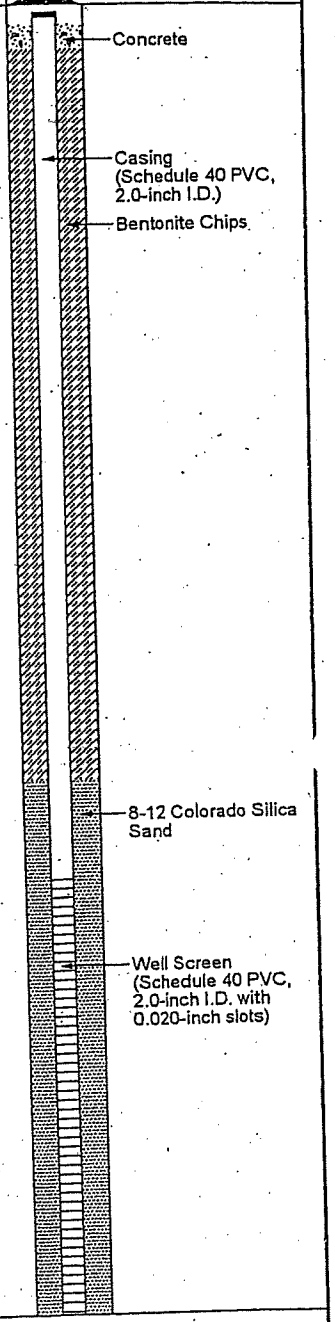
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 90 | | | | | | | | | |
| 95 | | | | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | Total depth = 105.0 feet below ground surface. | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

ENVIR+WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT885
DRILLING DATES: 11/18/2003 - 11/18/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance.

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt | | | | | |  <p>Flush-Mount Monument with Slip Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | GRAVELLY SAND. | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | SANDY GRAVEL. | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 6.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT864

LOGGED BY: B. Lary **DRILLING DATES:** 11/7/2003 - 11/7/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24s
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | | | | | | | <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>Cone-shaped End Cap</p> |
| 35 | | | GRAVEL (less sand). | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND.JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 6.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT864

LOGGED BY: B. Lary **DRILLING DATES:** 11/7/2003 - 11/7/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24s

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt (3/4-inch to 1.0-inch). | | | | | | <p>Flush-Mount Monument with Locking Cap</p> <p>Concrete</p> <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch, 24 Bags)</p> |
| 0 to 18 | | | Brown SANDY SILT to SILTY SAND; dry. | | | | | | |
| 18 to 30 | | | GRAVELLY SAND. | | | | | | |
| 0 to 30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G.T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT875
DRILLING DATES: 11/17/2003 - 11/17/2003

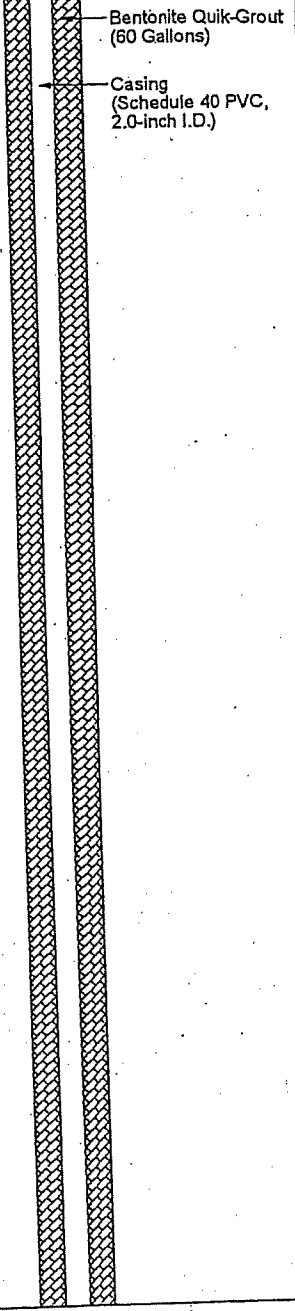
REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24i

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | | | | | | | |  |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | COBBLES. Slightly harder drilling. | | | | | | |
| 60 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION:
CASING ELEVATION:
START CARD/TAG ID: R64579/AHT875
DRILLING DATES: 11/17/2003 - 11/17/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR-WELL BORING REV2 3-61M-10135-G T3 G.PJ AMEC PORTLAND, JUNE03.GDT 12/23/03

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24i

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT 'N' VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|------------------|--------|-----------------------------|---------------------------|-------------|------------------------------------|----------------|
| 60 | | | | | | | | | |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND_JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: Mobile B59 **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT875
LOGGED BY: B. Lary **DRILLING DATES:** 11/17/2003 - 11/17/2003

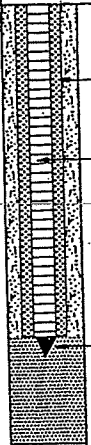
REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24i

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | | | | | | |  <p>Pre-pack with 8-12 Colorado Silica Sand)</p> <p>NATIVE (Sand and Gravel)</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 100 | | | Total depth = 100,0 feet below ground surface. | | | | | | |
| 120 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-G-T3.GPJ AMEC PORTLAND JUNE03.GDT 12/23/03

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: Mobile B59 **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT875

LOGGED BY: B. Lary **DRILLING DATES:** 11/17/2003 - 11/17/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet Manufacturing
3-61M-10135-G T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-24i
PAGE 4 OF 4

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | |
| 0-1 | | | Brown SANDY SILT to SILTY SAND; dry to moist | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | Few gravels (noted by driller). | | | | | | |
| 20 | | | Rough drilling, sounds like GRAVEL. | | | | | | |
| 21.0-23.0 | | | Very GRAVELLY at 21.0-23.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |

ENVR-WELL BORING REV2 4-81M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 3/4/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
 BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION:
 DRILL RIG: CASING ELEVATION:
 CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AHG677
 LOGGED BY: B. Lary DRILLING DATES: 1/21/2004 - 1/21/2004

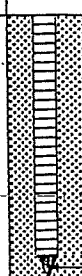
REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-81M-10135-J.T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-25s
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 25 | | | Back into GRAVEL (COBBLES?). | | | | | |  |
| 30 | | | Total depth = 30.0 feet below ground surface. | | | | | Cone-Shaped PVC End Cap | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 3/4/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations/Arturo **START CARD/TAG ID:** R64586/AHG677
LOGGED BY: B. Lary **DRILLING DATES:** 1/21/2004 - 1/21/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
 4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MW-25s
 PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Soft, brown CLAYEY SILT, micaceous, some fine sand; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Concrete |
| 10 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous, some fine to medium sand; moist. | | | | | | Bentonite Chips (Coarse Wyoming 3/4-inch, 6 Bags) |
| 20 | | | | | | | | | 10/20 Colorado Silica Sand (9 Bags) |
| 25 | | GM | Fine, poorly sorted GRAVEL with fines, some coarse sand; wet. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 30 | | | | | | | | | |

PRELIMINARY

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 6/2/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**

DRILL RIG: **CASING ELEVATION:**

CONTRACTOR: Geo-Tech Explorations/Joel **START CARD/TAG ID:** 64952/AKT841

LOGGED BY: J. Hammer, J. Fassio **DRILLING DATES:** 4/29/2004 - 4/29/2004


REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

Cadet - Swan
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-26s**
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | | Total depth = 30.0 feet below ground surface. | | | | | |  End Cap |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

PRELIMINARY

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:**
DRILL RIG: **CASING ELEVATION:**
CONTRACTOR: Geo-Tech Explorations/Joel **START CARD/TAG ID:** 64952/AKT841
LOGGED BY: J. Hammer, J. Fassio **DRILLING DATES:** 4/29/2004 - 4/29/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance.

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 6/2/04

Cadet - Swan
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-26s
PAGE 2 OF 2


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---------------------------------------|
| 0 | | | Grass and rooty topsoil (6.0-inch layer). Medium stiff, brown SILT. | | | | | | Flush-Mount Monument with Locking Cap |
| | | ML | | | | | | | Manifold |
| 5 | | | Borehole cleared for utilities with vac. truck from 0.0-8.0 feet below ground surface. | | | | | | |
| 10 | | SM-ML | Gradational change to soft to medium stiff, light brown, fine to very fine SANDY SILT, micaceous; moist. | | | | | | |
| 20 | | SP | Soft to medium stiff, medium brown, fine to very fine SANDY SILT to SILTY SAND; wet from 18.5-19.5 feet below ground surface. | | | | | | |
| | | ML | Loose, light brown, fine to very fine, poorly graded SAND with trace silt, micaceous; moist to wet. | | | | | | |
| | | SW | Medium stiff, medium brown, slightly plastic CLAYEY SILT; moist to wet. Upper 6.0 inches has some SILTY CLAY matrix then grades into dense, medium gray, coarse to very coarse, well-graded, subangular to rounded GRAVELLY SAND with occasional cobbles (to 4.0-inch diameter); moist. | | | | | | |
| 25 | | | Gravel content decreasing below 26.0 feet below ground surface. | | | | | | |
| | | SP | Medium dense, medium gray, medium, poorly sorted SAND; moist. | | | | | | |
| 30 | | | | | | | | | |

REV 2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04

BORING METHOD: Sonic **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 6.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Boart Longyear Rotasonic **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Bruce **START CARD/TAG ID:** 4267855/ALB920
LOGGED BY: B. Lary **DRILLING DATES:** 9/13/2004 - 9/13/2004

REMARKS:

AMEC 10293

| | | | |
|---------------|---|--|--|
| ENVR-WELL BO. | Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  LOG OF BORING MW-27 USA PAGE 1 OF 5 |
| | | | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SM-GM | Dense to very dense, medium brown, medium to coarse, poorly sorted GRAVELLY SILTY SAND, subrounded gravel (to 3.0-inch diameter); moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips |
| 35 | | SP | Medium dense, light brown, fine, poorly graded SAND, homogeneous; moist. | | | | | | |
| 38 | | SP | Grades to medium to dark gray, medium, poorly graded SAND; moist. | | | | | | |
| 40 | | SP-GP | Dense to very dense, medium gray, medium to coarse SANDY GRAVEL to GRAVELLY SAND, trace silt; moist. | | | | | | |
| 40 | | GW-SW | Grades to dense, medium to dark gray, medium to very coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; wet at 41.0-42.0 feet below ground surface. Approximately 50% GRAVEL and 50% SAND. | | | | | | 10/20 Colorado Silica Sand 8/12 Colorado Silica Sand |
| 45 | | SP | Medium to coarse, poorly graded GRAVELLY SAND with trace cobbles (to 5.0-inch diameter); moist. Gravel content decreasing. | | | | | | Port #3 |
| 50 | | GW | Grades to very dense, medium gray, coarse, well-graded, subrounded to rounded SANDY GRAVEL with occasional cobbles (to 6.0-inch diameter); saturated. | | | | | | 20/40 Colorado Silica Sand |
| 55 | | GP | Gravel content and size decreasing, becoming poorly graded. | | | | | | |
| 60 | | GP | Gravel content and size decreasing, becoming poorly graded. | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 12/10/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 6.0 (in)
DRILL RIG: Boart Longyear Rotasonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267855/ALB920
DRILLING DATES: 9/13/2004 - 9/13/2004

REMARKS:

AMEC 10294

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-27 USA PAGE 2 OF 5 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 60 | | GP | Dense to very dense, medium gray, fine to medium, poorly graded, subrounded to rounded SANDY GRAVEL; saturated. | | | | | | |
| | | SP | Transition to coarse SAND with occasional to some fine to coarse gravel. | | | | | | |
| 65 | | | Dense, medium gray, coarse to very coarse, poorly graded SAND to GRAVELLY SAND with some to trace fine to coarse, subrounded gravel; saturated. | | | | | | |
| 70 | | | Dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) fine to coarse, subrounded gravel (to 3.0-inch diameter). Very open/clean SAND. Groundwater drains through sand and out of core barrel prior to retrieval of sample. | | | | | | |
| 75 | | | Dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) subrounded cobbles (to 5.0-inch diameter) disseminated throughout, fine gravel; saturated. Groundwater drains out of sample during retrieval; very open, porous SAND. | | | | | | |
| 80 | | | Small SANDY SILT pod (4.0-inch to 6.0-inch diameter) at 84.0 feet below ground surface. (Flaser bedding or RIP-UP clast.) | | | | | | |
| 85 | | | Very dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) subrounded cobbles (to 5.0-inch diameter) disseminated throughout, fine gravel; saturated. | | | | | | |
| 90 | | | Very dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) subrounded cobbles (to 5.0-inch diameter) disseminated throughout, fine gravel; saturated. | | | | | | |

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 6.0 (in)
 DRILL RIG: Boart Longyear Rotosonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267855/ALB920
 DRILLING DATES: 9/13/2004 - 9/13/2004

REMARKS:

AMEC 10295

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-27 USA PAGE 3 OF 5 |
|---|--|--|---|

ENVR+WELL BORING REV2 4-61M-10135-U T2 GP J AMEC PORTLAND JUNE03 GDT 12/1/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 90 | | SP | | | | | | | |
| 95 | | | Generated approximately 20 gallons formation water while drilling from 65.0-95.0 feet below ground surface. Coarse GRAVELS and SANDS are open and devoid of fines, so almost all water drains out of core barrel prior to retrieval of sample. Decrease in gravel quantity to approximately 2-5%. | | | | | | 8/12 Colorado Silica Sand |
| 100 | | | Very dense, dark gray, coarse to very coarse, poorly graded SAND with trace gravel and silt; saturated. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 105 | | | | | | | | | |
| | | GW | Medium dense, dark gray, very coarse, well-graded, subrounded to rounded SANDY GRAVEL, trace cobbles; saturated. | | | | | | |
| 110 | | SP | Medium dense, dark gray, coarse to very coarse, poorly graded SAND with some subrounded gravel; saturated. | | | | | | |
| | | SM | Medium dense, brown, fine to medium SILTY SAND with trace medium, subrounded to rounded gravel; saturated. | | | | | | |
| 115 | | SP | Grades to gray brown, medium to coarse GRAVELLY SAND; saturated. | | | | | | |
| | | SP | Grades to gray brown, medium SAND with trace (5%) gravel. | | | | | | |
| 120 | | | | | | | | | |

BORING METHOD: Sonic

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 6.0 (in)

GROUND SURFACE ELEVATION: NA

DRILL RIG: Boart Longyear Rotosonic

CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations/Bruce

START CARD/TAG ID: 4267855/ALB920

LOGGED BY: B. Lary

DRILLING DATES: 9/13/2004 - 9/13/2004

REMARKS:

AMEC 10296

ENVR-WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04

Cadet Manufacturing

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-27 USA**

4-61M-10135-U T2

PAGE 4 OF 5

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|---|-------------|-------------|---|--|---------------------------|---------------------------|---|------------------------------------|----------------|---|
| 120 | | GP | Dense, medium gray, poorly graded, subangular to subrounded COBBLY GRAVEL with trace (15%) sand and silt, cobbles (up to 6.0-inch diameter); saturated. | | | | | | | |
| 125 | | | Sand and silt content increases to approximately 30%, trace clay. | | | | | | | |
| 130 | | GM-GC | Dense, brown COBBLY GRAVEL with some sand, trace silt and clay; saturated. | | | | | | | |
| | | | Total depth = 129.0 feet below ground surface. | | | | | | | |
| 135 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 145 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 6.0 (in) DRILL RIG: Boart Longyear Rotosonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267855/ALB920 DRILLING DATES: 9/13/2004 - 9/13/2004 | | | REMARKS: <div style="text-align: right;">AMEC 10297</div> | | | |
| Cadet Manufacturing 4-61M-10135-U T2 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 638-3400 Fax +1 (503) 620-7892 | | | | | | LOG OF BORING MW-27 USA PAGE 5 OF 5 |

EAVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNED03.GDT 12/1/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SM-GM | Dense to very dense, medium brown, medium to coarse, poorly sorted GRAVELLY SILTY SAND, subrounded gravel (to 3.0-inch diameter); moist. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (Approximately 26 Bags)</p> <p>Aquaguard Bentonite Grout</p> |
| 35 | | SP | Medium dense, light brown, fine, poorly graded SAND, homogeneous; moist. | | | | | | |
| | | SP | Grades to medium to dark gray, medium, poorly graded SAND; moist. | | | | | | |
| 40 | | SP-GP | Dense to very dense, medium gray, medium to coarse SANDY GRAVEL to GRAVELLY SAND, trace silt; moist. | | | | | | |
| | | GW-SW | Grades to dense, medium to dark gray, medium to very coarse, well-graded SANDY GRAVEL to GRAVELLY SAND; wet at 41.0-42.0 feet below ground surface. Approximately 50% GRAVEL and 50% SAND. | | | | ▽ | | |
| 45 | | SP | Medium to coarse, poorly graded GRAVELLY SAND with trace cobbles (to 5.0-inch diameter); moist. Gravel content decreasing. | | | | | | |
| 55 | | GW | Grades to very dense, medium gray, coarse, well-graded, subrounded to rounded SANDY GRAVEL with occasional cobbles (to 6.0-inch diameter); saturated. | | | | | | |
| 60 | | GP | Gravel content and size decreasing, becoming poorly graded. | | | | | | |

ENVR+WELL BORING REVZ 4-61M-10135-U T2 GPJ AMEC PORTLAND JUNE03.GDT 12/1/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267855/ALB919
DRILLING DATES: 8/23/2004 - 8/23/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface.

AMEC 10299

| | | | |
|---|--|--|--|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-27 TGA PAGE 2 OF 8 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 60 | | GP | Dense to very dense, medium gray, fine to medium, poorly graded, subrounded to rounded SANDY GRAVEL; saturated. | | | | | | |
| 65 | | SP | Transition to coarse SAND with occasional to some fine to coarse gravel. Dense, medium gray, coarse to very coarse, poorly graded SAND to GRAVELLY SAND with some to trace fine to coarse, subrounded gravel; saturated. | | | | | | |
| 70 | | | Dense, medium gray, coarse to very coarse, poorly graded SAND to GRAVELLY SAND with some to trace fine to coarse, subrounded gravel; saturated. | | | | | | |
| 75 | | | Dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) fine to coarse, subrounded gravel (to 3.0-inch diameter). Very open/clean SAND. Groundwater drains through sand and out of core barrel prior to retrieval of sample. | | | | | | |
| 80 | | | Small SANDY SILT pod (4.0-inch to 6.0-inch diameter) at 84.0 feet below ground surface. (Flaser bedding or RIP-UP clast). Very dense, medium gray, coarse to very coarse, poorly graded GRAVELLY SAND with trace (< 5%) subrounded cobbles (to 5.0-inch diameter) disseminated throughout, fine gravel; saturated. Groundwater drains out of sample during retrieval; very open, porous SAND. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2 GPJ AMEC PORTLAND JUNE 03 GDT 12/1/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267855/ALB919
DRILLING DATES: 8/23/2004 - 8/23/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface.

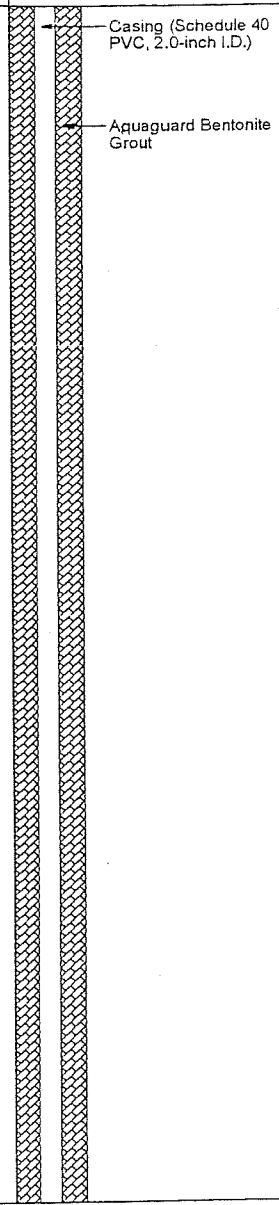

AMEC 10300

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-27 TGA**

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--|---------------------------|---------------------------|---|------------------------------------|--|
| 90 | | SP | | | | | | |  <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Aquaguard Bentonite Grout</p> |
| 95 | | | Generated approximately 20 gallons formation water while drilling from 65.0-95.0 feet below ground surface. Coarse GRAVELS and SANDS are open and devoid of fines, so almost all water drains out of core barrel prior to retrieval of sample. Decrease in gravel quantity to approximately 2-5%. | | | | | | |
| 100 | | | Very dense, dark gray, coarse to very coarse, poorly graded SAND with trace gravel and silt; saturated. | | | | | | |
| 105 | | | | | | | | | |
| | | GW | Medium dense, dark gray, very coarse, well-graded, subrounded to rounded SANDY GRAVEL, trace cobbles; saturated. | | | | | | |
| | | SP | Medium dense, dark gray, coarse to very coarse, poorly graded SAND with some subrounded gravel; saturated. | | | | | | |
| | | SM | Medium dense, brown, fine to medium SILTY SAND with trace medium, subrounded to rounded gravel; saturated. | | | | | | |
| 110 | | | | | | | | | |
| | | SP | Grades to gray brown, medium to coarse GRAVELLY SAND; saturated. | | | | | | |
| | | SP | Grades to gray brown, medium SAND with trace (5%) gravel. | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotosonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: S. Bourcy | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267855/ALB919 DRILLING DATES: 8/23/2004 - 8/23/2004 | | | REMARKS: Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface. | | |
| ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04 Cadet Manufacturing 4-61M-10135-U T2 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  LOG OF BORING MW-27 TGA PAGE 4 OF 8 | | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|------------------------|------------------------|-------------|------------------------------|----------------|
| 120 | | GP | Dense, medium gray, poorly graded, subangular to subrounded COBBLY GRAVEL with trace (15%) sand and silt, cobbles (up to 6.0-inch diameter); saturated. | | | | | | |
| 125 | | | Sand and silt content increases to approximately 30%, trace clay. | | | | | | |
| 130 | | GM-GC | Dense, brown COBBLY GRAVEL with some sand, trace silt and clay; saturated. | | | | | | |
| 135 | | GM-GC | Dense, brown and gray, poorly graded GRAVEL with cobbles and 25% clayey silt and sand matrix; saturated. (Weathered TGA, not cemented) Grades to very dense, gray with brown and tan mottling, poorly graded CLAYEY SILTY GRAVEL with some subrounded to rounded cobbles. Color changes to reddish CLAYEY SILTY GRAVEL. Very dense, gray with brown mottling, poorly graded CLAYEY SILTY GRAVEL with some subrounded to rounded cobbles; moist. | | | | | | |
| 140 | | GM-GC | Grades to weakly cemented TGA with brown, fine SAND coating some gravel and cobbles, evidence of light tan weathering rind on some gravel. | | | | | | |
| 145 | | GM-GC | Very dense, gray, poorly graded CLAYEY SILTY GRAVEL with some subrounded to rounded cobbles, brown sand layers, light tan weathering rind around some gravel. | | | | | | |
| 150 | | GM | Very hard, slow drilling. | | | | | | |
| 155 | | GM | Grades into very dense, light orangish brown, medium, poorly graded SANDY GRAVEL and COBBLES (to 4.0-inch to 5.0-inch diameter) with trace silt and clay, weakly to moderately cemented, friable; moist to wet. (Moderately Cemented TGA) | | | | | | |

TF

ENVR-WELL BORING REV 2 4-61M-10135-U-TZ-GPL AMEC PORTLAND, JUNE 03, GDT 12/1/04

BORING METHOD: Sonic ELEVATION REFERENCE:
 BOREHOLE DIAMETER: 8.0 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Boart Longyear Rotasonic CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Bruce START CARD/TAG ID: 4267855/ALB919
 LOGGED BY: S. Bourcy DRILLING DATES: 8/23/2004 - 8/23/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface.

AMEC 10302

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-27 TGA**

PAGE 5 OF 8

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|--------------------------|---------------------------|-------------|------------------------------------|--|
| 150 | | GM | Approximately 10-20% terrestrial gravel and cobbles consisting of quartzite and diorite. Terrestrial GRAVEL and COBBLES (quartzite) increase to approximately 20-30%. | | | | | | <ul style="list-style-type: none"> — Casing (Schedule 40 PVC, 2.0-inch I.D.) — Aquaguard Bentonite Grout — Bentonite Chips (3/8-inch) — 20/40 Colorado Silica Sand (1 Bag) — 10/20 Colorado Silica Sand (4 Bags) — Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.010-inch slots) — Cone-shaped End Cap |
| 155 | | GM-GC | Clay content increases. Very hard drilling. | | | | | | |
| 160 | | GM-GC | Very dense, gray to orange-brown, coarse GRAVEL and COBBLES with trace to some silt and clay, fine to medium sand, weakly to moderately cemented; wet to saturated. Approximately 50% matrix - 50% subrounded to rounded clasts (to 5.0-inch diameter). (TGA) 30-40% Terrestrial gravel and cobbles (quartzite, granite, granodiorite). | | | | | | |
| 165 | | | Cementation becomes weak, matrix mostly fine sand with some clay and silt, approximately 30-40% thin cementation (sand) on outside of some clasts, 40% exotic quartzite clasts, 60% volcanic origin. | | | | | | |
| 170 | | | Increase in clay/silt content; becomes saturated at 170.0-172.0 feet below ground surface. | | | | | | |
| 175 | | | Less evidence of cementation on gravel. Clay and silt content in matrix increases with some fine sand in nodules; wet. | | | | | | |
| 180 | | | | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267855/ALB919
 DRILLING DATES: 8/23/2004 - 8/23/2004

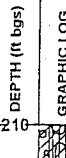

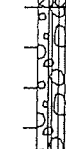

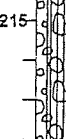
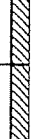
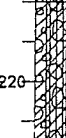

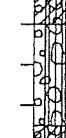



REMARKS:
 Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface.

AMEC 10303

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-27 TGA PAGE 6 OF 8 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--------|--|---------------------------|-------------|------------------------------------|----------------|
| 180 | | GM-GC | | | | | | | |
| 185 | | GM | Water production increases; saturated. Very dense, gray, fine 60% to coarse 40%, well-graded, rounded to subangular GRAVEL with some sand and silt, < 2% cobbles, 30% exotic clasts (quartzite, granite, chert), 70% volcanics, some gravel layers with silt, clay, and fine sand matrix; saturated. General decrease in fines. | | | | | | |
| 190 | | GC | Very dense, gray and reddish gray, fine to coarse, well-graded, rounded to subangular SILTY GRAVEL with some clay and fine to medium sand and trace cobbles; wet. Gravel is matrix supported, 25-30% sand, 30-35% clay/silt, 45% gravel. Increase in percentage of clasts with cementation coating to 50-60% at 193.0-195.0 feet below ground surface. | | | | | | |
| 195 | | | Very hard drilling. | | | | | | |
| | | GM | Very dense, gray, fine to coarse, well-graded, rounded to subrounded GRAVEL with some sand and trace silt and clay, clast supported, 15% silt/clay, 20% sand, 65% gravel. | | | | | | |
| | | GM-GC | Very dense, mottled gray and yellowish gray, fine to coarse, well-graded, rounded to subrounded SILTY GRAVEL with some fine sand and clay, trace cobbles; wet. GRAVEL is matrix supported, 30% silt/clay, 15-20% sand, 50-55% gravel, decrease in percentage of clasts with cement coating to approximately 5-10%, 10-15% of clasts of exotic origin, 85% volcanics. | | | | | | |
| | | SW | Very dense, gray, fine to medium, well-graded GRAVELLY SAND, 25-30% gravel, 70-75% sand; wet. | | | | | | |
| | | GM | Very dense, gray, rounded to subrounded GRAVEL with some silt and sand, trace clay; saturated. | | | | | | |
| | | GM-GC | Very dense, dark gray mottled with reddish brown, fine to coarse, rounded to subrounded SILTY GRAVEL with some fine sand and clay; wet. Gravel is matrix supported, 50% gravel, 25% silt/clay, 25% fine sand. | | | | | | |
| 210 | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotosonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: S. Bourcy | | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267855/ALB919 DRILLING DATES: 8/23/2004 - 8/23/2004 | | | | |
| | | | | | REMARKS: Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface. | | | | |
| | | | | | AMEC 10304 | | | | |
| Cadet Manufacturing 4-61M-10135-U T2 | | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | |
| | | | | | | | | | |
| | | | | | LOG OF BORING MW-27 TGA | | | | |
| | | | | | PAGE 7 OF 8 | | | | |

ENVR+WELL_BORING_REV2_4-61M-10135-U-T2.GPJ_AMEC PORTLAND_JUNE03.GDT_12/1/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|--|-------------|---|--|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 210 |  | GM | More clasts coated with sand cement from 208.0-211.0 feet below ground surface. Very dense, gray, rounded to subrounded GRAVEL with some fine to coarse sand and silt, 70-75% gravel, 25-30% sand and silt; saturated. |  | | | | | |
| 215 |  | GM- GC | 40-45% exotic clasts (chert, granite, quartzite), 55-60% volcanics (basalt) from 208.0-216.0 feet below ground surface. Very dense, gray with reddish brown mottles, fine to coarse, rounded to subrounded SILTY GRAVEL with some fine sand and clay, matrix supported; wet. |  | | | | | |
| 220 |  | GM | Very dense, gray, fine to coarse, subangular to rounded GRAVEL with some sand and silt; saturated. |  | | | | | |
| 225 |  | GM- GC | Very dense, gray mottled with yellowish brown, subrounded to rounded SILTY GRAVEL with some clay, trace sand; wet to saturated. Becomes wet to moist. |  | | | | | |
| 230 |  | | Some fine sand in discontinuous nodules and irregular layers with silt/clay matrix, < 5% clasts with cementation, 45% clast of exotic origin (metamorphic, granite, quartzite), 55% Cascade-like volcanics (basalt). |  | | | | | |
| 235 |  | | Total depth = 240.0 feet below ground surface. |  | | | | | |
| 240 | | | | | | | | | |

REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNED3.GDT 12/1/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: S. Bourcy

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267855/ALB919
DRILLING DATES: 8/23/2004 - 8/23/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-156.0 feet, then drilled with 6.0-inch casing from 156.0-240.0 feet below ground surface.

