Appendix F

Pre-Site Investigation and Site Investigation Boring Logs and Well Construction Details

Key to Hart Crowser Exploration Logs

Sample Description

Classification of soils in this report is based on visual field and laboratory observations which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field nor laboratory testing unless presented herein. Visual-manual classification methods of ASTM D 2488 were used as an identification guide.

Soil descriptions consist of the following:
Density/consistency, moisture, color, minor constituents, MAJOR CONSTITUENT, additional remarks.

Density/Consistency

Soil density/consistency in borings is related primarily to the Standard Penetration Resistance.
Soil density/consistency in test pits is estimated based on visual observation and is presented parenthetically on the test pit logs.

SAND or GRAVEL Density	Standard Penetration Resistance (N) in Blows/Foot	SILT or CLAY Consistency	Standard Penetration Resistance (N) in Blows/Foot	Approximate Shear Strength in TSF
Very loose	0 – 4	Very soft	0 – 2	<0.125
Loose	4 – 10	Soft	2 – 4	0.125 – 0.25
Medium dense	10 – 30	Medium stiff	4 – 8	0.25 – 0.5
Dense	30 – 50	Stiff	8 – 15	0.5 – 1.0
Very dense	>50	Very stiff	15 – 30	1.0 – 2.0
		Hard	>30	>2.0

Moisture

Dry	Little perceptible moisture
Damp	Some perceptible moisture, probably below optimum
Moist	Probably near optimum moisture content
Wet	Much perceptible moisture, probably above optimum

Minor Constituents

	Estimated Percentage
Not identified in description	0 – 5
Slightly (clayey, silty, etc.)	5 – 12
Clayey, silty, sandy, gravelly	12 – 30
Very (clayey, silty, etc.)	30 – 50

Legends

Sampling Test Symbols

BORING SAMPLES

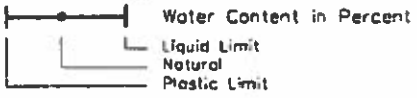
- ⊠ Split Spoon
- ⧅ Shelby Tube
- ▥ Cuttings
- ◫ Core Run
- * No Sample Recovery
- P Tube Pushed, Not Driven

TEST PIT SAMPLES

- ⊠ Grab (Jar)
- ⧄ Bag
- ⧅ Shelby Tube

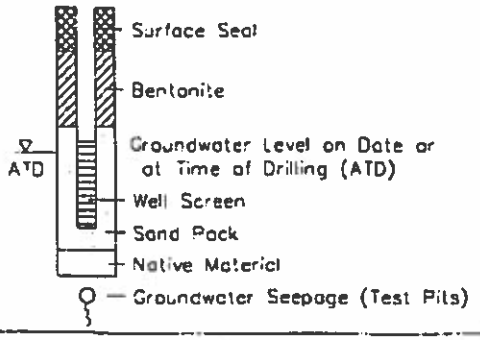
Test Symbols

GS	Grain Size Classification
CN	Consolidation
UU	Unconsolidated Undrained Triaxial
CU	Consolidated Undrained Triaxial
CD	Consolidated Drained Triaxial
QU	Unconfined Compression
DS	Direct Shear
K	Permeability
PP	Pocket Penetrometer Approximate Compressive Strength in TSF
TV	Torvane Approximate Shear Strength in TSF
CBR	California Bearing Ratio
MD	Moisture Density Relationship
AL	Atterberg Limits



PID	Photoionization Detector Reading
CA	Chemical Analysis
DT	In Situ Density Test

Groundwater Observations



7026-04/A-1 STANDARD.dwg

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Figure A-1

Project: Baxter Arlington Arlington, Washington	Log of Boring No. B-1		
Date Started: 8/24/90	Total Depth: 50 ft.	Casing Elev: N/A ft.	Depth to GW: N/A ft.
Date Completed: 8/24/90	Perforation: N/A		From: To: ft
Logged By: D. Walker	Pack: N/A		From: To: ft
Drilling Co: Soil Sampling Service / Driller: Ketvirtis	Seal: N/A		From: To: ft
Drilling Method : 6" ID Hollow Stem Auger	Bentonite Slurry		From: surf. To: 50.0 ft
Drilling Equipment: Mobile Drill B-61	Casing: N/A Sampler: 3" OD Split-Spoon		

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
			loose, moist, brown silty gravel (GM), abundant wood chips			
5	X	2 4 4		GM		OVA = 10 ppm
10	X	3 3 3	100% wood chips at 9.0 ft.			OVA = 1 ppm
15	X	6 16 19 18	dense, moist, gray sandy gravel (GP)			OVA = 28 ppm
20	X	5 10 13	medium dense	GP		OVA = 7 ppm
25	X	4 8 13	medium dense, moist, gray fine sand (SP/SM)	SP-SM		OVA = 0 ppm
	X	4 8 9	finer-grained, wet			OVA = 0 ppm

Project: Baxter Arlington
Arlington, Washington

Log of Boring No. B-1

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
30						
	X	8 9 12	trace of gravel, saturated	SP-SM		OVA = 0 ppm
35						
	X	7 8 10				OVA = 4 ppm
40						
	X	7 12 14	fine to medium; seam of silty sand at 44 ft.	SP-SM		OVA = 3 ppm
45						
	X	16 18 18				OVA = 2 ppm
50			Bottom of boring at 50 feet.			
55						

Boring Log BT-S

Geologic Log

Backfilled Boring

Depth in Feet	Description	Sample	N	PID	Lab Tests
0	Loose to medium dense, moist to wet, silty, slightly gravelly to very gravelly SAND. Tarp encountered at 6-inch depth.	S-1	5		
5	Sheen, cedar-like odor.	S-2	21		
10	Minor sheen, faint odor.	S-3	17		CA
15	Sheen, faint odor.	S-4	17		
	Sheen with oily droplets, odor.	S-5	13		
20	Medium dense, moist, light brown, slightly gravelly, fine to medium SAND.				
25	Sheen, oily droplets, odor.	S-6	25	3	
	Medium dense, moist, brown, very gravelly SAND; sheen, oily droplets, odor.	S-7	23		
30	Medium dense, wet, grayish brown, slightly silty SAND; sheen, oily droplets, odor.	S-8	13		CA
35	Bottom of Boring at 34.0 Feet. Completed 10/9/99.				
40	Note: Sheen test results for sample S-2 were negative. Sheen test results for samples S-1, S-3, S-4, S-5, S-6, S-7, and S-8 were positive.				
45					
50					
55					
60					

ATD

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-12

Boring Log BT-W

Geologic Log

Backfilled Boring

Depth in Feet	Description	Sample	N	PID	Lab Tests
0	Loose to medium dense, moist, brown to grayish brown, slightly gravelly, silty, fine to medium SAND; odor and sheen.	S-1	4	1	
5		S-2	5		
10	Oily droplets.	S-3	18	3	CA
15					
20	Medium dense, moist, gray, slightly gravelly to gravelly SAND; sheen and odor.	S-4	4	5	
		S-5	17		
25	Medium dense, moist, brown, slightly silty, fine SAND; sheen and odor, oily droplets.	S-6	19		
30		S-7	16		CA
35	Bottom of Boring at 35.0 feet. Completed 10/7/99.				
40	Note: Sheen test results for samples S-1, S-2, S-3, S-4, S-5, S-6, and S-7 were positive.				
45					
50					
55					
60					

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time

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Figure A-13

Boring Log SB-2

Geologic Log

Monitoring Well Design

Ground Surface Elevation in Feet: 99.7

Depth in Feet	Geologic Description	Sample	N	PID	Lab Tests
0	Medium dense, moist, gray to brown, silty, gravelly SAND.	S-1	14		CA
5					
	Medium dense, moist, brown, gravelly SAND.	S-2	26	0	
10		S-3	20	0	
15		S-4	25	0	
		S-5	16	0	
20	Medium dense, moist to wet, yellowish brown, medium to fine SAND.	S-6	20		CA,GS Composite
		S-7	18	0	
25		S-8	20	0	
		S-9	20	0	CA
30	Bottom of Boring at 30.0 Feet. Completed 10/5/99.				
35	Note: Sheen test results for samples S-1 and S-6 were negative.				
40					
45					
50					
55					
60					

Groundwater Sample: CA-GW; ATD

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time

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Figure A-2

Boring Log SB-3

Geologic Log

Backfilled Boring

Ground Surface Elevation in Feet: 99.9

Depth in Feet	Description	Sample	N	PID	Lab Tests	Groundwater Sample
0	Dense, damp, light brown, silty, very gravelly SAND.	S-1	27			
5	Medium dense, moist, gray, very gravelly SAND.	S-2	17			
10		S-3	23	0		
15		S-4	19			
	Medium dense, moist, brownish gray, slightly gravelly, coarse to medium SAND.	S-5	23			
20	Medium dense, moist, brownish gray, medium to fine SAND with occasional 1/2-inch layers of fine, sandy SILT from 30 to 32 feet.	S-6	16			
		S-7	26			
25		S-8	14	0	CA	
		S-9	18			
30		S-10	15			CA-GW
		S-11	20		CA	
35	Bottom of Boring at 35.0 Feet. Completed 10/5/99. Note: Sheen test results for sample S-6 were negative.					
40						
45						
50						
55						
60						

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-3

Boring Log SB-4

Geologic Log

Backfilled Boring

Ground Surface Elevation in Feet: 101.1

Depth in Feet	Description	Sample	N	PID	Lab Tests	Groundwater Sample
0–5	Loose to medium dense, moist, orange-brown, silty, fine to medium SAND.	S-1	7	0		
5–10	Medium dense, moist, gray, slightly gravelly to very gravelly SAND.	S-2	28	0	CA	
10–15		S-3	18	0	CA,GS	
15–20		S-4	21	0		
20–25		S-5	28	0		
25–30	Medium dense, moist, gray, fine to medium SAND.	S-6	20	0		
30–35		S-7	29			
35–40	Dense, moist, gray, very sandy GRAVEL with fine to medium SAND from 35 to 37.5 feet.	S-8	48	0		CA-GS
		S-9	30	0		▽ ATD
		S-10	42		CA	
		S-11	30			
40–45	Bottom of Boring at 41.5 Feet. Completed 10/7/99. Note: Sheen test results for samples S-3 and S-8 were negative.					
45–50						
50–55						
55–60						

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-4

Boring Log SB-5

Geologic Log

Backfilled Boring

Ground Surface Elevation in Feet: 101.1

Depth in Feet	Description	Sample	N	PID	Lab Tests
0–10	Loose, moist, dark brown, slightly gravelly, slightly silty SAND with moderate organic material.	S-1	5	1	CA
		S-2	2	0	
		S-3	2	0	
		S-4	3	0	CA
10–20	Medium dense, moist, gray, slightly gravelly to very gravelly SAND.	S-5	24	0	
		S-6	37	1	
		S-7	18	0	
		S-8	19	0	
20–30	Loose to medium dense, moist, brown, fine to medium SAND.	S-9	18	0	
		S-10	18	0	
		S-11	31	0	
30–35	Loose to medium dense, moist, brown, slightly silty to silty, fine SAND.	S-12	21	0	
		S-13	16	0	CA,GS

Groundwater Sample: CA-GW; ATD

Bottom of Boring at 35.0 Feet.
Completed 10/4/99.

Note: Sheen test results for samples S-6 and S-9 were negative.

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-5

Boring Log SB-6

Geologic Log

Backfilled Boring

Approx. Ground Surface Elevation in Feet: 101.8

Depth in Feet	Description	Sample	N	PID	Lab Tests
0	Medium dense, moist, dark brown, silty, gravelly SAND with occasional organic material.	S-1	13	0	CA
5		S-2	7	2	
		S-3	17	0	
10	Wood waste material.	S-4	20		
		S-5	24	0	
15	Medium dense, moist, brown, silty, very gravelly SAND. Oily droplets, petroleum-like odor.	S-6	18	0	CA
	Medium dense, moist, brown, slightly gravelly SAND.	S-7	16	2	
20					
25	Medium dense, gray-brown, moist to wet, slightly silty, fine SAND. Sheen and odor.	S-8	13		
		S-9	14		
30	Sheen and slight odor.	S-10	16	1	CA
35	Bottom of Boring at 34.0 Feet. Completed 10/5/99. Note: Sheen test results for sample S-9 was negative. Sheen test results for samples S-7, S-8, and S-10 were positive.				
40					
45					
50					
55					
60					

ATD

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-6

Boring Log SB-7

Geologic Log

Backfilled Boring

Approx. Ground Surface Elevation in Feet: 103.7

Depth in Feet	Description	Sample	N	PID	Lab Tests
0	Loose, moist, dark gray, silty, gravelly SAND.				
	Loose, moist, orangish brown, silty, fine to medium SAND with abundant wood chips and charcoal from 2 to 6 feet.	S-1	8	0	CA
5					
	Medium dense, moist, gray to yellow brown, slightly silty, slightly gravelly to very gravelly SAND.	S-2	23		
10					
		S-3	31		
15					
		S-4	24		CA
20	Medium dense, moist, yellowish brown, fine to medium SAND.				
	Bottom of Boring at 19.0 Feet. Completed 10/6/99.				
25	Note: Sheen test results for samples S-2 and S-4 were negative.				
30					
35					
40					
45					
50					
55					
60					

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-7

Boring Log SB-8

Geologic Log

Backfilled Boring

Ground Surface Elevation in Feet: 102.0

Depth in Feet	Description	Sample	N	PID	Lab Tests
0	Loose, moist, brown, slightly gravelly, silty SAND.	S-1	7	0	CA
5	Loose, moist, orange-brown, silty, fine to medium SAND; scattered charcoal.	S-2	17	0	
10	Medium dense, moist, gray to yellow-brown, slightly gravelly to gravelly SAND.	S-3	20	0	
15		S-4	16	0	
		S-5	18		
20		S-6	20		
		S-7	26	0	
25		S-8	27	0	CA
	Medium dense, wet, brownish gray, slightly silty, gravelly SAND.	S-9	23		CA
30	Medium dense, wet, brown, slightly silty, medium to fine SAND.	S-10	20		
35		S-11	16		
40		S-12	16		
	Bottom of Boring at 41.5 Feet. Completed 10/6/99.				
45	Note: Sheen test results for sample S-6 were negative.				
50					
55					
60					

Groundwater Sample

CA-GW

ATD after drilling to 30'

ATD after drilling to 40'

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-8

REM 2/4/00 1-1

102807 Logs wstick

Strataprobe Boring Log SB- 9

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102.5

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, silty, sandy GRAVEL.	0		
(Medium dense), moist, orange-brown, slightly silty, slightly gravelly SAND.		S-1	
(Medium dense), wet, tan, slightly silty, slightly gravelly SAND.	5	S-2	
(Medium dense), moist, gray and brown, slightly gravelly SAND.	10	S-3	
		S-4	
2-inch layer of fine SAND.	15		
(Medium dense), moist, brown, slightly silty SAND.		S-5	
(Medium dense), moist, brown, slightly gravelly SAND.	20	S-6	
(Medium dense), wet, brown, slightly silty, fine SAND.	25 ▽ ATD	S-7	CA
Bottom of Boring at 28.0 Feet. Completed 12/08/00.	30		
Note: Groundwater sample collected for chemical analysis with screen at 27 to 28 feet.	35		
	40		
	45		
	50		
	55		

STRATAPROBE 702604ST.GPJ HC_CORP.GDT 12/13/01

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J-7026-04 12/00

Figure A-2

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-10

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102

(Medium dense), moist, gray, silty, sandy GRAVEL.

(Medium dense), moist, brown, slightly silty, slightly gravelly SAND with moderate wood debris from 1 to 8 feet.

Becomes wet at 26 feet.

Bottom of Boring at 29.0 Feet.
Completed 12/08/00.

Note: Groundwater sample collected for chemical analysis with screen at 26.5 to 29 feet. Sheen observed and cedar-like odor detected from a depth of 4 to 29 feet.