AMEC 10305

ENVR+WELL_BOI

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-27 TGA**

PAGE 8 OF 8

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt. | | | | | | |
| 0-1 | | ML | Air knife - no sample. | | | | | | |
| 1-17 | | | Loose, light brown SILT with some sand; dry. | | | | | | |
| 17-18 | | | Slightly more sand, micaceous. | | | | | | |
| 18-21 | | SM | Grades to soft/loose, brown SANDY SILT to SILTY SAND, micaceous; moist. | | | | | | |
| 21-24 | | | Loose, brown, fine SILTY SAND, micaceous; moist. | | | | | | |
| 24-26 | | SW | Loose, dark brown, well-graded SAND with trace silt and fine gravel; moist. | | | | | | |
| 26-30 | | | Trace larger gravel and less silt. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: J. Hammer

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267876/ALB922
 DRILLING DATES: 10/5/2004 - 10/5/2004

REMARKS:

AMEC 10306

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-28 USA**

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SW | No silt. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (38 Bags)</p> <p>10/20 Colorado Silica Sand (1 Bag)</p> <p>8/12 Colorado Silica Sand (2 Bags)</p> <p>Port #3</p> <p>20/40 Colorado Silica Sand (17 Bags)</p> |
| 35 | | SP | Loose, brown, medium, poorly graded SAND, micaceous; saturated. | | | | | | |
| 35 | | SP | Loose, dark brown to black, medium SAND with some fine and coarse gravel; saturated. | | | | | | |
| | | | Cobble (approximately 4.0-inch diameter). | | | | | | |
| | | | Trace silt. | | | | | | |
| 40 | | | Loose, dark brown to gray, medium, poorly graded SAND with some rounded to subrounded gravel (average 1.0-inch diameter); wet. | | | | | | |
| | | | Fewer gravel. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | SW | Loose, dark brown to gray, well-graded GRAVELLY SAND, subrounded to rounded gravel; wet. | | | | | | |
| 50 | | GW | Loose, dark gray, subrounded to subangular, well-graded SANDY GRAVEL; wet. | | | | | | |
| 55 | | GP | Loose, dark gray, medium to coarse, subrounded to rounded GRAVEL with trace sand and cobbles; wet. | | | | | | |
| 60 | | | | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/29/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotasonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: J. Hammer

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267876/ALB922
DRILLING DATES: 10/5/2004 - 10/5/2004

REMARKS:

AMEC 10307

| | | | |
|---|--|--|--|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-28 USA PAGE 2 OF 6 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--|------------------------|------------------------|---|------------------------------|--|
| 60 | | GP | Loose, dark gray, medium to coarse, subrounded to rounded, poorly graded GRAVEL with trace sand and cobbles; wet. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand (17 Bags)</p> |
| 65 | | SP | Loose, brown, fine SAND; saturated. | | | | | | |
| | | SP | Loose, dark brown, medium SAND; saturated. | | | | | | |
| 70 | | | Grades to medium to coarse SAND with trace fine gravel; saturated. | | | | | | |
| 75 | | | Grades to loose, dark brown, coarse, poorly graded SAND with some gravel and large cobbles (4.0-inch plus diameter), trace silt; saturated. | | | | | | |
| 80 | | | Loose, dark brown, coarse SAND with some gravel and trace silt; saturated. | | | | | | |
| | | GP | Grades to loose, dark brown, fine GRAVEL with trace cobbles and silt; saturated. | | | | | | |
| 85 | | SP | Grades to loose, dark brown, medium SAND; saturated. | | | | | | |
| | | GP | Grades to loose, dark brown, fine SANDY GRAVEL, trace silt; saturated. | | | | | | |
| 90 | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotasonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267876/ALB922 DRILLING DATES: 10/5/2004 - 10/5/2004 | | | REMARKS: <div style="text-align: right;">AMEC 10308</div> | | |

ENVIR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-28 USA

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 90 | | GW | Grades to loose, dark brown, subrounded to rounded, well-graded GRAVEL; saturated. | | | | | | |
| 95 | | GP | Loose, dark brown, medium, poorly graded GRAVEL; wet. | | | | | | |
| 100 | | GW | Loose, dark brown to gray, well-graded GRAVEL with trace silt, cobbles; wet. | | | | | | |
| 105 | | | Loose to medium dense, dark brown, well-graded GRAVEL with trace cobbles; wet. | | | | | | |
| 110 | | GP | Grades to medium dense, dark brown, fine GRAVEL with trace larger gravel (1.0-inch to 2.0-inch diameter), sand; wet. | | | | | | |
| 115 | | SP | Loose to medium dense, dark brown, coarse GRAVELLY SAND with trace subangular to subrounded gravel (1.0-inch to 2.0-inch diameter); wet. | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotosonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: J. Hammer

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267876/ALB922
 DRILLING DATES: 10/5/2004 - 10/5/2004

REMARKS:

AMEC 10309

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-28 USA PAGE 4 OF 6 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--|--------------------------|---------------------------|---|------------------------------------|---|
| 120 | | SP | Loose to medium dense, dark brown, coarse GRAVELLY SAND with trace gravel (1.0-inch to 2.0-inch diameter); wet. Increase in larger gravel (1.0-inch to 2.0-inch diameter). Grades to medium dense, dark brown SANDY GRAVEL to GRAVELLY SAND with some gravel (1.0-inch to 2.0-inch diameter) and trace cobbles (3.0-inch plus diameter); wet. | | | | | | <ul style="list-style-type: none"> Port #2 8/12 Colorado Silica Sand (1 Bag) 20/40 Colorado Silica Sand (19 Bags) Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 125 | | | | | | | | | |
| 130 | | | | SILT pod (approximately 2.0 inches thick). | | | | | |
| 135 | | SP | Dense, brown, medium SAND with some subrounded to rounded gravel (1.0-inch to 3.0-inch diameter); wet. Large granite boulder (4.0-inch diameter), weathered with some clay. | | | | | | |
| 140 | | GW | Dense, dark brown, subrounded to rounded SANDY GRAVEL with trace silt; wet. Trace clay. Medium dense, brown, medium SAND; wet. | | | | | | |
| 145 | | SW | Grades to dense, brown, fine to medium SAND, micaceous, trace angular to subangular gravel (1.0-inch to 2.0-inch diameter); wet. Smaller and fewer gravel. GRAVEL (2.5-inch diameter) with cemented sand and gravel matrix. | | | | | | |
| 150 | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotasonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267876/ALB922 DRILLING DATES: 10/5/2004 - 10/5/2004 | | | REMARKS: | | |
| Cadet Manufacturing 4-61M-10135-U T2 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | |
| | | | | | | | AMEC 10310 LOG OF BORING MW-28 USA PAGE 5 OF 6 | | |

ENVIR-MELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03 GDT 11/29/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|---|
| 150 | | SW | Slight increase in gravel (1.0-inch to 2.0-inch diameter). | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand (19 Bags)</p> <p>10/20 Colorado Silica Sand (1 Bag)</p> <p>Port #1</p> |
| | | SP | Igneous COBBLE (6.0-inch diameter). Medium dense, brown, fine to medium SAND, micaceous, trace silt, no gravel; moist to wet. | | | | | | |
| 155 | | | | | | | | | |
| 160 | | | Medium dense, brown, fine SAND, micaceous; moist to wet. | | | | | | |
| 165 | | | | | | | | | |
| 170 | | | | | | | | | |
| 175 | | | | | | | | | |
| 180 | | | Total depth = 180.0 feet below ground surface. | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotasonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267876/ALB922 DRILLING DATES: 10/5/2004 - 10/5/2004 | | | REMARKS: <p style="text-align: right;">AMEC 10311</p> | | |
| Cadet Manufacturing 4-61M-10135-U T2 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | <p style="text-align: center;">LOG OF BORING MW-28 USA</p> <p style="text-align: right;">PAGE 6 OF 6</p> | | |

E:\VR+WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| | | ML | Air knife - no sample. | | | | | | Concrete |
| 5 | | | Loose, light brown SILT with some sand; dry. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 10 | | | | | | | | | Bentonite Chips |
| 15 | | | Slightly more sand, micaceous. | | | | | | |
| | | SM | Grades to soft/loose, brown SANDY SILT to SILTY SAND, micaceous; moist. | | | | | | |
| 20 | | | Loose, brown, fine SILTY SAND, micaceous; moist. | | | | | | |
| | | SW | Loose, dark brown, well-graded SAND with trace silt and fine gravel; moist. | | | | | | |
| 25 | | | Trace larger gravel and less silt. | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotosonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267875/ALB921
 DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10312

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MW-28 TGA
 PAGE 1 OF 8

12' into TGA

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SW | No silt. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips Bentonite Grout (Approximately 31 Bags)</p> |
| 35 | | SP | Loose, brown, medium, poorly graded SAND, micaceous; saturated. | | | | | | |
| | | SP | Loose, dark brown to black, medium SAND with some fine and coarse gravel; saturated. Cobble (approximately 4.0-inch diameter). Trace silt. | | | | | | |
| 40 | | | Loose, dark brown to gray, medium, poorly graded SAND with some rounded to subrounded gravel (average 1.0-inch diameter); wet. Fewer gravel. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | SW | Loose, dark brown to gray, well-graded GRAVELLY SAND, subrounded to rounded gravel; wet. | | | | | | |
| 55 | | GW | Loose, dark gray, subrounded to subangular, well-graded SANDY GRAVEL; wet. | | | | | | |
| 60 | | GP | Loose, dark gray, medium to coarse, subrounded to rounded GRAVEL with trace sand and cobbles; wet. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2 GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotasonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267875/ALB921
DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10313

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-28 TGA**

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 | | GP | Loose, dark gray, medium to coarse, subrounded to rounded, poorly graded GRAVEL with trace sand and cobbles; wet. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 31 Bags)</p> |
| 65 | | SP | Loose, brown, fine SAND; saturated. | | | | | | |
| 68 | | SP | Loose, dark brown, medium SAND; saturated. | | | | | | |
| 70 | | | Grades to medium to coarse SAND with trace fine gravel; saturated. | | | | | | |
| 75 | | | Grades to loose, dark brown, coarse, poorly graded SAND with some gravel and large cobbles (4.0-inch plus diameter), trace silt; saturated. | | | | | | |
| 80 | | | Loose, dark brown, coarse SAND with some gravel and trace silt; saturated. | | | | | | |
| 85 | | GP | Grades to loose, dark brown, fine GRAVEL with trace cobbles and silt; saturated. | | | | | | |
| 88 | | SP | Grades to loose, dark brown, medium SAND; saturated. | | | | | | |
| 90 | | GP | Grades to loose, dark brown, fine SANDY GRAVEL, trace silt; saturated. | | | | | | |
| 90 | | | | | | | | | |

ENVR*WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNED03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267875/ALB921
 DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10314

| | | | |
|---|--|--|--|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-28 TGA PAGE 3 OF 8 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 90 | | GW | Grades to loose, dark brown, subrounded to rounded, well-graded GRAVEL; saturated. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 31 Bags)</p> |
| 95 | | GP | Loose, dark brown, medium, poorly graded GRAVEL; wet. | | | | | | |
| | | GW | Loose, dark brown to gray, well-graded GRAVEL with trace silt, cobbles; wet. | | | | | | |
| 100 | | | Loose to medium dense, dark brown, well-graded GRAVEL with trace cobbles; wet. | | | | | | |
| 105 | | | Less cobbles. | | | | | | |
| 110 | | GP | Grades to medium dense, dark brown, fine GRAVEL with trace larger gravel (1.0-inch to 2.0-inch diameter), sand; wet. | | | | | | |
| 115 | | SP | Loose to medium dense, dark brown, coarse GRAVELLY SAND with trace subangular to subrounded gravel (1.0-inch to 2.0-inch diameter); wet. | | | | | | |
| 120 | BORING METHOD: Sonic | | ELEVATION REFERENCE: | | | | | | |
| | BOREHOLE DIAMETER: 8.0 (in) | | GROUND SURFACE ELEVATION: NA | | | | | | REMARKS: Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface. |
| | DRILL RIG: Boart Longyear Rotosonic | | CASING ELEVATION: NA | | | | | | |
| | CONTRACTOR: Geo-Tech Explorations/Bruce | | START CARD/TAG ID: 4267875/ALB921 | | | | | | |
| | LOGGED BY: B. Lary | | DRILLING DATES: 9/24/2004 - 9/29/2004 | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-28 TGA**

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 120 | | SP | Loose to medium dense, dark brown, coarse GRAVELLY SAND with trace gravel (1.0-inch to 2.0-inch diameter); wet. Increase in larger gravel (1.0-inch to 2.0-inch diameter). Grades to medium dense, dark brown SANDY GRAVEL to GRAVELLY SAND with some gravel (1.0-inch to 2.0-inch diameter) and trace cobbles (3.0-inch plus diameter); wet. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 31 Bags)</p> |
| 125 | | | | | | | | | |
| 130 | | | | | | | | | |
| 135 | | SP | Dense, brown, medium SAND with some subrounded to rounded gravel (1.0-inch to 3.0-inch diameter); wet. Large granite boulder (4.0-inch diameter), weathered with some clay. | | | | | | |
| 135 | | GW | Dense, dark brown, subrounded to rounded SANDY GRAVEL with trace silt; wet. Trace clay. | | | | | | |
| 140 | | | Medium dense, brown, medium SAND; wet. | | | | | | |
| 145 | | SW | Grades to dense, brown, fine to medium SAND, micaceous, trace angular to subangular gravel (1.0-inch to 2.0-inch diameter); wet. Smaller and fewer gravel. GRAVEL (2.5-inch diameter) with cemented sand and gravel matrix. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotasonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267875/ALB921
DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10316

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-28 TGA**

PAGE 5 OF 8

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 150 | | SW | Slight increase in gravel (1.0-inch to 2.0-inch diameter). | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 31 Bags)</p> |
| | | SP | Igneous COBBLE (6.0-inch diameter). Medium dense, brown, fine to medium SAND, micaceous, trace silt, no gravel; moist to wet. | | | | | | |
| 155 | | | Medium dense, brown, fine SAND, micaceous; moist to wet. | | | | | | |
| 160 | | | Medium dense, brown, fine SAND, micaceous; moist to wet. | | | | | | |
| 165 | | | | | | | | | |
| 170 | | | | | | | | | |
| 175 | | | | | | | | | |
| 180 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2 GPFJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267875/ALB921
 DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10317

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-28 TGA**

PAGE 6 OF 8

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 180 | | SP | Grades to dense, dark brown, medium SAND, micaceous; moist to wet. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 31 Bags)</p> <p>Bentonite Chips (1.66 Bags)</p> <p>20/40 Colorado Silica Sand (1 Bag)</p> <p>10/20 Colorado Silica Sand (5 Bags)</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.010-inch slots)</p> |
| 185 | | | | | | | | | |
| 190 | | GM | Very dense, gray-brown, medium, subrounded to subangular SILTY SANDY GRAVEL with trace clay and cobbles, moderately cemented; saturated. | | | | | | |
| 190 | | GC | Grades to very dense, dark gray, rounded to subrounded SANDY CLAYEY GRAVEL with trace cobbles, brown sand lenses, weakly to moderately cemented; wet. | | | | | | |
| 195 | | | | | | | | | |
| 200 | | SP-GW | Dense, brown and gray, fine to medium GRAVELLY SAND to subrounded, well-graded SANDY GRAVEL with trace cobbles and clay, sandy supporting the gravel; wet. | | | | | | |
| 205 | | | Slightly silty. | | | | | | |
| 210 | | | | | | | | | |

TF

ENVIR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotosonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA 33.58
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267875/ALB921
 DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10318

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-28 TGA**

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 210 | | SP-GW | Increased silt and clay content. | | | | | | |
| 215 | | | Total depth = 215.0 feet below ground surface. | | | | | | |
| 220 | | | | | | | | | |
| 225 | | | | | | | | | |
| 230 | | | | | | | | | |
| 235 | | | | | | | | | |
| 240 | | | | | | | | | |

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267875/ALB921
 DRILLING DATES: 9/24/2004 - 9/29/2004

REMARKS:


Drilled with 8.0-inch casing from 0.0-190.0 feet, then drilled with 6.0-inch casing from 190.0-215.0 feet below ground surface.

AMEC 10319

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-28 TGA PAGE 8 OF 8 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | | |
|---|-------------|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|---|------------|--|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument (18.0-inch) with Locking Cap | | |
| | | ML | Air knife - no sample. | | | | | | Manifold | | |
| | | | | | | | | | Concrete | | |
| 5 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) | | |
| | | | Brown, fine SANDY SILT, micaceous; dry. | | | | | | Bentonite Chips (3/8-inch 9 Bags) | | |
| 10 | | | | | | | | | | | |
| | | | Trace clay; moist. | | | | | | | | |
| 15 | | | | | | | | | | | |
| | | GW SP | Dark brown, subrounded SANDY GRAVEL (up to 3.0-inch diameter), trace silt; moist. | | | | | | | | |
| | | | Dark brown, coarse GRAVELLY SAND, subrounded to rounded gravel, no silt, trace cobbles; moist. | | | | | | | | |
| 20 | | SW | | | | | | | | | |
| | | | Grades to dark brown, well-graded GRAVELLY SAND, subrounded to subangular gravel, trace cobbles; moist to dry. | | | | | | | | |
| 25 | | | | | | | | | | | |
| | | | Grades to coarse to medium SAND; slightly moist at 23.5 feet below ground surface. | | | | | | | | |
| 30 | | | | | | | | | | | |
| | | | Grades to fine with medium to coarse, well-graded GRAVELLY SAND. | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotasonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267885/ALB924 DRILLING DATES: 10/13/2004 - 10/13/2004 | | | | REMARKS: | | AMEC 10320 | |

ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND.JUNED3.GDT 12/7/04

| | | | |
|---|--|---|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING MW-29 USA PAGE 1 OF 5 |
|---|--|---|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|---|---------------------------|---------------------------|--|------------------------------------|--|
| 30 | | SW | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch 9 Bags)</p> <p>10/20 Colorado Silica Sand</p> <p>8/12 Colorado Silica Sand</p> |
| | | GW | Dark brown, subangular to subrounded, well-graded SANDY GRAVEL (up to 4.0-inch diameter), some cobbles; moist. | | | | | | |
| 35 | | | | | | | | | |
| | | SW | Dark brown GRAVELLY SAND, subangular to subrounded gravel; moist. | | | | | | |
| 40 | | GW | Dark brown, subrounded to subangular, well-graded SANDY GRAVEL with trace cobbles; moist. | | | | | | |
| | | | Slightly sandier from 43.0-43.5 feet below ground surface. | | | | | | |
| 45 | | | Sand grades from coarse to medium and fine. | | | | | | |
| | | | | | | | | | |
| 50 | | | Dark brown, coarse, subrounded SANDY GRAVEL with trace cobbles; wet. | | | | | | |
| | | GM | Loose, dark brown, subrounded SILTY SANDY GRAVEL with trace cobbles; saturated. | | | | | | |
| 55 | | GW | Cobble (6.0-inch diameter) caught in drill bit. Loose, dark brown, coarse, subrounded to rounded SANDY GRAVEL with trace cobbles; saturated. | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Boart Longyear Rotosonic CONTRACTOR: Geo-Tech Explorations/Bruce LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 4267885/ALB924 DRILLING DATES: 10/13/2004 - 10/13/2004 | | | REMARKS: <div style="text-align: right; font-weight: bold; font-size: 1.2em;">AMEC 10321</div> | | |
| Cadet Manufacturing 4-61M-10135-U T2 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | <div style="text-align: right; font-weight: bold;">LOG OF BORING MW-29 USA</div> <div style="text-align: right; font-size: 0.8em;">PAGE 2 OF 5</div> | | |

ENVR-1WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 12/7/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 | | GW | Loose, dark brown, subrounded SANDY GRAVEL with trace cobbles and silt; saturated. | | | | | | <ul style="list-style-type: none"> Port #3 8/12 Colorado Silica Sand 20/40 Colorado Silica Sand Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 65 | | SP | Grades to loose, coarse SAND with some subrounded gravel (approximately 2.0-inch diameter); saturated. Some silt pods. | | | | | | |
| 70 | | GP- SP | Grades to loose, poorly graded, fine SANDY GRAVEL to coarse GRAVELLY SAND, trace cobbles (2%); saturated. | | | | | | |
| 75 | | | Increase in percentage of cobbles (15%) and large gravel. With trace silt. | | | | | | |
| 80 | | | Loose, dark gray to brown GRAVELLY SAND to rounded to subrounded SANDY GRAVEL with trace silt and cobbles; saturated. | | | | | | |
| 85 | | | Little to no silt. | | | | | | |
| 90 | | | | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND.JUNE03.GDT 12/7/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE: NA
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267885/ALB924
DRILLING DATES: 10/13/2004 - 10/13/2004

REMARKS:

AMEC 10322

| | | | |
|---|--|--|--|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-29 USA PAGE 3 OF 5 |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 90 | | GW-SW | Loose, dark gray, subangular to subrounded, well-graded SANDY GRAVEL to GRAVELLY SAND, trace silt, no cobbles; saturated. | | | | | | |
| 95 | | | | | | | | | |
| 100 | | | Loose, dark gray-brown, subangular to subrounded SANDY GRAVEL to GRAVELLY SAND; saturated. | | | | | | |
| 105 | | GW | Grades to loose, dark gray-brown, subrounded, well-graded SANDY GRAVEL; saturated. | | | | | | |
| 110 | | | | | | | | | |
| 115 | | GP | Grades to loose, dark gray, coarse, rounded to subrounded, poorly graded COBBLY GRAVEL with trace sand; saturated. | | | | | | |
| 120 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 127704

| | |
|---|---|
| BORING METHOD: Sonic | ELEVATION REFERENCE: NA |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: NA |
| DRILL RIG: Boart Longyear Rotosonic | CASING ELEVATION: NA |
| CONTRACTOR: Geo-Tech Explorations/Bruce | START CARD/TAG ID: 4267885/ALB924 |
| LOGGED BY: B. Lary | DRILLING DATES: 10/13/2004 - 10/13/2004 |

REMARKS:

AMEC 10323

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-29 USA PAGE 4 OF 5 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 120 | | GW | Loose, dark gray, subrounded to rounded, well-graded SANDY GRAVEL; saturated. | | | | | | |
| | | GP | Loose, dark gray, coarse, subrounded to rounded COBBLY GRAVEL; saturated. | | | | | | |
| 125 | | GP | Loose, dark gray, subrounded to rounded, poorly graded SANDY GRAVEL with some cobbles; saturated. | | | | | | |
| 130 | | | Less sand. | | | | | | |
| 135 | | | Reduced gravel size, more sand and fewer cobbles. | | | | | | |
| 140 | | GW | Dense, brown and dark gray, medium, rounded, well-graded SANDY GRAVEL, weakly cemented; wet. Total depth = 140.5 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNED03.GDT 12/7/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotosonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE: NA
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267885/ALB924
 DRILLING DATES: 10/13/2004 - 10/13/2004

REMARKS:

AMEC 10324

| | | | |
|---|--|--|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MW-29 USA PAGE 5 OF 5 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-1 | | ML | Air knife - no sample. | | | | | | Concrete |
| 1-14 | | | Brown, fine SANDY SILT, micaceous; dry. Trace clay; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 14-16 | | GW SP | Dark brown, subrounded SANDY GRAVEL (up to 3.0-inch diameter), trace silt; moist. | | | | | | Bentonite Chips (3/8-inch, 36 Bags) |
| 16-20 | | | Dark brown, coarse GRAVELLY SAND, subrounded to rounded gravel, no silt, trace cobbles; moist. | | | | | | |
| 20-23.5 | | SW | Grades to dark brown, well-graded GRAVELLY SAND, subrounded to subangular gravel, trace cobbles; moist to dry. | | | | | | |
| 23.5-25 | | | Grades to coarse to medium SAND; slightly moist at 23.5 feet below ground surface. | | | | | | |
| 25-30 | | | Grades to fine with medium to coarse, well-graded GRAVELLY SAND. | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U T2 GPJ AMEC PORTLAND JUNE03 GDT 11/23/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267885/ALB923
DRILLING DATES: 10/6/2004 - 10/6/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10325

Cadet Manufacturing
4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MW-29 TGA**

PAGE 1 OF 6

10' into TGA

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | SW | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout</p> |
| 35 | | GW | Dark brown, subangular to subrounded, well-graded SANDY GRAVEL (up to 4.0-inch diameter), some cobbles; moist. | | | | | | |
| 40 | | SW | Dark brown GRAVELLY SAND, subangular to subrounded gravel; moist. | | | | | | |
| 45 | | GW | Dark brown, subrounded to subangular, well-graded SANDY GRAVEL with trace cobbles; moist. | | | | | | |
| | | | Slightly sandier from 43.0-43.5 feet below ground surface. | | | | | | |
| | | | Sand grades from coarse to medium and fine. | | | | | | |
| 50 | | | Dark brown, coarse, subrounded SANDY GRAVEL with trace cobbles; wet. | | | | ▽ | | |
| 55 | | GM | Loose, dark brown, subrounded SILTY SANDY GRAVEL with trace cobbles; saturated. | | | | | | |
| | | | Cobble (6.0-inch diameter) caught in drill bit. | | | | | | |
| | | GW | Loose, dark brown, coarse, subrounded to rounded SANDY GRAVEL with trace cobbles; saturated. | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U T2 GPJ AMEC PORTLAND JUNE03 GDT 11/23/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267885/ALB923
DRILLING DATES: 10/6/2004 - 10/6/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10326

| | | | |
|---|--|--|--|
| <p>Cadet Manufacturing 4-61M-10135-U T2</p> | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p> | | <p>LOG OF BORING MW-29 TGA PAGE 2 OF 6</p> |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 60 | | GW | Loose, dark brown, subrounded SANDY GRAVEL with trace cobbles and silt; saturated. | | | | | | |
| 65 | | SP | Grades to loose, coarse SAND with some subrounded gravel (approximately 2.0-inch diameter); saturated. Some silt pods. | | | | | | |
| 70 | | GP- SP | Grades to loose, poorly graded, fine SANDY GRAVEL to coarse GRAVELLY SAND, trace cobbles (2%); saturated. Increase in percentage of cobbles (15%) and large gravel. With trace silt. | | | | | | |
| 80 | | | Loose, dark gray to brown GRAVELLY SAND to rounded to subrounded SANDY GRAVEL with trace silt and cobbles; saturated. | | | | | | |
| 85 | | | Little to no silt. | | | | | | |
| 90 | | | | | | | | | |

ENVR+WELL_BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic ELEVATION REFERENCE:
BOREHOLE DIAMETER: 8.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: Boart Longyear Rotosonic CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Bruce START CARD/TAG ID: 4267885/ALB923
LOGGED BY: B. Lary DRILLING DATES: 10/6/2004 - 10/6/2004

REMARKS:
Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10327

Cadet Manufacturing

4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MW-29 TGA

PAGE 3 OF 6

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 90 | | GW-SW | Loose, dark gray, subangular to subrounded, well-graded SANDY GRAVEL to GRAVELLY SAND, trace silt, no cobbles; saturated. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout</p> |
| 95 | | | | | | | | | |
| 100 | | | Loose, dark gray-brown, subangular to subrounded SANDY GRAVEL to GRAVELLY SAND; saturated. | | | | | | |
| 105 | | GW | Grades to loose, dark gray-brown, subrounded, well-graded SANDY GRAVEL; saturated. | | | | | | |
| 110 | | | | | | | | | |
| 115 | | GP | Grades to loose, dark gray, coarse, rounded to subrounded, poorly graded COBBLY GRAVEL with trace sand; saturated. | | | | | | |
| 120 | | | | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND, JUNE03.GDT 11/23/04

BORING METHOD: Sonic **ELEVATION REFERENCE:**

BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:** NA

DRILL RIG: Boart Longyear Rotasonic **CASING ELEVATION:** NA

CONTRACTOR: Geo-Tech Explorations/Bruce **START CARD/TAG ID:** 4267885/ALB923

LOGGED BY: B. Lary **DRILLING DATES:** 10/6/2004 - 10/6/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10328

Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-29 TGA**

PAGE 4 OF 6

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 120 | | GW | Loose, dark gray, subrounded to rounded, well-graded SANDY GRAVEL; saturated. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| | | GP | Loose, dark gray, coarse, subrounded to rounded COBBLY GRAVEL; saturated. | | | | | | Bentonite Grout |
| 125 | | GP | Loose, dark gray, subrounded to rounded, poorly graded SANDY GRAVEL with some cobbles; saturated. | | | | | | |
| 130 | | | Less sand. | | | | | | |
| 135 | | | Reduced gravel size, more sand and fewer cobbles. | | | | | | |
| 140 | | GW | Dense, brown and dark gray, medium, rounded, well-graded SANDY GRAVEL, weakly cemented; wet. | | | | | | Casing STOP-DRILL @ 140' |
| 145 | | | Trace clay. Very hard drilling. Slight increase in clay, weakly to moderately cemented; wet to saturated. | | | | | | Bentonite Chips (1 Bag) 10/20 Colorado Silica Sand (5.5 Bags) |
| 150 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUN03.GDT 11/23/04

BORING METHOD: Sonic
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG: Boart Longyear Rotosonic
CONTRACTOR: Geo-Tech Explorations/Bruce
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 4267885/ALB923
DRILLING DATES: 10/6/2004 - 10/6/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10329



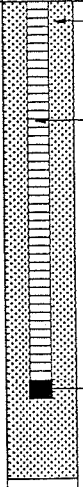
Cadet Manufacturing
 4-61M-10135-U T2

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



**LOG OF BORING
 MW-29 TGA**

PAGE 5 OF 6

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|--|
| 150 |  | GW | |  | | | | |  <ul style="list-style-type: none"> 10/20 Colorado Silica Sand (5.5 Bags) Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.010-inch slots) End Cap |
| 155 | | | Increase in clay content, weathering rinds observed. | | | | | | |
| | | | Brown, medium SAND rind around larger gravel, clayey matrix. Only larger gravel show evidence of cementation. | | | | | | |
| 160 | | | Increase in clay content and less sand. | | | | | | |
| | | | Cobble (4.0-inch plus diameter). | | | | | | |
| | | | Total depth = 164.0 feet below ground surface. | | | | | | |
| 165 | | | | | | | | | |
| 170 | | | | | | | | | |
| 175 | | | | | | | | | |
| 180 | | | | | | | | | |


ENVR+WELL BORING REV2 4-61M-10135-U-T2.GPJ AMEC PORTLAND JUNE03.GDT 11/23/04

BORING METHOD: Sonic
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG: Boart Longyear Rotasonic
 CONTRACTOR: Geo-Tech Explorations/Bruce
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 4267885/ALB923
 DRILLING DATES: 10/6/2004 - 10/6/2004

REMARKS:
 Drilled with 8.0-inch casing from 0.0-140.0 feet, then drilled with 6.0-inch casing from 140.0-160.0 feet below ground surface.