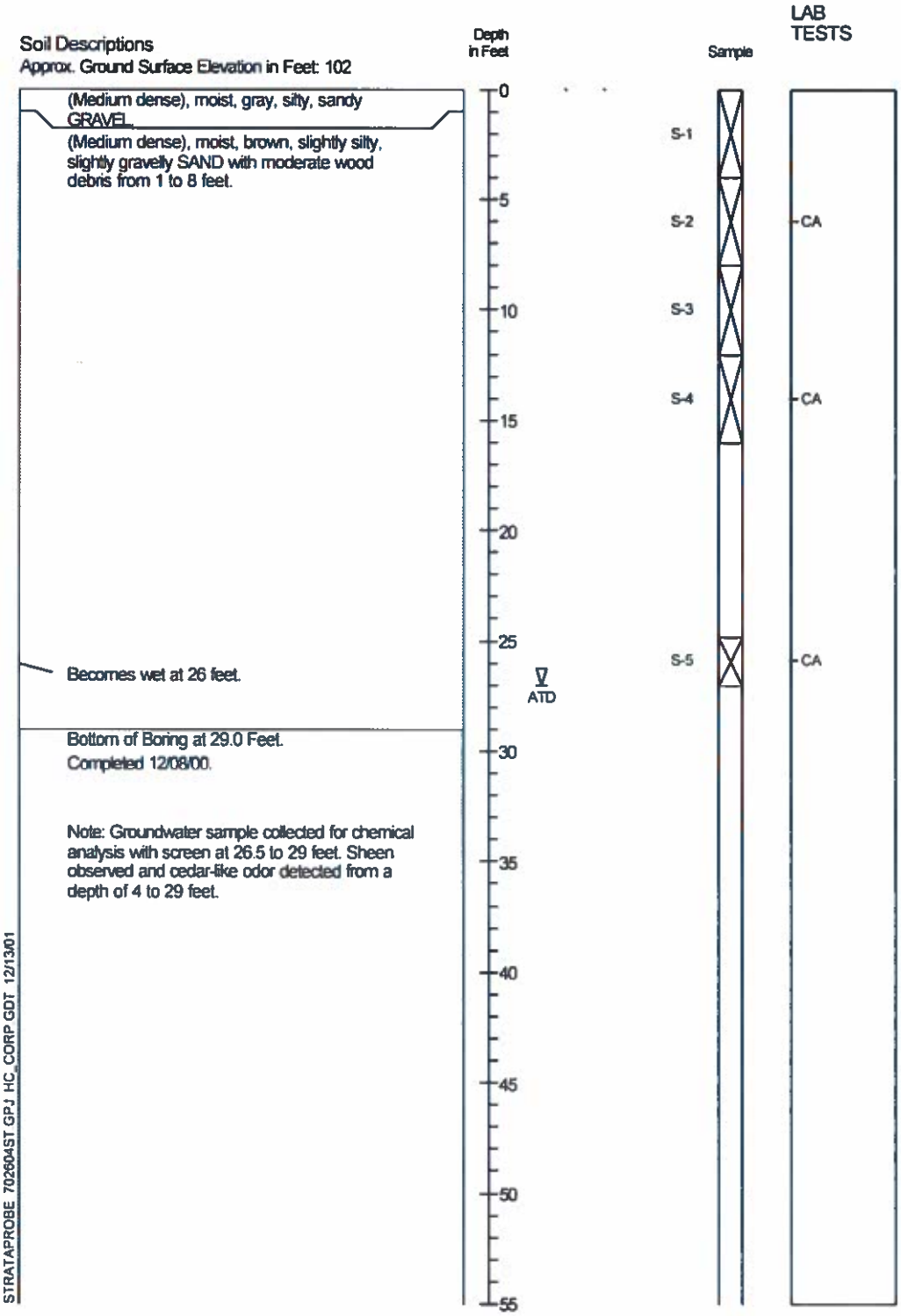

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Figure A-3

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-11

Soil Descriptions Approx. Ground Surface Elevation in Feet: 102	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown, slightly gravelly, slightly silty SAND.		S-1	
2 inches of burned wood chips at a depth of 1 foot.		S-2	
Wood chips.	5		
Bottom of Boring at 5.0 Feet. Completed 12/08/00.			
Note: Refusal on concrete at 5 feet.	10		
	15		
	20		
	25		
	30		
	35		
	40		
	45		
	50		
	55		

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J-7026-04 12/00

Figure A-4

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-11(B)

Soil Descriptions Approx. Ground Surface Elevation in Feet: 102	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray and brown, silty, gravelly SAND.	0	S-1	
1-inch of wood debris at 5 feet.	5	S-2	
Bottom of Boring at 6.5 Feet. Completed 12/08/00.			
Note: Refusal on concrete at 6.5 feet. Slight cedar-like odor detected from a depth of 5 to 6.5 feet.	10		
	15		
	20		
	25		
	30		
	35		
	40		
	45		
	50		
	55		

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J-7026-04 12/00

Figure A-5

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-12

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
(Medium dense), light brown, slightly silty, slightly gravelly SAND.		S-1	
(Medium dense), dark brown, very silty SAND with abundant wood shavings to 6 feet.	5		
Wood shavings.		S-2	
	10	S-3	
(Medium dense), moist, dark brown, slightly silty SAND.		S-4	CA
(Medium dense), moist, brown to gray, slightly silty, gravelly SAND.	15		
		S-5	
Becomes slightly gravelly.	20		
		S-6	CA
(Medium dense), moist, yellow-brown, slightly silty, fine SAND.	25		
		S-7	
	▽ ATD		
	30	S-8	CA
Bottom of Boring at 32.0 Feet. Completed 12/08/00.			
	35		
Note: Cedar-like odor detected and sheen observed at depths of 16 to 24 feet.			
	40		
	45		
	50		
	55		

STRATAPROBE 702604ST.GPJ HC_CORP.GDT 12/13/01

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J-7026-04 12/00

Figure A-6

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-13

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown and orange-brown, slightly gravelly, silty SAND.		S-1	
Wood shavings.			
(Medium dense), moist, dark brown, very silty SAND with abundant organic material.	5	S-2	
(Medium dense), moist, dark brown, silty, gravelly SAND with moderate organic material.	10	S-3	
(Medium dense), moist, brown, slightly silty, slightly gravelly SAND.	15	S-4	CA
	20		
(Medium dense), moist, yellow-brown, slightly silty, fine SAND.		S-5	
Bottom of Boring at 25.0 Feet. Completed 12/08/00.	25		
Note: Faint cedar-like odor detected from a depth of 4 to 8 feet.	30		
	35		
	40		
	45		
	50		
	55		

STRATAPROBE 702604ST.GPJ HC_CORP.GDT 12/13/01

HARTCROWSER

J-7026-04 12/00

Figure A-7

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-14

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102.5

Soil Descriptions	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown, slightly gravelly, slightly silty SAND.		S-1	
Wood chips.	5	S-2	
	10	S-3	
(Medium dense), moist, gray-brown, slightly silty, slightly gravelly SAND.		S-4	
	15		
		S-5	CA
	20		
		S-6	
(Medium dense), moist to wet, yellow-brown, slightly silty, fine SAND.	25		
		S-7	
	▽ ATD		
	30	S-8	
Bottom of Boring at 32.0 Feet. Completed 12/08/00.	35		
Note: Groundwater sample collected for chemical analysis with screen at 28 to 31 feet. Sheen observed and cedar-like odor detected from a depth of 4 to 24 feet.	40		
	45		
	50		
	55		

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Figure A-8

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-15

Soil Descriptions Approx. Ground Surface Elevation in Feet: 102.5	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, sandy, very silty GRAVEL.	0		
(Medium dense), moist, light brown, slightly gravelly, silty SAND.		S-1	
(Medium dense), moist, dark brown, silty to very silty SAND.	5	S-2	
	10	S-3	CA
(Medium dense), moist, gray, medium SAND.			
(Medium dense), moist, light brown, gravelly, medium to coarse SAND.	15	S-4	
Bottom of Boring at 16.0 Feet. Completed 12/11/00.			
Note: Cedar-like odor detected and sheen observed at depth of 1 to 16 feet.	20		
	25		
	30		
	35		
	40		
	45		
	50		
	55		

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Figure A-9

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-16

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 103

Soil Descriptions	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, sandy, very silty GRAVEL.	0		
(Medium dense), moist, dark brown, slightly gravelly, very silty SAND		S-1	
(Medium dense), moist, brown, silty SAND.	5	S-2	
Wood debris.			
(Medium dense), moist, gray, slightly silty, slightly gravelly SAND.	10	S-3	
Bottom of Boring at 12.0 Feet. Completed 12/11/00.	15		
Note: Cedar-like odor detected and sheen observed from a depth of 1 to 12 feet.	20		
	25		
	30		
	35		
	40		
	45		
	50		
	55		

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Figure A-10

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-17

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 103.5

Soil Descriptions	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
1 inch of wood chip at 2 feet. (Medium dense), moist, brown, very silty SAND with moderate organic material.		S-1	
(Medium dense), moist, gray, slightly silty, very sandy GRAVEL.	5	S-2	
2 inches of wood debris at 8 feet.			
(Medium dense), moist, brown, gravelly SAND.	10	S-3	
		S-4	
	15		
Becomes slightly gravelly.		S-5	CA
	20		
		S-6	
(Medium dense), moist, yellow-brown, slightly gravelly, medium to fine SAND.			
	25		
(Medium dense), wet, yellow-brown, slightly silty, fine SAND.		S-7	
	ATD		
Bottom of Boring at 30.0 Feet. Completed 12/11/00.	30		
Note: Groundwater sample collected for chemical analysis with screen at 27 to 30 feet.	35		
	40		
	45		
	50		
	55		

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Figure A-11

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-18

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 101.5

Soil Description	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray and brown, silty, gravelly SAND.	0	S-1	
	5	S-2	
Wood shavings.			
	10	S-3	
(Medium dense), moist, gray, gravelly SAND.		S-4	
(Medium dense), moist, gray to brown, slightly silty, slightly gravelly SAND.	15	S-5	
	20		
(Medium dense), wet, yellow-brown, silty, fine SAND.		S-6	CA
(Medium dense), moist, yellow-brown, fine SAND.	25	S-7	
	30 ATD	S-8	CA
Bottom of Boring at 32.0 Feet. Completed 12/11/00.	35		
Note: Cedar-like odor detected and sheen observed from a depth of 1 to 24 feet. Sheen observed from 30 to 30.3 feet.	40		
	45		
	50		
	55		

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Figure A-12

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-19

Soil Descriptions Approx. Ground Surface Elevation in Feet: 102	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown, slightly silty, gravelly SAND.		S-1	
Wood shavings.			
(Medium dense), moist, brown, slightly silty, slightly gravelly SAND.	5	S-2	
(Medium dense), moist, light brown, gravelly SAND.	10	S-3	CA
Bottom of Boring at 12.0 Feet. Completed 12/11/00.	15		
	20		
	25		
	30		
	35		
	40		
	45		
	50		
	55		

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Figure A-13

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-20

Soil Descriptions Approx. Ground Surface Elevation in Feet: 103	Depth in Feet	Sample	LAB TESTS
Gray GRAVEL.	0		
(Medium dense), moist, gray-brown, silty, sandy GRAVEL.		S-1	
(Medium dense), moist, brown, gravelly SAND.	5	S-2	
Becomes slightly gravelly.	10	S-3	
		S-4	
(Medium dense), moist, yellow-brown, slightly silty SAND.	15		
(Medium dense), moist, brown, slightly silty, gravelly SAND.		S-5	
	20	S-6	
Becomes slightly gravelly.	25	S-7	
		S-8	
Bottom of Boring at 30.0 Feet. Completed 12/11/00.	30		
Note: Sheen observed from a depth of 4 to 8 feet. Cedar-like odor detected and sheen observed from a depth of 15 to 30 feet.	35		
	40		
	45		
	50		
	55		

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Figure A-14

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-21

Soil Descriptions Approx. Ground Surface Elevation in Feet: 103	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, orange-brown, slightly silty, slightly gravelly SAND.	0	S-1	
(Medium dense), moist, orange-brown, slightly gravelly, very silty SAND.	5	S-2	
(Medium dense), moist, light brown, slightly silty, gravelly SAND.	10	S-3	
		S-4	
(Medium dense), moist, light brown, medium to fine SAND.	15		
(Medium dense), moist, brown, gravelly SAND.		S-5	
	20		
Becomes slightly gravelly.		S-6	
	25	S-7	
(Medium dense), wet, brown, slightly silty, fine SAND.			
	30	S-8	CA
		S-9	
Grades to medium to fine SAND.	35		
		S-10	
Bottom of Boring at 40.0 Feet. Completed 12/11/00.	40		
Note: Cedar-like odor detected and sheen observed from a depth of 12 to 36 feet. Dark brown oil observed at 27.5 to 27.7 feet, 28.4 to 29.2 feet, and 32.9 to 33 feet.	45		
	50		
	55		

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Figure A-15

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-22

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 104

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, dark brown, slightly gravelly, silty SAND.	0	S-1	
(Medium dense), moist, orange-brown, slightly silty, fine to medium SAND.	5	S-2	
(Medium dense), moist, light brown, slightly gravelly to gravelly SAND.	10	S-3	
	15	S-4	
		S-5	
Becomes yellow-brown.	20	S-6	
Becomes slightly silty.	25	S-7	
(Medium dense), wet, brown, slightly silty, fine to medium SAND.	30 ATD	S-8	CA
(Medium dense), wet, brown, silty, fine SAND.			
Bottom of Boring at 32.0 Feet. Completed 12/12/00.	35		
	40		
	45		
	50		
	55		

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Figure A-16

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-23

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 104

(Medium dense), moist, brown to yellow-brown, slightly silty, slightly gravelly SAND.

(Medium dense), moist, orange-brown to light brown, slightly silty, slightly gravelly, medium to fine SAND.

(Medium dense), moist, brown and gray, gravelly SAND.

(Medium dense), moist, yellow-brown, slightly gravelly SAND.

Becomes wet and gravelly.

Becomes very gravelly.

(Medium dense), wet, brown, slightly silty, fine SAND.

Bottom of Boring at 32.0 Feet.
Completed 12/12/00.

Note: Cedar-like odor detected and sheen observed from a depth of 1 to 4 feet, 10 to 20 feet, and 24 to 32 feet. Dark brown oil observed at 27.5 to 28 feet and 30.5 to 32 feet.

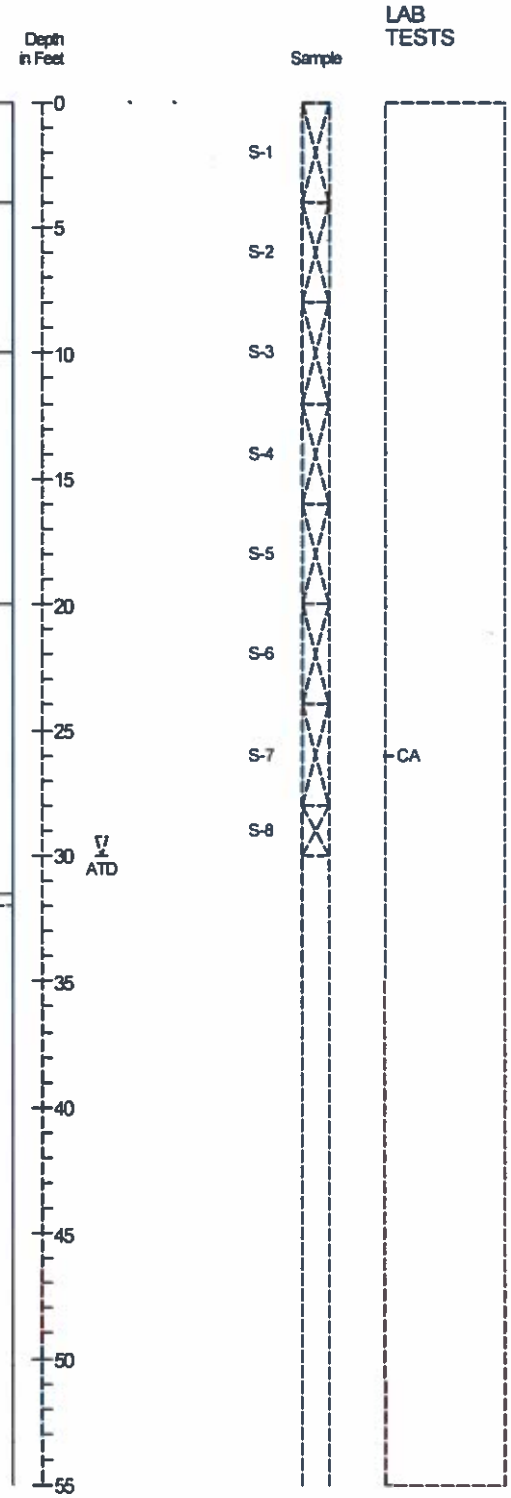

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Figure A-17

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-24

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 103.5

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, orange-brown, slightly gravelly, silty, fine SAND.	0	S-1	
	5	S-2	
(Medium dense), moist, light brown, slightly gravelly SAND.	10	S-3	
		S-4	
(Medium dense), moist, yellow-brown, fine to medium SAND.	15		
(Medium dense), moist, light brown to brown, slightly silty, slightly gravelly SAND.	20	S-5	CA
		S-6	
	25		
(Medium dense), moist to wet, fine SAND.		S-7	
	30 ATD	S-8	
Bottom of Boring at 32.0 Feet. Completed 12/12/00.	35		
Note: Cedar-like odor detected from a depth of 1 to 32 feet. Sheen observed from a depth of 16 to 32 feet. Dark brown oil observed from 31.5 to 32 feet.	40		
	45		
	50		
	55		

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1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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Figure A-18

Strataprobe Boring Log SB-25

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 103

Soil Descriptions	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray, silty GRAVEL.	0		
(Medium dense), moist, orange-brown to yellow-brown, slightly silty, fine SAND.		S-1	
(Medium dense), moist, light brown, gravelly SAND.	5	S-2	
	10	S-3	
Becomes gray-brown and slightly gravelly.	15	S-4	CA
Becomes gravelly.		S-5	
Grades to medium to coarse SAND.	20	S-6	CA
	25	S-7	
(Medium dense), wet, brown, fine SAND.	ATD 30	S-8	CA
Bottom of Boring at 32.0 Feet. Completed 12/12/00.	35		
Note: Cedar-like odor detected from a depth of 1 to 32 feet. Sheen observed from a depth of 16 to 32 feet. Dark brown oil observed from 27 to 30.5 feet and 31.2 to 32 feet.	40		
	45		
	50		
	55		

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Figure A-19

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-26

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 103

Soil Description	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray, slightly sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown to orange-brown, slightly silty, fine SAND.		S-1	
(Medium dense), moist, light brown, slightly gravelly SAND.	5	S-2	
	10	S-3	
		S-4	
(Medium dense), moist, yellow-brown, fine to medium SAND.	15		
(Medium dense), moist, brown, gravelly SAND.		S-5	
	20	S-6	
(Medium dense), moist to wet, yellow-brown, slightly silty, fine SAND.	25	S-7	CA
	▽ ATD		
Bottom of Boring at 28.0 Feet. Completed 12/12/00.	30		
Note: Cedar-like odor detected and sheen observed from a depth of 20 to 28 feet.	35		
	40		
	45		
	50		
	55		

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Figure A-20

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-27

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102

Soil Description	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray, sandy, very silty GRAVEL.	0		
(Medium dense), moist, dark brown to orange-brown, slightly silty, fine SAND.		S-1	
(Medium dense), moist, light brown, slightly gravelly SAND.	5	S-2	
Becomes gravelly.	10	S-3	
Becomes very gravelly.		S-4	
Becomes gravelly.	15		
		S-5	CA
	20	S-6	
(Medium dense), moist to wet, yellow-brown, fine SAND.	25	S-7	
3-inch layer of gravelly SAND.			
	30	S-8	CA
Bottom of Boring at 32.0 Feet. Completed 12/12/00.			
	35		
Note: Cedar-like odor detected and sheen observed at depth of 27.5 to 32 feet. Dark borwn oil observed at depth 30.5 to 31.3 feet and 31.8 to 31.9 feet.	40		
	45		
	50		
	55		

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Figure A-21

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-28

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 104

Soil Description	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, sandy, very silty GRAVEL.	0		
(Medium dense), moist, brown to orange-brown, silty SAND.		S-1	
	5		
(Medium dense), moist, yellow-brown to light brown, slightly gravelly SAND.		S-2	
	10	S-3	
Becomes gravelly.			
		S-4	CA
	15		
2-inch layer of fine to medium SAND.			
Becomes very gravelly.		S-5	
	20		
(Medium dense), moist to wet, brown, slightly gravelly SAND.		*S-6	
	25		
		S-7	CA
	30	S-8	
(Medium dense), wet, yellow-brown, fine SAND.			
Bottom of Boring at 32.0 Feet.			
Completed 12/12/00.			
	35		
Note: Cedar-like odor detected and sheen observed from a depth of 2 to 8 feet, 12 to 16 feet, and 24 to 32 feet. Dark brown oil observed from a depth of 27 to 31.3 feet.			
	40		
	45		
	50		
	55		

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Figure A-22

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-29

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 101.5

Soil Descriptions	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray, slightly sandy, silty GRAVEL	0		
(Medium dense), moist, orange-brown, slightly silty, fine SAND.		S-1	
	5	S-2	
(Medium dense), moist, gray-brown, slightly gravelly SAND.			
	10	*S-3	
Becomes gravelly.		S-4	
	15		
Becomes slightly silty and gravelly.		S-5	CA
	20		
Becomes slightly gravelly.		S-6	
(Medium dense), moist, yellow-brown, slightly silty, fine SAND with occasional 1- to 2-inch layers of fine, sandy SILT.	25	S-7	CA
Grades to darker brown.	30	S-8	
Becomes wet.		S-9	CA
	35 ▽ ATD	S-10	
	40	S-11	CA
	45	S-12	CA
Silty, fine SAND from 49 to 51 feet.	50	S-13	CA
Bottom of Boring at 52.0 Feet. Completed 01/15/01.	55		

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Figure A-23

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-30

Soil Descriptions
Approx. Ground Surface Elevation in Feet: 101

Soil Description	Depth in Feet	Sample	LAB TESTS
(Dense), moist, gray to brown, sandy, very silty GRAVEL.	0	S-1	
(Medium dense), moist, gray, very sandy GRAVEL.			
Wood chips.	5	S-2	
	10	*S-3	
		S-4	
(Medium dense), moist, gray, slightly silty, very gravelly SAND.	15		
Becomes, slightly gravelly.		S-5	
(Medium dense), moist, gray to light brown, medium SAND with trace gravel.	20	S-6	CA
Grades to fine to medium SAND.	25	S-7	
(Medium dense), wet, brown, slightly silty, fine SAND.	30	*S-8	
	35	S-9	CA
Bottom of Boring at 36.0 Feet. Completed 01/15/01.			
Note: Cedar-like odor detected from a depth of 4 to 36 feet. Sheen observed from a depth of 20 to 36 feet. Dark brown oil observed from a depth of 33 to 36 feet.	40		
	45		
	50		
	55		

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Figure A-24

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-31

Soil Descriptions Approx. Ground Surface Elevation in Feet: 104	Depth in Feet		Sample	LAB TESTS
(Medium dense), moist, gray and brown, sandy, very silty GRAVEL.	0			
(Medium dense), moist, light brown, slightly gravelly to gravelly SAND.			S-1	
	5		*S-2	
	10		S-3	
			S-4	
	15			
			S-5	
	20			
			S-6	
	25	▽ ATD	S-7	CA
	30		S-8	
(Medium dense), wet, brown, slightly silty, fine SAND.				
Bottom of Boring at 32.0 Feet. Completed 01/15/01.	35			
	40			
	45			
	50			
	55			

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Figure A-25

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-32

Soil Descriptions Approx. Ground Surface Elevation in Feet: 103	Depth in Feet	Sample	LAB TESTS
(Medium dense), moist, gray, sandy, silty GRAVEL.	0		
(Medium dense), moist, orange-brown, slightly silty, slightly gravelly, fine SAND.		S-1	
(Medium dense), moist, light brown, slightly gravelly to gravelly SAND.	5	S-2	
	10	S-3	
		S-4	CA
	15		
		*S-5	
	20		
		S-6	
Becomes very gravelly.	25	S-7	CA
	30	*S-8	
Bottom of Boring at 32.0 Feet. Completed 01/15/01.			
	35		
Note: Dark brown oil observed from a depth of 24 to 28 feet.			
	40		
	45		
	50		
	55		

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Figure A-26

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-33

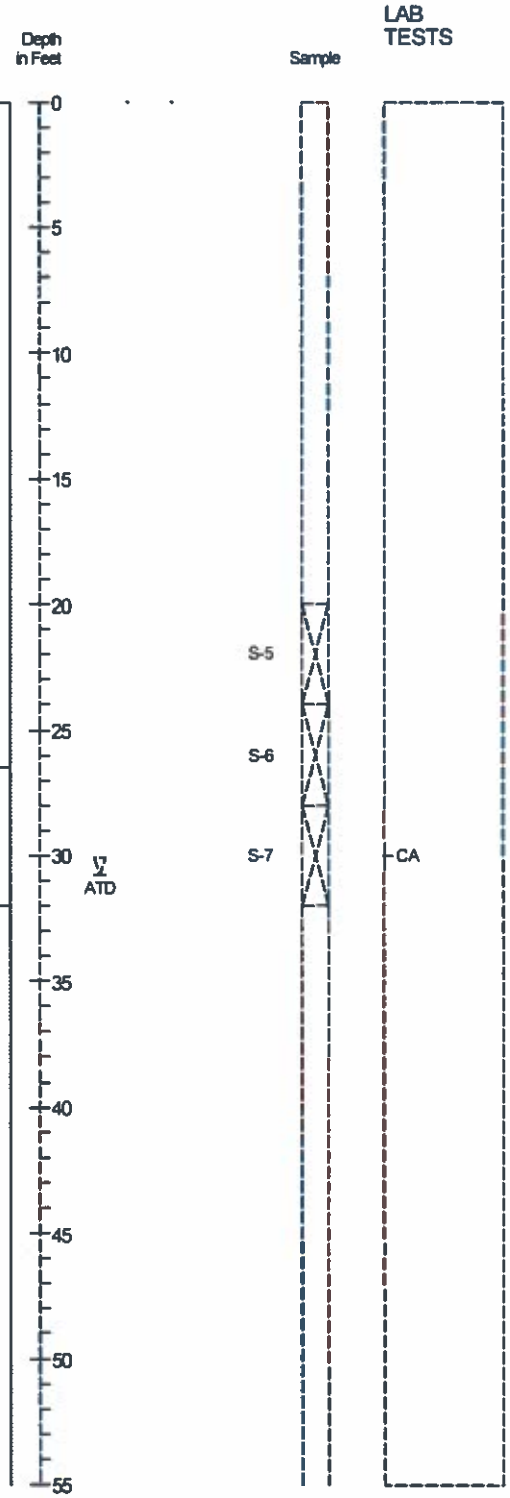
Soil Descriptions
Approx. Ground Surface Elevation in Feet: 102.5

(Medium dense), moist, brown, slightly silty, very gravelly SAND.

(Medium dense), wet, brown, slightly silty, fine SAND.

Bottom of Boring at 32.0 Feet.
Completed 01/15/01.

Note: Cedar-like odor detected and sheen observed from a depth of 20 to 32 feet. Dark brown oil observed from a depth of 24 to 26.5 feet.



STRATAPROBE 70260MST.GPJ HC_CORP.GDT 12/13/01

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J-7026-04 01/01

Figure A-27

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Strataprobe Boring Log SB-34

Soil Descriptions Approx. Ground Surface Elevation in Feet: 101	Depth in Feet	Sample	LAB TESTS
(Medium dense), brown to gray, gravelly, silty SAND.	0		
Becomes dark brown with abundant organic material.		S-1	
(Medium dense), dark brown, slightly gravelly, silty SAND with moderate organic material.	5	S-2	
	10	S-3	
(Medium dense), gray, slightly silty, slightly gravelly to gravelly SAND.		S-4	
	15	S-5	
	20		
Trace gravel.		S-6	CA
	25	*S-7	
(Medium dense), moist, gray, slightly silty, fine SAND.			
	30	S-8	
		S-9	
	35		
		S-10	CA
Becomes wet.	40 ATD	S-11	
Bottom of Boring at 44.0 Feet. Completed 01/15/01.	45		
	50		
	55		

STRATAPROBE 7026O4ST.GPJ HC_CORP.GDT 12/13/01

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

HARTCROWSER

J-7026-04 01/01

Figure A-28

Project: Baxter Arlington Arlington, Washington	Log of Monitoring Well No. MW-1		
Date Started: 8/23/90	Total Depth: 49.5 ft.	Casing Elev: ~~100.0 ft~~ 104.7	Depth to GW: 28 ft.
Date Completed: 8/24/90	Perforation: 0.01 Slot Sch 40 PVC		From: 23.0 ft To: 43.0 ft
ogged By: D. Walker	Pack: #10/20 Colorado Silica Sand		From: 20.0 ft To: 43.0 ft
rilling Co: Soil Sampling Service / Driller: Ketvirtis	Seal: Bentonite Pellets		From: 17.0 ft To: 20.0 ft
Drilling Method : 6" ID Hollow Stem Auger	Bentonite Slurry		From: 17.0 ft To: surf.
Drilling Equipment: Mobile Drill B-61	Casing: 4" Sch. 40 PVC Sampler: 3" OD Split-Spoon		

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
			med. dense moist, gray sandy gravel (GP), trace of silt	GP		
5		8 7 8				OVA = 0 ppm
		8 16 17	light gray at 9 ft.			OVA = 0 ppm
10						
		18 20 20				OVA = 1 ppm
15						
		13 15 14				OVA = 1 ppm
20						
		8 13 19		GP		OVA = 2 ppm
25						
		8 9 8	medium dense, saturated, gray fine sand (SP-SM), trace of silt; silty sand (SM) at 29 ft.	SP-SM		OVA = 0 ppm

Project: Baxter Arlington
Arlington, Washington

Log of Monitoring Well No. MW-1

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
30						
		8 13 19	medium dense, saturated, gray fine sand (SP), trace of silt	SP		OVA = 0 ppm
35						
		8 11 14				OVA = 0 ppm
40						
		9 10 14				OVA = 0 ppm
45					SLOUGH	
		9 12 17		SP		OVA = 0 ppm
50			Bottom of boring at 49.5 feet.			
55						

Project: Baxter Arlington Arlington, Washington	Log of Monitoring Well No. MW-2		
Date Started: 8/22/90	Total Depth: 49.5 ft.	Casing Elev: 98.5 ft.	Depth to GW: 43 ft.
Date Completed: 8/23/90	Perforation: 0.01 Slot Sch 40 PVC		From: 27.5 ft To: 47.5 ft
Logged By: D. Walker	Pack: #10/20 Colorado Silica Sand		From: 49.5 ft To: 24.5 ft
Drilling Co: Soil Sampling Service / Driller: Katvirtis	Seal: Bentonite Pellets		From: 24.5 ft To: 21.5 ft
Drilling Method : 6" ID Hollow Stem Auger	Bentonite Slurry		From: 21.5 ft To: surf.
Drilling Equipment: Mobile Drill B-61	Casing: 4" Sch. 40 PVC Sampler: 3" OD Split-Spoon		

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
			medium dense, moist, gray gravelly sand (SP)	SP		
5		9 8 9				OVA = 0 ppm
10		8 15 21	dense, moist, gray sandy gravel (GP), gravel to 2"			OVA = 0 ppm
15		11 18 24		GP		OVA = 0 ppm
20		25 15 25	dense, moist, coarse to medium gray sand (SP), trace of gravel			OVA = 0 ppm
25		11 17 18	medium to fine sand	SP		OVA = 0 ppm
		22 45 30	very dense, moist, sandy gravel (GP), gravel to 2-1/2"			OVA = 0 ppm

Project: Baxter Arlington
Arlington, Washington

Log of Monitoring Well No. MW-2

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
30				GP		
		11 15 17	dense, moist, gray fine sand (SP-SM)	SP-SM		OVA = 0 ppm
35						
		11 19 25				OVA = 0 ppm
40						
		9 16 21	saturated, some gravel			OVA = 0 ppm
45						
		8 15 19	trace of gravel	SP-SM		OVA = 0 ppm
50			Bottom of boring at 49.5 feet.			
55						

Project: Baxter Arlington Arlington, Washington	Log of Monitoring Well No. MW-3 100.89
Date Started: 8/24/90	Total Depth: 50.0 ft. | Casing Elev: 99.2 ft. | Depth to GW: 38 ft.
Date Completed: 8/27/90	Perforation: 0.01 Slot Sch 40 PVC — From: 29.5 ft To: 49.5 ft
Logged By: D. Walker	Pack: #10/20 Colorado Silica Sand — From: 26.0 ft To: 49.5 ft
Drilling Co: Soil Sampling Service | Driller: Katvirtis	Seal: Bentonite Pellets — From: 26.0 ft To: 23.0 ft
Drilling Method : 6" ID Hollow Stem Auger	Bentonite Slurry — From: 23.0 ft To: surf.
Drilling Equipment: Mobile Drill B-61	Casing: 4" Sch. 40 PVC Sampler: 3" OD Split-Spoon