AMEC 10330

| | | | |
|---|--|---|---|
| Cadet Manufacturing 4-61M-10135-U T2 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING MW-29 TGA PAGE 6 OF 6 |
|---|--|---|---|

| Elevation Reference: | | Well Completed: 8/17/00 | | Boring Method: Geoprobe | | ANALYSES | |
|------------------------------------|--|----------------------------|-------------|--|------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 1.5-inch layer of asphalt pavement underlain by base course gravel FILL to 6.0 inches; 2.0-inch layer of asphalt underlain by gravel FILL to 2.5 feet. | | | | | | |
| 5 | Softer probing at 6.0 feet (SILT). | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 22.0 | Harder probing at 22.0 feet (Sandy GRAVEL). | | | | | | |
| 25 | Dense, wet, brown, coarse-grained, well to moderately graded, gravelly SAND (15% gravel to 1.0-inch diameter). | DPW1@ 24-28" | | | 23 | | |
| | Lithology logged by probing character. | | | | | | |
| | TD = 28.4 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00

Drilling Completed: 8/17/00

Logged By: S. Kohrs

110135\DPW1.DRW

AMEC 039568

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 1.5-inch layer of asphalt pavement underlain by base course gravel FILL. | | | | | | | |
| 0-6 | Dense, damp, brown, micaceous SILT to 6.0 feet (on auger flights). | | | | | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | Harder probing at 20.5 feet (SAND and GRAVEL or probing compaction due to no sampling). | | | | | | | |
| 25 | | | | | | | | |
| 28.4 | Lithology logged by probing character. TD = 28.4 feet. | | | | | | | |

LEGEND

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/17/00

Drilling Completed: 8/17/00

Logged By: S. Kohrs

110135DPW2.DRW

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL; Another layer of asphalt pavement underlain by base course gravel FILL to 1.5 feet. | | | | | | | |
| 5 | Dense, damp, brown, micaceous SILT to 6.0 feet (on auger flights). | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | WD | | |
| 22.0 | Harder probing at 22.0 feet (SAND and GRAVEL or probing compaction due to no sampling). | | | | | | | |
| 25 | | | | | | | | |
| | Lithology logged by probing character. | | | | | | | |
| | TD = 28.4 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

Encountered groundwater level
 while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/17/00

Drilling Completed: 8/17/00

Logged By: S. Kohrs

110135DPW3.DRW

AMEC 035606

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 2.0-inch layer of asphalt pavement underlain by 4.0-inch layer of base course gravel FILL to 6.0 inches; 2.0-inch layer of asphalt underlain by gravel FILL to 2.0 feet. | | | | | | | |
| 5 | Dense, damp, brown, micaceous SILT with trace very fine-grained sand (on auger flights). | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | WD | | |
| 25 | Dense, wet, brown, coarse-grained, well-graded, gravelly SAND (15%-20% gravel to 1.5-inch diameter). | | | | 102 | | | |
| | Lithology logged by probing character. | DPW4@ 24-28' | | | | | | |
| | TD = 28.4 feet. | | | | | | | |
| 30 | | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00

Drilling Completed: 8/17/00


Logged By: S. Kohrs


10135DPW4.DRW

AMEC 035607

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 1.5-inch layer of asphalt pavement underlain by base course gravel FILL. | | | | | | Flush Mounted Monument | |
| | Loose, damp, brown, micaceous SILT with trace very fine-grained sand to 6.0 feet (on auger flights). | | | | | | Concrete Surface Seal | |
| | | | | | | | Locking Cap | |
| 5 | | | | | | | Bentonite Chips | |
| | | | | | | | Casing (0.75-inch ID, Schedule 40 PVC) | |
| | | | | | | | Borehole Diameter 4.0-inch | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | WD | 10-20 Colorado Silica Sand | |
| | | | | | | | Screen (0.75-inch ID - 1.0-inch Schedule 40 PVC prepacked screen with 10-20 silica sand with 0.010-inch slots; outer screen is stainless steel mesh) | |
| 25 | Dense, wet, brown, very coarse-grained, well to moderately graded, gravelly SAND (15%-20% gravel to 1.5-inch diameter). Lithology logged by probing character. | DPW5@ 24-28" | | | 9.7 | | PVC End Cap | |
| | TD = 28.4 feet. | | | | | | Borehole Diameter 2.125-inch | |
| 30 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00


Drilling Completed: 8/17/00


Logged By: S. Kohrs

10135DPW5.DRW

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|------------------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL. | | | | | | Flush Mounted Monument | |
| | Dense, damp, brown SILT to 6.0 feet (on auger flights). | | | | | | Concrete Surface Seal | |
| 5 | | | | | | | Locking Cap | |
| | | | | | | | Bentonite Chips | |
| | | | | | | | Casing (0.75-inch ID, Schedule 40 PVC) | |
| 10 | | | | | | | Borehole Diameter 4.0-inch | |
| 15 | | | | | | | | |
| 20 | | | | | | WD | 10-20 Colorado Silica Sand | |
| | Harder probing at 22.0 feet (SAND and GRAVEL). | | | | | | Screen (0.75-inch ID - 1.0-inch Schedule 40 PVC prepacked screen with 10-20 silica sand with 0.010-inch slots; outer screen is stainless steel mesh) | |
| 25 | Dense, wet, brown, coarse- to very coarse-grained, well to moderately graded, gravelly SAND (15% gravel to 1.0-inch diameter). | | | | | | | |
| | Lithology logged by probing character. | | | | | | | |
| | TD = 28.4 feet. | | | | | | PVC End Cap | |
| 30 | | | | | | | Borehole Diameter 2.125-inch | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/17/00

Drilling Completed: 8/17/00

Logged By: S. Kohrs

110135\DPW6.DRW

| Elevation Reference: | | Well Completed: 8/17/00 | | Boring Method: Geoprobe | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|--|--------------------------|--------------|-----------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL to 1.0 foot; another 2.0-inch layer of asphalt pavement underlain by base course gravel FILL to 2.0 feet. | | | | | | |
| 5 | Dense, damp, brown, micaceous SILT (on auger flights). | | | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | WD | |
| 22.0 | Harder probing at 22.0 feet (SAND and GRAVEL). | | | | | | |
| 25 | Dense, wet, brown. | | | | | | |
| 28.4 | Lithology logged by probing character. | DPW7@ 24-28' | | | | | |
| 30 | TD = 28.4 feet. | | | | 40 | | |

LEGEND

- 2.0-Inch O.D. Geoprobe soil core sample with % recovered
- Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00

Drilling Completed: 8/17/00

Logged By: S. Kohrs

10135DPW7.DRW

AMEC 03561

| Elevation Reference: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|-------------------------|--|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL to 6.0 inches; another 2.0-inch layer of asphalt pavement underlain by base course gravel FILL to 2.0 feet. | | | | | | | |
| 5 | Dense, damp, brown SILT to 6.0 feet (on auger flights). | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |
| 22.0 | Harder probing at 22.0 feet (SAND and GRAVEL). | | | | | | | |
| 25 | Dense, wet, brown, coarse-grained, well to moderately graded, gravelly SAND (15-20% gravel to 1.0-inch diameter). | | | | | | | |
| 28.4 | Lithology logged by probing character. | DPW8@ 24-28" | | | | 2.5 | | |
| 30 | TD = 28.4 feet. | | | | | | | |

LEGEND

2.0-inch O.D. Geoprobe soil core sample with % recovered

Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00


Drilling Completed: 8/17/00



Logged By: S. Kohrs

10135DPW8.DRW

| Elevation References: | | Well Completed: 8/17/00 | | | | Boring Method: Geoprobe | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|-------------|--------------------------|--|--|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 1.5-inch layer of asphalt pavement underlain by base course gravel FILL. | | | | | | Flush Mounted Monument | |
| | Dense, damp, brown SILT to 6.0 feet (on auger flights). | | | | | | Concrete Surface Seal | |
| | | | | | | | Locking Cap | |
| | | | | | | | Bentonite Chips | |
| 5 | | | | | | | Casing (0.75-inch ID, Schedule 40 PVC) | |
| | | | | | | | Borehole Diameter 4.0-inch | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | | WD | 10-20 Colorado Silica Sand | |
| | Harder probing at 21.0 feet (SAND and GRAVEL). | | | | | | Screen (0.75-inch ID - 1.0-inch Schedule 40 PVC prepacked screen with 10-20 silica sand with 0.010-inch slots; outer screen is stainless steel mesh) | |
| 25 | Dense, wet, brown, coarse- to medium-grained, well-graded, gravelly SAND (15% gravel at 24.0-26.0 feet, 10% gravel at 26.0-28.0 feet, 1.0-inch to 1.5-inch diameter). Lithology logged by probing character. | DPW-9 24-28' | | | | | PVC End Cap | |
| | TD = 28.4 feet. | | | | | | Borehole Diameter 2.125-inch | |
| 30 | | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level
 while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/17/00


Drilling Completed: 8/17/00


Logged By: S. Kohrs

10135DPW9.DRW

| Elevation Reference: | | Well Completed: 8/17/00 | | Boring Method: Geoprobe | | ANALYSES | |
|------------------------------------|---|----------------------------|-------------|--|-------------------------|--------------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 4.0" (0-6 feet) 2.125" (6-28.4 feet) | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 2.0-inch layer of asphalt pavement underlain by base course gravel FILL to 6.0 inches; another 2.0-inch layer of asphalt pavement underlain by base course gravel FILL. | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap |
| 5 | Dense, damp to dry, brown SILT to 6.0 feet (on auger flights). | | | | | | Bentonite Chips Casing (0.75-inch ID, Schedule 40 PVC) Borehole Diameter 4.0-inch |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | | |
| 22.0 | Harder probing at 22.0 feet (SAND and GRAVEL). | | | | | | 10-20 Colorado Silica Sand Screen (0.75-inch ID - 1.0-inch Schedule 40 PVC prepacked screen with 10-20 silica sand with 0.010-inch slots; outer screen is stainless steel mesh) |
| 25 | Dense, wet, brown, very coarse-grained, well-graded, gravelly SAND (20% gravel to 1.0-inch diameter). | DPW10 @ 24-28' | | | | 1.7 | |
| | Lithology logged by probing character. | | | | | | PVC End Cap Borehole Diameter 2.125-inch |
| | TD = 28.4 feet. | | | | | | |
| 30 | | | | | | | |

LEGEND

 2.0-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-2 T2B

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 8/16/00

Drilling Completed: 8/17/00


Logged By: S. Kohrs

10135DPW10.DRW

AMEC 035613


| Elevation Reference: NA | | Well Completed: NA | | Boring Method: Rotohammer/Geoprobe | | ANALYSES | |
|---------------------------------------|--|-------------------------------|-----------|------------------------------------|------------------------|--------------|---|
| Relative Ground Surface Elevation: NA | | Relative Casing Elevation: NA | | Borehole Diameter (in.): 1.5 | | | |
| Depth (feet) | SOIL DESCRIPTION | Tedlar Bag PID Reading (ppm) | Sample ID | Sample Type | Volatle Readings (ppm) | Ground Water | AS-BUILT DESIGN |
| 0 | 3.5-inch layer of concrete. | | | | | | Concrete Cap |
| 5 | Dry, orangish brown, silty, micaceous SAND. | | C4/ 4-6 | | 12 | | Hole was backfilled with bentonite chips which were hydrated after placement. |
| 10 | Collected vapor sample in tedlar bag. | 500 | C4/ 8-10 | | 148 | | HVOCs |
| 15 | Grades to damp. | | C4/ 12-14 | | 61 | | |
| 20 | Damp, brown, silty SAND grading to medium-grained SAND. | | C4/ 16-18 | | 13 | WD | |
| 20 | Collected groundwater sample C4/GW-18-22 from screened interval at 18.0-22.0 feet. | | | | | | |
| 22 | Total depth = 22.0 feet. | | | | | | |

LEGEND

 1.5-inch O.D. Geoprobe soil core sample with % recovered

 Encountered groundwater level

WD while drilling

 Groundwater Analysis (HVOCs by 8260)

 Soil Analysis (HVOCs:by 8260)

PROJECT NUMBER: 0-61M-10135-1

Cadet Manufacturing
Vancouver, Washington

AGRA EARTH & ENVIRONMENTAL, INC.

7477 SW Tech Center Drive
Portland, Oregon 97223-8025
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 6/9/00

Drilling Completed: 8/9/00

Logged By: L. Woxell

W0135C4.DRW

AMEC 035570

| Elevation Reference: | | Well Completed: 3/16/01 | | | | Boring Method: Direct Push | | ANALYSES | |
|------------------------------------|-------------------------------|----------------------------|-------------|-------------|--------------------------|----------------------------|-----------------|----------|--|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 2.0" | | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | | |
| 0 | No soil/groundwater sampling. | | | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| Total Depth = 28.0 feet. | | | | | | | | | |

LEGEND

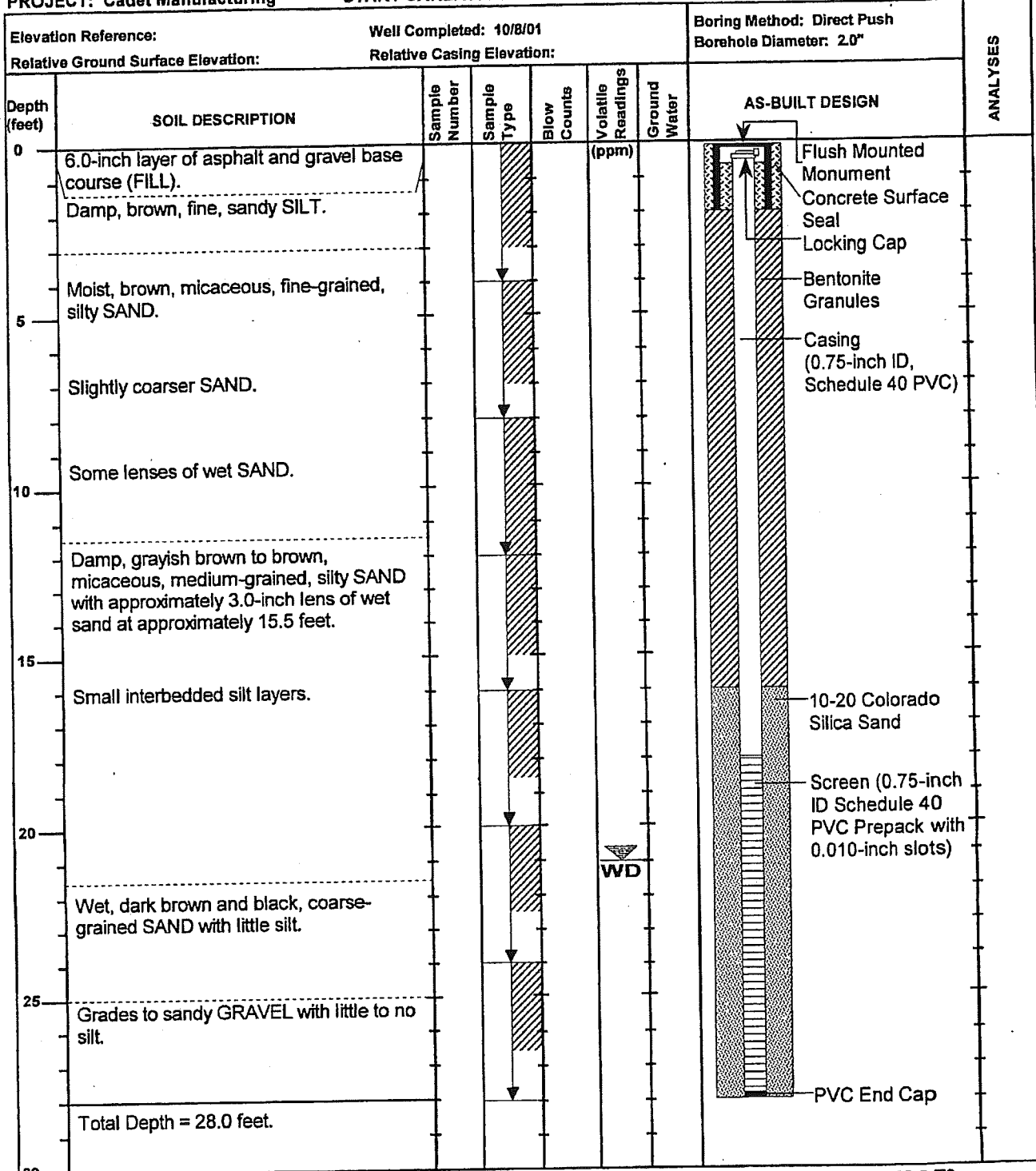
PROJECT NUMBER: 0-61M-10135-5 T4

**Cadet Manufacturing
Vancouver, Washington**

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 3/16/01 Drilling Completed: 3/16/01 Logged By: K. Finucane 110135DPW11.DRW

| | | | |
|---------|---|--------------------------|--------|
| Well ID | 2 | Ground Surface Elevation | (Ft) |
| | 3 | Top of Casing Elevation | (Ft) |
| | 4 | Screen Interval | (Ft) |
| | 5 | Slot Size | (Slot) |
| | 6 | Well Diameter | (in) |
| | 7 | Pumping Diameter | (in) |
| | 8 | Date Completed | |
| | 9 | Total Depth | (Ft) |



LEGEND

2.0-inch O.D. Direct Push soil core sample with % recovered

Encountered groundwater level while drilling

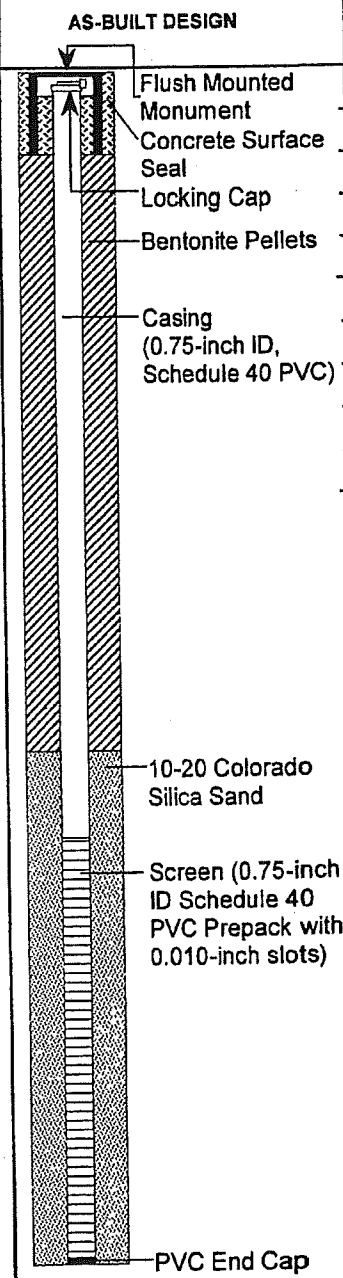
PROJECT NUMBER: 0-61M-10135-5 T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/08/01 Drilling Completed: 10/8/01 Logged By: B. Lary V10135DPW12.DRW

| Elevation Reference: | | Well Completed: 10/8/01 | | Boring Method: Direct Push | | ANALYSES |
|------------------------------------|---|----------------------------|-------------|----------------------------|--------------------------|--------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 2.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water |
| 0 | 6.0-inch layer of asphalt and gravel base course (FILL). Damp to moist, brown, micaceous, fine sandy SILT. | | | | | |
| 5 | Damp, brown, micaceous, fine-grained, silty SAND. | | | | | |
| 10 | Moist, brown, interbedded fine-grained SAND and SILT. | | | | | |
| 15 | Moist, brown, micaceous, fine- to medium-grained SAND with little silt. | | | | | |
| 20 | Damp, gray-brown, medium-grained SAND with little silt. | | | | | |
| 25 | Wet, gray-brown, medium-grained SAND. | | | | | |
| | Grades to coarse-grained SAND and some gravel, no silt. | | | | | |
| | Wet, dark brown and black, coarse-grained SAND and GRAVEL (up to 1.0-inch plus). | | | | | |
| | Total Depth = 28.0 feet. | | | | | |
| 30 | | | | | | |



LEGEND

- 2.0-inch O.D. Direct Push soil core sample with % recovered
- Encountered groundwater level while drilling

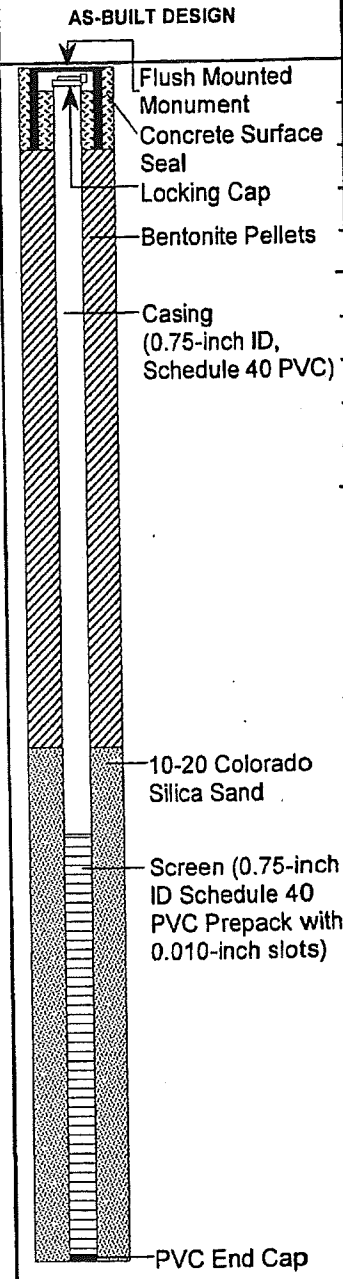
PROJECT NUMBER: 0-61M-10135-5 T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7477 SW Tech Center Drive
Portland, Oregon 97223
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/08/01 Drilling Completed: 10/8/01 Logged By: B. Lary 110135DPW13.DRW

| Elevation Reference: | | Well Completed: 10/8/01 | | Boring Method: Direct Push | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|----------------------------|-------------------------|--------------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | Borehole Diameter: 2.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatile Readings (ppm) | Ground Water |
| 0 | 6.0-inch layer of asphalt and gravel base course (FILL). Damp, brown, micaceous, fine, sandy SILT. | | | | | |
| 5 | Damp to moist, brown, micaceous, fine-grained, silty SAND. | | | | | |
| 10 | Interbedded silt layers. Dry to damp, brown, micaceous, fine-grained SAND with some silt. | | | | | |
| 15 | Interbedded SILT layers. | | | | | |
| 20 | Damp, gray-brown, medium-grained SAND with little silt. Wet, dark brown and black, coarse-grained SAND. | | | | | |
| 25 | Grades to wet, dark brown and black, coarse, sandy GRAVEL (up to 1.0-inch plus). | | | | | |
| Total Depth = 28.0 feet. | | | | | | |
| 30 | | | | | | |



LEGEND

 2.0-inch O.D. Direct Push soil core sample with % recovered

PROJECT NUMBER: 0-61M-10135-5 T2

Cadet Manufacturing
 Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/08/01



Drilling Completed: 10/8/01

Logged By: B. Lary

110135DPW14.DRW

| Elevation Reference: | | Well Completed: 10/8/01 | | | | Boring Method: Direct Push | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|----------------------------|---|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 2.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | 8.0-inch to 10.0-inch layer of asphalt and gravel base course (FILL). Damp, brown, micaceous, fine, sandy SILT. | | | | | | Flush Mounted Monument Concrete Surface Seal Locking Cap Bentonite Pellets | |
| 5 | Dry, brown, micaceous, fine-grained SAND with some silt. | | | | | | Casing (0.75-inch ID, Schedule 40 PVC) | |
| 10 | Dry, gray-brown, micaceous, fine-grained SAND with some silt. | | | | | | | |
| 15 | Dry, gray-brown, micaceous, medium-grained SAND with little silt. | | | | | | 10-20 Colorado Silica Sand | |
| 20 | Wet, interbedded fine-grained SAND layers. Wet, dark brown and black, coarse-grained SAND. Some gravel. | | | | | WD | Screen (0.75-inch ID Schedule 40 PVC Prepack with 0.010-inch slots) | |
| 25 | Wet, dark brown and black, coarse, sandy GRAVEL. | | | | | | PVC End Cap | |
| Total Depth = 28.0 feet. | | | | | | | | |

LEGEND

 2.0-inch O.D. Direct Push soil core sample with % recovered
 Encountered groundwater level while drilling

PROJECT NUMBER: 0-61M-10135-5 T2
Cadet Manufacturing
Vancouver, Washington
AMEC EARTH & ENVIRONMENTAL, INC.
 7477 SW Tech Center Drive
 Portland, Oregon 97223
 Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 10/08/01

Drilling Completed: 10/8/01

Logged By: B. Lary

110135IDPW15.DRW

| Elevation Reference: | | Well Completed: 4/22/02 | | | | Boring Method: Direct Push | | ANALYSES |
|------------------------------------|--|----------------------------|-------------|-------------|--------------------------|----------------------------|-----------------|----------|
| Relative Ground Surface Elevation: | | Relative Casing Elevation: | | | | Borehole Diameter: 3.0" | | |
| Depth (feet) | SOIL DESCRIPTION | Sample Number | Sample Type | Blow Counts | Volatiles Readings (ppm) | Ground Water | AS-BUILT DESIGN | |
| 0 | Asphalt over base course gravel (FILL). | | | | | | | |
| | SAND to SANDY SILT, dry, brown, silty, micaceous, fine-grained. | | | | | | | |
| 5 | SAND, damp, gray-brown, silty, fine-grained. | | | | | | | |
| 10 | SAND, damp, gray-brown, micaceous, fine-grained, interbedded with silt layers. | | | | | | | |
| 15 | SAND, damp to moist, brown to gray, fine- to medium-grained, silt layers. | | | | | | | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |
| 30 | Total Depth = 27.5 feet. Originally drilled and tried to install at 60.0 feet but heaving SANDS would not allow installation. | | | | | | | |

LEGEND

PROJECT NUMBER: 1-61M-10135-L T2

Cadet Manufacturing
Vancouver, Washington

AMEC EARTH & ENVIRONMENTAL, INC.
7376 SW Durham Road
Portland, Oregon 97224
Phone (503) 639-3400 FAX (503) 620-7892

Drilling Started: 4/22/02

Drilling Completed: 4/22/02

Logged By: B. Lary

10135DPW16.DRW



SOIL BORING LOG

| | | | | | |
|---|--|--|--|--|------------------------------|
| PROJECT NAME Cadet - POV Investigation | | | | PROJECT NO. 5-61M-10135-7 | BORING NO. POV-11 |
| AEE FIELD REPRESENTATIVE J. Fassio | | | | CLEV. 132' | DEPTH. 1 |
| DRILLING CONTRACTOR Prosonic | | | | DATE BEGUN 6-14-05 | DATE COMPLETED 1 7 |
| EQUIPMENT USED Sonic Drilling X² borehole 1 8" casing | | | | WEATHER Partly cloudy on 6-14-05 | |
| SAMPLE NUMBER, C - CRAB, S - SPLIT-SPOON, T - SHELBY TUBE 0-8" AT SURFACE, Clear on 6-15-05 | | | | SOIL DESCRIPTION 6" casing 0-70" | |

| SPLIT-SPOON DIA | SAMPLE NUMBER | BLOW COUNT | DEPTH (SAMPLES) RECOVERY | GROUNDWATER | DEPTH (FEET) | SOIL DESCRIPTION |
|-----------------|---------------|------------|--------------------------|-------------|--------------|--|
| | | | | | 0 | 3" Asphalt |
| | | | | | 1 | 2" Concrete |
| | | | | | 2 | Dense, well graded, medium to sandy gravel with cobble; moist sand matrix is medium to coarse gravel. Gravel is subrounded to rounded (SW) |
| | | | | | 3 | |
| | | | | | 4 | |
| | | | | | 5 | |
| | | | | | 6 | |
| | | | | | 7 | |
| | | | | | 8 | |
| | | | | | 9 | |
| | | | | | 10 | |
| | | | | | 11 | |
| | | | | | 12 | medium dense, well graded coarse SAND with some gravel (SW) |
| | | | | | 13 | |
| | | | | | 14 | Dense, poorly graded, gravel with some coarse SAND; moist 85-90% gravel 10-15% coarse SAND. sub rounded gravel (G-P) |
| | | | | | 15 | |
| | | | | | 16 | |
| | | | | | 17 | |
| | | | | | 18 | |
| | | | | | 19 | |
| | | | | | 20 | |

NA

8-12'

70%

TR fine sand and silt

TR Cobbles

COMMENTS

Note: used air knife to check for utilities from 0-8"
 No utilities encountered.