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
			medium dense, dry, gray sandy gravel (GP), trace of silt	GP		
5	X	9 7 7				OVA = 0 ppm
10	X	8 6 7				OVA = 0 ppm
15	X	6 10 8	moist			OVA = 0.5 ppm
20	X	6 10 13		GP		OVA =0 ppm
25	X	5 11 16	medium dense, moist, gray fine sand (SP/SM), becomes slightly silty very fine sand (SP/SM) below 24 ft.	SP-SM		OVA = 0 ppm
	X	8 12 16	medium dense, moist, gray fine sand (SP/SM), trace of silt;, slightly coarser below 29 ft.			OVA = 0 ppm

Project: Baxter Arlington
Arlington, Washington

Log of Monitoring Well No. MW-3

Depth (feet)	Sample	blow count	LITHOLOGIC DESCRIPTION	Lith-ology	Mon. Well Installation	REMARKS
		11 19 19	dense, becomes fine to medium sand below 33.5 ft.	SP-SM		
35						
		8 8 10	medium dense, saturated, silty fine sand (SM) below 38.0 ft.			
40						
		14 24 32	very dense, saturated sandy gravel (GP), coarse to fine sand	GP		
		10 31 28				
50			Bottom of boring at 50.0 feet.			
55						

Project: BAXTER Project Location: ARLINGTON Project Number: 90C0456A/6000	**Log of Boring MW-4** Sheet 1 of 2

Date(s) Drilled	8/26/94	Logged By	G. DAVIS	Checked By	M. OTTEN
Drilling Method	HOLLOW STEM AUGER	Top of PVC Elevation (feet)	98.17	Total Depth Drilled (feet)	40.0
Drill Rig Type	B-61 HSA	Drilled By	TACOMA PUMP AND DRILLING, INC.	Hammer Weight/ Drop (lbs/in.)	140#/30"
Groundwater Level (ft bgs)	21	Sampler Type	SPLIT SPOON	Approx. Surface Elevation (feet)	NOT SURVEYED
Diameter of Hole (inches)	8 / Diameter of Well (inches) 4	Type of Well Casing	SCH 40 PVC	Screen Perforation	0.010" PVC SLOT
Type of Sand Pack	10/20 SILICAL SAND	Type/Thickness of Seal(s)	CONCRETE 0-2 FT BENTONITE 2-27 FT		
Comments	UP GRADIENT WELL				

Depth, feet	Elevation, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/6in	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	SAMPLES Recovery %	SAMPLES Rate (time)	REMARKS
0						Surface: Loose, silty fine SAND; red/brown, dry				
						1': Loose silty fine SAND with little fine to medium gravel; red/brown, slighly damp				
5		X	1							
						7': Same as above; gravel increasing				
		X	2			9': Dense fine sandy fine GRAVEL; gray, dry				
10										
		X	3			14': Loose fine sandy SILT and silty SAND with trace fine gravel; gray, dry				
15						15': Loose to medium dense fine sandy fine GRAVEL; gray, dry				
		X	4			19.5': Loose fine sandy SILT and silty fine SAND; gray, dry				
20						20': Dense fine to coarse sandy silty coarse GRAVEL; gray, moist to wet	▽			Final water level at 21'

Woodward-Clyde Consultants

Project: BAXTER
Project Location: ARLINGTON
Project Number: 90C0456A/6000

Log of Boring MW-4

Depth, feet	Elevation, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/6in	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	SAMPLES Recovery %		SAMPLES Rate (l/min)	REMARKS
25		X	5								
30		X	6			29': Very loose silty fine to coarse gravelly, fine to coase SAND; gray, very wet to bottom of boring					
35		X	7								
40						Boring terminated at 40 ft below ground surface				1150	
45											
50											

Boring Log and Construction Data for Monitoring Well HC-MW-5

Geologic Log

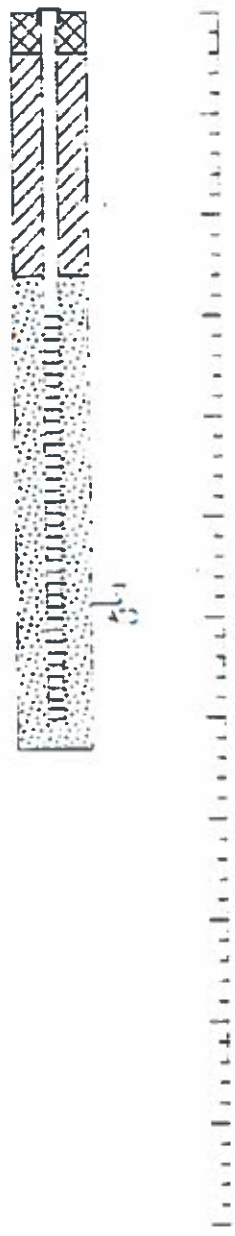
Ground Surface Elevation in Feet: 100.9

Depth in Feet	Description	Sample	N	PID	Lab Tests
0–7.5	Medium dense, damp, light gray to orange-brown, slightly silty, slightly gravelly to gravelly, fine to medium SAND.	S-1	12		CA
7.5–20	Medium dense, moist, brownish gray, gravelly SAND with 1/16-inch orange silt lenses.	S-2	12	0	
		S-3	21		
		S-4	22	0	
		S-5	23		
20–27.5	Medium dense, moist, grayish brown, slightly gravelly, medium to fine SAND	S-6	21		
		S-7	29		CA
		S-8	18		
27.5–36.5	Medium dense, moist to wet, brown, slightly silty, fine to medium SAND.	S-9	26		
		S-10	15		CA GS
	1/2- and 1/8-inch orange, very fine, sandy SILT layers between 33.5 and 33.8 feet.	S-11	22	0	
		S-12	19		
36.5	Bottom of Monitoring Well at 36.5 Feet. Completed 10/5/99.				

Note: Sheen test results for sample S-3 were negative.

Monitoring Well Design

Top of Casing Elevation in Feet: 100.63



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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J-7026-02 10/99

Figure A-9

Boring Log and Construction Data for Monitoring Well HC-MW-6

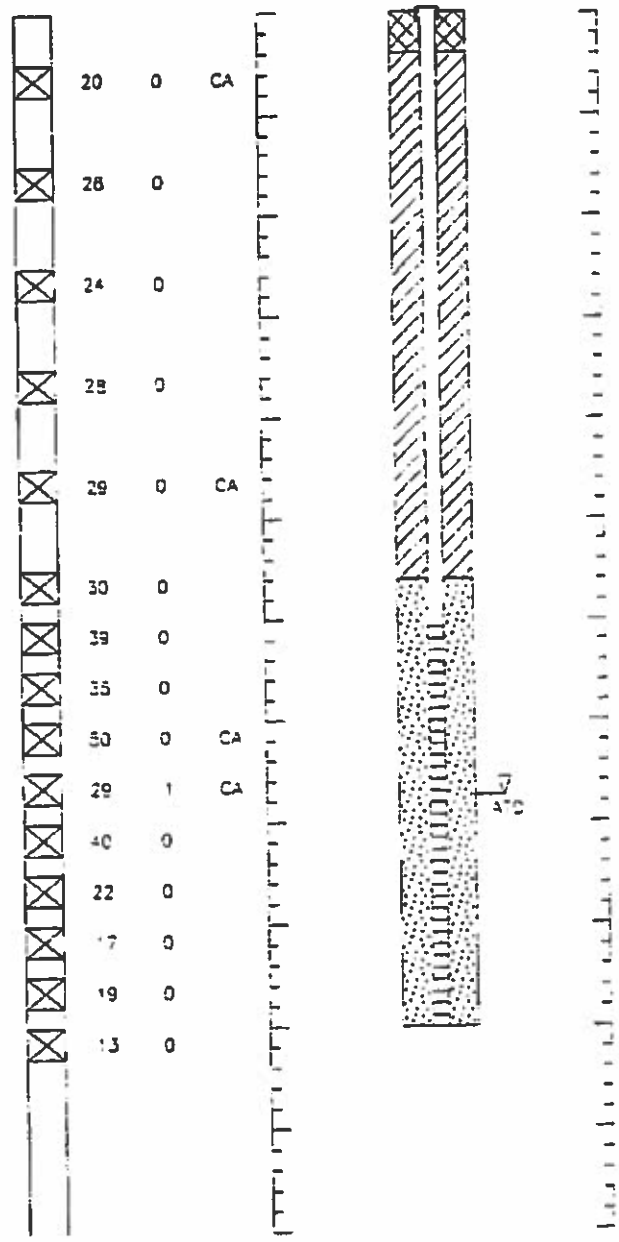
Geologic Log

Monitoring Well Design

Top of Casing Elevation in Feet: 103.25

Ground Surface Elevation in Feet: 103.6

Depth in Feet	Geologic Description	Sample	N	PID	Lab Tests
0	Medium dense, moist, brownish gray, slightly silty, gravelly SAND.	S-1	20	0	CA
5		S-2	28	0	
10		S-3	24	0	
15		S-4	28	0	
20		S-5	29	0	CA
25	Medium dense, moist, grayish brown, slightly silty, slightly gravelly, fine to medium SAND.	S-6	30	0	
30		S-7	39	0	
		S-8	35	0	
35	Dense, moist, slightly gravelly SAND.	S-9	50	0	CA
	Medium dense to very dense, moist to wet, brownish gray SAND to slightly gravelly SAND.	S-10	29	1	CA
40		S-11	40	0	
	Medium dense, wet, brownish gray, medium to fine SAND grading to slightly silty, fine SAND.	S-12	22	0	
45		S-13	17	0	
		S-14	19	0	
50		S-15	13	0	
	Bottom of Monitoring Well at 51.5 Feet. Completed 10/4/99.				
55	Note: Sheen test results for samples S-7 and S-8 were negative.				
60					



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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J-7026-02 10/99

Figure A-10

Boring Log and Construction Data for Monitoring Well HC-MW-7

Geologic Log

Monitoring Well Design

Top of Casing Elevation in Feet: 101.68

Depth in Feet

Ground Surface Elevation in Feet: 101.9

Depth	Description	Sample	N	Lab Tests
0	Topsoil.			
	Orange to light brown, medium to fine SAND.	S-1	14	
5	Medium dense, moist, light brown, slightly silty SAND.			
	Medium dense, moist, brownish gray, gravelly, coarse to medium SAND.	S-2	16	
10				
	Medium dense, moist, brown, fine to medium SAND.	S-3	21	
15				
		S-4	20	
20				
	Medium dense, moist, brownish gray, slightly gravelly SAND.	S-5	38	
25				
		S-6	31	
30	Medium dense, moist, brown, slightly silty, fine SAND.			
	Dense, moist, brownish gray, medium to fine SAND.	S-7	43	
35				
	Medium dense, moist, grayish brown, slightly gravelly SAND	S-8	24	
40				
	Medium dense, wet, gray, slightly silty, fine to medium SAND.	S-9	30	CA
45				
	Medium dense, wet, gray, medium to coarse SAND.	S-10	38	
50				
	Very dense, wet, gray, fine to medium SAND.	S-11	54	
55	Bottom of Monitoring Well at 54.0 Feet. Completed 10/7/99.			
60				

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

HARTCROWSER

J-7026-02 10/99

Figure A-11

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS- 1
LOCATION	See Figure 1	PAGE	1 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	
DRILL METHOD	H.S. Auger	TOTAL DEPTH	49.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/11/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							0 - 1 foot: SOIL.
1	SPT						1 - 4 feet: SAND; with gravel, dark yellowish brown, sand is fine to medium, gravel is subangular to subrounded, slightly damp. (SW)
			5				4 - 14 feet: GRAVELLY SAND; mottled yellowish gray to olive gray, sand is fine to coarse, gravel is subround to subangular, damp. (SW)
2	SPT						
			10				
3	SPT						
			15				14 - 49 feet: SAND; medium olive gray, sand is fine to medium, thinnly interbedded silt. Trace of gravel at 38 feet, wet at 37 feet. (SP)
4	SPT						
			20				
5	SPT						
			25				
6	SPT						
			30				
7	SPT						
			35				
8	SPT	▽					
			40				

REMARKS

1) Measuring point elevation: 99.60. 2) SPT = standard split spoon sampler. See end of DESCRIPTION column for "ADDITIONAL REMARKS".

SWEET-EDWARDS/EMCON

BAXTR.CST 01/19/89

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS-1
LOCATION	See Figure 1	PAGE	2 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	±
DRILL METHOD	H.S. Auger	TOTAL DEPTH	49.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/11/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							(continued) 14 - 49 feet: See previous page for lithologic description.
9	SPT		45				
10	SPT						
			50				Boring terminated at 49 feet. ADDITIONAL REMARKS: Well Construction Details - 0-39 feet, 2 inch schedule 40, PVC, blank riser pipe; 39-49 feet, 2 inch schedule 40, PVC, 0.020 inch slotted. Backfill - 0-1 foot, concrete; 1-4 feet, dry bentonite chips and heave; 4-34 feet, bentonite slurry; 34-37 feet, natural heave; 37-49 feet, sand, Colorado Silica, 10-20.
			55				
			60				
			65				
			70				
			75				
			80				

REMARKS

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS-2
LOCATION	See Figure 1	PAGE	1 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	±
DRILL METHOD	H.S. Auger	TOTAL DEPTH	54.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/6/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							0 - 4 feet: FILL; wood chips, moderate to dark yellowish brown.
			5				4 - 14 feet: SAND and GRAVEL; mottled light to olive gray, sand fine to coarse, gravel subangular to subrounded, damp. (SW/GW)
1	SPT						
			10				
2	SPT						
			15				14 - 54 feet: SAND; light olive gray, sand is fine with some medium, some silt as thinnly bedded silt, sand layers, moist. (SW/SM)
3	SPT						
			20				
4	SPT						
			25				
5	SPT						
			30				
6	SPT						
			35				
7	SPT	▽					
			40				

REMARKS

1) Measuring point elevation: 99.81. 2) SPT = standard split spoon sampler. See end of DESCRIPTION column for "ADDITIONAL REMARKS".

SWEET-EDWARDS/EMCON

BAXTER.GJT 01/19/89

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS- 2
LOCATION	See Figure 1	PAGE	2 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	'±
DRILL METHOD	H.S. Auger	TOTAL DEPTH	54.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/6/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							(continued) 14 - 54 feet: SAND (SW/SM); see previous page for lithologic description.
8	SPT		45				
9	SPT		50				
10	SPT						
			55				Boring terminated at 54 feet. ADDITIONAL REMARKS: Well Construction Details - 0-42 feet, 2 inch schedule 40, PVC, blank riser pipe; 42-52 feet, 2 inch schedule 40, PVC, 0.020 inch slotted. Backfill - 0-1 foot, concrete; 1-20 feet, bentonite slurry; 20-41 feet, Native heave; 41-52 feet, sand, Colorado Silica, 10-20; 52-54 feet, Native heave.
			60				
			65				
			70				
			75				
			80				

REMARKS

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS-3
LOCATION	See Figure 1	PAGE	1 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	±
DRILL METHOD	H.S. Auger	TOTAL DEPTH	44.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/7/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							0 - 2 feet: SOIL.
1	SPT		5				2 - 21 feet: GRAVELLY SAND; mottled to moderate yellowish brown to medium gray, sand is fine to coarse, gravel to 2" subrounded to subangular, trace of silt, poorly graded, medium dense to dense, moist. (SW)
2	SPT		10				
3	SPT		15				
4	SPT		20				
5	SPT		25				21 - 44 feet: SAND with SILT; light olive gray to medium gray, trace of clay, sand is fine to medium, stratified fine sand, medium sand, and silt, medium dense, moist, wet below 35 feet, very soft to soft. (SP)
6	SPT		30				
7	SPT	▽	35				
8	SPT		40				

REMARKS

1) Measuring point elevation: 99.03 2) SPT = standard split spoon sampler. See end of DESCRIPTION column for "ADDITIONAL REMARKS".