Earth & Environmental

SOIL BORING LOG

| | | | | | |
|--|----------|-------------|--------------|--|---------------------------------|
| PROJECT NAME Radet - POV Investigation | | | | PROJECT NO. 5-6M-10135-7 | BORING NO. POV-Ui |
| SEE FIELD REPRESENTATIVE J. Fassio | | | | SLEV. 132' | DEPTH 2 |
| | | | | DATE BEGUN 1/32' | DATE COMPLETED 2 OF 7 |
| DEPTH SAMPLED | RECOVERY | GROUNDWATER | DEPTH (FEET) | DRILLING CONTRACTOR Prosonic | |
| | | | | EQUIPMENT USED Sonic Drilling | |
| | | | | SAMPLE NUMBER: G = GRAVE S = SPLIT-SPOON T = SHIMPLY TUBE | |
| | | | | WEATHER | |
| | | | | SOIL DESCRIPTION | |
| | | | 20 | | |
| | | | 1 | | |
| | | | 2 | | |
| | | | 3 | medium dense ? | |
| | 17-22' | 50% | 4 | medium dense, poorly graded, coarse to medium SAND with TR Gravel; moist (SP) | |
| | | | 5 | note: poor recovery | |
| | | | 6 | | |
| | | | 7 | | |
| | | | 8 | ? ? | |
| | | | 9 | | |
| | | | 30 | dense, well graded, sand, Gravel with TR cobbles; moist 50-60% gravel, sand is medium to coarse grained (GSM) interbedded with coarse to medium sand - 6" thick | |
| | 27-37' | 50% | 1 | | |
| | | | 2 | | |
| | | | 3 | | |
| | | | 4 | | |
| | | | 5 | | |
| | | | 6 | | |
| | | | 7 | | |
| | 37-47' | 95% | 8 | | |
| | | | 9 | | |
| | | | 40 | | |

COMMENTS



SOIL BORING LOG

| | | | | | |
|---|--|--|--|------------------------------------|------------------------------|
| PROJECT NAME Cadet - POV Investigation | | | | PROJECT NO S-61M-10135-7 | BORING NO. POV-4i |
| AEE FIELD REPRESENTATIVE J. Passio | | | | ELEV. 132' | PAGE 3 OF 7 |
| DRILLING CONTRACTOR Prosonis | | | | DATE BEGUN 6-14-05 | DATE COMPLETED |
| EQUIPMENT USED Sonic Drilling | | | | WEATHER | |
| SAMPLE NUMBER: O - GRAB G - SHIELD-SPUN T - SHELBY TUBE | | | | | |

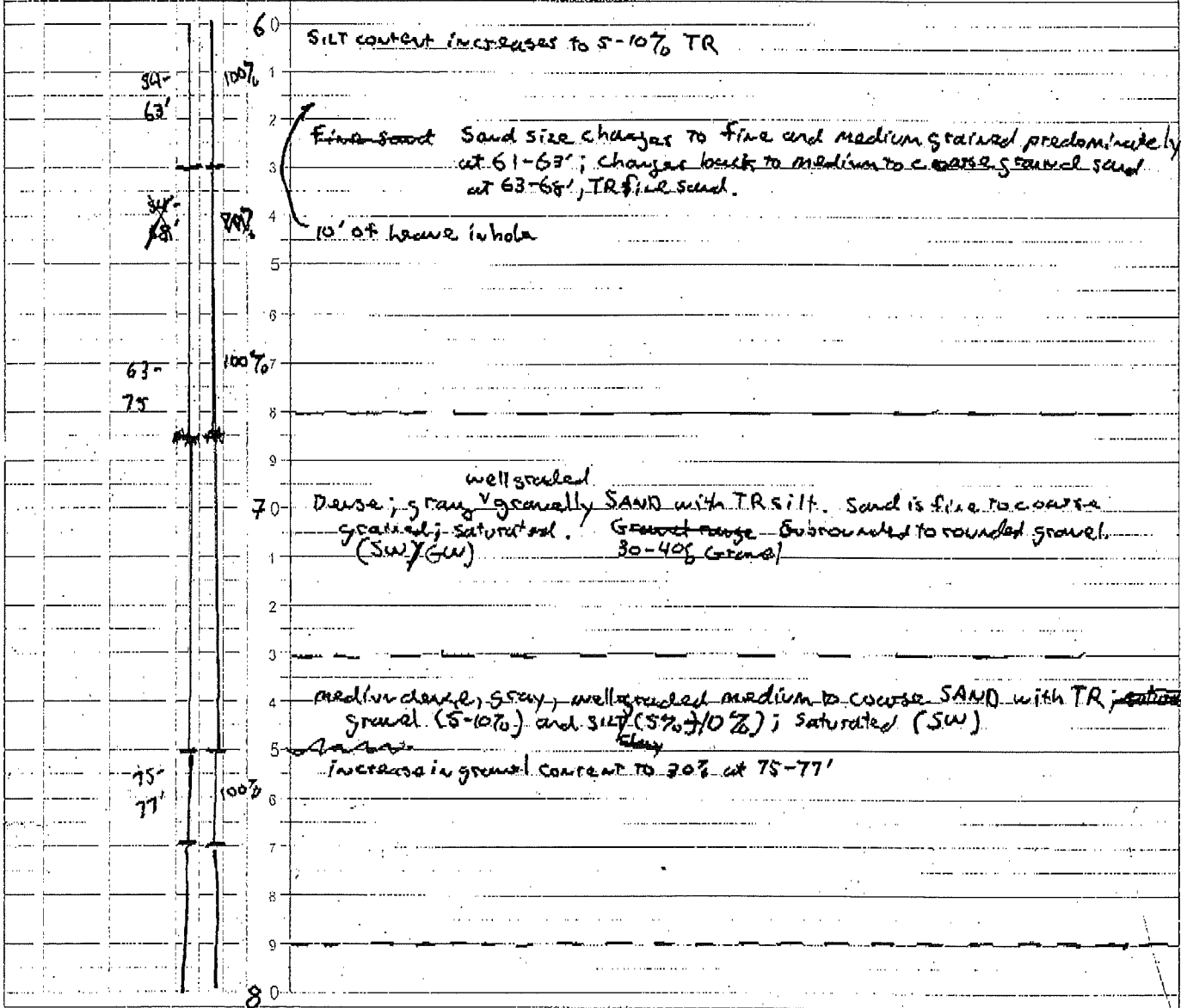
| SPIT-SPACING | SAMPLE RECOVERY | BLOW COUNT | DEPTH SAMPLED | RECOVERY | GROUNDWATER | DEPTH (FEET) | SOIL DESCRIPTION | |
|--------------|-----------------|------------|---------------|----------|-------------|--------------|---|--|
| | | | | | | 4.0 | | |
| | | | | | | 1 | | |
| | | | | | | 2 | | |
| | | | | | | 3 | | |
| | | 37'-47' | | 93% | | 3 | Dense, gray, well-graded, medium to coarse SAND; moist. (SP) | |
| | | | | | | 4 | | |
| | | | | | | 5 | with GWG 45.2' at 1195 on 6-14-05 | |
| | | | | | | 5 | (ML) medium stiff, brown, clayey SILT with some SAND (medium to coarse gravel) - TR Gravel wet. (ML) | |
| | | | | | | 7 | | |
| | | | | | | 8 | | |
| | | | | | | 9 | medium dense, well graded medium to coarse gravel SAND; saturated. (SW) | |
| | | | | | | 10 | | |
| | | 37'-54' | | 100% | | 1 | | |
| | | | | | | 2 | | |
| | | | | | | 3 | | |
| | | | | | | 4 | | |
| | | | | | | 5 | Gravel content increasing to 10-15% - TR Gravel. | |
| | | | | | | 6 | | |
| | | 54'-63' | | 100% | | 6 | | |
| | | 63'-68' | | | | 7 | | |
| | | 68'-74' | | | | 7 | | |
| | | Log bottom | | | | 7 | | |
| | | 4' from | | | | 7 | | |
| | | 600' | | | | 7 | | |
| | | | | | | 8 | | |
| | | | | | | 9 | | |
| | | | | | | 10 | | |

COMMENTS



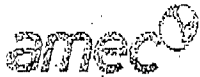
SOIL BORING LOG

| | | | |
|---|--|------------------------------------|------------------------------|
| PROJECT NAME Cadet - POV Investigation | | PROJECT NO 5-61M-10135-7 | BORING NO. POV-UI |
| AEE FIELD REPRESENTATIVE J. Fassio | | ELEV 132' | PAGE 4 OF 7 |
| DRILLING CONTRACTOR Prosonic | | DATE BEGUN 6-14-05 | DATE COMPLETED |
| EQUIPMENT USED Sonic Drilling | | WEATHER | |
| SAMPLE NUMBER: G = GRAB S = SPLIT-SPOON T = SHELLY TUBE | | | |
| SOIL DESCRIPTION | | | |



COMMENTS

Collected water sample from 69-74' screen interval. Set screen and pulled up casing 5' and allowed formation to collapse around well screen. Sample name POV-UI@74'



Earth & Environmental

SOIL BORING LOG

| | | | | | |
|--|---------------|------------|---|--|---------------------------------|
| PROJECT NAME Cader - POV Investigation | | | | PROJECT NO S-61M-10135-7 | BORING NO. S-6-POV-U1 |
| APP. FIELD REPRESENTATIVE J. Fassio | | | | ELEV. 132' | PAGE 5 of 7 |
| SPLIT-SPCON/CL | SAMPLE NUMBER | BLOW COUNT | DEPTH SAMPLED RECOVERY OR CLINDR/PISTON | DRILLING CONTRACTOR Prosonic | DATE BEGUN 6-14-05 |
| | | | | EQUIPMENT USED Sonic Drilling | WEATHER |
| SAMPLE NUMBER: G = GRAB S = SPLIT-SPOON T = SHIELBY TUBE | | | | DATE COMPLETED | |
| SOIL DESCRIPTION | | | | | |
| | | | 80 | Dense, gray, well graded sandy granular SAND; medium to coarse grained; TR silt (5-10%) (Sw) | |
| | | 77-87' | 105% | medium dense, well graded SAND; medium to coarse grained; TR SILT (Sw) | |
| | | 87-90' | 30% | medium stiff, brown, silty fine sand with some clay; 50% fine sand dense (SM/ML) 20% silt 10% clay 40% | |
| | | 90-95' | 100% | Harder Drilling @ 90' | |
| | | 95-97' | 100% | Very dense, gray, well graded sandy Gravel with TR silt and clay; cobble with some SAND and Gravel 60-65% sand 20% silt/clay 15% saturated Gravel are sub rounded to rounded, coarse & fine (GW) | |
| | | 97-101' | 100% | Drilling through large rock at 95' (large cobble or boulder at 95') Core through basal boulder at least 2.5 feet thick. Massive Basalt (RQD=86%) Easier drilling at 97' | |
| | | | 100 | medium dense, gray, well graded SAND with some silt (20-25%) (Sw) sand is fine to medium grained. silt content decreases with depth from 97-101' | |

COMMENTS

Collected water sample from 92-97' interval. Purged 28' gallons prior to sampling. Sample was moderately turbid. Collected 47% - VOAS sample time: 1100, Sample name: POV-U1 697'



SOIL BORING LOG

| | | | | | |
|---|----------------------|--------------|--------------|---|------------------------------|
| PROJECT NAME Cader - POV Investigation | | | | PROPERTY NO. S-614-10135-7 | BORING NO. POV-4i |
| AEC FIELD REPRESENTATIVE J. Fossio | | | | ELEV. 132' | PAGE 6 OF 7 |
| DRILLING CONTRACTOR Prosonic | | | | DATE BEGUN 6-14-05 | DATE COMPLETED |
| EQUIPMENT USED Sonic Drilling | | | | WEATHER | |
| SAMPLE NUMBER: G = GRAB S = SPLIT-SPOON T = Shelby TUBE | | | | | |
| SOIL DESCRIPTION | | | | | |
| DEPTH (FEET) | DEPTH SAMPLED (FEET) | RECOVERY (%) | GRC. % WATER | SOIL DESCRIPTION | |
| 100 | | | | | |
| 1 | | | | | |
| 2 | 97-107' | 100% | | Dense, gray, well graded, sandy Gravel with TR silt/clay; sand is medium to coarse grained; saturated (Gw) | TR |
| 3 | | | | 20-25% of gravels are non-volcanics (e.g. quartzite, metamorphic or igneous) | |
| 4 | | | | 75% Basalt or Andesite | |
| 5 | | | | (20-30% of clasts have a very thin coating of cementation at 106') | |
| 6 | | | | Silt content increases to 15-20% | |
| 7 | | | | Harder drilling | |
| 8 | | | | Very dense, well graded, Gravel with some fine sand and silt (matrix between coarse gravels). Gravel 60% vs 24% silt 16% sand is fine to medium grained (GM) ~ 20% nonvolcanics (quartz quartzite, metamorphic clasts); not resistant | TR clay |
| 9 | 107-117' | 100% | | 30-40% clasts with cementation coating | |
| 10 | | | | Some intervals are matrix supported (3-6" thick). sand is concentrated adjacent to clasts in pockets in matrix unevenly | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | 117-121' | 100% | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |
| 34 | | | | | |
| 35 | | | | | |
| 36 | | | | | |
| 37 | | | | | |
| 38 | | | | | |
| 39 | | | | | |
| 40 | | | | | |
| 41 | | | | | |
| 42 | | | | | |
| 43 | | | | | |
| 44 | | | | | |
| 45 | | | | | |
| 46 | | | | | |
| 47 | | | | | |
| 48 | | | | | |
| 49 | | | | | |
| 50 | | | | | |

COMMENTS



SOIL BORING LOG

| | | | |
|---|--|-------------------------------------|------------------------------|
| PROJECT NAME Cadex - POV Investigation | | PROJECT NO. S-61M-10133-7 | BORING NO. POV-U1 |
| AEE FIELD REPRESENTATIVE J. Fassio | | ELEV. 132' | PAGE 7 OF 7 |
| DRILLING CONTRACTOR Prosonic | | DATE BEGUN 6-14-05 | DATE COMPLETED |
| EQUIPMENT USED Sonic Drilling | | WEATHER | |
| SAMPLE NUMBER: G = GRAB S = SPIN. SPOON T = SHELBY TUBE | | | |

| SPIN. SPOON DIA. | SAMPLE NUMBER | BLOW COUNT | DEPTH (SAMPLE) | RECOVERY | GROUNDWATER | DEPTH (FEET) | SOIL DESCRIPTION |
|------------------|---------------|------------|----------------|----------|-------------|--------------|------------------|
| | | | 117' | | | 120 | |
| | | | 123' | 100% | | 1 | |
| | | | | | | 2 | |
| | | | 121' | | | 3 | |
| | | | 132' | 100% | | 4 | |
| | | | | | | 5 | |
| | | | | | | 6 | |
| | | | | | | 7 | |
| | | | | | | 8 | |
| | | | | | | 9 | |
| | | | | | | 10 | |
| | | | | | | 11 | |
| | | | | | | 12 | |
| | | | | | | 13 | |
| | | | | | | 14 | |
| | | | | | | 15 | |
| | | | | | | 16 | |
| | | | | | | 17 | |
| | | | | | | 18 | |
| | | | | | | 19 | |
| | | | | | | 20 | |
| | | | | | | 21 | |
| | | | | | | 22 | |
| | | | | | | 23 | |
| | | | | | | 24 | |
| | | | | | | 25 | |
| | | | | | | 26 | |
| | | | | | | 27 | |
| | | | | | | 28 | |
| | | | | | | 29 | |
| | | | | | | 30 | |
| | | | | | | 31 | |
| | | | | | | 32 | |
| | | | | | | 33 | |
| | | | | | | 34 | |
| | | | | | | 35 | |
| | | | | | | 36 | |
| | | | | | | 37 | |
| | | | | | | 38 | |
| | | | | | | 39 | |
| | | | | | | 40 | |
| | | | | | | 41 | |
| | | | | | | 42 | |
| | | | | | | 43 | |
| | | | | | | 44 | |
| | | | | | | 45 | |
| | | | | | | 46 | |
| | | | | | | 47 | |
| | | | | | | 48 | |
| | | | | | | 49 | |
| | | | | | | 50 | |
| | | | | | | 51 | |
| | | | | | | 52 | |
| | | | | | | 53 | |
| | | | | | | 54 | |
| | | | | | | 55 | |
| | | | | | | 56 | |
| | | | | | | 57 | |
| | | | | | | 58 | |
| | | | | | | 59 | |
| | | | | | | 60 | |
| | | | | | | 61 | |
| | | | | | | 62 | |
| | | | | | | 63 | |
| | | | | | | 64 | |
| | | | | | | 65 | |
| | | | | | | 66 | |
| | | | | | | 67 | |
| | | | | | | 68 | |
| | | | | | | 69 | |
| | | | | | | 70 | |
| | | | | | | 71 | |
| | | | | | | 72 | |
| | | | | | | 73 | |
| | | | | | | 74 | |
| | | | | | | 75 | |
| | | | | | | 76 | |
| | | | | | | 77 | |
| | | | | | | 78 | |
| | | | | | | 79 | |
| | | | | | | 80 | |
| | | | | | | 81 | |
| | | | | | | 82 | |
| | | | | | | 83 | |
| | | | | | | 84 | |
| | | | | | | 85 | |
| | | | | | | 86 | |
| | | | | | | 87 | |
| | | | | | | 88 | |
| | | | | | | 89 | |
| | | | | | | 90 | |
| | | | | | | 91 | |
| | | | | | | 92 | |
| | | | | | | 93 | |
| | | | | | | 94 | |
| | | | | | | 95 | |
| | | | | | | 96 | |
| | | | | | | 97 | |
| | | | | | | 98 | |
| | | | | | | 99 | |
| | | | | | | 100 | |

TD=132'

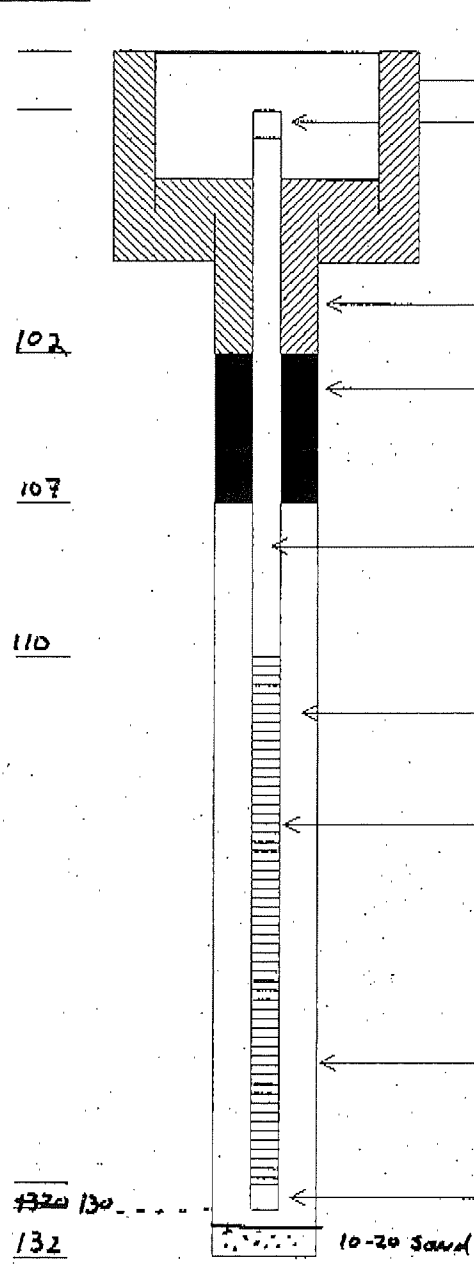
COMMENTS



Earth & Environmental

MONITORING WELL AS-BUILT REPORT

PROJECT No. S-61M-10135-7
 PROJECT NAME Cadex
 LOCATION W 11th & Lincoln
 OBSERVED BY Joe Passio
 BORING/WELL I.D. POV-U
 DRILLER/INSTALLER Stevens, Dangel, Jago, Aaron
 DATE 6-16-06
 SOIL TYPE _____ DEPTH _____
 START CARD#/WELL TAG I.D.# _____



ABOVE GROUND RISER HEIGHT (IF APPLICABLE) _____
 MONUMENT TYPE (IF APPLICABLE) _____
 WELL CAP TYPE _____
 GROUT TYPE/#SACKS Grout-well™ ut-Bru, Inc
Bertha's Grout / 12
410 350 5/16" dia
 BENTONITE SEAL /#SACKS Bentonite
medium chips, 2 bag
NSF ut-Bru, Inc.
EnviroPlus™
 WELL CASING I.D. 2"
 TYPE OF CASING PVC
 TYPE OF CONNECTION Threaded
 FILTER PACK / SIZE / #SACKS 10-20 SAND / 7
 WELL SCREEN I.D. 2"
 TYPE OF SCREEN 0.10 Slot
 SLOT SIZE _____
 DIAMETER OF BOREHOLE 6"
 ENDCAP TYPE Threaded

REMARKS _____



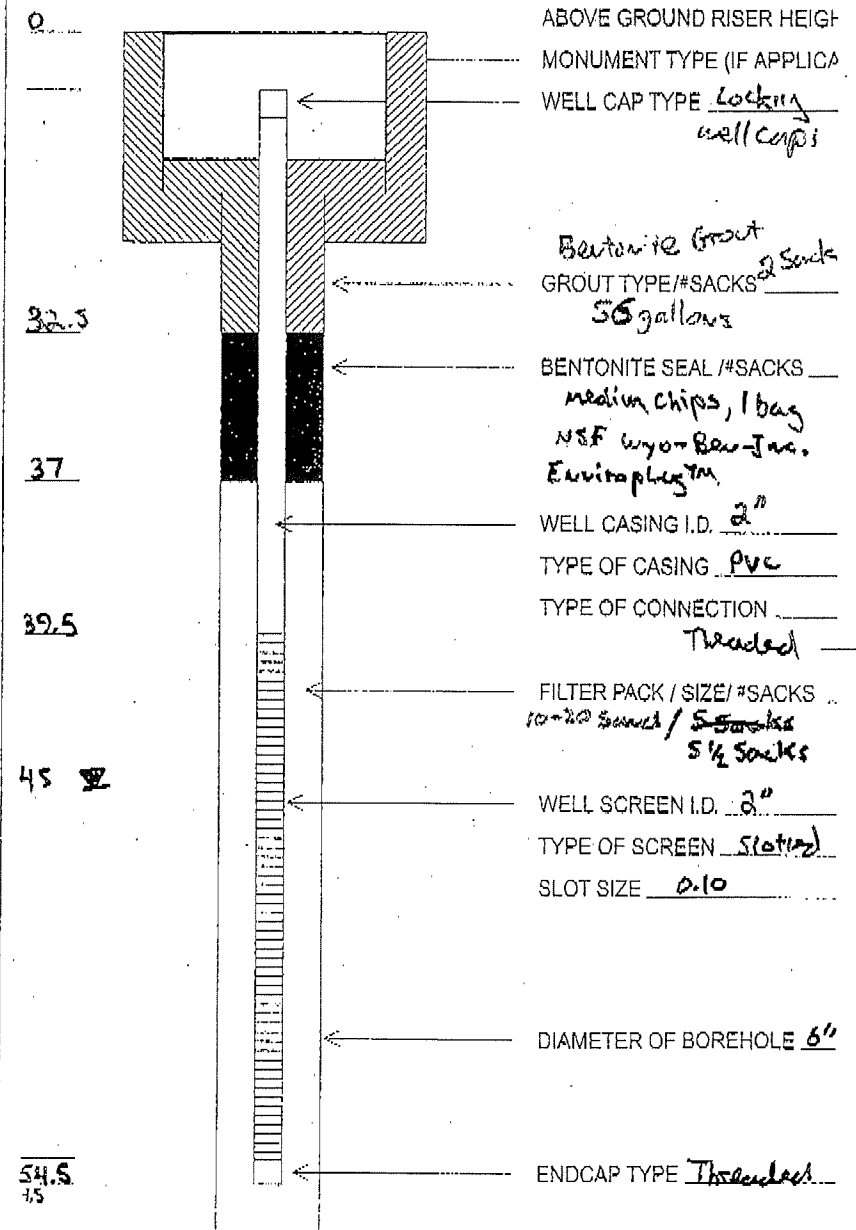
MONITORING WELL

LOCATION near 1813 W 11th
W. 11th and Lincoln - Vancouver
 OBSERVED BY J. Fassio
 DRILLER/INSTALLER Steve

PROJECT NO. 5-51M-10133-7
 PROJECT NAME Codey
 BORING/WELL I.D. POV - US
 DATE 5-16-05
 START CARD#/WELL T.

SOIL TYPE DEPTH

SOILS NOT LOGGED @ US SINCE ALREADY LOGGED ON U.I.
 (THIS IS ONLY A COUPLE FEET AWAY.)



REMARKS

RGRW & ASSOCIATED WELLS

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|---|---------------------------|---------------------------|---|------------------------------------|----------------|
| 0 | | | Asphalt (3/4-inch to 1.0-inch) underlain by GRAVEL FILL (base course). | | | | | | |
| 1 - 22 | | SM-SP | Brown SANDY SILT; dry. Grades to SILTY SAND. | | | | | | |
| 22 - 30 | | GM-GP | Grades to GRAVELLY SAND with little silt. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Moblie B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT874 DRILLING DATES: 11/17/2003 - 11/17/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNED3.GDT 9/9/04

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-1/45'
PAGE 1 OF 2

AMEC 042173

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | GM-GP | GRAVELLY SAND with little silt. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D., with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-91M-10135-C-T3.GPJ AMEC-PORTLAND JUNE03.GDT 8/9/04

| | | |
|---|---|---|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.0 (In) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT874 DRILLING DATES: 11/17/2003 - 11/17/2003 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. |
|---|---|---|

| | | | |
|--|--|--|--|
| Cadet Manufacturing Vancouver, Washington 3-81M-10135-C T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-1/45' PAGE 2 OF 2 |
|--|--|--|--|

AMEC 042174

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---------------------------------|---|---------------------------|---------------------------|-------------|---|----------------|
| | | | | | | | | | |
| 0 | | | Asphalt (3/4-inch to 1.0-inch). | | | | | | |
| 0 - 24 | | ML | Brown SANDY SILT; dry. | | | | | | |
| 24 - 30 | | SP | GRAVELLY SAND. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 11.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT872 DRILLING DATES: 11/13/2003 - 11/13/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT B0904

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-1/80'

PAGE 1 OF 3

AMEC 042175

| DEPTH (ft Bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | SP | GRAVELLY SAND. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 35 | | | | | | | | | Bentonite Chips (29 Bags) |
| 40 | | GW | Larger SANDY GRAVEL. Harder drilling. | | | | | | 8-12 Colorado Silica Sand |
| 45 | | | Subrounded, basalt GRAVEL (1.0-inch to 4.0-inch). Drilling smoothed out. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 50 | | | GRAVEL. Rough drilling. | | | | | | Cone-shaped End Cap |
| 55 | | | Continued interbedded sandier layers. | | | | | | 20-40 Colorado Silica Sand (6 Bags) |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 11.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: Mobile B59 CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R64579/AHT872 LOGGED BY: B. Lary DRILLING DATES: 11/13/2003 - 11/13/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/9/04

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-1/80'

PAGE 2 OF 3

AMEC 042176

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-----------------------------------|-------------|---|---|---------------------------|---------------------------|---|------------------------------------|---|
| 0 | | GP | SANDY GRAVEL. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20-40 Colorado Silica Sand (6 Bags)</p> <p>Bentonite Chips</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 70 | | | GRAVEL size or content increases. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |
| 85 | BORING METHOD: Hollow Stem Auger | | | ELEVATION REFERENCE: | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |
| | BOREHOLE DIAMETER: 11.0 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | |
| | DRILL RIG: Mobile B59 | | | CASING ELEVATION: NA | | | | | |
| | CONTRACTOR: Geo-Tech Explorations | | | START CARD/TAG ID: R64579/AHT872 | | | | | |
| | LOGGED BY: B. Lary | | | DRILLING DATES: 11/13/2003 - 11/13/2003 | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-C T3.GPJ AMEC PORTLAND_JUNE03.GOT 8/9/04

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-1/80'

PAGE 3 OF 3

AMEC 042177

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-2 | | ML-SM | SANDY SILT to SILTY SAND. | | | | | | Concrete |
| 2-22 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 22-27 | | | | | | | | | Bentonite Chips (3/8-inch) |
| 27-30 | | GW | SANDY GRAVEL/PEBBLES. | | | | | | Bentonite Quik-Grout (50 Gallons) |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Mobile B59 **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT869
LOGGED BY: B. Lary **DRILLING DATES:** 11/12/2003 - 11/12/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-2
 PAGE 1 OF 2

AMEC 042178

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|-----------------------------------|-------------|-------------|---|--------|--------------------------|---|-------------|------------------------------------|---|--|
| 30 | | GW | SANDY GRAVEL. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Quik-Grout (50 Gallons)</p> <p>10-20 Colorado Silica Sand</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>End Cap</p> | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| | | | Total depth = 60.0 feet below ground surface. | | | | | | | |
| BORING METHOD: Hollow Stem Auger | | | ELEVATION REFERENCE: | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | | |
| BOREHOLE DIAMETER: 8.0 (in) | | | GROUND SURFACE ELEVATION: NA | | | | | | | |
| DRILL RIG: Mobile B59 | | | CASING ELEVATION: NA | | | | | | | |
| CONTRACTOR: Geo-Tech Explorations | | | START CARD/TAG ID: R64579/AHT869 | | | | | | | |
| LOGGED BY: B. Lary | | | DRILLING DATES: 11/12/2003 - 11/12/2003 | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND.JUNE03.GDT_BIS04

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3


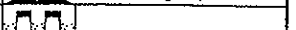

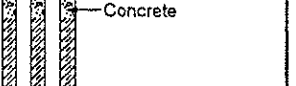

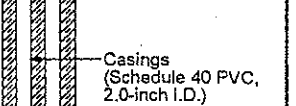


AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-2

PAGE 2 OF 2

AMEC 042179

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|---|-------------|---|---|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt | | | | | |  |
| |  | ML | Brown SANDY SILT, dry. | | | | | |  |
| |  | SM | Grades to SILTY SAND. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 |  | SP | GRAVELLY SAND interbedded with SAND layers. | | | | | |  |
| 25 | | | | | | | | | |
| 30 | | | Increased GRAVEL. | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 11.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: Mobile B59 CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R64579/AHT873 LOGGED BY: B. Lary DRILLING DATES: 11/14/2003 - 11/14/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C T3 GPJ AMEC PORTLAND JUNE03 GDT 8/9/04

Cadet Manufacturing
Vancouver, Washington

3-61 M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-3

PAGE 1 OF 3

AMEC 042180

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | SP | | | | | | | <ul style="list-style-type: none"> Bentonite Chips (3/4-inch, 25 Bags) 8-12 Colorado Silica Sand (9 Bags) Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) Casing (Schedule 40 PVC, 2.0-inch I.D.) Cone-shaped End Cap 20-40 Colorado Silica Sand (6 Bags) |
| 45 | | GW | SANDY GRAVEL. | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUN03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 11.0 (in)
 DRILL RIG: Mobile B59
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: R64579/AHT873
 DRILLING DATES: 11/14/2003 - 11/14/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-3

PAGE 2 OF 3

AMEC 042181

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GW | SANDY GRAVEL. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20-40 Colorado Silica Sand</p> <p>Bentonite Chips (3/4-inch, 1 Bag)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | Larger GRAVEL/COBBLES. Harder drilling. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:

BOREHOLE DIAMETER: 11.0 (in) GROUND SURFACE ELEVATION: NA

DRILL RIG: Mobile B59 CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R64579/AHT873

LOGGED BY: B. Lary DRILLING DATES: 11/14/2003 - 11/14/2003

REMARKS:

No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-3

PAGE 3 OF 3

AMEC 042182

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|----------------|-------------|-------------|---------------------------------|--------|---------------------------|---------------------------|-------------|------------------------------------|---|-------------------------------------|
| | | | | | | | | | | |
| 0 | | SM | Asphalt | | | | | | Flush-Mount Monument with Locking Cap | Concrete |
| 0 - 19 | | | Loose, brown SILTY SAND; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) | Bentonite Chips (3/8-inch, 10 Bags) |
| 19 - 30 | | GW-SW | SANDY GRAVEL to GRAVELLY SAND. | | | | | | Bentonite Quik-GROUT (Approximately 50 Gallons, 1.5 Bags to 40 Gallons) | |
| 30 | | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUN03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 6.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: R64579/AHT866
DRILLING DATES: 11/10/2003 - 11/10/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

| | | | |
|--|--|--|--|
| Cadet Manufacturing Vancouver, Washington 3-61M-10135-C T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-4 PAGE 1 OF 2 AMEC 042183 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT 'N' VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|---|-----------------------------|---------------------------|---|------------------------------------|---|
| 30 | | GW-SW | SANDY GRAVEL to GRAVELLY SAND. | | | | | | <ul style="list-style-type: none"> Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Quik-Grout (Approximately 50 Gallons, 1.5 Bags to 40 Gallons) 8-12 Colorado Silica Sand (4 Bags) Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) Cone-shaped End Cap |
| 45 | | GW | GRAVEL increases, sand decreases. | | | | | | |
| 60 | | | Total depth = 60.0 feet below ground surface. | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 6.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT866 DRILLING DATES: 11/10/2003 - 11/10/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 89/04

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3


AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-4

PAGE 2 OF 2

AMEC 042184

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|--|---------------------------|---------------------------|-------------|---|---|
| 0 | | | Asphalt (3/4-inch to 1.0-inch). | | | | | | <p>Flush-Mount Monument with Locking Cap</p> <p>Concrete</p> <p>Casings (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (32 Bags)</p> |
| 0 - 24 | | ML | Brown SANDY SILT; dry to moist. | | | | | | |
| 24 - 30 | | SW | GRAVELLY SAND. Slightly harder drilling. | | | | | | |
| <p>ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND-JUNE03.GDT 09/04</p> <p>BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:</p> <p>BOREHOLE DIAMETER: 11.0 (in) GROUND SURFACE ELEVATION: NA</p> <p>DRILL RIG: Mobile B59 CASING ELEVATION: NA</p> <p>CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: R64579/AHT871</p> <p>LOGGED BY: B. Lary DRILLING DATES: 11/13/2003 - 11/13/2003</p> <p>REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.</p> | | | | | | | | | |
| <p>Cadet Manufacturing Vancouver, Washington</p> <p>3-61M-10135-C T3</p> | | | | <p>AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892</p>  | | | | <p>LOG OF BORING MR-5</p> <p>PAGE 1 OF 3</p> <p>AMEC 042185</p> | |