LOG OF EXPLORATORY BORING

PROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS-3
LOCATION	See Figure 1	PAGE	2 OF 2
DRILLED BY	Pacific Testing Lab	SURFACE ELEV.	±
DRILL METHOD	H.S. Auger	TOTAL DEPTH	44.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/7/88

	SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
								(continued) 21 - 44 feet: See previous page for lithologic description.
	9	SPT						
				45				Boring terminated at 44.0 feet. ADDITIONAL REMARKS: Well Construction Details - 0-32 1/2 feet, 2 inch schedule 40, PVC, blank riser pipe; 32 1/2-42 1/2 feet, 2 inch schedule 40, PVC, 0.020 inch slotted. Backfill - 0-1 foot, concrete; 1-27 feet, bentonite slurry; 27-31 feet, Natural heave; 31-42 1/2 feet, sand, Colorado Silica 10-20.
				50				
				55				
				60				
				65				
				70				
				75				
				80				

REMARKS

SWEET-EDWARDS/EMCON

BAXTR.GJT.01/19/89

LOG OF EXPLORATORY BORING

ROJECT NAME	J.H. Baxter South Woodwaste Landfill	BORING NO.	BXS- 4
OCATION	See Figure 1	PAGE	1 OF 2
RILLED BY	Pacific Testing Lab	SURFACE ELEV.	±
RILL METHOD	H.S. Auger	TOTAL DEPTH	49.00
LOGGED BY	G.S. Mack	DATE COMPLETE	7/8/88

SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC column	DESCRIPTION
							0 - 1 feet: FILL; sand and gravel.
1	SPT						1 - 17 feet: GRAVELLY SAND; mottled light to dark yellowish brown, sand is fine to coarse, gravel weathered, subangular to subrounded, loose, moist, loose to dense. (GW)
			5				
2	SPT						
			10				
3	SPT						
		▽	15				
							17 - 24 feet: SAND; olive gray, sand is fine to medium, medium dense to dense, moist. (SP)
4	SPT						
			20				
5	SPT						
							24 - 37 feet: SILTY CLAY; medium plasticity, low dry strength, light olive gray, very soft to soft. (ML)
			25				
6	SPT						
			30				
7	SPT						
			35				
							37 - 49 feet: SILTY SAND; with gravel, olive gray, decrease silt with depth, water bearing at 38 feet (confined aquifer), dense to very dense. (SW)
8	SPT						
			40				

REMARKS

1) Measuring point elevation: 100.37 2) SPT = standard split spoon sampler. See end of DESCRIPTION column for "ADDITIONAL REMARKS".

SWEET-EDWARDS/EMCON

BAXTR.CST.01/19/89

LOG OF EXPLORATORY BORING

ROJECT NAME J.H. Baxter South Woodwaste Landfill
OCATION See Figure 1
ILLED BY Pacific Testing Lab
RILL METHOD H.S. Auger
LOGGED BY G.S. Mack

BORING NO. BXS- 4
PAGE 2 OF 2
SURFACE ELEV. ±
TOTAL DEPTH 49.00
DATE COMPLETE 7/8/88

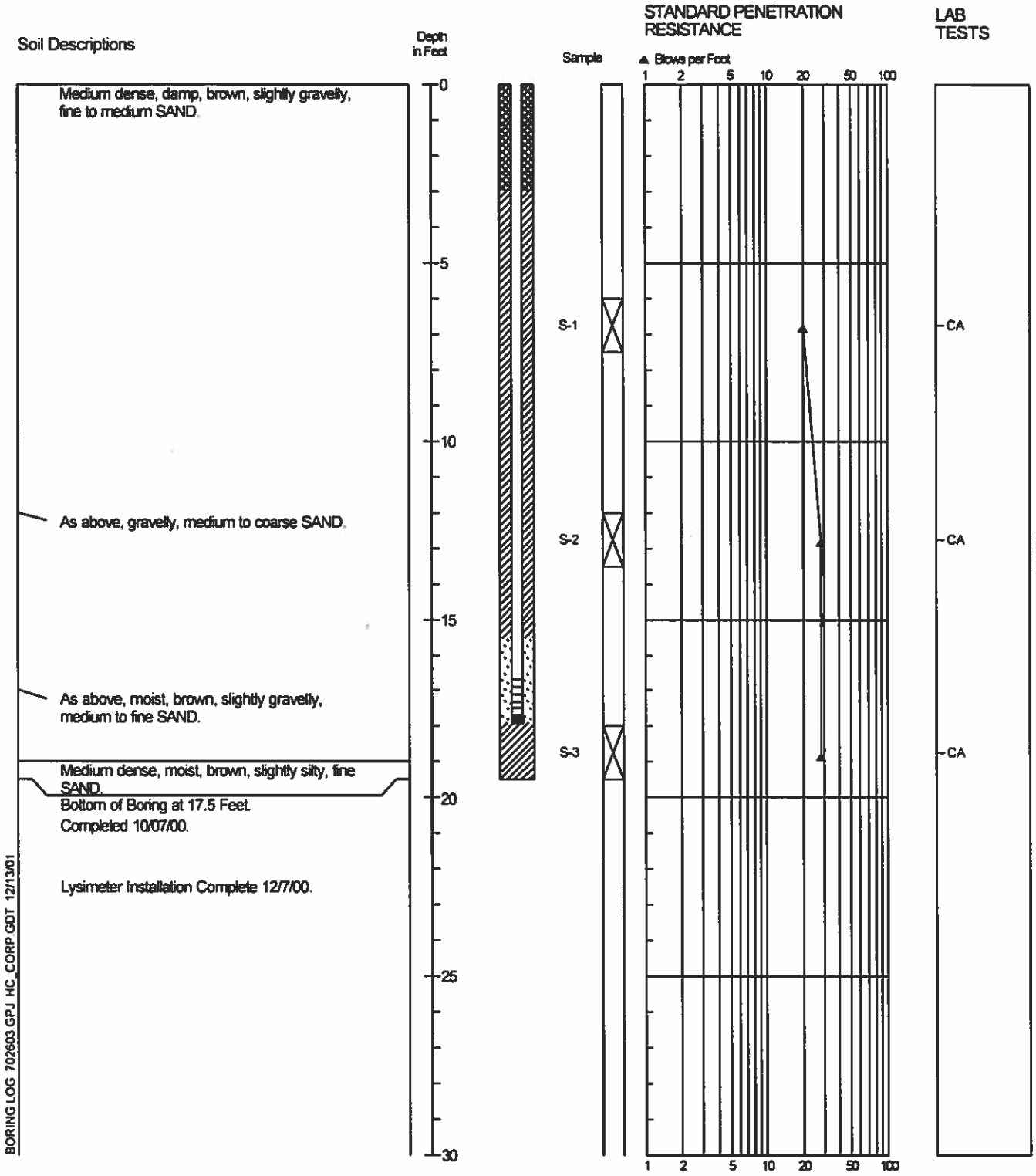
SAMPLE NUMBER	SAMPLE TYPE	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO-GRAPHIC COLUMN	DESCRIPTION
							(continued) 37 - 49 feet: See previous page for lithographic description. (SW)
9	SPT		45				
10	SPT		50				Boring terminated at 49 feet. ADDITIONAL REMARKS: Well Construction Details - 0-37 1/2 feet, 2 inch schedule 40, PVC, blank riser pipe; 37 1/2-47 1/2 feet, 2 inch schedule 40, PVC, 0.020 inch slotted. Backfill - 0-1 foot, concrete; 1-32 feet, bentonite slurry; 32-36 feet, Native heave; 36-47 1/2 feet, sand, Colorado Silica, 10-20; 47 1/2-49 feet, Native material.
			55				
			60				
			65				
			70				
			75				
			80				

REMARKS

SWEET-EDWARDS/EMCON

BAXTER.CJF.01/29/89

Boring Log and Construction Data for Lysimeter L-1



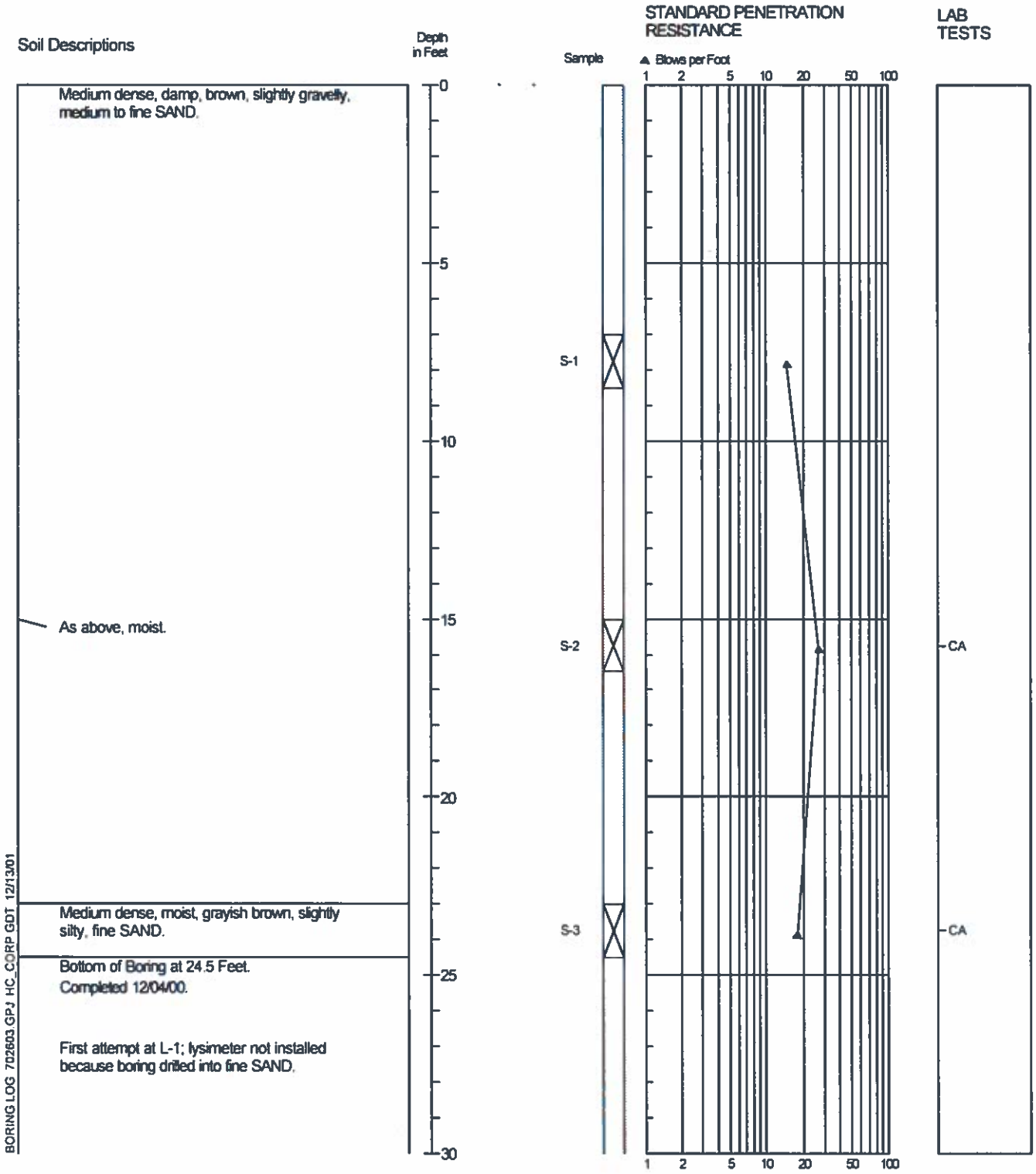
HARTCROWSER

J-7026-03 10/00

Figure A-2

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Boring Log L-2A



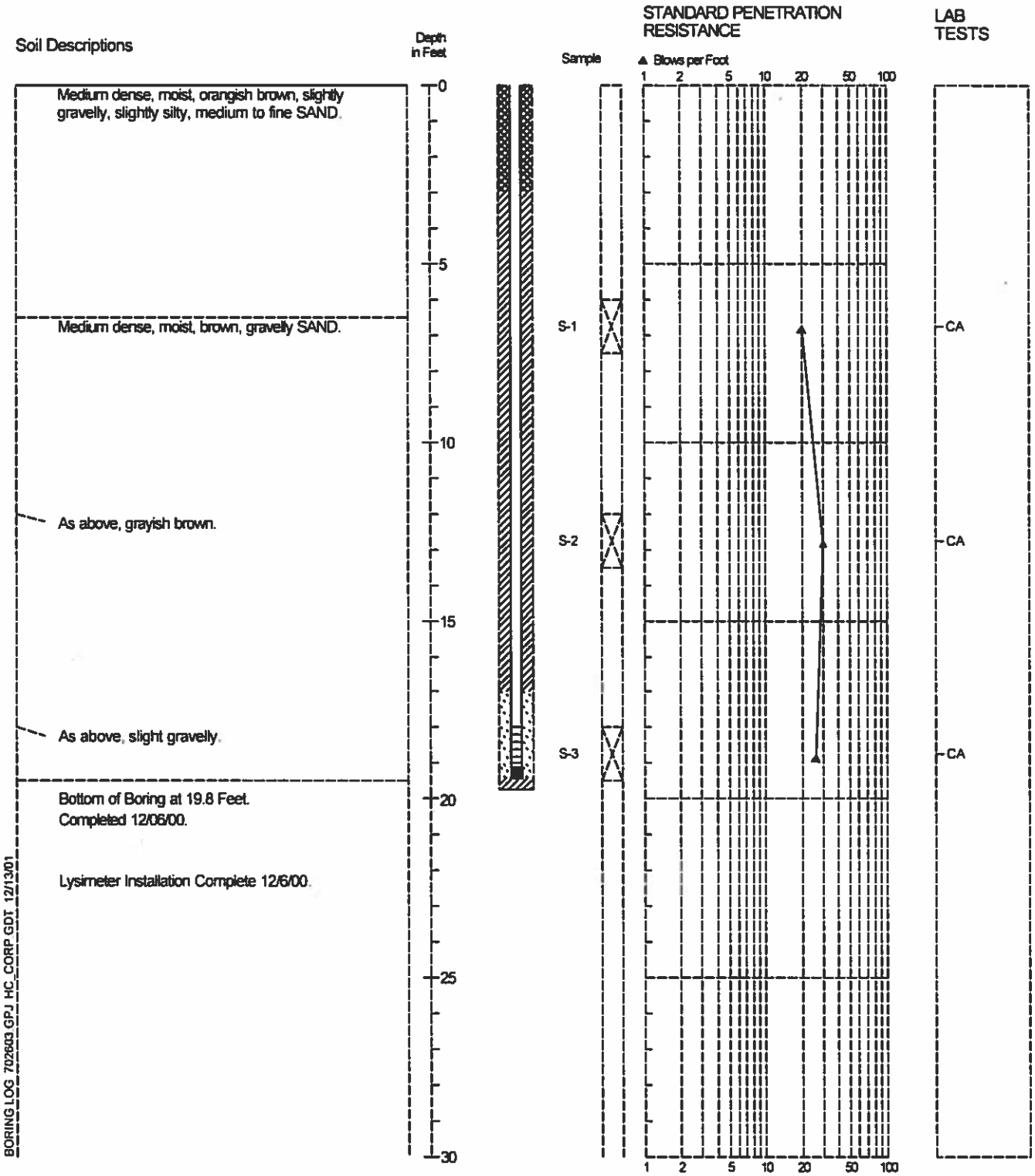
HARTCROWSER

J-7026-03 12/00

Figure A-3

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Boring Log and Construction Data for Lysimeter L-2



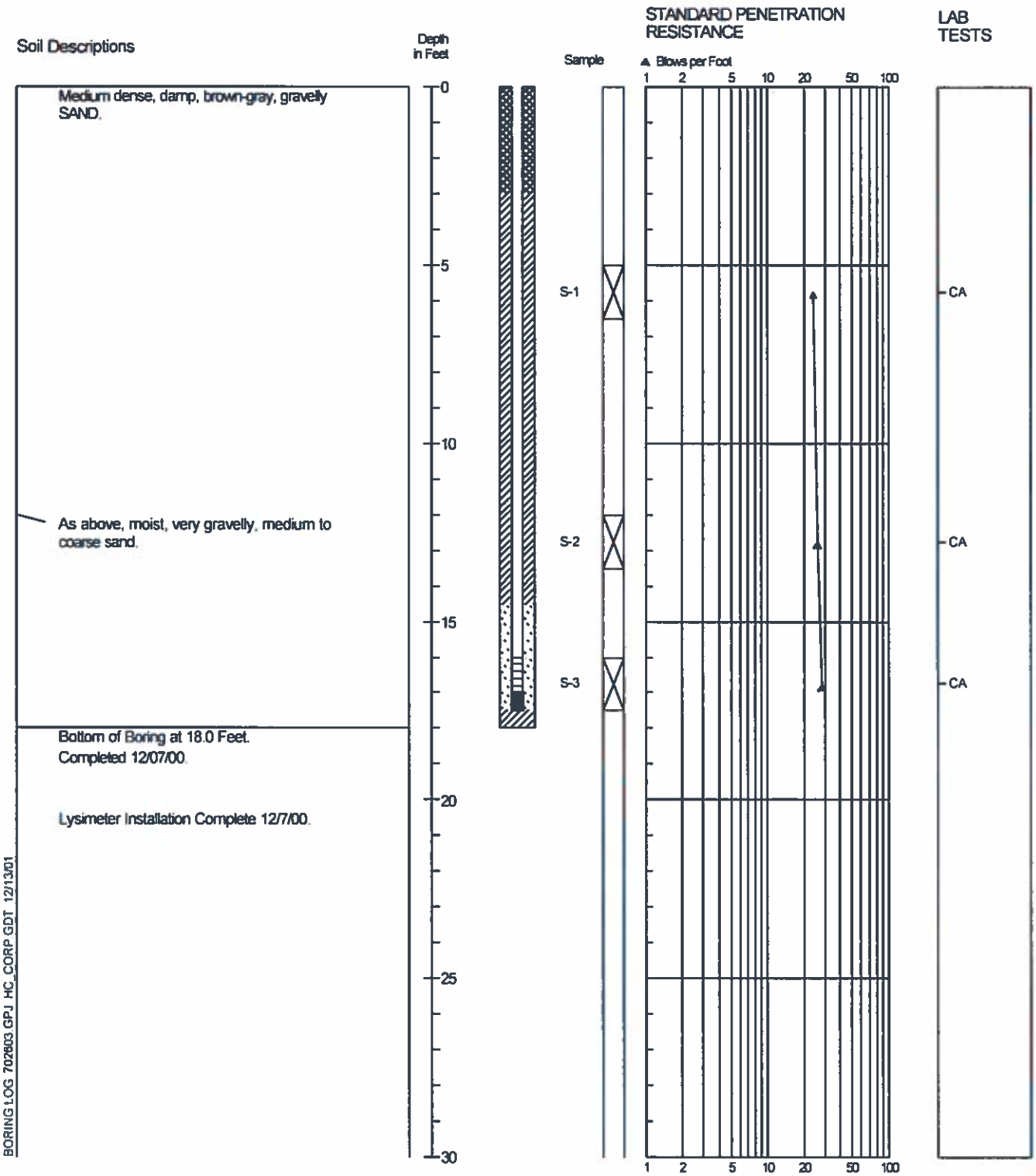
HARTCROWSER

J-7026-03 12/00

Figure A-4

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Boring Log and Construction Data for Lysimeter L-3



BORING LOG 702603.GPJ HC_CORP.GDT 12/13/01

HARTCROWSER

J-7026-03 12/00

Figure A-5

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

J.Baxter

Borehole ID: SB35

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/23/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 34 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
2					SM	Silty SAND with gravel, gray. color change to black
			100	0/N		
4	SO154		100	0/N	SW	SAND with gravel, brown.
6			100	0/N		
8			80	0/N		
10			80	0/N	GW	GRAVEL with sand, brown and gray.
12			80	0/N	SW	SAND with gravel, brownish gray.
14	SO168		80	0/N		
16			80	0/N		
18			80	0/N		
20			80	0/N		
22			80	0/N		
24			100	0/N		
26			100	0/N		
28	SO175		100	0/N		Water encountered at 29 feet.
30			100	0/N		SAND, brown, wet.
32			2			
34						
36						Total depth 34 feet.

Borehole Completion: bentonite grout

Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB36

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/23/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 34 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
2			100		SW	SAND, brown, trace gravel.
4	SO150		80	0/N		SAND with gravel, brown.
6			80	0/N		
8			80	0/N		
10			80	0/N		
12			0			No recovery, rock blocked auger.
14	SO155		80	0/N	SW	SAND, brown, trace gravel.
16			80	0/N		SAND with gravel.
18			80	0/N		
20			80	0/N		
22			75	0/N	GW	GRAVEL with sand.
24			75	0/N	SW	SAND with gravel.
26			80	0/N	SP	Fine to medium SAND.
28	SO162		80	0/N		Water encountered at 29 feet.
30			25	0/N		
32			25			
34						Total depth 34 feet.
36						

Borehole Completion: bentonite grout

Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB37

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/23/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 39 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, road gravel, angular.	bentonite chips
2			80	0/N	SP	Fine to medium SAND with gravel brown.	
4			85	0/N			
6	SO134		85	0/N			
8			85	0/N		Medium to coarse SAND with gravel, brownish gray.	
10			85	0/N			
12	SO137		85	5.8/N			
14			85	7.9/N			
16			85	4.7/N			
18			85	6.9/N			
20			85	5.8/Y			
22	SO142		85	31.0/Y	GW	GRAVEL with sand, brownish gray, residual NAPL observed.	
24			85	29.6/Y			
26			85	31.0/Y			
28			85	14.8/Y			
30	SO146		100	0/N	SP	Fine to medium SAND, brownish gray. Water encountered at 31 feet.	
32			100	0/N			
34			100	0/N			
36							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J Baxter

Borehole ID: SB37

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol		Lithologic Description SAND with gravel, brown.	Borehole Completion
38		☒	50	0/N		SP	Fine to medium SAND, brownish gray.	
			50					
40							Total depth 39 feet.	
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB38

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/27/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 37 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, road gravel, angular.	bentonite grout
2					SW-SM	SAND with silt, brown.	
4	SO205		75	39.5/Y	SW	SAND with gravel, brown.	
6			75	53.3/Y			
8			50	45.8/Y			
10			50	19.9/Y			
12			50	16.5/Y			
14			100	22.9/Y	GW	GRAVEL with sand, brownish gray.	
16	SO211		100	45.4/Y		Residual NAPL observed at 16 feet.	
18			100	21.4/Y			
20			100	8.3/Y	SW	SAND with gravel, brownish gray, residual NAPL observed.	
22			100	6.4/Y			
24			100	7.1/Y			
26	SO216		100	3.4/N	SP	Fine to medium SAND, brown, moist.	
28			100	1.1/N			
30	SO218		100	0/N	SM	Fine silty SAND, brown and red layering, wet.	
32			100	0/N	SP	Fine SAND, brown, wet. Water encountered at 32 feet	
34			100	0/N			
36						Total depth 37 feet.	

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB39

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/26/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 38 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					GW	GRAVEL with sand	bentonite grout
2							
4						Black wood chips	
			100				
6			100				
8			100	13.7/Y		SAND with gravel, dark brown.	
10	SO191		100	17.3/Y		brown residual NAPL observed	
12			100	10.8/Y		no residual NAPL observed	
14	SO193		100	9.0/N			
16			100	9.4/N			
18	SO195		100	0/N			
20			100	4.7/N		SAND, brown.	
22			100	6.5/N	SW		
24			100	4.3/N		SAND with gravel, brownish gray.	
26			100	0/N			
28			100	6.5/N		SAND, brown.	
30	SO201		100	0/N		wet	
32			100	0/N		Water encountered at 33 feet.	
34			100	0/N			
36							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB39

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol		Lithologic Description	Borehole Completion
38		☒	100	0/N		SW	SAND, brown, wet.	☒
							Total depth 38 feet.	
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JH Baxter

Borehole ID: SB40

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/27/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 37 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
2					SM	Silty SAND with wood chips, brown.
4	SO259		75	0/N	SW	SAND with gravel, brownish gray.
6			75	0/N		
8			50	0/N		
10			50	0/N		
12			50	0/N		
14			75	0/N		
16	SO265		75	0/N		
18			50	0/N		
20			50	0/N	GW	GRAVEL with sand, brownish gray.
22			50	0/N	SW	SAND with gravel, brownish gray.
24			100	0/N	SP	Fine SAND, brownish gray.
26			100	0/N		6-inch layer of silty SAND Fine SAND.
28			100	0/N		
30	SO272		100	0/N	SP	Water encountered at 32 feet.
32			100	0/N		
34			100	0/N		
36						Total depth 37 feet.

Borehole Completion: bentonite grout

Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB41

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/27/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 42 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
2					SW-SM	SAND with gravel and silt, brown.
4	SO221		100	10.5/N	SW	SAND with gravel, brownish gray.
6			100	0/N		
8			80	0/N		
10			80	4.1/N		
12			80	0/N		
14			80	12.4/N	GW	GRAVEL with sand, brownish gray.
16	SO227		80	0/N		
18			50	6.8/N	SW	SAND with gravel, brownish gray.
20			50	0/N		
22			50	0/N		
24	SO231		100	14.6/N	SP	Fine to medium SAND, brownish gray, trace gravel.
26			100	0/N		Same as above, trace silt and no gravel.
28			100	0/N		Fine to medium SAND, brownish gray.
30			100	0/N		
32	SO235		100	0/N		Water encountered at 32 feet.
34			100	0/N		
36						

Borehole Completion: bentonite grout

Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB41

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol		Lithologic Description	Borehole Completion
38		☒	100	0/N		SP	Fine to medium SAND, brownish gray.	bentonite grout
40		☒	100	0/N				
42		☒	100	0/N				
							Total depth 42 feet.	
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB42

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/27/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 43 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
2					SW	SAND, brown. 6-inch layer of black wood chips mixed with silty sand.
4	SO240		100	0/N	SW	SAND with gravel, brown.
6			100	0/N		
8			85	0/N	SW	SAND, brown, trace gravel.
10			85	3.4/N		
12			85	1.9/N	GW	GRAVEL with sand, brownish gray.
14			75	1.9/N		
16	SO246		75	1.5/N	SW	SAND with gravel, brownish gray.
18			80	1.1/N		
20			80	1.1/N		
22			80	2.3/N		
24			75	2.3/N		
26			75	0/N		
28	SO252		100	1.1/N	SP	Fine to medium SAND, brown and red banding.
30			100	0/N		color change to gray, wet
32	SO254		100	0/N		Water encountered at 33 feet.
34			100	0/N		
36						

Borehole Completion: bentonite grout

Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JHaxter

Borehole ID: SB42

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38		☒	100	0/N	SP	Fine to medium SAND, gray, wet.	bentonite grout
40		☒	100	0/N			
42		☒	100	0/N		trace silt	
44						Total depth 43 feet.	
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB43

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/12, 8/16/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Geoprobe®/Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 43 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0		X	75		SW-SM	SAND with silt, brown.	bentonite grout
2		X	75		SW	SAND with gravel, brown.	
4		X	75				
6		X	25				
8		X	50				
10		X	65		SW	SAND, brownish gray.	
12		X	3				
14		X	80				
16		X	80				
18		X	100			SAND, brownish gray, trace gravel. Geoprobe® refusal at 18 feet, switched to hollow stem auger.	
20		X	100				
22		X	100				
24		X	100				
26		X	100				
28		X	100				
30		X	100			Same as before without gravel.	
32		X	100				
34		X	100				
36		X					

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N - No sheen observed S - Sheen observed

PREMIER

JHaxter

Borehole ID: SB43

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38			100		SW	SAND, brownish gray. Water encountered at 38 feet.	bentonite grout
40			100				
			100				
42			100				
44						Total depth 43 feet. Temporary well set.	
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB44

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/12, 8/16/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Geoprobe®/Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 44 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							
2			75		SW	SAND with gravel, brown.	bentonite grout
4			80				
6			60				
8			70				
10			70				
12			70		SP	Fine SAND.	
14			95		SW	SAND with gravel, brownish gray.	
16			100			Geoprobe® refusal at 16 feet, switched to hollow stem auger.	
18			100				
20			50				
22			100				
24			75			SAND, grayish brown.	
26			100		SP	Medium SAND, grayish brown.	
28			100		SW	SAND, grayish brown.	
30			100				
32			100				
34			100				
36							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JHaxter

Borehole ID: SB44

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol		Lithologic Description	Borehole Completion
38			100				SAND with gravel, grayish brown. Water encountered at 39 feet.	bentonite grout
40			100			SW		
42			100					
44			100					
							Total depth 44 feet. Temporary well set.	
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB45

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/19/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 43 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							bentonite grout
2		X	50		SW-SM	SAND with silt and gravel, brown, few wood chips.	
4		X	50	N	SW	SAND with gravel, gray.	
6		X	50		GW	GRAVEL with sand, gray.	
8		X	75	N			
10		X	100				
12		X	100	N	SM	Very fine silty SAND, light brown.	
14		X	100				
16		X	100	N			
18		X	100		SP	Very fine SAND, light brown. Medium SAND, grayish brown.	
20		X	100		SW	SAND.	
22		X	100	N	GW	GRAVEL with sand, grayish brown.	
24		X	100				
26		X	100	N			
28		X	100		SW	SAND, gray.	
30		X	100	N			
32		X	100				
34		X	100	N			
36							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N - No sheen observed S - Sheen observed

PREMIER

Borehole ID: SB45

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
38			100		SW	SAND, gray, wet. Water encountered at 38 feet. Same as before with trace gravel.	bentonite grout
40			50				
42							
44						Total depth 43 feet. Temporary well set.	
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB46

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/19/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 43 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description
0–2		X	10		SM	Silty SAND with gravel, brown.
2–4		X	20	0/N	SW	SAND with gravel, gray.
4–8		X	2		GW	GRAVEL with sand, gray.
8–10		X	25	0/N		
10–12		X	50		SW	SAND with gravel, gray.
12–14		X	50	0/N	GW	GRAVEL with sand, gray.
14–18		X	75		SW	SAND, grayish brown, trace gravel.
18–20		X	75	0/N		SAND with gravel, gray.
20–24		X	100		SM	Very fine silty SAND, brown.
24–26		X	100	0/N		
26–28		X	100			
28–30		X	100	0/N		
30–32		X	100		SW	SAND.
32–34		X	100			SAND with gravel.
34–36		X	100	0/N		

Borehole Completion: bentonite grout

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB46

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
38			50		SW	SAND with gravel. Water encountered at 38 feet.	bentonite grout
40			100				
42							
44						Total depth 43 feet. Temporary well set.	
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB47

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							
1			50			FILL, road gravel.	bentonite chips
2							
3			50			SAND with angular gravel, brown.	
4					SW		
5	SO128		75				
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB48

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, angular road gravel.	bentonite chips
1						SAND with gravel, brown.	
2			50	0/N	SW		
3							
4							
5	SO130		80	0/N			
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB49

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							bentonite chips
1						FILL, road gravel.	
2			100	0/N			
3					SM	Silty SAND, brown, cross-bedded with dark layers.	
4							
5	SO132		100	0/N	SW	SAND with gravel, brownish gray.	
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JHBaxter

Borehole ID: SB50

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, road gravel.	bentonite chips
1							
2			10	0/N			
3					GW	GRAVEL with sand, gray.	
4							
5	SO131		100	0/N	SW	SAND with gravel, brown.	
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB51

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, angular road gravel.	bentonite chips
1							
2			20	0/N		SAND with gravel, brown.	
3							
4					SW		
5	SO129		80	0/N			
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB52

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/19/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 36 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						Silty SAND with gravel, brown.	bentonite grout
2							
4	SO047	☒	100	0.7/N	SW	SAND with gravel, brownish gray.	
6		☒	100	0/N			
8		☒	100	0/N			
10		☒	100	0/N			
12		☒	50	0/N	GW	GRAVEL with sand, grayish brown.	
14		☒	75	0/N	SW	SAND with gravel, grayish brown.	
16		☒	75	2.8/N			
18	SO054	☒	100	0/N		SAND, grayish brown.	
20		☒	100	0/N			
22		☒	100	1.1/N			
24		☒	100	0/N			
26		☒	100	0.7/N			
28		☒	100	1.4/N	SP	6-inch layer of silty fine SAND. Fine SAND, gray.	
30		☒	100	0.7/N		Water encountered at 31 feet.	
32							
34							
36						Total depth 36 feet. Temporary well set.	

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB53

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/21/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 35 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						Wood chips	bentonite grout
2					SM	Silty SAND with gravel, brown.	
4							
			75	1.4/N	SW	SAND with gravel, brownish gray.	
6	SO113		75	1.4/N			
8			100	9.0/N			
10			100	2.4/N			
12			100	3.5/N		SAND, brown, trace gravel. SAND with gravel, brownish gray.	
14			100	4.5/N			
16			100	9.0/N			
18			100	7.3/N		SAND, brown.	
20			100	7.3/N			
22			100	9.4/N			
24	SO122		100	11.5/N			
26			100	7.3/N			
28			100	4.9/N			
30						Water encountered at 30 feet.	
32			50				
34							
36						Total depth 35 feet. Temporary well set.	