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|--------|---------------------------|---|-------------|------------------------------------|--|
| 30 | | SW | GRAVELLY SAND. | | | | | | Bentonite Chips (32 Bags) |
| 35 | | | | | | | | | 8-12 Colorado Silica Sand (9 Bags) |
| 40 | | GW | Larger SANDY GRAVEL/COBBLES. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 45 | | GW-SW | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 50 | | | Interbedded SAND layers. | | | | | | Cone-shaped End Cap |
| 55 | | | | | | | | | 20-40 Colorado Silica Sand (7 Bags) |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 11.0 (In) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT871 DRILLING DATES: 11/13/2003 - 11/13/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND, JUNE03.GDT 8/9/04

| | | |
|--|--|--|
| Cadet Manufacturing Vancouver, Washington 3-61M-10135-C T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | |
|--|--|--|

**LOG OF BORING
MR-5**

PAGE 2 OF 3

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GW-SW | | | | | | | <ul style="list-style-type: none"> Casing (Schedule 40 PVC, 2.0-inch I.D.) 20-40 Colorado Silica Sand (7 Bags) Bentonite Chips (3/4-inch, 1 Bag) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) Cone-shaped End Cap |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | GP | Large GRAVEL/COBBLE. Very slow drilling. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

ENVR+WELL BORING REVZ 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 889D4

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 11.0 (in)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: R64579/AHT871
DRILLING DATES: 11/13/2003 - 11/13/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-5

PAGE 3 OF 3

AMEC 042187

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). SANDY SILT to SILTY SAND. | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | ML- SM | | | | | | | Concrete |
| 5-22 | | | | | | | | | Casings (Schedule 40 PVC, 2.0-inch I.D.) |
| 22-25 | | SW- GW | SAND to SANDY GRAVEL. | | | | | | Bentonite Chips (20 Bags) |
| 25-30 | | | | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 11.0 (in)
 DRILL RIG: Mobile B59
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: R64579/AHT870
 DRILLING DATES: 11/12/2003 - 11/12/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-6
 PAGE 1 OF 3

AMEC 042188

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | SW-GW | | | | | | | <ul style="list-style-type: none"> Bentonite Chips (20 Bags) 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) Casing (Schedule 40 PVC, 2.0-inch I.D.) Cone-shaped End Cap 20-40 Colorado Silica Sand |
| 35 | | GP | Coarse SANDY GRAVEL with cobbles (4.0-inch plus). | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2, 3-61M-10135-C-T3.GPJ AMEC PORTLAND, JUNE03.GDT, 8/9/04

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 11.0 (In)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: R64579/AHT870
DRILLING DATES: 11/12/2003 - 11/12/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-6

PAGE 2 OF 3

AMEC 042189

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 50 | | GP | SANDY GRAVEL. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20-40 Colorado Silica Sand</p> <p>Bentonite Chips (1 Bag)</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch i.d. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 68 | | | | | | | | | |
| 70 | | | | | | | | | |
| 72.0 | | SP | SAND lens at 72.0-75.0 feet below ground surface. Easy drilling. | | | | | | |
| 75 | | GP | SANDY GRAVEL. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

ENVR+WELL BORING REV2 3-81M-10135-C-T3.GPJ AMEC PORTLAND, JUNE03.GDT 8/9/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 11.0 (In)
 DRILL RIG: Mobile B59
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: R64579/AHT870
 DRILLING DATES: 11/12/2003 - 11/12/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-81M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-6

PAGE 3 OF 3

AMEC 042190

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | ML-SM | Asphalt (3/4-inch to 1.0-inch). SANDY SILT. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | | | | | | | | |
| 20 | | | | | | | | | |
| 22 | | SP | GRAVELLY SAND. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNED3.GDT. 8/9/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 11.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Mobile B59 **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT868
LOGGED BY: B. Lary **DRILLING DATES:** 11/11/2003 - 11/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

| | | | |
|--|--|--|--|
| Cadet Manufacturing Vancouver, Washington 3-61M-10135-C T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-7 PAGE 1 OF 3 AMEC 042191 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | SP | | | | | | | 10-20 Colorado Silica Sand (Transition Layer) |
| 35 | | GP | Larger GRAVEL/COBBLES to SANDY GRAVEL. Hard drilling. | | | | | | 8-12 Colorado Silica Sand (2 Bags) + NATIVE |
| 40 | | | GRAVEL, little sand. Harder drilling at 40.0-45.0 feet below ground surface. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand) |
| 45 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 50 | | | | | | | | | Cone-shaped End Cap |
| 55 | | | | | | | | | Bentonite Grout (Approximately 30-35 Gallons) |
| 60 | | SP | SAND (approximately 2.0-4.0 feet). Easier drilling. | | | | | | |

ENVR-WELL BORING REVZ 3-51M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/5/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 11.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Mobile B59 **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations **START CARD/TAG ID:** R64579/AHT868
LOGGED BY: B. Lary **DRILLING DATES:** 11/11/2003 - 11/11/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
Vancouver, Washington
3-51M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



**LOG OF BORING
MR-7**

PAGE 2 OF 3

AMEC 042192

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | SP | SAND. | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips</p> <p>8-12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-pack with 8-12 Colorado Silica Sand)</p> <p>Cone-shaped End Cap</p> |
| 62 | | GP | SANDY GRAVEL. | | | | | | |
| 65 | | | Intermittant GRAVEL. | | | | | | |
| 70 | | | GRAVEL. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-C T3.GPJ AMEC PORTLAND.BONE03.GDT 88004

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 11.0 (ln)
DRILL RIG: Mobile B59
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: R64579/AHT868
DRILLING DATES: 11/11/2003 - 11/11/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-7

PAGE 3 OF 3

AMEC 042193

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---------------------------|---|---------------------------|---------------------------|-------------|---|--|
| 0 | | | Asphalt. | | | | | | Flush-Mount Monument with Locking Cap |
| 0 - 22 | | ML-SM | SILTY SAND to SANDY SILT. | | | | | | Concrete |
| 0 - 22 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 0 - 22 | | | | | | | | | Bentonite Chips (3/8-inch) |
| 22 - 30 | | SP | GRAVELLY SAND. | | | | | | Bentonite Grout (Approximately 50 Gallons) |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 6.0 (in) DRILL RIG: Mobile B59 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64579/AHT867 DRILLING DATES: 11/10/2003 - 11/10/2003 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 88904

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-8

PAGE 1 OF 2

AMEC 042194

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|--|-------------|------------------|--|---------------------------|---------------------------|-------------|--|---|
| 30 | | SP | | | | | | | <p>Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Grout (Approximately 50 Gallons)</p> <p>8-12 Colorado Silica Sand (4 Bags)</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>End Cap</p> |
| 45 | | | | | | | | | |
| 60 | <p>Total depth = 60.0 feet below ground surface.</p> | | | | | | | | |
| <p>BORING METHOD: Hollow Stem Auger</p> <p>BOREHOLE DIAMETER: 6.0 (in)</p> <p>DRILL RIG: Mobile B59</p> <p>CONTRACTOR: Geo-Tech Explorations</p> <p>LOGGED BY: B. Lary</p> | | | | <p>ELEVATION REFERENCE:</p> <p>GROUND SURFACE ELEVATION: NA</p> <p>CASING ELEVATION: NA</p> <p>START CARD/TAG ID: R64579/AHT867</p> <p>DRILLING DATES: 11/10/2003 - 11/10/2003</p> | | | | <p>REMARKS:</p> <p>No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.</p> | |

ENVR+WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUN03.GDT 89104

Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-8

PAGE 2 OF 2

AMEC 042195

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, micaceous, some fine sand, some clay; moist. | | | | | | Flush-Mount Monument with Locking Cap Concrete |
| 5 | | | | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (Coarse, 3/4-inch) |
| 10 | | | | | | | | | 10/20 Colorado Silica Sand |
| 15 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous, fine to medium sand; moist. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 20 | | | | | | | | | |
| 25 | | GM-GW | Fine, well-graded GRAVEL with fines, some coarse sand; wet. | | | | | | End Cap |
| 30 | | | | | | | | | |
| 35 | | | Total depth = 30.5 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 8.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joel **START CARD/TAG ID:** 64592/AKT842
LOGGED BY: J. Hammer, J. Fassio **DRILLING DATES:** 4/29/2004 - 4/29/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
MR-9

PAGE 1 OF 1

AMEC 042196

ENVR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|--------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, micaceous, some fine sand, trace clay; moist. | | | | | | |
| 5 | | | | | | | | | |
| 15 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous, trace fine sand; moist. | | | | | | |
| 20 | | GM-GW | Fine, rounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

BORING METHOD: Hollow Stem Auger

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 12.0 (in)

GROUND SURFACE ELEVATION: NA

DRILL RIG:

CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations/Joel

START CARD/TAG ID: 64592/AKT145

LOGGED BY: J. Hammer

DRILLING DATES: 5/3/2004 - 5/3/2004

REMARKS:

No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
Vancouver, Washington

4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-10

PAGE 1 OF 4

AMEC 042197

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND, JUNE03.GDT, 7/19/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GM-GW | Fine, rounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |

BORING METHOD: Hollow Stem Auger

ELEVATION REFERENCE:

BOREHOLE DIAMETER: 12.0 (in)

GROUND SURFACE ELEVATION: NA

DRILL RIG:

CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations/Joel

START CARD/TAG ID: 64592/AKT145

LOGGED BY: J. Hammer

DRILLING DATES: 5/3/2004 - 5/3/2004

REMARKS:

No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
Vancouver, Washington

4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-10

PAGE 2 OF 4

AMEC 042198

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | | | |
|--|-------------|-------------|--|--|---------------------------|---|-------------|------------------------------------|--|--|--|--|
| | | | | | | | | | | | | |
| 60 | | GM-GW | Fine, rounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>Native Formation (Heaved Sands)</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> | | | |
| 65 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT145 DRILLING DATES: 5/3/2004 - 5/3/2004 | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-10
PAGE 3 OF 4

AMEC 042199

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|---|
| 90 | | GM-GW | Fine, rounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> <p>Native Formation (Heaved Sands)</p> <p>End Cap</p> |
| 95 | | | | | | | | | |
| 100 | | | Total depth = 99.6 feet below ground surface. | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT145 DRILLING DATES: 5/3/2004 - 5/3/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVR+WELL BORING REV2 4-51M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

| | | | |
|--|--|--|---|
| Cadet Manufacturing Co. Vancouver, Washington 4-51M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-10 PAGE 4 OF 4 |
|--|--|--|---|

AMEC 042200

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, micaceous, some fine sand, trace clay; moist. | | | | | | Flush-Mount Monument with Locking Cap Concrete |
| 5 | | SM | Soft, brown, slightly plastic SANDY SILT, micaceous, trace fine sand; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (Coarse, 3/4-inch) |
| 10 | | | | | | | | | 10/20 Colorado Silica Sand |
| 15 | | | | | | | | | |
| 20 | | GM-GW | Fine, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND,USNE03.GDT 7/19/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 8.0 (in)
 DRILL RIG:
 CONTRACTOR: Geo-Tech Explorations/Joel
 LOGGED BY: J. Hammer

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 64592/AKT843
 DRILLING DATES: 4/29/2004 - 4/29/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-11

PAGE 1 OF 2

AMEC 042201

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--|---------------------------|---------------------------|---|------------------------------------|--|
| 30 | | GM-GW | Fine, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | <p>10/20 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>End Cap</p> |
| 35 | | | Coarse GRAVEL. | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.0 (In) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT843 DRILLING DATES: 4/29/2004 - 4/29/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND.JUNEB03.GDT 7/19/04

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-11

PAGE 2 OF 2

AMEC 042202

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|---|------------------------------------|--|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, micaceous, some fine sand, trace clay; moist. | | | | | | Flush-Mount Monument with Locking Cap Concrete |
| 5 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous; moist. | | | | | | Well Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) |
| 15 | | GM-GW | Fine, rounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | 8/12 Colorado Silica Sand |
| 20 | | GP | Coarse, rounded GRAVEL, some cobbles, trace sand/silt. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592AJKT DRILLING DATES: 4/30/2004 - 4/30/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENWR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUN03.GDT 7/19/04

Cadet Manufacturing Co.
Vancouver, Washington

4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-12

PAGE 1 OF 4

AMEC 042203

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|--|-------------|--|----------------------|--------------------------------|---------------------------|------------------------------|------------------------------------|--|
| 30 35 40 45 50 55 60 | | GP | Coarse, rounded GRAVEL, some cobbles, trace sand/silt. | | | | | | <ul style="list-style-type: none"> Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) 8/12 Colorado Silica Sand End Cap Well Casing (Schedule 40 PVC, 2.0-inch I.D.) 20/40 Colorado Silica Sand Bentonite Chips (3/8-inch) |
| BORING METHOD: Hollow Stem Auger | BOREHOLE DIAMETER: 12.0 (in) | DRILL RIG: | CONTRACTOR: Geo-Tech Explorations/Joel | ELEVATION REFERENCE: | GROUND SURFACE ELEVATION: NA | CASING ELEVATION: NA | START CARD/TAG ID: 64592/AKT | LOGGED BY: J. Hammer | DRILLING DATES: 4/30/2004 - 4/30/2004 |
| REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | | | | | | | |
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | LOG OF BORING MR-12 | | | | |
| PAGE 2 OF 4 | | | | | | | | | |


ENVR+WELL LOGGING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | | | | | | | | |
|--|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|---|--|--|--|---|--|--|--|
| 60 | | SP | Medium dense, gray, fine to medium, poorly graded SAND; wet to saturated. | | | | | | <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>Bentonite Chips (3/8-inch)</p> <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | | | | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 4/30/2004 - 4/30/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | |

ENVR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC-PORTLAND JUNE03.GDT 7/19/04

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-12

PAGE 3 OF 4

AMEC 042205

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|---|------------------------------------|---|
| 90 | | SP | Medium dense, gray, fine to medium, poorly graded SAND; wet to saturated. | | | | | | <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> <p>8/12 Colorado Silica Sand</p> <p>End Cap</p> |
| 101.6 | | | Total depth = 101.6 feet below ground surface. | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 4/30/2004 - 4/30/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |


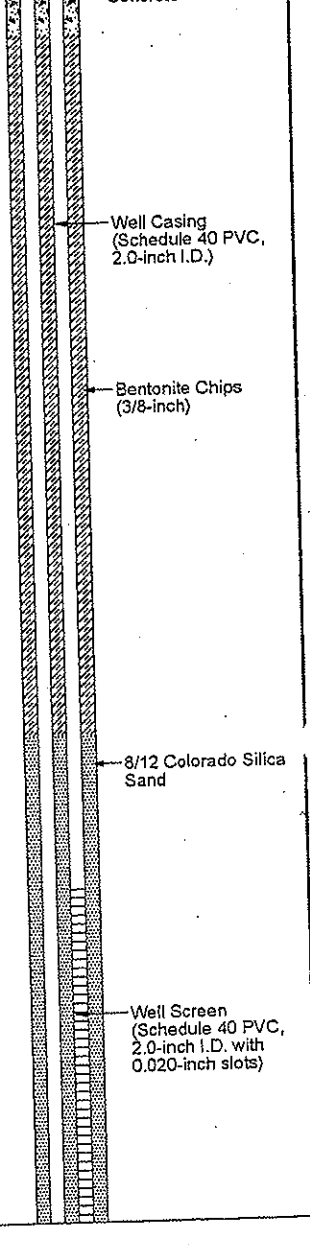
ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

| | | |
|--|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | |
|--|--|--|

LOG OF BORING
MR-12

PAGE 4 OF 4

AMEC 042206

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|--|-------------|--|---|---------------------------|---------------------------|-------------|---|--|
| 0 |  | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, some fine sand, trace clay; moist. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous, trace sand; moist. | | | | | | |
| 15 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 5/10/2004 - 5/10/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | |

ENVR+WELL BORING REV2 4-S1M-10135-L T3.GPJ AMEC PORTLAND.JUNE03.GDT 7/19/04

21.5

Cadet Manufacturing Co.
Vancouver, Washington
4-S1M-10135-L T3


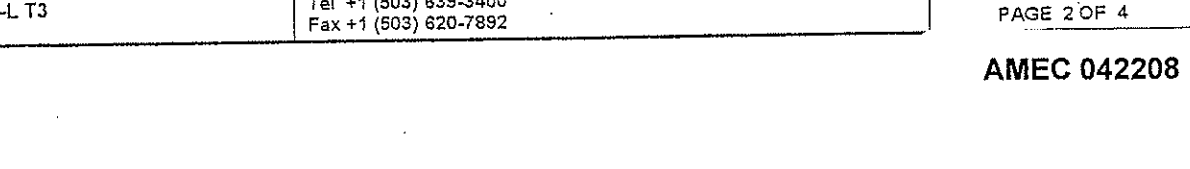

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-13

PAGE 1 OF 4

AMEC 042207

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|--|-------------|---|--------|---------------------------|---|-------------|---------------------------------------|--|
| 0 5 10 15 20 25 30 35 40 45 50 55 60 |  | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | |  <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>8/12 Colorado Silica Sand</p> <p>42</p> <p>End Cap</p> <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand</p> |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 5/10/2004 - 5/10/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | |
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | |  | | LOG OF BORING MR-13 PAGE 2 OF 4 | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

AMEC 042208

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT'N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|---|---------------------------|---------------------------|---|------------------------------------|--|
| 60 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand</p> <p>Bentonite Chips (3/8-inch)</p> <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> |
| 65 | | | | | | | | | |
| 70 | | | | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 5/10/2004 - 5/10/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVR-WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC-PORTLAND-JUNE03.GDT 7/19/04

74.5

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-13

PAGE 3 OF 4

AMEC 042209

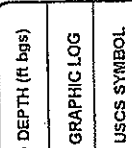
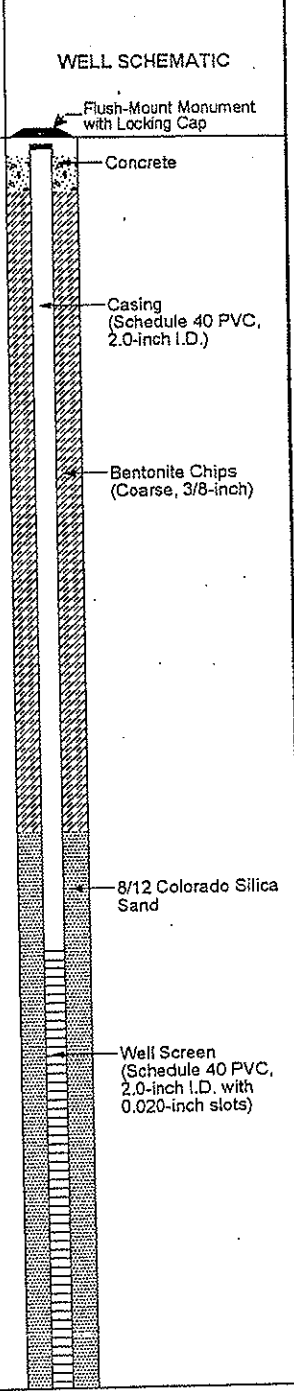
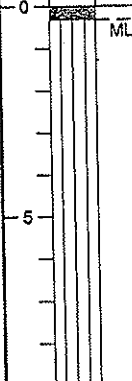
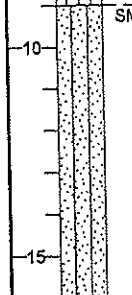
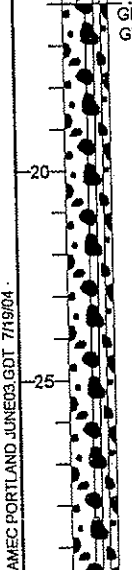
| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 90 | | GM-GW | Cemented GRAVEL. | | | | | 94.5 | <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> <p>8/12 Colorado Silica Sand</p> <p>End Cap</p> |
| 95 | | | Total depth = 95.0 feet below ground surface due to refusal. | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/25/04

| | | |
|--|---------------------------------------|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. |
| BOREHOLE DIAMETER: 12.0 (in) | GROUND SURFACE ELEVATION: NA | |
| DRILL RIG: | CASING ELEVATION: NA | |
| CONTRACTOR: Geo-Tech Explorations/Joel | START CARD/TAG ID: 64592/AKT | |
| LOGGED BY: J. Hammer | DRILLING DATES: 5/10/2004 - 5/10/2004 | |

| | | | |
|--|--|--|---|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-13 PAGE 4 OF 4 |
|--|--|--|---|

AMEC 042210

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|--|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, some fine sand, trace clay; moist. | | | | | |  |
| 5 | | | | | | | | | |
| 10 |  | SM | Soft, brown, slightly plastic SANDY SILT, micaceous, trace fine sand; moist. | | | | | | |
| 15 | | | | | | | | | |
| 20 |  | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |
| 22 | | | Large cobble or boulder encountered at 22.0 feet below ground surface. | | | | | | |
| 25 |  | | | | | | | | |
| 30 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND_JUNED3.GDT 7/19/04

BORING METHOD: Hollow Stem Auger
BOREHOLE DIAMETER: 8.0 (in)
DRILL RIG:
CONTRACTOR: Geo-Tech Explorations/Joel
LOGGED BY: J. Hammer

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID: 64592/AKT845
DRILLING DATES: 5/7/2004 - 5/7/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-14

PAGE 1 OF 2

AMEC 042211

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |
| 35 | | | | | | | | | |
| 40 | Total depth = 40.0 feet below ground surface. | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND_JUNE03.GDT 7/19/04

| | | |
|--|-------------------------------------|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: NA | |
| DRILL RIG: | CASING ELEVATION: NA | |
| CONTRACTOR: Geo-Tech Explorations/Joel | START CARD/TAG ID: 64592/AKT845 | |
| LOGGED BY: J. Hammer | DRILLING DATES: 5/7/2004 - 5/7/2004 | |

| | | | |
|--|--|--|---|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-14 PAGE 2 OF 2 |
| | AMEC 042212 | | |

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|--|--|---------------------------|---------------------------|---|------------------------------------|--|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, some fine sand, trace clay; moist. | | | | | | Flush-Mount Monument with Locking Cap |
| 5 | | | | | | | | | Concrete |
| 10 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous; moist. | | | | | | Casing (Schedule 40 PVC, 2.0-inch I.D.) |
| 15 | | | | | | | | | Bentonite Chips (Coarse, 3/8-inch) |
| 20 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | 8/12 Colorado Silica Sand |
| 25 | | | Coarse GRAVEL. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 30 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64952/AKT847 DRILLING DATES: 5/7/2004 - 5/7/2004 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | |

ENVIR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-15

PAGE 1 OF 2

AMEC 042213

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | Total depth = 40.0 feet below ground surface. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|--|---|--|
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 3.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64952/AKT847 DRILLING DATES: 5/7/2004 - 5/7/2004 | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. |
|--|---|--|

| | | | |
|---|---|--|---|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING MR-15 PAGE 2 OF 2 |
|---|---|--|---|

AMEC 042214

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READINGS (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|----------------------------|-------------|------------------------------------|--|
| 0 | | ML | Asphalt layer (2.0-inch) underlain by coarse, base aggregate (2.0-inch). Brown SANDY SILT, some fine sand, trace clay; moist. | | | | | | Flush-Mount Monument with Locking Cap Concrete |
| 5 | | SM | Soft, gray-brown, slightly plastic SANDY SILT, micaceous; moist. | | | | | | Well Casing (Schedule 40 PVC, 2.0-inch I.D.) Bentonite Chips (3/8-inch) |
| 10 | | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | 8/12 Colorado Silica Sand |
| 15 | | | Coarse GRAVEL at 22.0 feet below ground surface. | | | | | | Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots) |
| 20 | | | Fine GRAVEL at 29.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

ENVIRWELL BORING REV2 4-61M-10135-L T3 GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

BORING METHOD: Hollow Stem Auger **ELEVATION REFERENCE:**
BOREHOLE DIAMETER: 12.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joel **START CARD/TAG ID:** 64592/AKT
LOGGED BY: J. Hammer **DRILLING DATES:** 5/11/2004 - 5/11/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
MR-16

AMEC 042215

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 35 40 45 50 55 60 | | GM- GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | | <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots)</p> <p>8/12 Colorado Silica Sand</p> <p>End Cap</p> <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand</p> |

ENVR+WELL BORING REV/2 4-61M-10135-L T3.GPJ AMEC PORTLAND_JUNE03.GDT 7/19/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 12.0 (in)
 DRILL RIG:
 CONTRACTOR: Geo-Tech Explorations/Joel
 LOGGED BY: J. Hammer

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 64592/AKT
 DRILLING DATES: 5/11/2004 - 5/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

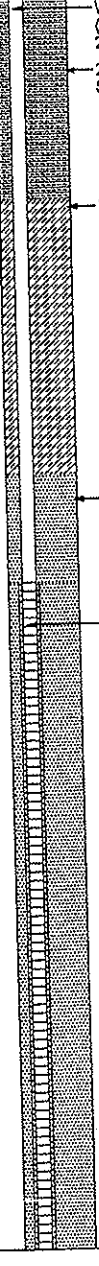
AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-16

PAGE 2 OF 4

AMEC 042216

| DEPTH (ft bgs) | GRAPHIC LOG USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|----------------------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 65 70 75 80 85 90 | GM-GW | Fine, subrounded, well-graded GRAVEL with fines, some gray silt; moist. | | | | | |  <p>Well Casing (Schedule 40 PVC, 2.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand</p> <p>Bentonite Chips (3/8-inch)</p> <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Schedule 40 PVC, 2.0-inch I.D. with 0.020-inch slots, Pre-packed with 10/20 Colorado Silica Sand)</p> |

ENVR+WELL BORING REV2 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/19/04

BORING METHOD: Hollow Stem Auger
 BOREHOLE DIAMETER: 12.0 (in)
 DRILL RIG:
 CONTRACTOR: Geo-Tech Explorations/Joel
 LOGGED BY: J. Hammer

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID: 64592/AKT
 DRILLING DATES: 5/11/2004 - 5/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-16

PAGE 3 OF 4

AMEC 042217

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOLO | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|--------------|--|---|---------------------------|---|-------------|------------------------------------|----------------|
| 90 | | GM-GW | Cemented GRAVEL. | | | | | | |
| 94.5 | | | Total depth = 94.5 feet below ground surface due to refusal. | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Joel LOGGED BY: J. Hammer | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: 64592/AKT DRILLING DATES: 5/11/2004 - 5/11/2004 | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | |

ENVR+WELL BORING REVZ 4-61M-10135-L T3.GPJ AMEC PORTLAND JUNE03.GDT 7/25/04

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 MR-16

PAGE 4 OF 4

AMEC 042218

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt | | | | | | Flush-Mount Monument with Locking Cap |
| 0-5 | | SM | Soft, brown SILT with some sand; dry. | | | | | | Cement |
| 5-10 | | SP | Loose, brown to gray, fine SAND with trace silt. | | | | | | Casing (Schedule 80 PVC, 8.0-inch O.D.) |
| 10-25 | | | Dense SAND (possible GRAVEL contact). Harder drilling and bit binding up. Trace gravel; slightly moist. | | | | | | Bentonite Chips |
| 25-30 | | GW | Dense, gray-brown, small to medium, fine SANDY GRAVEL with trace large gravel/cobbles; wet. | | | | ▽ | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND_JUNE03.GDT 8/8/04

BORING METHOD: Air Rotary
 BOREHOLE DIAMETER: 14.0 (in)
 DRILL RIG: IR T30
 CONTRACTOR: Geo-Tech Explorations
 LOGGED BY: B. Lary

ELEVATION REFERENCE:
 GROUND SURFACE ELEVATION: NA
 CASING ELEVATION: NA
 START CARD/TAG ID:
 DRILLING DATES: 11/5/2003 - 12/1/2003

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 RGRW-1

PAGE 1 OF 3

AMEC 042162

006757

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|-------------|-------------|---|--------|---------------------------|---|-------------|------------------------------------|--|
| 30 | | GW | Basalt GRAVEL with quartz and other lithologies (5% or less); wet. Drilling dry due to high pressure. Interbedded fine SAND layers. Larger GRAVEL. Interbedded fine GRAVEL with sand. Large COBBLE; moist to wet. Dense, black SANDY GRAVEL with other lithologies (5-10%). Started adding water during drilling (approximately 5 GPM). Black SANDY GRAVEL with occasional finer layers. Less fine sediments. Turned off extra water. Relatively clear groundwater coming up. | | | | | | <ul style="list-style-type: none"> Bentonite Chips Centralizer Casing (Schedule 80 PVC, 8.0-inch O.D.) 8-12 Colorado Silica Sand Upper Well Screen (Schedule 80 PVC, 8.0-inch O.D. with 0.020-inch slots) |
| 50 | | GP | Larger GRAVEL (3.0-inch plus) with trace to some sand, basalt (90%), other lithologies (10%); wet. Water production increases. High groundwater production during drilling continues. | | | | | | <ul style="list-style-type: none"> 20-40 Colorado Silica Sand Casing (Schedule 80 PVC, 8.0-inch O.D.) |
| BORING METHOD: Air Rotary BOREHOLE DIAMETER: 14.0 (in) DRILL RIG: IR T30 CONTRACTOR: Geo-Tech Explorations LOGGED BY: B. Lary | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: DRILLING DATES: 11/5/2003 - 12/1/2003 | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings. | | | |

ENVIR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNED03.GDT 8/9/04

Cadet Manufacturing
 Vancouver, Washington
 3-61M-10135-C T3

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 RGRW-1

AMEC 042163

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GP | Black GRAVEL and COBBLES (3.0-inch plus). High water production. Difficult drilling. | | | | | | <p>Casing (Schedule 80 PVC, 8.0-inch O.D.)</p> <p>20-40 Colorado Silica Sand</p> <p>Bentonite Chips</p> <p>6-9 Colorado Silica Sand</p> <p>Lower Well Screen (Schedule 80 PVC, 8.0-inch O.D. with 0.050-inch slots)</p> <p>Centralizer End Cap</p> |
| 65 | | | GRAVEL/PEBBLES (some 4.0-inch), basalt quartz (at least 85%). | | | | | | |
| 70 | | SP | Medium to fine SAND layer. | | | | | | |
| 72 | | GP | Black GRAVEL/COBBLES/PEBBLES (some 4.0-inch plus). | | | | | | |
| 75 | | | Black GRAVEL/PEBBLES. | | | | | | |
| 80 | | | Total depth = 80.0 feet below ground surface. | | | | | | |
| 85 | | | NOTE: Vac truck cleared hole from 0.0-8.0 feet below ground surface to clear for utilities. Used Air Rotary with 14.0-inch casing using Tri-cone and button bit. | | | | | | |

ENVR-WELL BORING REV2 3-61M-10135-C-T3.GPJ AMEC PORTLAND JUNE03.GDT 8/8/04

BORING METHOD: Air Rotary
BOREHOLE DIAMETER: 14.0 (in)
DRILL RIG: IR T30
CONTRACTOR: Geo-Tech Explorations
LOGGED BY: B. Lary

ELEVATION REFERENCE:
GROUND SURFACE ELEVATION: NA
CASING ELEVATION: NA
START CARD/TAG ID:
DRILLING DATES: 11/5/2003 - 12/1/2003

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.