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB54

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/21/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 32 feet
Surface Elevation:

Dept	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Description	Borehole Completion
0–2					SM	Silty SAND with gravel, brown.	bentonite grout
4	SO101	☒	75	5.3/N	SW	SAND with up to 40% gravel, brownish gray.	
6		☒	75	7.4/N			
8		☒	100	8.1/N		Same as before with 20% gravel.	
10		☒	100	4.6/N	SP	Medium to coarse SAND with gravel, brownish gray.	
12		☒	100	7.8/N			
14	SO106	☒	100	9.6/N			
16		☒	75	7.8/N			
18		☒	100	5.3/N	SW	SAND, brown, trace gravel.	
20		☒	100	7.8/N			
22		☒	100	10.3/N		Same as before without gravel.	
24		☒	100	10.3/N			
26		☒	100		▽	Water encountered at 27 feet.	
28		☒	100				
30							
32						Total depth 32 feet. Temporary well set.	
34							
36							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB55

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/21/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 32 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					SM	Silty SAND with gravel, brown.	bentonite grout
2							
4	SO091	☒	75	0/N	SW	SAND with gravel, light brown.	
6		☒	15	0/N		color change to brownish gray.	
8		☒	25	1.1/N			
10		☒	75	0/N			
12		☒	25	1.4/N	GW	GRAVEL with sand, brownish gray.	
14		☒	75	0.4/N			
16		☒	100	0.7/N	SW	SAND, grayish brown, trace gravel.	
18	SO098	☒	100	4.6/N			
20		☒	100	0/N		SAND, brownish gray.	
22							
24		☒	100	0.7/N		moist	
26		☒	100		▽	Water encountered at 27 feet.	
28		☒	100				
30							
32						Total depth 32 feet. Temporary well set.	
34							
36							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB56

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/20/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 29 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					SM	Silty SAND with gravel, brown.	bentonite grout
2							
4	SO061	☒	100	0/N	SW	SAND with gravel, brown.	
6		☒	100	0/N			
8		☒	100	0/N	GW	GRAVEL with sand, grayish brown.	
10		☒	50	0/N			
12	SO065	☒	75	0/N	SW	SAND with gravel, grayish brown.	
14		☒	75	0/N			
16		☒	100	0/N		SAND, grayish brown, trace gravel.	
18		☒	100	0/N	SP	Fine to medium SAND, grayish brown.	
20		☒	100	0/N			
22		☒	100	0/N	SW	SAND, grayish brown, moist.	
24		☒	100			Water encountered at 24 feet. Same as before, trace silt, wet.	
26		☒	100				
28						Total depth 29 feet. Temporary well set.	
30							
32							
34							
36							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB57

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/20/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 29 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0					SM	Silty SAND with gravel, brown.
2						
4	SO082	☒	15	1.1/N	SW	SAND with gravel, grayish brown.
6		☒	25	1.8/N		
8		☒	75	1.1/N		
10		☒	50	1.4/N		
12	SO086	☒	25	0.4/N	GW	GRAVEL with sand, brownish gray.
14		☒	50	1.1/N		
16		☒	75	0.4/N	SW	SAND with gravel, brownish gray.
18		☒	100	0/N		SAND.
20		☒	100	2.1/N		
22		☒	75			wet
24		☒	100		▽	Water encountered at 24 feet.
26						
28						
30						Total depth 29 feet. Temporary well set.
32						
34						
36						

Borehole Completion: bentonite grout

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB58

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/20/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 32 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0–2					SM	Silty SAND with gravel, brown.
4	SO071	☒	50	0/N	SW	SAND with gravel, grayish brown.
6		☒	75	0/N		
8		☒	75	0/N		
10		☒	70	0/N	GW	GRAVEL with sand, grayish brown.
12	SO075	☒	75	0/N	SW	SAND with gravel, grayish brown.
14		☒	100	0/N	SP	Fine to medium SAND, grayish brown.
16		☒	100	0/N		
18		☒	100	0/N		
20		☒	100	0/N		Medium to coarse SAND, grayish brown.
22		☒	100	0/N		Same as before, trace gravel.
24		☒	100	0/N		Same as before, no gravel.
26		☒	100		▽	SAND with gravel. Water encountered at 27 feet.
28–30		☒	100		SW	SAND.
32						Total depth 32 feet. Temporary well set.
34						
36						

Borehole Completion: bentonite grout

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB59

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					SW-SM	SAND with silt and gravel, brown.	bentonite chips
1							
2			15	0/N	SW	SAND with gravel, dark brown.	
3							
4							
5	SO126		100	0/N			
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB60

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 6 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							
1						SAND with silt and gravel, brown.	bentonite chips
2			100	0/N	SW-SM		
3							
4							
5	SO127		100	0/N			
6						Total depth 6 feet.	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB61

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/6/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Dames and Moore Sampler
Borehole Diameter: 6.75-inch
Total Depth: 34 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, angular road gravel.	bentonite grout
1							
2						SAND with gravel, brown.	
3							
4						color change to brownish gray	
5	SO307		100 7/10/12	0 N			
6			100 12/15/16	0 N	SW		
7							
8			100 15/18/20				
9			100 22/35/40	0 N			
10							
11			100 22/25/27	0 N			
12			100				
13				0 N			
14			100 15/16/16			SAND brownish gray, trace gravel.	
15	SO312		100 14/15/15	0 N		SAND with gravel.	
16							
17			100 10/12/15	0 N			
18			100 16/18/18				

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N= No sheen observed S= Sheen observed

PREMIER

Baxter

Borehole ID: SB61

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
19				0/N	SW	SAND with gravel.	bentonite grout
20			100 15/16/16				
21			100 15/16/16	0/N			
22							
23			100 12/13/13	0/N			
24			100 12/12/13		SP	Fine to medium SAND, brown.	
25				0/N			
26			100 12/13/14				
27			100 10/11/12	0/N			
28							
29	SO319		100 12/15/15	0/N		Water encountered at 29 feet.	
30			100 12/14/16				
31				0/N			
32			100 12/13/13				
33				0/N			
34						Total depth 34 feet.	
35							
36							
37							
38							
39							
40							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB62

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/6/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Dames and Moore Sampler
Borehole Diameter: 6.75-inch
Total Depth: 34 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, angular road gravel.	bentonite grout
1							
2						SAND with gravel, brown.	
3							
4							
5	SO322		100 4/4/5	0 N			
6			100 7/12/15	0 N			
7							
8			100 12/15/15	0 N			
9			100 12/16/17	0 N			
10					SW	color change to brownish gray	
11			100 12/16/16	0 N			
12			100 15/12/12	0 N			
13							
14			100 12/15/13	0 N			
15	SO327		100	0 N			
16			100 13/15/15	0 N			
17							
18			100 12/12/13				

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JHaxter

Borehole ID: SB62

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
19				0 N	SW	SAND with gravel, brownish gray.	bentonite grout
20			100 10/11/12				
21			100 11/12/13	0 N			
22							
23			100 13/15/15	0 N			
24			100 10/11/12		SM	Silty fine SAND, brown, wet.	
25				0 N	SP	Fine to medium SAND, brown.	
26			100 10/11/12				
27			100 10/11/12	0 N			
28							
29	SO334		100 10/11/12	0 N		Water encountered at 29 feet. Same as before, trace gravel.	
30			100 10/10/12				
31				0 N			
32			100 10/10/11				
33			100 11/12/13	0 N			
34						Total depth 34 feet.	
35							
36							
37							
38							
39							
40							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB63

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/6/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Dames and Moore Sampler
Borehole Diameter: 6.75-inch
Total Depth: 37 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
0						FILL, angular road gravel.	bentonite grout
1							
2						SAND, dark brown.	
3					SW		
4						Wood chips, black and brown.	
5			6/10/12				
6			25/30/32				
7							
8			24/37/40				
9			20/23/26				
10							
11			35/40/40				
12			100 7/10/11				
13							
14			100 20/24/25			SAND with gravel, brownish gray, residual NAPL observed.	
15	SO338		100 12/15/19	4.1 Y	SW		
16							
17			100 10/11/11	15.8 Y			
18			100 12/13/14				

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

JH Baxter

Borehole ID: SB63

Depth (ft)	Sample Number	Sample Interval	% Recovery Blow Count	PID (ppm) Sheen	Group Symbol	Lithologic Description	Borehole Completion
19			100 8/10/12	18.8 Y	SW	SAND with gravel, brownish gray, residual NAPL observed.	bentonite grout
20							
21			100 10/10/11	12.8 Y			
22						SAND, trace gravel, brown, residual NAPL oberved.	
23	SO342		100 8/10/11	33.4 Y			
24			100 10/12/14	22.9 Y			
25			100 15/16/18		SP	Medium SAND, brown, residual NAPL oberved.	
26							
27			100 12/15/16	4.5 Y			
28						No residual NAPL observed.	
29			100 12/14/15	10.5 Y			
30			100 11/13/14				
31	SO346		100 8/9/9	5.6 N			
32						Water encountered at 32 feet.	
33			100 10/11/11	0 N	SM	Silty fine SAND, brown.	
34							
35			100 10/10/12	0 N			
36			100 15/15/16				
37						Total depth 37 feet.	
38							
39							
40							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

Borehole ID: SB64

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 10/15/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 45 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					SM	Silty SAND, fine, light brown.	bentonite grout
2							
4					SW	SAND with gravel, brown.	
6		X	20				
8		X	15			color change to brownish gray	
10		X	75				
12							
14		X	50				
16		X	80			Same as before, trace gravel.	
18					SP	Medium to coarse SAND, brownish gray.	
20		X	90				
22						Medium SAND, brownish gray.	
24							
26		X	90				
28					SW	SAND, trace gravel, brownish gray.	
30		X	50		SP	Fine to medium SAND, brownish gray.	
32							
34							
36		X					

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N - No sheen observed S - Sheen observed

PREMIER

Borehole ID: SB64

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38			50		SW	SAND with gravel, brownish gray.	bentonite grout
40						SAND, gray, wet. Water encountered at 40 feet.	
42			75				
44							
46						Total depth 45 feet.	
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

J.H. Baxter

Borehole ID: SB65

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 10/14/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75-inch
Total Depth: 45 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0					SM	Silty SAND with gravel, dark brown.	bentonite grout
2							
4					SW	SAND with gravel, brown.	
6		X	15				
8		X	10				
10		X	40			SAND, brownish gray.	
12						Same as before with gravel	
14		X	80				
16		X	85			SAND as before, trace gravel	
18					SP	Fine SAND, brownish gray.	
20		X	100		SP-SM	Fine SAND with silt, brownish gray.	
22							
24							
26		X	70		SW	SAND, trace gravel, brownish gray.	
28							
30		X	95				
32							
34					SP	Fine to medium SAND, brownish gray.	
36		X					

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB65

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38					SP	Fine to medium SAND, brownish gray.	bentonite grout
40						Water encountered at 40 feet.	
42					SW	SAND, brownish gray, wet.	
44							
46						Total depth 45 feet.	
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

JHBaxter

Borehole ID: SB2D

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/18/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Sonic
Sampling Method: Continuous core
Borehole Diameter: 8-inch
Total Depth: 103.5 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0		☒	100	0/N	SW	SAND with angular road gravel, dark brown.	bentonite grout
2		☒	100	0/N	SW	SAND with gravel, brown.	
4		☒	100	0/N	SW		
6		☒	100	0/N	SW	color change to brownish gray.	
8		☒	100	0/N	SW		
10		☒	100	0/N	SW		
12		☒	100	0/N	SW		
14		☒	100	0/N	SW		
16		☒	100	0/N	SW		
18		☒	100	0/N	SW		
20		☒	100	0/N	SW		
22		☒	100	0/N	SW		
24		☒	100	0/N	SP	Fine to medium SAND, brownish gray.	
26		☒	100	0/N	SW	SAND with gravel, brownish gray.	
28		☒	100	0/N	SP-SM	Fine SAND with silt, brown.	
30		☒	100	0/N	SP	Fine to medium SAND, brown.	
32		☒	100	0/N	SP		
34		☒	100	0/N	SP		
36		☒			SW		

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38					SW	SAND with gravel, brown.	bentonite grout
			100	0/N			
40							
			100	0/N	SP	Fine SAND, brown.	
42							
			100	0/N			
44							
			100	0/N			
46							
			100	0/N			
48							
			100	0/N			
50							
	SO424		100	0/N			
52							
			100	0/N			
54							
			100	0/N			
56							
			100	0/N			
58							
			100	0/N			
60							
			100	0/N			
62							
			100	0/N	SW	SAND with gravel, brownish gray.	
64						color change to orange	
			100	0/N			
66						SAND with gravel, brownish gray.	
			100	0/N			
68							
			100	0/N			
70					SP	Coarse SAND, brownish gray, trace gravel.	
			100	0/N			
72							
			100	0/N			
74							
	SO436		100	0/N			
76							
			100	0/N			
78							
			100	0/N			
80							

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Baxter

Borehole ID: SB2D

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
82					SP	Coarse SAND, brownish gray, trace gravel.	bentonite grout
84			100	0/N			
86			100	0/N			
88			100	0/N			
90			100	0/N			
92			100	0/N			
94			100	0/N			
96	SO446		100	0/N	ML	Sandy SILT, gray. 94 - 94.5 feet; as before with gravel 94.5 - 95 feet; SILT with sand, gray. 96 - 97 feet; SILT, dense, brown, organic.	
98			100	0/N	SP-SM	SAND with gravel and silt, gray.	
100			100	0/N			
102			100	0/N	ML/SP-SM	101.5 - 102.5 feet; SILT with sand and gravel, gray. 102.5 - 103 feet; SAND with gravel and silt, gray 103 - 103.5 feet; SILT with sand and gravel, gray. 103.5 feet; SILT, dense, brown, organic.	
104							
106							
108							
110						Total depth 103.5 feet.	
112							
114							
116							
118							
120							
122							
124							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Borehole ID: SB3D

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/17/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Sonic
Sampling Method: Continuous core
Borehole Diameter: 8-inch
Total Depth: 102 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description	Borehole Completion
0							bentonite grout
		X	100	0/N		FILL, angular road gravel.	
					SM	Silty SAND with gravel, brown.	
2		X	100	0/N	SW	SAND with gravel and wood chips, brown.	
4		X	100	0/N	SW	SAND with gravel, brown.	
6		X	100	0/N	SW		
8		X	100	0/N	SW		
10		X	100	0/N	SW		
12		X	100	0/N	SW		
14		X	100	0/N	SW		
16		X	100	0/N	SW		
18		X	100	0/N	SW		
20		X	100	0/N	SW		
22		X	100	0/N	SW		
24		X	100	0/N	SP	Fine to medium SAND, brownish gray, trace silt.	
26		X	100	0/N	SP		
28		X	100	0/N	SP		
30		X	100	0/N	SP	moist at 30 feet	
32		X	100	0/N	SP	dry at 32 feet	
34		X	100	0/N	SW	SAND with gravel, brownish gray.	
36			100	0/N	SW		

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Borehole ID: SB3D

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
38					SW	SAND, brownish gray.	bentonite grout
			100	0/N			
40			100	0/N			
42					SW	SAND with gravel, brown.	
			100	0/N		SAND, brown, trace gravel.	
44			100	0/N	SP	Coarse SAND with rounded gravel, brownish gray, wet.	
46			100	0/N			
48			100	0/N			
50	SO374		100	0/N		Same as before, trace rounded gravel, wet.	
52			100	0/N			
54			100	0/N			
56			100	0/N			
58			100	0/N			
60			100	0/N			
62			100	0/N			
64			100	0/N			
66			100	0/N			
68			100	0/N		Coarse SAND, brownish gray, wet.	
70			100	0/N			
72			100	0/N			
74	SO386		100	0/N			
76			100	0/N		Same as before, trace large cobbles.	
78			100	0/N			
80			100	0/N			

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

Borehole ID: SB3D

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Borehole Completion
82				0/N	SP	Coarse SAND, brownish gray, trace large cobbles, wet.	bentonite grout
84			100	0/N			
86			100	0/N			
88			100	0/N			
90			100	0/N		Coarse SAND, gray.	
92			100	0/N			
94			100	0/N			
96			100	0/N			
98	SO397		100	0/N			
100			100	0/N	CL	CLAY, gray, dense.	
102			100	0/N		ROCK	
					CL	CLAY with cobbles, gray.	
104						Total depth 102 feet.	
106							
108							
110							
112							
114							
116							
118							
120							
122							
124							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.Baxter