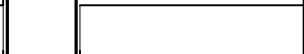

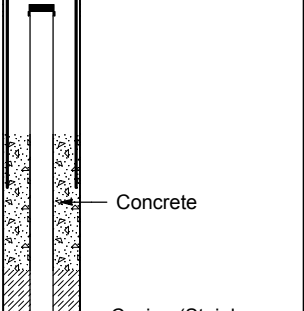
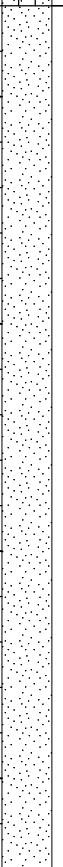
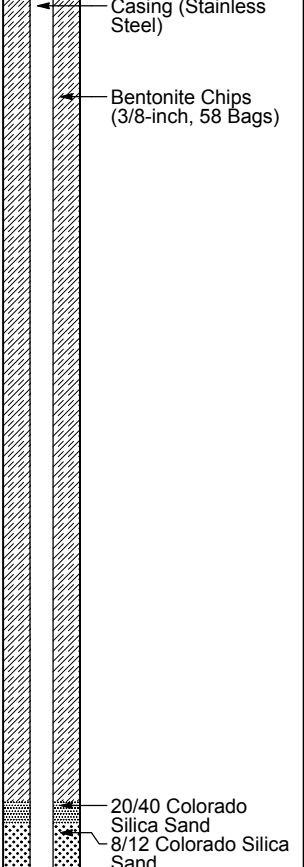

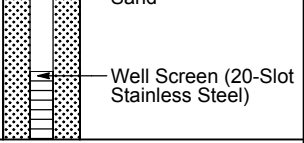



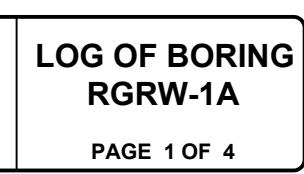
Cadet Manufacturing
Vancouver, Washington
3-61M-10135-C T3

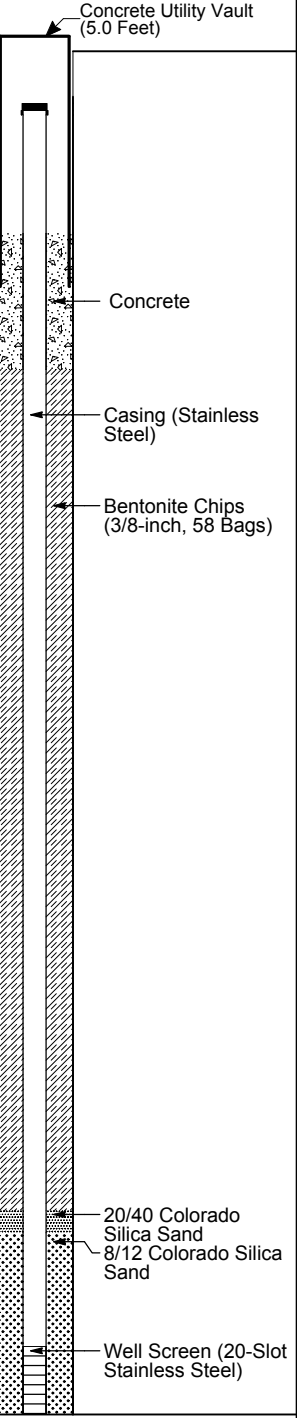
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
RGRW-1
PAGE 3 OF 3

AMEC 042164

| 0 DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|------------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt. | | | | | |  |
| |  | SM | Soft, brown SILT with some sand; dry. | | | | | |  |
| 5 |  | SP | Loose, brown to gray, fine SAND with trace silt. | | | | | |  |
| 10 |  | | Dense SAND (possible GRAVEL contact). Harder drilling and bit binding up. | | | | | |  |
| 25 |  | | Trace gravel; slightly moist. | | | | | |  |
| 30 |  | GW | Dense, gray-brown, small to medium, fine SANDY GRAVEL with trace large gravel/cobbles; wet. | | | | | |  |



| | | |
|---|---|----------|
| BORING METHOD: Sonic | ELEVATION REFERENCE: NA | REMARKS: |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: NA | |
| DRILL RIG: Rotasonic | CASING ELEVATION: NA | |
| CONTRACTOR: Boart Longyear/Geo-Tech/Brucehart | START CARD/TAG ID: RE00965/ALB959 | |
| LOGGED BY: B. Lary | DRILLING DATES: 09/15/2004 - 09/22/2004 | |

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing

4-61M-10135

AMEC Earth and Environmental



Tel
Fax

**LOG OF BORING
RGRW-1A**

PAGE 1 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GW | Basalt GRAVEL with quartz and other lithologies (5% or less); wet. Drilling dry due to high pressure. | | | | | | |
| 35 | | | Interbedded fine SAND layers. Larger GRAVEL. Interbedded fine GRAVEL with sand. Large COBBLE; moist to wet. Dense, black SANDY GRAVEL with other lithologies (5-10%). | | | | | | |
| 40 | | | Started adding water during drilling (approximately 5 GPM). Black SANDY GRAVEL with occasional finer layers. Less fine sediments. Turned off extra water. Relatively clear groundwater coming up. | | | | | | |
| 45 | | | | | | | | | |
| 50 | | GP | Larger GRAVEL (3.0-inch plus) with trace to some sand, basalt (90%), other lithologies (10%); wet. Water production increases. High groundwater production during drilling continues. | | | | | | |
| 55 | | | | | | | | | |
| 60 | | | | | | | | | |

| | | |
|---|--|-----------------|
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Rotasonic CONTRACTOR: Boart Longyear/Geo-Tech/Bruce LOGGED BY: B. Lary | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE00965/ALB959 DRILLING DATES: 09/15/2004 - 09/22/2004 | REMARKS: |
|---|--|-----------------|

| | | | |
|---|---|--|---|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-1A PAGE 2 OF 4 |
|---|---|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GP | Black GRAVEL and COBBLES (3.0-inch plus). High water production. Difficult drilling. | | | | | | <p>Casing (Stainless Steel)</p> <p>20/40 Colorado Silica Sand (17 Bags)</p> <p>Bentonite Chips (3/8-inch, 2 Bags)</p> <p>20/40 Colorado Silica Sand (2 Bags)</p> <p>Native BACKFILL</p> <p>Well Screen (20-Slot Stainless Steel)</p> |
| 65 | | | GRAVEL/PEBBLES (some 4.0-inch), basalt quartz (at least 85%). | | | | | | |
| 70 | | SP | Medium to fine SAND layer. | | | | | | |
| 75 | | GP | Black GRAVEL/COBBLES/PEBBLES (some 4.0-inch plus). | | | | | | |
| 80 | | | Black GRAVEL/PEBBLES. | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

| | |
|--|--|
| BORING METHOD: Sonic | ELEVATION REFERENCE: NA |
| BOREHOLE DIAMETER: 8.0 (in) | GROUND SURFACE ELEVATION: NA |
| DRILL RIG: Rotosonic | CASING ELEVATION: NA |
| CONTRACTOR: Boart Longyear/Geo-Tech/Bruce | START CARD/TAG ID: RE00965/ALB959 |
| LOGGED BY: B. Lary | DRILLING DATES: 09/15/2004 - 09/22/2004 |

REMARKS:

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing
4-61M-10135

AMEC Earth and Environmental
Tel
Fax



**LOG OF BORING
RGRW-1A**

PAGE 3 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 90 | | GP | Total depth = 98.33 feet below ground surface. | | | | | | |
| 95 | | | | | | | | | |

| | | |
|---|--|-----------------|
| BORING METHOD: Sonic BOREHOLE DIAMETER: 8.0 (in) DRILL RIG: Rotasonic CONTRACTOR: Boart Longyear/Geo-Tech/Bruce LOGGED BY: B. Lary | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE00965/ALB959 DRILLING DATES: 09/15/2004 - 09/22/2004 | REMARKS: |
|---|--|-----------------|

| | | | |
|---|---|--|---|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-1A PAGE 4 OF 4 |
|---|---|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt. | | | | | | |
| 0-5 | | SM | Brown SANDY SILT; dry. | | | | | | |
| 5-10 | | | | | | | | | |
| 10-15 | | | | | | | | | |
| 15-20 | | | | | | | | | |
| 20-25 | | SW | Contact with GRAVEL at 20.0 feet below ground surface. Slower drilling rate. Coarse, angular to subangular, well-graded GRAVELLY SAND, some silt, fine gravel (< 1/2-inch diameter). Well-graded, some gravel cuttings (< 1.0-inch diameter). No cuttings return from 24.0-29.0 feet below ground surface. | | | | | | |
| 25-30 | | | | | | | | | |
| 30 | | GW | Fine to coarse, rounded to subrounded, well-graded GRAVEL (< 1.0-inch diameter) with some sand (20-30%); wet. | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: B. Lary/M. Kohlbecker **DRILLING DATES:** 04/19/2004 - 05/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|--|--|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-2 PAGE 1 OF 4 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 | | GW | Fine, rounded to subrounded, well-graded GRAVEL (< 2.0-inch diameter) with sand (30%) and fines (5-10%); wet. | | | | | | <p>Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.020-inch slots)</p> <p>8/12 Colorado Silica Sand (Surged During Air-Lift Development)</p> <p>Casing (Schedule 80 PVC, 12.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand (Surged During Air-Lift Development)</p> <p>Bentonite Chips</p> |
| | | | Fine, rounded to subrounded, well-graded SANDY GRAVEL, (sand, 40%); wet. | | | | | | |
| 35 | | | SAND content increases to 50%. | | | | | | |
| | | SW | Medium to coarse, well-graded SAND. Poor sample return. | | | | | | |
| 40 | | GP | Fine and coarse GRAVEL (50%) layers starting at approximately 40.0 feet below ground surface (cuttings). Saturated, moderate production. | | | | | | |
| | | | Coarse GRAVEL. | | | | | | |
| 45 | | SW | Coarse to medium, subangular to rounded, well-graded GRAVELLY SAND, fine gravel (20%), basalt, plagioclase feldspar, quartzite. | | | | | | |
| | | SP | Coarse, angular to subangular, poorly graded SAND (90-95%) with trace fine gravel (5-10%); saturated. | | | | | | |
| 50 | | | Aquifer producing more water. | | | | | | |
| 55 | | | Softer, faster drilling at 58.0 feet below ground surface. Producing less water. | | | | | | |
| 60 | | | Softer, faster drilling at 58.0 feet below ground surface. Producing less water. | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: B. Lary/M. Kohlbecker **DRILLING DATES:** 04/19/2004 - 05/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing Co.
 Vancouver, Washington
 4-61M-10135-L T3

AMEC Earth and Environmental
 Tel
 Fax



LOG OF BORING
RGRW-2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 | | SP | Coarse, subangular to subrounded, poorly graded SAND; saturated. Slower drilling at 64.0 feet below ground surface. Trace gravel. Producing copious amounts of water at 66.0 feet below ground surface (probably due to air being turned off). | | | | | | Casing (Schedule 80 PVC, 12.0-inch I.D.) Bentonite Chips (3/4-inch, Baroid Hole Plug) 8/12 Colorado Silica Sand (Surged During Air-Lift Development) Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.050-inch slots) |
| 65 | | | | | | | | | |
| 70 | | SW | Medium, subangular to subrounded, well-graded SAND (60%) with some coarse sand (30%), trace fine gravel (10%); saturated. Easier drilling. Coarse (80%) to medium (20%), angular to subangular, well-graded SAND; saturated. Not very productive at 78.0 feet below ground surface. Trace gravel. Hard drilling at 81.0 feet below ground surface. Easier drilling immediately below 81.0 feet below ground surface. Low water production. | | | | | | |
| 75 | | | | | | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: B. Lary/M. Kohlbecker **DRILLING DATES:** 04/19/2004 - 05/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|--|---|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-2 PAGE 3 OF 4 |
|--|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 90 | | SW | Easy drilling. Low water production. | | | | | | <p>Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.050-inch slots)</p> <p>8/12 Colorado Silica Sand (Surged During Air-Lift Development)</p> <p>Centralizer End Cap</p> <p>Slough/Heave (Fine Sand to Very Fine Gravel)</p> |
| 95 | | SP | Medium (90%) with some coarse (10%), poorly graded SAND; saturated. | | 337 | | | | |
| 100 | | SW | Medium, subrounded to subangular, well-graded SAND with trace gravel (5-10%), trace fine sand, clasts of basalt, quartz, and plagioclase feldspar; saturated. Fine SAND at 104.0 feet below ground surface. | | 364 | | | | |
| 105 | | SP | Medium to fine (50%-50%), poorly graded SAND; saturated. | | 183 | | | | |
| 110 | | | Total depth = 110.0 feet below ground surface. | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: B. Lary/M. Kohlbecker **DRILLING DATES:** 04/19/2004 - 05/11/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|---|--|--|--|
| <p>Cadet Manufacturing Co. Vancouver, Washington</p> <p>4-61M-10135-L T3</p> | <p>AMEC Earth and Environmental</p> <p>Tel Fax</p> |  | <p>LOG OF BORING RGRW-2</p> <p>PAGE 4 OF 4</p> |
|---|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt (3.0-inch layer). SILTY GRAVEL (FILL). | | | | | | Concrete Utility Vault |
| 5 | | ML | Light brown, slightly plastic CLAYEY SILT with medium sand (< 5%), some fine sand. | | | | | | Concrete |
| 10 | | | | | | | | | Casing (Schedule 80 PVC, 12.0-inch I.D.) |
| 11.5 | | SW | Change in penetration rate at 11.5 feet below ground surface. | | | | | | Bentonite Chips (3/4-inch, Baroid Hole Plug) |
| 15 | | | Dark gray, medium (60%) to coarse (30%), well-graded SAND with rounded to subrounded gravel (5%, < 1/2-inch diameter), basalt (90%) with some plagioclase feldspar and minor quartz, trace fine sand (5%). | | | | | | |
| 20 | | | Dark gray, medium (80%) to fine (18%), well-graded SAND with trace coarse sand (2%), basalt (90%) with plagioclase feldspar and quartz. Gravel fragments (> 1.0-inch diameter) present in cuttings at 21.0 feet below ground surface. | | | | | | |
| 21.0 | | SW | GRAVEL (30-50%) in cuttings below 22.0 feet below ground surface. Alternating coarse to medium sand and coarse to fine gravel layers. | | | | | | |
| 25 | | | Dark gray, medium (65%), well-graded GRAVELLY SAND with trace coarse (5%) and fine sand (5%), fine, subrounded to subangular gravel (25%, < 3/4-inch diameter). | | | | | | |
| 30 | | | | | | | | | 8/12 Colorado Silica Sand (Surged During Air-Lift Development) Centralizer Well Screen |


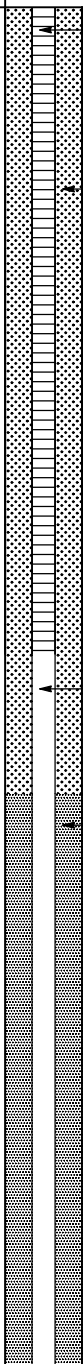

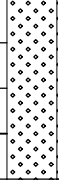
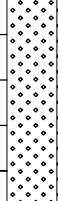
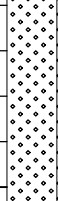
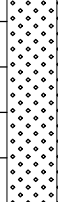
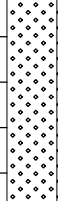
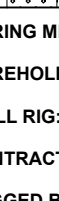
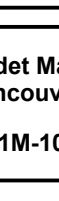
BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: M. Kohlbecker **DRILLING DATES:** 04/22/2004 - 05/05/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|--|--|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-3 PAGE 1 OF 4 |
|--|--|--|--|

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 30 |  | SW | | | | | | |  <p>Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.020-inch slots)</p> <p>8/12 Colorado Silica Sand (Surged During Air-Lift Development)</p> <p>Casing (Schedule 80 PVC, 12.0-inch I.D.)</p> <p>20/40 Colorado Silica Sand (Surged During Air-Lift Development)</p> |
| |  | GW | Coarse to fine GRAVEL layers below 32.0 feet below ground surface. Difficulty advancing through gravel. | | | | | | |
| 35 |  | | Difficulty advancing through GRAVEL at 34.0 feet and 35.0 feet below ground surface. Dark gray, coarse, rounded to subrounded, well-graded SANDY GRAVEL (60%, approximately 1.0-inch diameter), coarse sand (30%), fine and medium sand (10%). | | | | | | |
| |  | SW | Penetration rate increases at 37.0 feet below ground surface (less coarse material in cuttings). | | | | | | |
| 40 |  | | Medium (50%) to fine (25%) to coarse (25%), well-graded SAND. | | | | | | |
| |  | SW | Penetration rate decreases at 41.0 feet below ground surface. Difficulty advancing drill. Penetration rate increases at 43.0 feet below ground surface. | | | | | | |
| 45 |  | | Medium (> 30%) to fine (30%) to coarse (20%), poorly sorted GRAVELLY SAND, fine, subrounded to rounded gravel (20%, < 3/4-inch diameter). Penetration rate increases at 47.0 feet below ground surface. Less gravel in cuttings. | | | | | | |
| 50 |  | | Medium (50%) to fine (20%), poorly sorted GRAVELLY SAND, coarse, subrounded to rounded gravel (30%). Coarse GRAVEL observed in cuttings at 52.0 feet below ground surface. Penetration rate decreases dramatically at 54.0 feet below ground surface. | | | | | | |
| 55 |  | SW | Medium (70%) to coarse (10%) to fine (10%), well-graded SAND with trace gravel (10%). Significant amounts of coarse GRAVEL in cuttings from 55.0-57.5 feet below ground surface. | | | | | | |
| 60 | | | | | | | | | |

| | |
|---|--|
| BORING METHOD: Air Rotary | ELEVATION REFERENCE: NA |
| BOREHOLE DIAMETER: 16.0 (in) | GROUND SURFACE ELEVATION: NA |
| DRILL RIG: NA | CASING ELEVATION: NA |
| CONTRACTOR: Geo-Tech Explorations/Joel | START CARD/TAG ID: NA |
| LOGGED BY: M. Kohlbecker | DRILLING DATES: 04/22/2004 - 05/05/2004 |

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

Cadet Manufacturing Co.
Vancouver, Washington
4-61M-10135-L T3

AMEC Earth and Environmental

Tel
Fax

LOG OF BORING
RGRW-3

PAGE 2 OF 4

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 | | SW | Medium (70%) to coarse (10%) to fine (10%), well-graded SAND with rounded to subrounded gravel (10%). Significant GRAVEL in cuttings from 61.0-63.0 feet below ground surface. | | | | | | Casing (Schedule 80 PVC, 12.0-inch I.D.) 20/40 Colorado Silica Sand (Surged During Air-Lift Development) Bentonite Chips (3/4-inch, Baroid Hole Plug) 8/12 Colorado Silica Sand (Surged During Air-Lift Development) Centralizer Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.050-inch slots) |
| 65 | | | Medium (80%) to coarse (10%), well-graded SAND with fine, subrounded to rounded gravel (5-10%). Aquifer producing copious amounts of water at 65.0 feet below ground surface. Medium SAND observed in cuttings. Penetration rate increases at 66.5 feet below ground surface. | | | | | | |
| 70 | | | Medium (60%) to fine (20%) to coarse (20%), well-graded SAND. | | | | | | |
| 75 | | | Fine (50%) to medium (50%) with trace coarse, well-graded SAND. | | | | | | |
| 80 | | | Fine (50%) to medium (50%), well-graded SAND. | | | | | | |
| 85 | | SP | Fine (90%) to medium (10%), poorly graded SAND. | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: M. Kohlbecker **DRILLING DATES:** 04/22/2004 - 05/05/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|--|--|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-3 PAGE 3 OF 4 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 90 | | SP | Moderate production rate from 91.0-93.0 feet below ground surface. | | | | | | <p>Well Screen (Schedule 80 PVC, 12.0-inch I.D. with 0.050-inch slots)</p> <p>8/12 Colorado Silica Sand (Surged During Air-Lift Development)</p> <p>End Cap</p> <p>Hard Slough (Sand/Gravel)</p> |
| | | SW | Becomes gravelly. Slower penetration rate at 92.0 feet below ground surface. | | | | | | |
| 95 | | GW | Lower water production and very hard drilling at 94.0 feet below ground surface. (Drilling through boulder.) Increase in water production at 94.25 feet below ground surface. Fine (40%) to medium (40%) to coarse (20%) GRAVELLY SAND with silt and clay (5%). | | | | | | |
| 100 | | GW | Fine (60%) to coarse (20%), angular to subangular SANDY GRAVEL with some cobble-size clasts consisting of basalt with other lithics (40%, quartzite, altered volcanics, granite, and sandstone) - Troutdale Formation (TGA). Water production up to approximately 250 gpm. Water is clear. Grades to moderately cemented at 100.0 feet below ground surface. | | | | | | |
| | | | Total depth = 101.1 feet below ground surface. | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

BORING METHOD: Air Rotary **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: NA **CASING ELEVATION:** NA
CONTRACTOR: Geo-Tech Explorations/Joe **START CARD/TAG ID:** NA
LOGGED BY: M. Kohlbecker **DRILLING DATES:** 04/22/2004 - 05/05/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character/resistance and visual observations of return drill cuttings.

ENVR+WELL-BORING 4-61M-10135-L T3.GPJ AMEC PORTLAND.GDT 4/3/07


| | | | |
|--|--|--|--|
| Cadet Manufacturing Co. Vancouver, Washington 4-61M-10135-L T3 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-3 PAGE 4 OF 4 |
|--|--|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Asphalt (1.5-inch layer) underlain by base coarse GRAVEL (FILL, 2.0-inch layer). | | | | | | Concrete Utility Vault (5.0 Feet) |
| | | ML | Medium stiff, brown CLAYEY SILT with trace organics (1-5% rootlets, plant debris), moderately plastic; moist. | | | | | | |
| 5 | | | | | | | | | |
| | | | Medium stiff, brown SILT with some clay, low plasticity; moist. | | | | | | Bentonite Chips |
| 10 | | | | | | | | | Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness) |
| | | SM | | | | | | | |
| 15 | | | | | | | | | |
| | | | Loose to medium dense, light brown, fine, poorly graded SILTY SAND; moist. | | | | | | 20/40 Colorado Silica Sand |
| 20 | | | | | | | | | 8/12 Colorado Silica Sand |
| | | ML | | | | | ▼ | | |
| | | | Harder drilling at 23.0 feet below ground surface. | | | | ▽ | | |
| | | SM-SW | Dense, gray, fine to coarse, well-graded SILTY GRAVELLY SAND (40%), gravel (30%), silt (30%); wet. | | | | | | Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.020-inch slots) |
| 25 | | | | | | | | | |
| | | SP | Dense, gray, coarse, poorly graded GRAVELLY SAND (55-60%), gravel (30-40%), trace medium to fine sand and silt (approximately 10%). | | | | | | |
| 30 | | | | | | | | | |
| | | GW | Becomes gravelly. | | | | | | |

BORING METHOD: Dual Rotary Air **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Formost DR24 **CASING ELEVATION:** NA
CONTRACTOR: Boart Longyear/Geo-Tech **START CARD/TAG ID:** RE01063/ALB972
LOGGED BY: J. Fassio **DRILLING DATES:** 11/06/2004 - 12/18/2004

REMARKS:
 Conventional Circulation

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| | | | |
|---|-------------------------------------|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental |  | LOG OF BORING RGRW-4 PAGE 1 OF 4 |
| | Tel Fax | | |

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | GW | Very dense, gray, fine to coarse, well-graded GRAVEL (70-75%) with some sand (25%), trace silt, quartzite and chert clasts (10-15%), basaltic gravel (85%). | | | | | | <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.020-inch slots)</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>20/40 Colorado Silica Sand</p> |
| 35 | | | Easier drilling at 35.0 feet below ground surface. | | | | | | |
| 40 | | SP | Medium dense to dense, coarse, poorly graded SAND (70%) with some fine gravel (15-20%), trace fine to medium sand; wet. | | | | | | |
| 45 | | GW | Dense, gray, fine to coarse, angular to rounded, well-graded SANDY GRAVEL (60-75%), sand (25-40%). Variable sand and gravel content; appears to be layered sand and gravel. | | | | | | |
| 50 | | | | | | | | | |
| 55 | | SW | Medium dense to dense, gray, medium to coarse, well-graded GRAVELLY SAND (60%), gravel (40%). | | | | | | |
| 60 | | GW | Harder drilling at 59.5 feet below ground surface. | | | | | | |

BORING METHOD: Dual Rotary Air **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Formost DR24 **CASING ELEVATION:** NA
CONTRACTOR: Boart Longyear/Geo-Tech **START CARD/TAG ID:** RE01063/ALB972
LOGGED BY: J. Fassio **DRILLING DATES:** 11/06/2004 - 12/18/2004

REMARKS:
Conventional Circulation

Cadet Manufacturing
4-61M-10135

AMEC Earth and Environmental
Tel
Fax



**LOG OF BORING
RGRW-4**
PAGE 2 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GW | Dense to very dense, gray, fine to coarse, well-graded SANDY GRAVEL, coarse sand, trace silt. | | | | | | <p>20/40 Colorado Silica Sand</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>Bentonite Chips</p> <p>20/40 Colorado Silica Sand</p> <p>Natural Sand Pack</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.050-inch slots)</p> |
| | | SP | Dense, gray, coarse, poorly graded SAND, some gravel (15-20%), trace silt. | | | | | | |
| 65 | | GW | Dense, gray, fine to coarse, well-graded, subangular to subrounded SANDY GRAVEL (50-60%), sand (40-50%), trace silt (1%). | | | | | | |
| 70-75 | | GW | <p>Harder drilling at 74.0 feet below ground surface due to cobbles and boulders. Water production increases dramatically.</p> <p>Sand becomes fine to coarse, well-graded.</p> <p>Water production decreases from 77.0-79.0 feet below ground surface.</p> | | | | | | |
| 75-80 | | GW | <p>Harder drilling at 79.0 feet below ground surface. Water production increases.</p> <p>Dense to very dense, gray, fine to coarse, subangular to subrounded GRAVEL, some to trace coarse sand, occasional cobble layers, predominately basaltic clasts (80-85%), other lithics (15-20%).</p> | | | | | | |
| 80-85 | | GW | <p>Easier drilling at 84.5-86.0 feet below ground surface.</p> <p>Water production increases dramatically at 85.0 feet below ground surface. Produced water at rate of 300 gpm from 85.0-90.0 feet below ground surface.</p> <p>Harder drilling at 86.0 feet below ground surface.</p> | | | | | | |
| 85-90 | | GW | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01063/ALB972 DRILLING DATES: 11/06/2004 - 12/18/2004 | REMARKS: Conventional Circulation |
|---|--|---|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-4 PAGE 3 OF 4 |
|---|---|--|--|


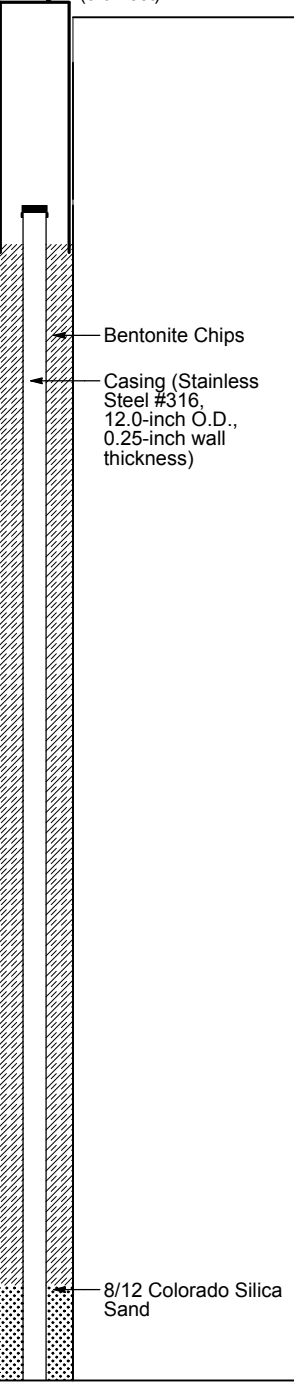


ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 90 | | GW | | | | | | | <p>Natural Sand Pack</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.050-inch slots)</p> <p>End Cap</p> |
| 95 | | | COBBLES at 103.0 feet below ground surface. | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | Total depth = 105.0 feet below ground surface. | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01063/ALB972 DRILLING DATES: 11/06/2004 - 12/18/2004 | REMARKS: Conventional Circulation |
|---|--|---|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-4 PAGE 4 OF 4 |
|---|---|--|--|

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| 0 DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---------------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt (2.0-inch layer) underlain by dense SILTY SANDY GRAVEL (FILL); moist. | | | | | |  <p>Concrete Utility Vault (5.0 Feet)</p> <p>Bentonite Chips</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>8/12 Colorado Silica Sand</p> |
| | | ML | Medium stiff, dark brown SILT with some clay, trace fine sand and gravel; moist. | | | | | | |
| 5 | | | | | | | | | |
| 10 | | | Trace clay at 10.0 feet below ground surface. | | | | | | |
| 15 | | SM | Medium dense, light brown, very fine, poorly graded SAND with some silt; moist. | | | | | | |
| 20 | | | Poor cutting return, driller used water at pumping rate of 30 gpm from 15.0-20.0 feet below ground surface. | | | | | | |
| 25 |  | SW | Dense, gray, fine to coarse, well-graded GRAVELLY SAND (55-60%), gravel (30-35%), trace silt (10%). | | | | | | |
| 27 |  | GW | Harder drilling at 27.0 feet below ground surface. | | | | | | |
| 30 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01130/ALB723 DRILLING DATES: 01/26/2005 - 02/04/2005 | REMARKS: Conventional Circulation |
|---|--|---|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-5 PAGE 1 OF 4 |
|---|---|--|--|

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GW | Very dense, gray, fine to coarse, well-graded SANDY GRAVEL (50-55%), medium to coarse sand (35-40%), some cobbles and trace silt (5-10%). | | | | | | |
| 35 | | | Boulder or large cobble at 35.0 feet below ground surface. | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | Gravel content increases to 60% at 45.0 feet below ground surface. | | | | | | |
| 50 | | SW | Very dense, gray, fine to coarse, well-graded SAND with trace gravel and cobbles. | | | | | | |
| 55 | | GW | Very dense, gray, fine, well-graded SANDY GRAVEL (60%), medium to coarse sand (20%), non-volcanic lithic clasts (quartzite, chert, metamorphics, granite, 10-15%), silt and clay (< 5%), trace cobbles and coarse gravel. | | | | | | |
| 60 | | | Larger cobbles or boulder at 54.5 feet below ground surface. Low cutting return at 55.0-60.0 feet below ground surface. | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01130/ALB723 DRILLING DATES: 01/26/2005 - 02/04/2005 | REMARKS: Conventional Circulation |
|---|--|---|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-5 PAGE 2 OF 4 |
|---|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 60 | | GW | | | | | | | <p>20/40 Colorado Silica Sand</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>Bentonite Chips (3/8-inch)</p> <p>20/40 Colorado Silica Sand</p> <p>8/12 Colorado Silica Sand</p> <p>Centralizer</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.050-inch slots)</p> |
| | | SW | Easier drilling at 63.0-65.0 feet below ground surface. | | | | | | |
| 65 | | GW | Dense, gray, fine to coarse, well-graded GRAVELLY SAND (65%), gravel (30%), trace cobbles and silt (5-10%). | | | | | | |
| | | GW | Drilling without water from 67.0-75.0 feet below ground surface. | | | | | | |
| 70 | | GW | Very dense, gray, fine to coarse, well-graded SANDY GRAVEL (50%), fine to coarse sand (40%), trace cobbles and silt (10%). | | | | | | |
| 75 | | GW | Gravel content increases to 70%; higher coarse gravel content (30% coarse, 70% fine). | | | | | | |
| 80 | | SW | Easier drilling at 81.0 feet below ground surface. | | | | | | |
| 85 | | GW | Medium dense, gray, fine to coarse, well-graded SAND with some fine to coarse, rounded to subrounded gravel (25%), non-volcanic lithic clasts (quartzite, metamorphics, granite, 10-15%), trace silt and clay. | | | | | | |
| 90 | | | | | | | | | |

| | |
|--|--|
| BORING METHOD: Dual Rotary Air | ELEVATION REFERENCE: NA |
| BOREHOLE DIAMETER: 16.0 (in) | GROUND SURFACE ELEVATION: NA |
| DRILL RIG: Formost DR24 | CASING ELEVATION: NA |
| CONTRACTOR: Boart Longyear/Geo-Tech | START CARD/TAG ID: RE01130/ALB723 |
| LOGGED BY: J. Fassio | DRILLING DATES: 01/26/2005 - 02/04/2005 |

REMARKS:
Conventional Circulation

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing
4-61M-10135

AMEC Earth and Environmental
Tel
Fax



**LOG OF BORING
RGRW-5**

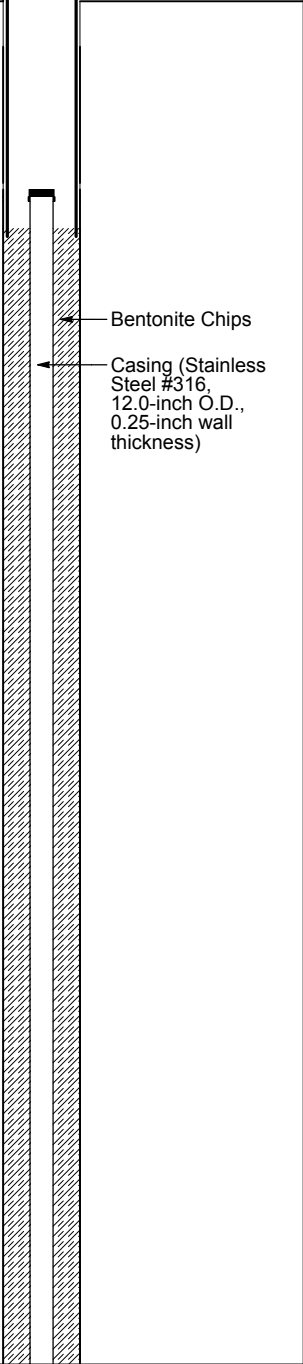
PAGE 3 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 90 | | SW | Gravel content decreases to 10-15% (trace). Silt content increases to 15-20%. | | | | | | |
| 95 | | | Fine to medium SAND with gravel (5-10%). | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | Total depth = 102.0 feet below ground surface. | | | | | | |
| 110 | | | | | | | | | |
| 115 | | | | | | | | | |
| 120 | | | | | | | | | |

| | | |
|---|--|---|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01130/ALB723 DRILLING DATES: 01/26/2005 - 02/04/2005 | REMARKS: Conventional Circulation |
|---|--|---|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-5 PAGE 4 OF 4 |
|---|---|--|--|

| 0 DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---------------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | ML | Asphalt (2.0-inch layer). Medium stiff to stiff, brown CLAYEY SILT with some coarse, subrounded to rounded gravel and cobbles, trace fine sand; moist to dry. | | | | | |  |
| 5 | | | | | | | | | |
| 10 | | | | | | | | | |
| 15 | | SM | Dense, brown, fine, well-graded SILTY SAND with some subrounded to rounded gravel. | | | | | | |
| 20 | | | Dense, gray, medium to coarse, well-graded SAND with some subrounded to subangular gravel (10%) and silt. | | | | | | |
| 25 | | GW | Very dense, fine to coarse, well-graded SANDY GRAVEL (50-55%), coarse to medium sand (30-35%), trace silt (5-10%). | | | | | | |
| 27.0-30.0 | | SW | Easier drilling from 27.0-30.0 feet below ground surface. Dense, medium to coarse, well-graded SAND with trace gravel. | | | | | | |

BORING METHOD: Dual Rotary Air **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Formost DR24 **CASING ELEVATION:** NA
CONTRACTOR: Boart Longyear/Geo-Tech **START CARD/TAG ID:** RE01066/ALB974
LOGGED BY: J. Fassio **DRILLING DATES:** 10/28/2004 - 11/09/2004

REMARKS:
 Conventional Circulation
 Cleared hole with air knife from 0.0-5.0 feet below ground surface. Driller had to use water to prevent clogging in discharge hose above water table.

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing
 4-61M-10135

AMEC Earth and Environmental
 Tel
 Fax



LOG OF BORING
RGRW-6
 PAGE 1 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GW | Dense, gray, fine to coarse, well-graded SANDY GRAVEL (55-65%), coarse to medium sand (25-30%), trace silt (5-20%). | | | | | | |
| 35 | | GM | Stiff, gray GRAVELLY SILT. (Low cuttings return). | | | | ▼ | | |
| 40 | | SP | Dense, gray, coarse, poorly graded SAND with trace gravel (5-10%) and silt. | | | | | | |
| 45 | | GW | Very dense, gray, fine to coarse, subrounded to subangular, well-graded SANDY GRAVEL (55-60%), medium to coarse sand (40%), trace silt, basaltic clasts (80%), exotic clasts (quartzite, other metamorphic rocks, igneous clasts, 20%). | | | | | | |
| 55 | | | Gravel content decreases to 45-50% at 55.0 feet below ground surface. | | | | | | |

| | | |
|---|--|--|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01066/ALB974 DRILLING DATES: 10/28/2004 - 11/09/2004 | REMARKS: Conventional Circulation Cleared hole with air knife from 0.0-5.0 feet below ground surface. Driller had to use water to prevent clogging in discharge hose above water table. |
|---|--|--|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-6 PAGE 2 OF 4 |
|---|---|--|--|

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 60 | | GW | Gravel becomes predominately fine at 60.0 feet below ground surface. Low water production. | | | | | | <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.020-inch slots)</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>20/40 Colorado Silica Sand</p> |
| 65 | | SW | Dense, gray, medium to coarse, well-graded SAND with some fine, rounded to subrounded gravel (20-30%) and trace silt. | | | | | | |
| 70 | | | Fine sand content increases at 70.0 feet below ground surface. | | | | | | |
| 75 | | SW-SM | Medium to dense (based on drilling rate), fine to medium, well-graded GRAVELLY SAND, predominately fine, rounded to subrounded gravel (40%), some silt (10-15%). | | | | | | |
| 80 | | GW | Slower drilling from 78.0-82.5 feet below ground surface. Very dense, dark gray, fine to coarse, subangular to subrounded SANDY GRAVEL with large cobbles, coarse sand (25-30%). | | | | | | |
| 85 | | SW | Easier drilling at 82.5 feet below ground surface. Dense, gray, medium to coarse, well-graded SAND with some gravel (15-25%) and trace silt. Water production increases from 85.0-90.0 feet below ground surface. Low cuttings return at 88.0-92.0 feet below ground surface. | | | | | | |

| | | |
|---|--|--|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01066/ALB974 DRILLING DATES: 10/28/2004 - 11/09/2004 | REMARKS: Conventional Circulation Cleared hole with air knife from 0.0-5.0 feet below ground surface. Driller had to use water to prevent clogging in discharge hose above water table. |
|---|--|--|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-6 PAGE 3 OF 4 |
|---|---|--|--|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|------------------------|------------------------|-------------|------------------------------|----------------|
| 90 | | SW | Water production decreases at 90.0 feet below ground surface. | | | | | | |
| 95 | | GW | Dense, gray, fine to coarse, subrounded to rounded GRAVEL (65-70%), some sand (25%) and trace silt (5-15%). | | | | | | |
| 100 | | SW | Dense, gray, fine to coarse, well-graded SAND with some gravel (25-30%) and trace silt. | | | | | | |
| 105 | | GW | Harder drilling at 106.0 feet below ground surface. Very dense, gray, well-graded SANDY GRAVEL (50-60%), trace silt and cobbles, exotic clasts (quartzite, metamorphic rocks, and granitic clasts, 40-50%). | | | | | | |
| 110 | | SW | Harder drilling at 106.0 feet below ground surface. Very dense, gray, well-graded SANDY GRAVEL (50-60%), trace silt and cobbles, exotic clasts (quartzite, metamorphic rocks, and granitic clasts, 40-50%). | | | | | | |
| 120 | | SW | Harder drilling at 106.0 feet below ground surface. Very dense, gray, well-graded SANDY GRAVEL (50-60%), trace silt and cobbles, exotic clasts (quartzite, metamorphic rocks, and granitic clasts, 40-50%). | | | | | | |
| | | | Total depth = 120.3 feet below ground surface. | | | | | | End Cap |

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| | |
|-------------------------------------|---|
| BORING METHOD: Dual Rotary Air | ELEVATION REFERENCE: NA |
| BOREHOLE DIAMETER: 16.0 (in) | GROUND SURFACE ELEVATION: NA |
| DRILL RIG: Formost DR24 | CASING ELEVATION: NA |
| CONTRACTOR: Boart Longyear/Geo-Tech | START CARD/TAG ID: RE01066/ALB974 |
| LOGGED BY: J. Fassio | DRILLING DATES: 10/28/2004 - 11/09/2004 |

REMARKS:
Conventional Circulation
Cleared hole with air knife from 0.0-5.0 feet below ground surface. Driller had to use water to prevent clogging in discharge hose above water table.

Cadet Manufacturing
4-61M-10135

AMEC Earth and Environmental
Tel
Fax



LOG OF BORING
RGRW-6
PAGE 4 OF 4

| 0 DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---------------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | | Asphalt (1.5-inch layer) underlain by base coarse GRAVEL (FILL, 3.0-inch layer). | | | | | | |
| 0-5 | | ML | Medium stiff, brown SANDY SILT with some clay, low plasticity; dry to moist. Stiff, brown SILT with some clay, low plasticity; moist. | | | | | | |
| 5-20 | | GM | Low cuttings return and no samples from 6.0-15.0 feet below ground surface. Silt sticking on bit or plugging discharge. | | | | | | |
| 20-25 | | GM | Medium dense to dense, gray, fine to coarse, subrounded to subangular SILTY GRAVEL (50-55%), silt (30%), some sand (20%) and trace clay (5%); saturated. | | | | | | |
| 25-30 | | GW | Silt content decreases. Dense, gray, fine, rounded to subangular, well-graded SANDY GRAVEL (50-60%), gravel clasts (quartzite, chert, and metamorphic rocks, 20-35%), sand (40%), silt (10%), trace clay. Harder drilling at 27.0-30.0 feet below ground surface due to cobbles and boulders. | | | | | | |

BORING METHOD: Dual Rotary Air **ELEVATION REFERENCE:** NA
BOREHOLE DIAMETER: 16.0 (in) **GROUND SURFACE ELEVATION:** NA
DRILL RIG: Formost DR24 **CASING ELEVATION:** NA
CONTRACTOR: Boart Longyear/Geo-Tech **START CARD/TAG ID:** RE01065/ALB973
LOGGED BY: J. Fassio **DRILLING DATES:** 11/04/2004 - 11/16/2004

REMARKS:
 Conventional Circulation
 Cleared hole with air knife from 0.0-5.0 feet below ground surface.

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

Cadet Manufacturing
 4-61M-10135

AMEC Earth and Environmental
 Tel
 Fax



LOG OF BORING
RGRW-7
 PAGE 1 OF 4

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 30 | | SW | Medium dense to dense, medium to coarse, well-graded GRAVELLY SAND (65%), gravel (30-35%), trace silt (5%). | | | | | | <p>8/12 Colorado Silica Sand</p> <p>Well Screen (Stainless Steel #316, 12.0-inch O.D. with 0.020-inch slots)</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>20/40 Colorado Silica Sand</p> |
| 35 | | GP | Medium dense to dense, fine to coarse GRAVEL (75%), some coarse to fine sand (15-20%), silt (<5%). | | | | | | |
| 40 | | SP | Medium dense, gray, coarse, poorly graded SAND with some fine, rounded to subangular gravel (10-15%) and trace medium and fine sand. | | | | | | |
| 45 | | SW | Dense to very dense, gray, medium to coarse, well-graded GRAVELLY SAND, fine to coarse gravel (40%), cobbles and trace silt. Harder drilling from 45.0-49.0 feet below ground surface. | | | | | | |
| 50 | | SP | Gravel content decreases. | | | | | | |
| 55 | | SP | Medium dense, gray, coarse, poorly graded SAND with trace gravel. | | | | | | |
| 60 | | GW | Dense, gray, fine to coarse, rounded to subangular, well-graded SANDY GRAVEL (60-65%) with trace silt. | | | | | | |

| | | |
|---|--|--|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01065/ALB973 DRILLING DATES: 11/04/2004 - 11/16/2004 | REMARKS: Conventional Circulation Cleared hole with air knife from 0.0-5.0 feet below ground surface. |
|---|--|--|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-7 PAGE 2 OF 4 |
|---|---|--|--|

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|------------------------|------------------------|-------------|------------------------------|---|
| 60 | | GW | | | | | | | <p>20/40 Colorado Silica Sand</p> <p>Casing (Stainless Steel #316, 12.0-inch O.D., 0.25-inch wall thickness)</p> <p>Bentonite Chips</p> |
| 65 | | SW | Medium dense to loose, gray, medium to coarse, well-graded SAND with some fine to coarse gravel (25%), trace silt and fine sand. | | | | | | |
| 70 | | SW | Silt and fine sand content increases; faster drilling at 70.0 feet below ground surface. Loose, gray, fine to medium, well-graded SAND with some fine to coarse gravel (10-15%) and silt. | | | | | | |
| 75 | | SP | Loose, gray, fine, poorly graded SAND with some silt (10%), trace gravel (5%) and medium to coarse sand. | | | | | | |
| 85 | | | <p>Silt content increases to 15% at 85.0 feet below ground surface.</p> <p>Gravel content decreases from 88.0-91.0 feet below ground surface.</p> | | | | | | |

| | | |
|---|--|--|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01065/ALB973 DRILLING DATES: 11/04/2004 - 11/16/2004 | REMARKS: Conventional Circulation Cleared hole with air knife from 0.0-5.0 feet below ground surface. |
|---|--|--|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax | | LOG OF BORING RGRW-7 PAGE 3 OF 4 |
|---|---|--|--|

ENVR+WELL-BORING 4-61M-10135-RGRW 2004.GPJ AMEC PORTLAND.GDT 4/3/07

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|------------------------|------------------------|-------------|------------------------------|----------------|
| 90 | | SP | | | | | | | |
| | | SP-GP | Loose to medium dense, brown, fine, poorly graded GRAVELLY SAND, fine to coarse gravel (approximately 30%) and trace silt (10-15%). | | | | | | |
| 95 | | | Water production increases at 95.0 feet below ground surface. | | | | | | |
| | | GW | Medium dense to dense, gray, fine, rounded to subrounded, well-graded SANDY GRAVEL (60-65%), coarse to medium sand (45-50%), basalt/volcanic clasts (80%), other lithics (quartzite, chert, igneous clasts, 20%), trace silt (< 5%). | | | | | | |
| | | | Water production decreases from 99.0-108.0 feet below ground surface. | | | | | | |
| 100 | | | Harder drilling at 102.0 feet below ground surface. Gravel content increases. | | | | | | |
| | | GW | Very dense, gray, fine to coarse, subrounded to subangular, poorly graded GRAVEL (65%) with some fine to coarse sand (30-35%), silt (40%), trace cobbles. | | | | | | |
| | | | Non-volcanic clasts (quartzite, chert, igneous) increase to 30-40%. | | | | | | |
| | | | Water production increases from 108.0-115.0 feet below ground surface. | | | | | | |
| 105 | | | Harder drilling at 102.0 feet below ground surface. Gravel content increases. | | | | | | |
| | | GW | Very dense, gray, fine to coarse, subrounded to subangular, poorly graded GRAVEL (65%) with some fine to coarse sand (30-35%), silt (40%), trace cobbles. | | | | | | |
| | | | Non-volcanic clasts (quartzite, chert, igneous) increase to 30-40%. | | | | | | |
| | | | Water production increases from 108.0-115.0 feet below ground surface. | | | | | | |
| 110 | | | Total depth = 115.0 feet below ground surface. | | | | | | |
| 115 | | | | | | | | | |

| | | |
|---|--|--|
| BORING METHOD: Dual Rotary Air BOREHOLE DIAMETER: 16.0 (in) DRILL RIG: Formost DR24 CONTRACTOR: Boart Longyear/Geo-Tech LOGGED BY: J. Fassio | ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: RE01065/ALB973 DRILLING DATES: 11/04/2004 - 11/16/2004 | REMARKS: Conventional Circulation Cleared hole with air knife from 0.0-5.0 feet below ground surface. |
|---|--|--|

| | | | |
|---|---|--|--|
| Cadet Manufacturing 4-61M-10135 | AMEC Earth and Environmental Tel Fax |  | LOG OF BORING RGRW-7 PAGE 4 OF 4 |
|---|---|--|--|

SOIL GAS WELLS

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 - 20 | | | Brown SANDY SILT to SILTY SAND; moist to dry. | | | | | | Hydrated Bentonite Chips |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 20 | | | Total depth = 20.0 feet below ground surface. | | | | | | |
| 25 | | | | | | | | | |

ENVR+WELL_BORINGS REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:

BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA

DRILL RIG: CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT807

LOGGED BY: B. Lary DRILLING DATES: 1/19/2004 - 1/19/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-61M-10135-J T5


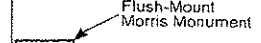
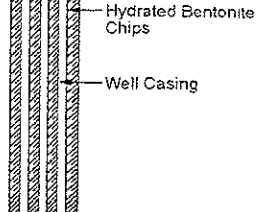
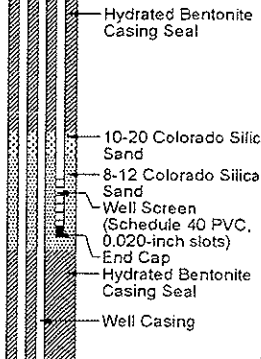
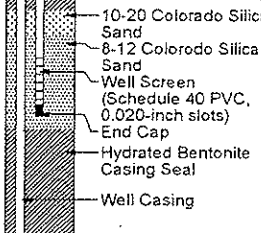
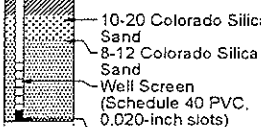
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-1
PAGE 1 OF 1


AMEC 10263

0-10
1-10
2-10


| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt underlain by GRAVEL FILL (base course). | | | | | |  |
| 0 - 11.5 | | | Brown SANDY SILT; dry. | | | | | |  |
| 11.5 - 18.5 | | | SILTY SAND; moist. | | | | | |  |
| 18.5 - 20.0 | | | Wet? | | | | | |  |
| 20.0 - 25.0 | | | Total depth = 20.0 feet below ground surface. | | | | | |  |

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
 BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT808
 LOGGED BY: B. Lary DRILLING DATES: 1/19/2004 - 1/19/2004

REMARKS:
 No discrete soil samples collected. Lithology logged by drilling character and resistance.

| | | | |
|---|--|---|---|
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  | LOG OF BORING SG-2 PAGE 1 OF 1 AMEC 10264 |
|---|--|---|---|

ENVIR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC-PORTLAND_JUNE03.GDT 10/26/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | | |
|--|-------------|-------------|---|--|---------------------------|---------------------------|-------------|---|---|--------------------------------------|--|
| 0 | | | Asphalt (approximately 3/4-inch layer) underlain by brown-gray, rounded, well-graded GRAVEL FILL (base course); dry SILT. | | | | | | Flush-Mount Morris Monument | | |
| 0-5 | | ML | Soft, medium reddish brown SILT, some clay; dry. | | 0.0 | | | | Hydrated Bentonite Chips Well Casing Hydrated Bentonite Casing Seal | | |
| 5-10 | | | Soft, medium reddish brown SILT, flecks of mica; dry. | | 0.0 | | | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap Hydrated Bentonite Casing Seal Well Casing | | |
| 10-15 | | | Soft, medium red-brown SILT, flecks of mica; dry. | | | | | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap Hydrated Bentonite Casing Seal Well Casing | | |
| 15-20 | | | Total depth = 20.0 feet below ground surface. | | | | | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap | | |
| 20-25 | | | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT804 LOGGED BY: T. Johnson DRILLING DATES: 1/16/2004 - 1/16/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | | | | | | | |
| Cadet Manufacturing, inc. 4-61M-10135-J T5 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  | | LOG OF BORING SG-3 PAGE 1 OF 1 | |

ENVR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 10/28/04

AMEC 10265

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 0 | | ML | Asphalt (1.0-inch layer) underlain by rounded, well-sorted GRAVEL Fill (base course). SILT. | | | | | | |
| 5 | | | Brown SILT, flecks of mica; dry. | | | 1.7 | | | |
| 10 | | | Brown SILT, flecks of mica; dry. SILT; damp. | | | 0.0 0.2 | | | |
| 15 | | | Brown SILT; damp. | | | | | | |
| 20 | | GW | GRAVEL in silt matrix encountered at 19.0 feet below ground surface. Total depth = 20.0 feet below ground surface. | | | 4.1 | | | |
| 25 | | | | | | | | | |


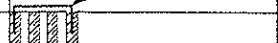





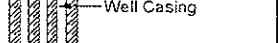





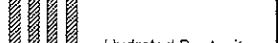

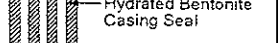



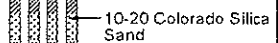

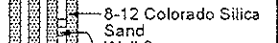

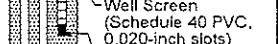

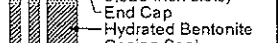

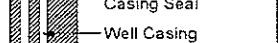

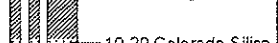

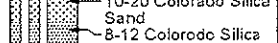

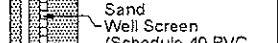

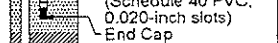

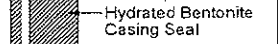

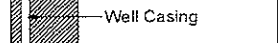

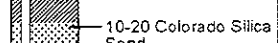

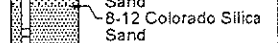

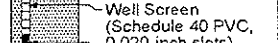

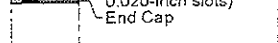




ENVR-WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND_JUNE03.GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT806
LOGGED BY: T. Johnson DRILLING DATES: 1/16/2004 - 1/16/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

| | | | |
|---|--|--|--|
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING SG-4 PAGE 1 OF 1 |
|---|--|--|--|

AMEC 10266

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|---|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt (approximately 1.0-inch layer) underlain by brown to gray, well-rounded, well-graded GRAVEL FILL (base course). | | | | | |  |
| |  | GC | Dark gray, well-graded GRAVEL. | | | | | |  |
| |  | ML-SM | Dark gray SILT. | | | | | |  |
| 5 |  | | Medium stiff, tan-brown SILTY CLAY. | | | 0.0 | | |  |
| |  | | Soft, medium reddish brown SILT, some clay; moist. | | | | | |  |
| |  | | Medium stiff, brown SILT to very fine SANDY SILT. | | | | | |  |
| 10 |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | 0.0 | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| |  | | | | | | | |  |
| 20 | | | Total depth = 20.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT802
LOGGED BY: T. Johnson DRILLING DATES: 1/15/2004 - 1/15/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 820-7892



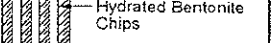




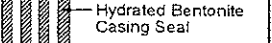


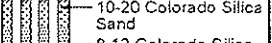
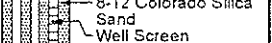
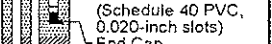
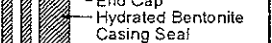
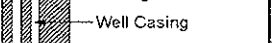
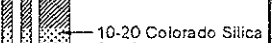
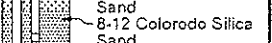
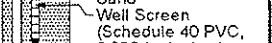
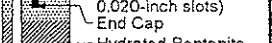
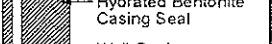
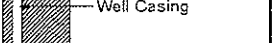
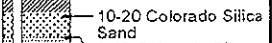
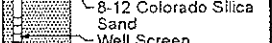
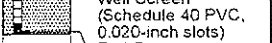
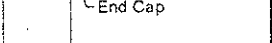






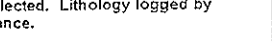

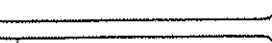

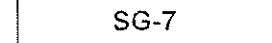
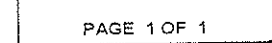







LOG OF BORING
SG-5

AMEC 10267

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|--|-------------|-------------|--|--|---------------------------|---------------------------|-------------|--|---|-----------------------|
| 0 | | | Asphalt (approximately 1.0-inch layer) underlain by brown to dark brown, well-graded GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument | |
| 0 - 17.0 | | ML | SILT. Brown SILT, flecks of mica; dry. | | | 0.0 | | | Hydrated Bentonite Chips Well Casing Hydrated Bentonite Casing Seal | |
| 17.0 - 19.0 | | | SILT. | | | 0.0 | | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap Hydrated Bentonite Casing Seal Well Casing | |
| 19.0 - 20.0 | | GC | Medium dense, brown, rounded GRAVEL (0.5-2.0 inch diameter, 20%) with silt matrix (80%). PID reads 9.2 ppm on cuttings and approximately 200 ppm from open borehole at 17.0 feet below ground surface. PID slowly climbs - strange response, using filter but bentonite chip dust in air - no odor detected. Average ambient air = 0.1 ppm. | | | 9.2 | | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap Hydrated Bentonite Casing Seal Well Casing | |
| 20.0 - 20.0 | | | Total depth = 20.0 feet below ground surface. | | | | ▽ | | 10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 0.020-inch slots) End Cap | |
| BORING METHOD: Hollow Stem Auger | | | | ELEVATION REFERENCE: | | | | REMARKS: | | |
| BOREHOLE DIAMETER: 12.0 (in) | | | | GROUND SURFACE ELEVATION: NA | | | | No discrete soil samples collected. Lithology logged by drilling character and resistance. | | |
| DRILL RIG: | | | | CASING ELEVATION: NA | | | | | | |
| CONTRACTOR: Geo-Tech Explorations/Arturo | | | | START CARD/TAG ID: R64586/AKT805 | | | | | | |
| LOGGED BY: T. Johnson | | | | DRILLING DATES: 1/16/2004 - 1/16/2004 | | | | | | |
| Cadet Manufacturing, Inc. | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | amec | | LOG OF BORING SG-6 |
| 4-61M-10135-J T5 | | | | | | | | AMEC 10268 | | PAGE 1 OF 1 |

ENVR+WELL BORING REV2 4-61M-10135-J.T5.GPJ AMEC PORTLAND JUNE03 GDT 10/28/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|---|---|-------------|--|--|---------------------------|-------------------------------|-------------|------------------------------------|---|
| 0 |  | | Asphalt underlain by GRAVEL FILL (base course). | | | | | |  |
| | | | Brown SANDY SILT, dry. | | | | | |  |
| | | | Grades to SILTY SAND. | | | | | |  |
| 5 | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| 20 | | | SANDY GRAVEL; dry. COBBLE? Total depth = 20.0 feet below ground surface. | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| | | | | | | | | |  |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT811 LOGGED BY: B. Lary DRILLING DATES: 1/20/2004 - 1/20/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | | | | | |
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | |
| | | | |  | | LOG OF BORING SG-7 | | | |
| | | | | AMEC 10269 | | PAGE 1 OF 1 | | | |

ENVR+WELL BORING REV2 4-61M-10135-J T5 GP.J AMEC PORTLAND JUNE03.GDT 10/28/04

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (1.0-inch layer) underlain by well-graded GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 - 1.0 | | SM | Brown SANDY SILT. | | | 0.0 | | | Hydrated Bentonite Chips |
| 1.0 - 13.0 | | | Medium stiff, brown SANDY SILT to SILT, flecks of mica, slight increase in fines. Slightly damper. | | | 0.0 | | | Well Casing |
| 13.0 - 17.0 | | ML | Brown SILT, very damp. | | | 0.0 | | | Hydrated Bentonite Casing Seal |
| 17.0 - 20.0 | | | Brown SILT. | | | 0.0 | | | 10-20 Colorado Silica Sand |
| 20.0 - 25.0 | | | Total depth = 20.0 feet below ground surface. | | | 0.0 | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Bentonite Casing Seal |
| | | | | | | | | | Well Casing |
| | | | | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Bentonite Casing Seal |
| | | | | | | | | | Well Casing |
| | | | | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |

ENR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03 GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT803
LOGGED BY: T. Johnson DRILLING DATES: 1/15/2004 - 1/15/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-8

AMEC 10270

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 - 5 | | | Brown SANDY SILT with some gravel; dry to moist. | | | | | | Hydrated Bentonite Chips |
| 5 - 10 | | | Brown SANDY SILT, trace clay; moist. | | | | | | Well Casing |
| 10 - 15 | | | Brown SANDY SILT to SILTY SAND with some gravel; dry to moist. | | | | | | Hydrated Bentonite Casing Seal |
| 15 - 20 | | | Harder drilling, increasing GRAVEL sounds. | | | | | | 10-20 Colorado Silica Sand |
| 20 - 25 | | | Total depth = 20.0 feet below ground surface. | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Bentonite Casing Seal |
| | | | | | | | | | Well Casing |
| | | | | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Bentonite Casing Seal |
| | | | | | | | | | Well Casing |
| | | | | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |

ENR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC-PORTLAND-JUNE03.GDT 12/1/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT814
LOGGED BY: B. Peterson DRILLING DATES: 1/22/2004 - 1/22/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-61M-10135-J T5


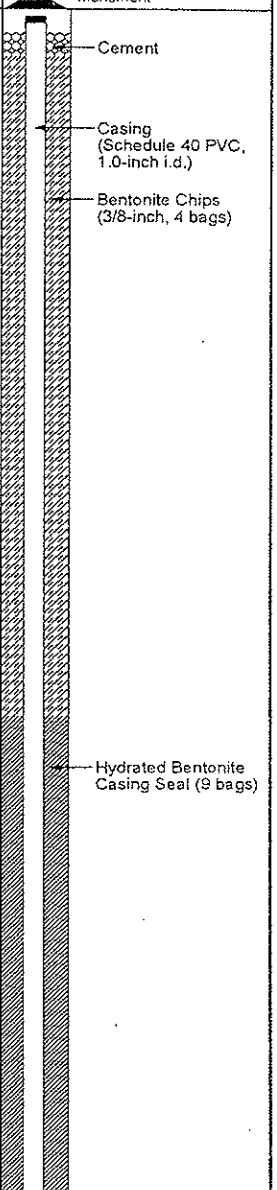
AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



AMEC 10271

LOG OF BORING
SG-9

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|---|-------------|--|--|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 |  | | Asphalt underlain by GRAVEL FILL (base course). | | | | | |  |
| 5 | | | Brown SANDY SILT with some gravel; dry to moist. | | | | | | |
| 10 | | | Brown SANDY SILT, trace clay; moist. | | | | | | |
| 15 | | | Brown SANDY SILT to SILTY SAND; dry to moist. | | | | | | |
| 20 | | | Brown SANDY SILT to SILTY SAND; dry to moist. | | | | | | |
| 25 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 8.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AHG676 LOGGED BY: B. Peterson DRILLING DATES: 1/22/2004 - 1/22/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | | | | | |

ENVR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04

Cadet Manufacturing, Inc.
4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-9/30
PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|-------------|-------------|---|--|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 25 | | | Harder drilling. Hard drilling. | | | | | | |
| 30 | | | Total depth = 30.0 feet below ground surface. | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 45 | | | | | | | | | |
| 50 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 8.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AHG676 LOGGED BY: B. Peterson DRILLING DATES: 1/22/2004 - 1/22/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | | | | | |

EHRV-WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND.JUNE03.GDT 12/1/04

| | | | |
|---|--|--|---|
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | LOG OF BORING SG-9/30 PAGE 2 OF 2 |
|---|--|--|---|

AMEC 10273

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | [Hatched pattern] | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 | | | Brown SANDY SILT; dry. | | | | | | Hydrated Bentonite Chips |
| 5 | | | Grades to SILTY SAND. | | | | | | Well Casing |
| 10 | | | SAND. | | | | | | Hydrated Bentonite Casing Seal |
| 15 | | | Large GRAVEL or COBBLE; moist. | | | | | | 10-20 Colorado Silica Sand |
| 20 | | | Large GRAVEL, slow drilling. Total depth = 20.0 feet below ground surface. | | | | | | 8-12 Colorado Silica Sand |
| 25 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Bentonite Casing Seal |
| | | | | | | | | | Well Casing |
| | | | | | | | | | 10-20 Colorado Silica Sand |
| | | | | | | | | | 8-12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| | | | | | | | | | End Cap |

ENVR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND, JUNE03.GDT 1/21/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:

BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA

DRILL RIG: CASING ELEVATION: NA

CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT812

LOGGED BY: B. Lary DRILLING DATES: 1/21/2004 - 1/21/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.


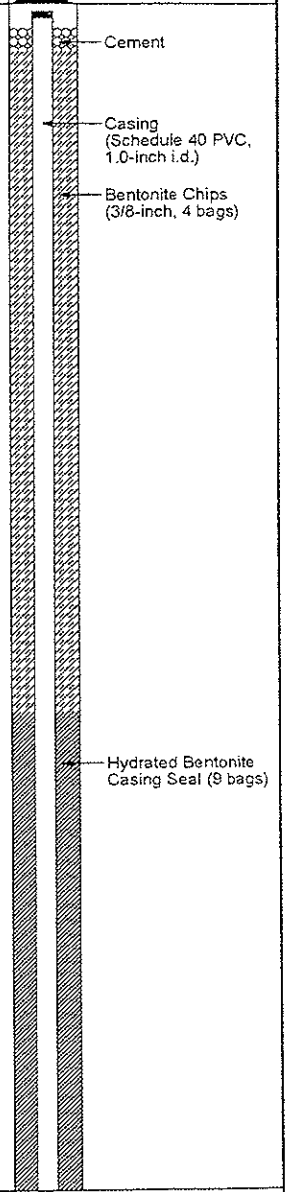

Cadet Manufacturing, Inc.
4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-10

PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|--|---|-------------|---|---|---------------------------|---------------------------|-------------|---|--|
| 0 |  | | Asphalt underlain by GRAVEL FILL (base course). | | | | | |  |
| | | | Brown SANDY SILT; dry. | | | | | | |
| 5 | | | Grades to SILTY SAND. | | | | | | |
| 10 | | | SAND. | | | | | | |
| 15 | | | Large GRAVEL or COBBLE; moist. | | | | | | |
| 20 | | | Large GRAVEL, slow drilling. | | | | | | |
| 25 | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger BOREHOLE DIAMETER: 12.0 (in) DRILL RIG: CONTRACTOR: Geo-Tech Explorations/Arturo LOGGED BY: B. Lary | | | | ELEVATION REFERENCE: GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA START CARD/TAG ID: R64586/AKT813 DRILLING DATES: 1/21/2004 - 1/21/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | |
| ENVR+WELL BORING REV2 4-81M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 12/1/04 Cadet Manufacturing, Inc. 4-81M-10135-J T5 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | |  LOG OF BORING SG-10/30 PAGE 1 OF 2 | |
| AMEC 10275 | | | | | | | | | |

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC | |
|--|-------------|-------------|---|--|---------------------------|---------------------------|-------------|------------------------------------|--|--|
| 25 | | | Very GRAVELLY at 20.0-29.6 feet below ground surface. | | | | | | <p>10-20 Colorado Silica Sand 8-12 Colorado Silica Sand Well Screen (Schedule 40 PVC, 1.0-inch i.d. with 0.020-inch slots) Cone-Shaped PVC End Cap</p> | |
| 30 | | | Total depth = 29.6 feet below ground surface. | | | | | | | |
| 35 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 45 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA DRILL RIG: CASING ELEVATION: NA CONTRACTOR: Geo-Tech Explorations/Airturo START CARD/TAG ID: R64586/AKT813 LOGGED BY: B. Lary DRILLING DATES: 1/21/2004 - 1/21/2004 | | | | REMARKS: No discrete soil samples collected. Lithology logged by drilling character and resistance. | | | | | | |
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | | | | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | | | | | | LOG OF BORING SG-10/30 PAGE 2 OF 2 |

ENVR-WELL BORING REV2 4-61M-10135-J T5 GPJ AMEC PORTLAND JUNE03.GDT 12/1/04


AMEC 10276

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 - 18 | | | Brown SANDY SILT to SILTY SAND; dry to moist. | | | | | | Hydrated Bentonite Chips |
| 0 - 18 | | | | | | | | | Well Casing |
| 18 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 10 - 12 | | | | | | | | | 10-20 Colorado Silica Sand |
| 10 - 12 | | | | | | | | | 8-12 Colorado Silica Sand |
| 10 - 12 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 10 - 12 | | | | | | | | | End Cap |
| 10 - 12 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 10 - 12 | | | | | | | | | Well Casing |
| 15 - 17 | | | Moist to wet? | | | | | | 10-20 Colorado Silica Sand |
| 15 - 17 | | | | | | | | | 8-12 Colorado Silica Sand |
| 15 - 17 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 15 - 17 | | | | | | | | | End Cap |
| 15 - 17 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 15 - 17 | | | | | | | | | Well Casing |
| 18 - 20 | | | GRAVEL lens; moist. | | | | | | 10-20 Colorado Silica Sand |
| 18 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 18 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 18 - 20 | | | | | | | | | End Cap |
| 18 - 20 | | | | | | | | | Well Casing |
| 20 - 22 | | | Total depth = 20.0 feet below ground surface. | | | | | | 10-20 Colorado Silica Sand |
| 20 - 22 | | | | | | | | | 8-12 Colorado Silica Sand |
| 20 - 22 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 20 - 22 | | | | | | | | | End Cap |

ENVIR+WELL BORING REV2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT810
LOGGED BY: B. Lary DRILLING DATES: 1/20/2004 - 1/20/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

| | | | |
|---|--|--|---|
| Cadet Manufacturing, Inc. 4-61M-10135-J T5 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 |  AMEC 10277 | LOG OF BORING SG-11 PAGE 1 OF 1 |
|---|--|--|---|

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPTN VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|--------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt underlain by GRAVEL FILL (base course). | | | | | | Flush-Mount Morris Monument |
| 0 - 20 | | | Brown SANDY SILT to SILTY SAND; dry to moist. | | | | | | Hydrated Bentonite Chips |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 0 - 20 | | | | | | | | | Hydrated Bentonite Casing Seal |
| 0 - 20 | | | | | | | | | Well Casing |
| 0 - 20 | | | | | | | | | 10-20 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | 8-12 Colorado Silica Sand |
| 0 - 20 | | | | | | | | | Well Screen (Schedule 40 PVC, 0.020-inch slots) |
| 0 - 20 | | | | | | | | | End Cap |
| 20 | | | Total depth = 20.0 feet below ground surface. | | | | | | |

ENVR+WELL BORING REV 2 4-61M-10135-J T5.GPJ AMEC PORTLAND JUNE03.GDT 10/28/04

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE:
BOREHOLE DIAMETER: 12.0 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CASING ELEVATION: NA
CONTRACTOR: Geo-Tech Explorations/Arturo START CARD/TAG ID: R64586/AKT809
LOGGED BY: B. Lary DRILLING DATES: 1/19/2004 - 1/19/2004

REMARKS:
No discrete soil samples collected. Lithology logged by drilling character and resistance.

Cadet Manufacturing, Inc.
4-61M-10135-J T5

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-12

AMEC 10278

PAGE 1 OF 1

| DEPTH (ft-bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N-VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | GP | Asphalt (3.0-inch layer). Dense, brown-gray SANDY GRAVEL FILL. | | | | | | Flush-Mount Monument |
| 0-3 | | ML | Stiff, light brown SILT with fine sand; moist. | | | | | | Concrete |
| 3-10 | | | | | | | | | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) |
| 10-12 | | | Very stiff. No recovery. | | | | | | Hydrated Granular Bentonite |
| 12-15 | | GP | Gravel encountered - based on drilling observation. Very slow drilling. | | | | | | 10/20 Colorado Silica Sand |
| 15-18 | | | No recovery. Rock plugging sampler shoe. | | | | | | 8/12 Colorado Silica Sand |
| 18-20 | | | Drilling becomes significantly more difficult. Gravel size increases. | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| 20-22 | | | Medium, rounded to subrounded GRAVEL with fine to medium sand. Auger cuttings. | | | | | | Hydrated Granular Bentonite |
| 22-25 | | | End of boring at 20 feet below ground surface. | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |

ENVIRWELL BORING REV. 2 5-61M-10135-9 SG-13 TO SG-17.GPJ AMEC PORTLAND JUNE03.GDT 62805

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 6 5/8 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Stratus System 4000 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations START CARD/TAG ID: NA
 LOGGED BY: M. Rarty DRILLING DATES: 05/31/2005 - 06/31/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
5-61M-10135-9

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-13/20
PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|------------------------|------------------------|-------------|------------------------------|---|
| 0 | | GP ML | Asphalt (3.0-inch layer). Dense, brown-gray SANDY GRAVEL FILL. Stiff, light brown SILT with fine sand; moist. | | | | | | Flush-Mount Monument Cement Well Casing (Schedule 80 PVC, 1.0-inch O.D.) Hydrated Granular Bentonite |
| 11 | | | Very stiff. No recovery. | | 18 | | | | |
| 11.5 | | GP | Gravel encountered - based on drilling observation. Very slow drilling. | | | | | | |
| 13 | | | No recovery. Rock plugging sampler shoe. | | 50/4" | | | | |
| 14 | | | Drilling becomes significantly more difficult. Gravel size increases. | | | | | | |
| 19 | | | Medium, rounded to subrounded GRAVEL with fine to medium sand. Auger cuttings. | | 81 | 1.1 | | | |
| 24 | | | Drilling remains slow. | | | | ▽ | | |
| 32 | | | Very dense GRAVEL with trace to some sand; dry to moist. | | 77 | | | SG-13-30' | 8/12 Colorado Silica Sand Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| 33 | | | Drilling becomes easier from 32-33 feet below ground surface. Hole collapses on auger. | | | | | | |
| 35 | | | End of boring at 35 feet below ground surface. | | | | | | |

ENVIRONMENTAL BORING REV2 5-61M-10135-9 SG-13 TO SG-17.GPJ AMEC PORTLAND JUNE03 GDT 8/28/05

| | | |
|-----------------------------------|---|---|
| BORING METHOD: Hollow Stem Auger | ELEVATION REFERENCE: NA | REMARKS: DRAFT For Review Only |
| BOREHOLE DIAMETER: 4 1/4 (in) | GROUND SURFACE ELEVATION: NA | |
| DRILL RIG: Stratus System 4000 | CASING ELEVATION: NA | |
| CONTRACTOR: Geo-Tech Explorations | START CARD/TAG ID: NA | |
| LOGGED BY: M. Rarity | DRILLING DATES: 06/31/2005 - 05/31/2005 | |

| | | |
|--------------------------------------|--|--|
| Cadet Manufacturing 5-61M-10135-9 | AMEC Earth & Environmental, Inc. 7376 SW Durham Road Portland, Oregon USA 97224 Tel +1 (503) 639-3400 Fax +1 (503) 620-7892 | LOG OF BORING SG-13/30 PAGE 1 OF 1 |
|--------------------------------------|--|--|

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | SANDY GRAVEL FILL with some silt. | | | | | | Flush-Mount Monument |
| 5 | | ML | Medium stiff, medium brown SILT with some fine sand and trace clay; moist. | | | | | | Concrete |
| 10 | | SM | Stiff, light brown, poorly graded, fine SAND with some silt; moist. | | | | | | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) |
| 15 | | SM | Medium stiff, brown, fine SILTY SAND; moist. | | | | | | Hydrated Granular Bentonite |
| 20 | | | Stiff, brown, fine to coarse SAND with some silt; moist. | | | | | | 10/20 Colorado Silica Sand |
| 25 | | | End of boring at 20 feet below ground surface. | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 6 5/8 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-69 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: J. Fassio DRILLING DATES: 06/02/2005 - 06/02/2005

REMARKS: **DRAFT**
For Review Only

EMVW-MWELL BORING REV2 5-61M-10135-9 SG-13 TO SG-17 G.P.J. AMEC PORTLAND JUNE 03 6DT 6/28/05

Cadet Manufacturing
 5-61M-10135-9

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 839-3400
 Fax +1 (503) 820-7892



LOG OF BORING
 SG-14/20
 PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | SANDY GRAVEL FILL with some silt. | | | | | | Flush-Mount Monument |
| 5 | | ML | Medium stiff, medium brown SILT with some fine sand and trace clay; moist. | | | | | | Cement |
| 10 | | SM | Stiff, light brown, poorly graded, fine SAND with some silt; moist. | | | | | | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) |
| 15 | | SM | Medium stiff, brown, fine SILTY SAND; moist. | | | | | | Hydrated Granular Bentonite |
| 20 | | | Stiff, brown, fine to coarse SAND with some silt; moist. | | | | | | |
| 22 | | GW | Encountered GRAVEL based on drilling character. Harder drilling at 22 feet below ground surface. | | | | | | |
| 25 | | | No sample collected due to dense GRAVELLY soil. | | | | | | |
| 30 | | | Dense, gray, well-graded, fine to coarse GRAVELLY SAND with trace silt; moist. | | | | | | 10/20 Colorado Silica Sand |
| 33.5 | | | COBBLE and coarse GRAVEL from 33.5 to 37 feet below ground surface based on drilling character. | | | | | | 8/12 Colorado Silica Sand |
| 37 | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| 40 | | | Dense, gray, well-graded, fine to coarse SAND with trace gravel (10%); moist. End of boring at 40 feet below ground surface. | | | | | | End Cap |
| 45 | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |

ENVR-WELL BORING REV2 5-61M-10135-9 SG-13 TO SG-17 GP J AMEC PORTLAND JUNE03.GDT 6/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 4 1/4 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Jocf START CARD/TAG ID: NA
 LOGGED BY: J. Fassio DRILLING DATES: 06/02/2005 - 06/02/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
5-61M-10135-9

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-14/40
PAGE 1 OF 1

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | SANDY GRAVEL FILL with some silt. | | | | | | Flush-Mount Monument |
| 5 | | ML | Medium stiff, medium brown SILT with some fine sand and trace clay; moist. | | 8 | 0.3 | | SG-14-5' | Cement |
| 10 | | SM | Stiff, light brown, poorly graded, fine SAND with some silt; moist. | | 9 | 0.5 | | SG-14-10' | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) |
| 15 | | SM | Medium stiff, brown, fine SILTY SAND; moist. | | 8 | 0.5 | | SG-14-15' | Hydrated Granular Bentonite |
| 20 | | | Stiff, brown, fine to coarse SAND with some silt; moist. | | 10 | 0.6 | | SG-14-20' | |
| 22 | | GW | Encountered GRAVEL based on drilling character. Harder drilling at 22 feet below ground surface. | | | | | | |
| 25 | | | No sample collected due to dense GRAVELLY soil. | | | | | | |

ERVR-WELL BORING REV2 5-61M-10135-9 SG-13 TO SG-17.GPJ AMEC PORTLAND JUNE03.GDT 8/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 4 1/4 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: J. Fassio DRILLING DATES: 06/02/2005 - 06/02/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
 5-61M-10135-9

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 SG-14/50
 PAGE 1 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|----------------|
| 30 | | GW | Dense, gray, well-graded, fine to coarse GRAVELLY SAND with trace silt; moist. | | 32 | 0.4 | | SG-14-30' | |
| 35 | | | COBBLE and coarse GRAVEL from 33.5 to 37 feet below ground surface based on drilling character. | | | | | | |
| 40 | | | Dense, gray, well-graded, fine to coarse SAND with trace gravel (10%); moist. | | 48 | 0.5 | | SG-14-40' | |
| 45 | | | Easier drilling from 45 to 50 feet below ground surface. No sample collected. | | | | | | |
| 50 | | | End of boring at 50 feet below ground surface. | | | | | | |

ENVIR WELLS BORING REV2 5-61M-10135-9 SG-13 TO SG-17.GPJ AMEC PORTLAND JUNEG.GIT 8/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 4 1/4 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: J. Fassio DRILLING DATES: 06/02/2005 - 06/02/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
5-61M-10135-9

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-14/50
PAGE 2 OF 2

| DEPTH (ft bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|---|
| 0 | | | Asphalt (0.3-inch layer). Granular FILL | | | | | | Flush-Mount Monument Concrete |
| 5 | | SM | Medium dense, light brown, fine SILTY SAND with trace clay; moist. | | | | | | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) Hydrated Granular Bentonite |
| 10 | | GP | Medium dense, dark brown, medium to coarse SAND with trace gravel and silt. Based on drilling characteristics. | | | | | | 10/20 Colorado Silica Sand 8/12 Colorado Silica Sand Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap Hydrated Granular Bentonite |
| 15 | | | Very dense. Drilling becomes significantly harder. GRAVEL plugging sampler shoe, no sample recovery. | | | | | | 10/20 Colorado Silica Sand 8/12 Colorado Silica Sand Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap Hydrated Granular Bentonite |
| 20 | | | Very dense. Rock plugging sampler shoe, no sample recovery. End of boring at 20 feet below ground surface. | | | | | | 10/20 Colorado Silica Sand 8/12 Colorado Silica Sand Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| 25 | | | | | | | | | |

5-61M-10135-9 SC-13 TO SG-17.GPJ AMEC PORTLAND JULIE@G.GDT 6/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 6 5/8 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: M. Rarley DRILLING DATES: 06/01/2005 - 06/01/2005

REMARKS:
DRAFT
 For Review Only

Cadet Manufacturing
 5-61M-10135-9

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892



LOG OF BORING
 SG-15/20
 PAGE 1 OF 1

| DEPTH (ft. bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|-----------------|--|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | Asphalt (0.3-inch layer). Granular FILL | | | | | | | | Flush-Mount Monument |
| 5 | | SM | Medium dense, light brown, fine SILTY SAND with trace clay; moist. | | 15 | 0.0 | | SG-15-5' | Cement Well Casing (Schedule 80 PVC, 1.0-inch O.D.) Hydrated Granular Bentonite |
| 10 | | GP | Medium dense, dark brown, medium to coarse SAND with trace gravel and silt. Based on drilling characteristics. | | 25 | 0.3 | | SG-15-10' | |
| 15 | | | Very dense. Drilling becomes significantly harder. GRAVEL plugging sampler shoe, no sample recovery. | | 50/5" | 0.7 | | SG-15-15' | |
| 20 | | | Very dense. Rock plugging sampler shoe, no sample recovery. | | 50/5" | 0.6 | | SG-15-20' | |
| 25 | | | Drilling becomes slightly easier and cuttings appear to be fine to medium GRAVEL. | | | | | | |
| 30 | | GM | Very dense, dark brown, angular to subrounded GRAVEL with fine to medium sand and silt. | | 35 | 0.2 | | SG-15-30' | 8/12 Colorado Silica Sand Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| 35 | | | End of boring at 35 feet below ground surface. | | | | | | |

ENR+WELL BORING REV2 5-61M-10135-9 SG-15 TO SG-17_SPL AMEC PORTLAND_JUNE03_GDT 6/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 4 1/4 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-69 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: M. Rarity DRILLING DATES: 06/01/2005 - 06/01/2005

REMARKS:
DRAFT
 For Review Only

Cadet Manufacturing
 5-61M-10135-9

AMEC Earth & Environmental, Inc.
 7376 SW Durham Road
 Portland, Oregon
 USA 97224
 Tel +1 (503) 639-3400
 Fax +1 (503) 620-7892

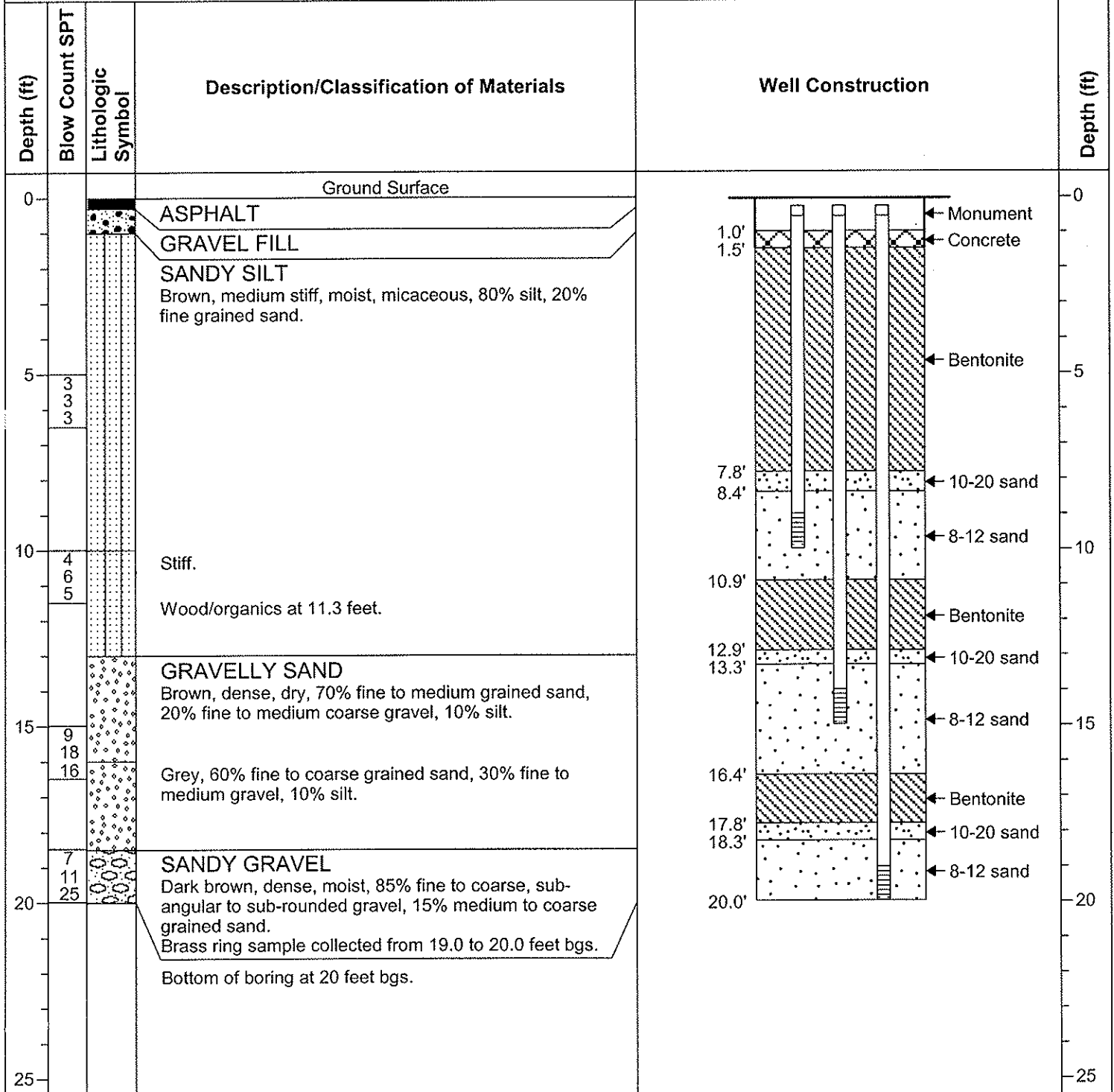


LOG OF BORING
 SG-15/30
 PAGE 1 OF 1

Soil Gas Well Log

Parametrix

| | | | |
|---|--|--|--|
| Boring ID: CM-SG-16 Project Name: POV Soil Gas Wells Project #: 2751940006-/3-4965 PMX Representative: Adam Romey G.I.T./Ingmar Saul R.G. Drilling Company: GeoTech/Boart-Longyear Drilling Method: Hollow Stem Auger | | Starting Date: 7/19/05 Ending Date: 7/19/05 Boring Depth: 20.0 feet bgs Depth to Water: N/A Location: Panasonic, Building 2245 | |
|---|--|--|--|



| DEPTH (ft. bgsf) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|------------------|-------------|-------------|--|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Medium dense GRAVEL FILL with sand and silt; dry to moist. | | | | | | Flush-Mount Monument |
| 5 | | | Medium dense, brown, fine SILTY SAND; moist. | | | | | | Concrete |
| 10 | | | Medium dense SAND. Particle size increases slightly but remains fine. | | | | | | Well Casing (Schedule 80 PVC, 1.0-inch O.D.) |
| 15 | GP | | GRAVEL encountered based on drilling characteristics. | | | | | | Hydrated Granular Bentonite |
| 20 | | | No recovery. | | | | | | 10/20 Colorado Silica Sand |
| 25 | | | GRAVEL becomes less dense (easier drilling) at 19.5 feet below ground surface. End of boring at 20 feet below ground surface. | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |
| | | | | | | | | | Hydrated Granular Bentonite |
| | | | | | | | | | 10/20 Colorado Silica Sand |
| | | | | | | | | | 8/12 Colorado Silica Sand Mixed with Native |
| | | | | | | | | | Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) |
| | | | | | | | | | End Cap |

EHRWELL BORING REVZ 5-61M-10135-9 SG-17 TO SC-17 GPJ AMEC PORTLAND JUNE03.GDT 5/28/05

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 6 5/8 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: M. Rarity DRILLING DATES: 06/03/2005 - 06/03/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
5-61M-10135-9

AMEC Earth & Environmental, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7892



LOG OF BORING
SG-17/20
PAGE 1 OF 1

| DEPTH (ft Bgs) | GRAPHIC LOG | USCS SYMBOL | SOIL DESCRIPTION | SAMPLE | BLOW COUNT SPT N VALUE | VOLATILE READING (ppm) | GROUNDWATER | FIELD AND LABORATORY TESTING | WELL SCHEMATIC |
|----------------|-------------|-------------|---|--------|---------------------------|---------------------------|-------------|------------------------------------|--|
| 0 | | | Medium dense GRAVEL FILL with sand and silt; dry to moist. | | | | | | WSD_FLUSH_MOUNT |
| 5 | | | Medium dense, brown, fine SILTY SAND; moist. | | 14 | 0.2 | | SG-17-5' | Cement Well Casing (Schedule 80 PVC, 1.0-inch O.D.) Hydrated Granular Bentonite |
| 10 | | | Medium dense SAND. Particle size increases slightly but remains fine. | | 17 | 0.4 | | SG-17-10' | |
| 15 | GP | | GRAVEL encountered based on drilling characteristics. | | | | | | |
| 15 | | | No recovery. | | 50/3" | | | | |
| 20 | GP, GM | | GRAVEL becomes less dense (easier drilling) at 19.5 feet below ground surface. Very dense, dark brown, subrounded to rounded GRAVEL with sand and some silt; moist. | | >50 | 0.2 | | | |
| 25 | | | Drilling becomes more difficult. Gravel size becomes larger. | | | | | | |
| 30 | | | Medium dense SILTY GRAVEL with sand; moist to wet. | | 25 | 0.0 | | SG-17-30' | Natural Sand Pack Well Screen (Schedule 80 PVC, 1.0-inch O.D. with 0.020-inch slots) End Cap |
| 35 | | | Hole collapsing while pulling out auger to 30 feet below ground surface. | | | | | | |
| 40 | | | End of boring at 35 feet below ground surface. | | | | | | |

ENVIR-17-10135-9 SG-17 TO SG-17.GPJ AMEC PORTLAND June03.GIT 62805

BORING METHOD: Hollow Stem Auger ELEVATION REFERENCE: NA
 BOREHOLE DIAMETER: 4 1/4 (in) GROUND SURFACE ELEVATION: NA
 DRILL RIG: Mobile B-59 CASING ELEVATION: NA
 CONTRACTOR: Geo-Tech Explorations/Joel START CARD/TAG ID: NA
 LOGGED BY: M. Rarity DRILLING DATES: 06/01/2005 - 06/01/2005

REMARKS: **DRAFT**
For Review Only

Cadet Manufacturing
5-61M-10135-9

AMEC Earth & Environmental, inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel +1 (503) 639-3400
Fax +1 (503) 620-7882



LOG OF BORING
SG-17/30
PAGE 1 OF 1