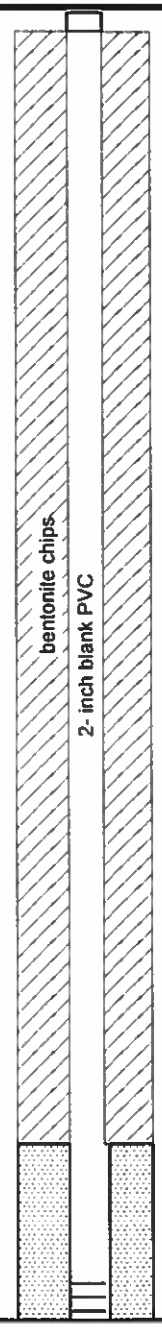
Monitoring Well ID: MW-10

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/26/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75 inch
Total Depth: 43 feet
Surface Elevation: 143.30
Stickup: 1.69

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0–4			25		SM	Silty SAND, reddish brown, trace gravel.
4–5	SO183		100	0/N	SW	SAND, brownish gray, trace gravel.
6–8			100		SW	Same as before with gravel.
9–10			50	0/N	SW	SAND, brownish gray, trace gravel.
11–13			50		SW	Same as before with gravel.
14–15	SO185		100	0/N	SW	
16–18			100		SW	

Well Completion



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Baxter

Monitoring Well ID: MW-10

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description
19					SW	SAND, brownish gray, with gravel.
20			100	0/N	SP	Fine to medium SAND, brownish gray.
21						
22			100			
23						
24						
25			100	0/N		
26						
27			100			
28						
29						
30	SO188		100	0/N		Silty fine SAND, brownish gray.
31						
32			100			
33						Water encountered at 33 feet.
34					SM	wet
35			100	0/N		
36						
37			100			
38						
39					SP	Fine SAND, brownish gray, wet.
40						

Well Completion: sand pack (10-20 sand); 2-inch well screen (20 slot)

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Baxter

Monitoring Well ID: MW-10

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Well Completion
41					SP	Fine SAND, brownish gray, wet.	
42							
43							
44						Total depth 43 feet.	
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

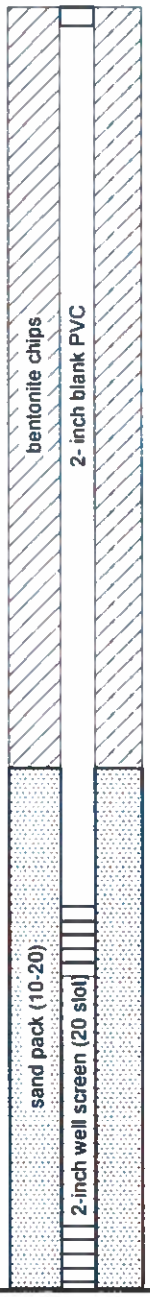
Monitoring Well ID: MW-11

Project: J.H. Baxter & Co. Arlingtion Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/26/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75 inch
Total Depth: 38 feet
Surface Elevation: 146.46
Stickup: -0.40

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, road gravel, angular.
1						FILL, brown silty sand with gravel.
2						
3						
4						SAND, brown.
5	SO177		100	0/N		Same as before with gravel.
6						
7			100			
8			100			
9						color change to grayish brown
10			100	0/N		
11					SW	
12			100			
13						
14						
15	SO179		100	0/N		
16						
17			100			
18						

Well Completion



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

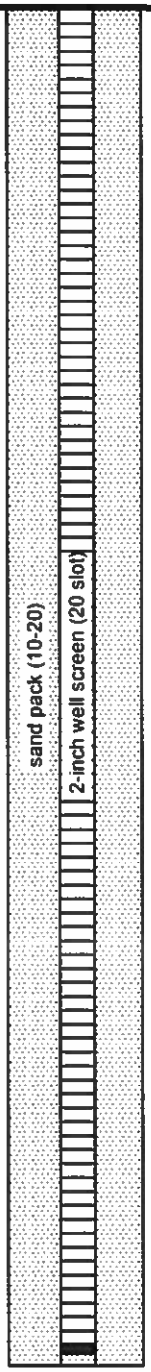
PREMIER

Baxter

Monitoring Well ID: MW-11

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description
19			100		SW	SAND, grayish brown, with gravel.
20			100	0/NS		color change to brown, no gravel.
21						SAND with gravel, brown.
22			100			
23						
24						
25			100	0/NS		
26						
27			100			
28						Water encountered at 28 feet.
29					SP	Fine to medium SAND, brown, wet.
30	SO182		100	0/NS		
31						
32			100			
33						
34						
35			100			
36						
37						
38						
39						Total depth 38 feet.
40						

Well Completion



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

Monitoring Well ID: MW-12

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/28/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75 inch
Total Depth: 38 feet
Surface Elevation: 144.48
Stickup: -0.69

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0–2						FILL, gravel, angular.
2–4			50		SW	SAND with gravel, brown.
4–5			50		FILL	Wood chips, brown.
5–6			50			
6–7			50			
7–8			50			
8–9			50			
9–10			50			
10–11			50			
11–12			50			
12–13			50			
13–14						
14–15	SO294		75	23.6/Y	GW	GRAVEL with sand, dark gray, residual NAPL observed.
15–16						
16–17			75	27.0/Y		
17–18						

Sample submitted for analysis Sample examined Static water level Initial water level

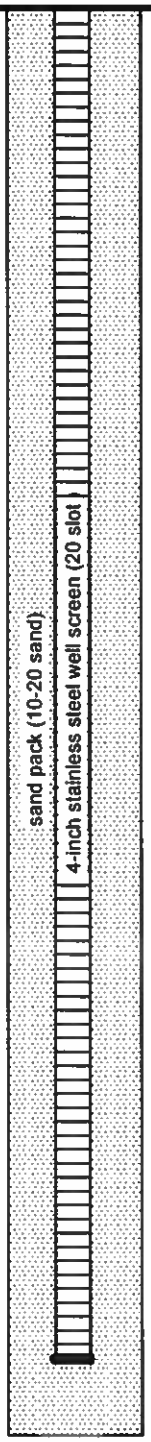
N- No sheen observed S- Sheen observed

PREMIER

Monitoring Well ID: MW-12

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description
19	SO296		80	44.3/Y	SW	SAND with gravel, brown, residual NAPL observed.
20						
21			80	30.0/Y		
22						Same as before with trace gravel.
23			80	24.0/Y		
24					SP	Fine SAND, brown, residual NAPL observed.
25			100	35.3/Y		
26						
27			100	30.4/Y		
28						
29			100	29.3/Y		
30					SM	Silty fine SAND, odor.
31			100	20.3/Y		
32					SP	Fine SAND, no visual indications of NAPL. Water encountered at 33 feet.
33			100	9.4/N		
34						
35			100	11.3/N		
36						
37	SO305		100	3.8/N		
38						
39						Total depth 39 feet. Backfilled with sand to 38 feet.
40						

Well Completion



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

J.H. Baxter

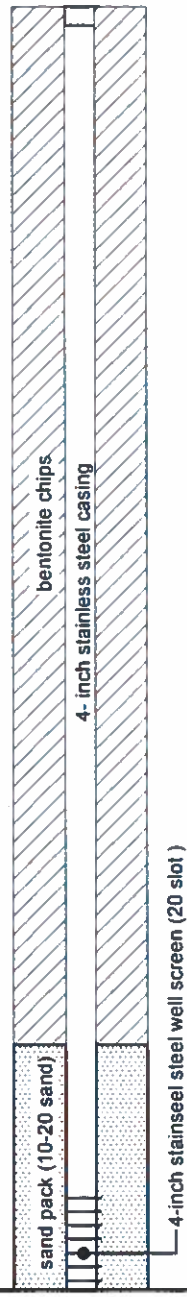
Monitoring Well ID: MW-13

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/28/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75 inch
Total Depth: 42 feet
Surface Elevation: 147.40
Stickup: -0.78

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0						FILL, angular road gravel.
1					SW-SM	SAND with silt and gravel, brown.
2			15			
3						
4					SW	SAND with gravel, black, trace wood chips.
5			70	0/N		
6						SAND with gravel, brown.
7	SO276		70	0/N		
8						color change to brownish gray
9			75	0/N		
10						
11	SO278		75	0/Y		
12						
13			75	0/Y		
14						color change to dark brown, residual NAPL observed
15			75	3.0/Y		
16						
17			75	4.9/Y		
18						

Well Completion



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Baxter

Monitoring Well ID: MW-13

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Well Completion
19	SO282		75	9.4/Y	SW	SAND with gravel, dark brown, mobile NAPL observed.	sand pack (10-20 sand); 4-inch stainless steel well screen (20 slot)
20							
21			75	13.9/Y			
22							
23			75	5.3/Y			
24							
25			80	12.8/Y			
26							
27			80	8.6/Y			
28					SP	Fine SAND, mobile NAPL observed.	
29			80	6.8/Y			
30							
31			80	5.6/Y			
32						Water encountered at 32 feet.	
33	SO289		80	6.4/Y			
34							
35			100	7.5/Y			
36						Same as before, residual NAPL observed.	
37			100	1.1/Y			
38							
39	SO292		100	1.1/Y			
40							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Monitoring Well ID: MW-13

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Well Completion
41		X	100	2.3/N	SP	Fine SAND as before.	sand backfill
42						Total depth 42 feet, backfilled to 37.	
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

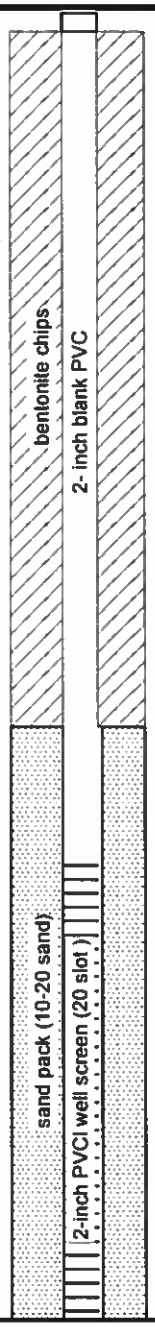
J.H. Baxter

Monitoring Well ID: MW-14

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 8/22/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 6.75 inch
Total Depth: 38 feet
Surface Elevation: 139.88
Stickup: 1.82

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0–2	SO125		10	0/N		FILL, coarse gravel with sand and silt.
2–4			10	0/N	SW	SAND, trace gravel.
4–9			80	0/N	SP	SAND with gravel, medium to coarse sand, 20 - 30% gravel.
9–14			100	0/N	SW	SAND with gravel, gray.
14–18			75	0/N		



Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Monitoring Well ID: MW-14

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Well Completion
19					SW	SAND with gravel, gray.	sand pack (10-20 sand); 2-inch PVCl well screen (20 slot)
20, 21, 22, 23, 24			100	0/N		Fine to medium SAND, brownish gray.	
25, 26, 27, 28, 29			100	0/N	SP	Water encountered at 28 feet.	
30, 31, 32, 33, 34			100	0/N			
35, 36, 37, 38			100	0/N		Same as before with trace gravel.	
39, 40						Total depth 38 feet.	

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

J.Baxter

Monitoring Well ID: MW-15

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 10/14/2002
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Continuous core
Borehole Diameter: 8-inch
Total Depth: 50 feet
Surface Elevation:
Stickup:

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm) /Sheen	Group Symbol	Lithologic Description
0–2		X	100		SM	Silty SAND with gravel, brown.
2–5		X	100		SW	SAND with gravel, brown.
5–8		X	10		SW	
8–11		X	10		SW	
11–13		X	90		SW	SAND, brown, trace gravel.
13–15		X	80		SW / SP	SAND with gravel, brownish gray. Fine SAND, brownish gray.
15–18		X	75		SW	SAND, trace gravel, brownish gray. SAND with gravel, brownish gray.
18		X				

Well Completion: bentonite chips; 2- inch blank PVC

☒ Sample submitted for analysis ☒ Sample examined ▼ Static water level ▽ Initial water level

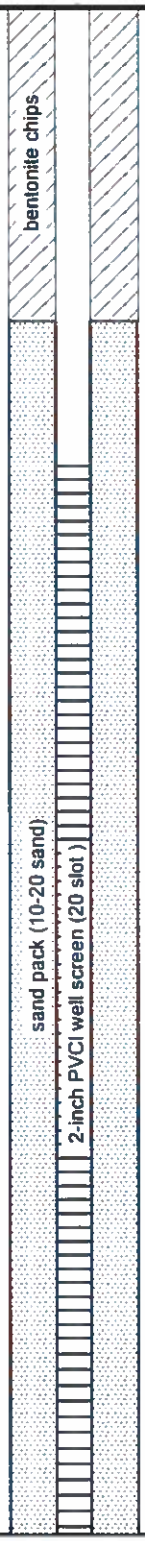
N- No sheen observed S- Sheen observed

PREMIER

Monitoring Well ID: MW-15

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description
19			100		SW	SAND, trace gravel, brownish gray.
20						
21			90			
22						
23			95			
24						
25			100			Same as before, no gravel.
26						SAND, trace gravel, brownish gray.
27						
28			100		SP	Medium to coarse SAND, brownish gray.
29						
30			100			
31						
32			100			
33						
34			100			
35						Coarse SAND, brownish gray.
36			100			Medium SAND, brownish gray.
37						
38			100		SW	SAND, brownish gray.
39						
40						Water encountered at 40 feet.

Well Completion



Sample submitted for analysis | Sample examined | Static water level | Initial water level

N- No sheen observed S- Sheen observed

PREMIER

Baxter

Monitoring Well ID: MW-15

Depth (ft)	Sample Number	Sample Interval	% Recovery	PID (ppm)/ Sheen	Group Symbol	Lithologic Description	Well Completion
41			100		SW	SAND, brownish gray, wet.	sand pack (10-20 sand); 2-inch PVCl well screen (20 slot)
42							
43							
44							
45							
46							
47							
48							
49							
50							
51						Total depth 50 feet.	
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							

Sample submitted for analysis Sample examined Static water level Initial water level

N- No sheen observed S- Sheen observed

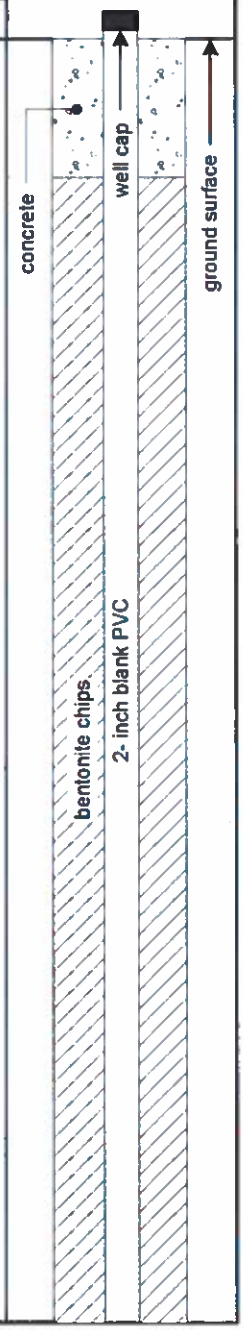
PREMIER

Monitoring Well ID: MW-16

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/29/2003
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Split Spoon
Borehole Diameter: 8-inch
Total Depth: 50 feet
Depth to Water: 40 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Count	Group Symbol	Lithologic Description
5–6		X	50	14 22 30	SW	SAND with gravel, tan to brown
10–11	SO4000	X	50	14 28 33	SW	SAND, grayish brown, trace gravel.
15–16		X	50	50/6	SW	SAND with gravel, brownish gray.



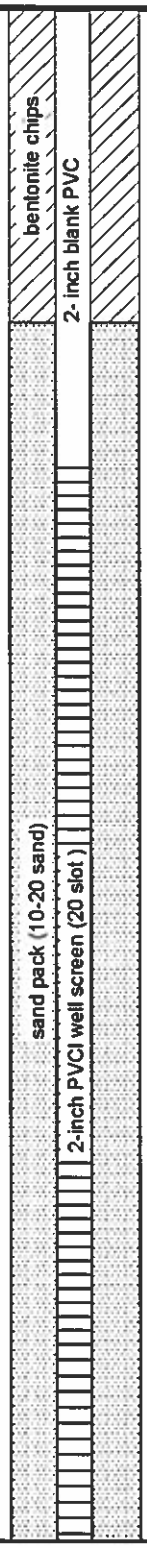
Sample submitted to laboratory - on hold | Sample examined | Static water level | Initial water level

PREMIER

Monitoring Well ID: MW-16

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description
19					SW	SAND, trace gravel, brownish gray.
20–25	SO4001		100	17 23 29	SM	Fine SILTY SAND, tan to brown.
25–30			100	50/6	GW	GRAVEL with sand, gray.
30–35			70	30 50/6	SW	SAND, gray.
35–40			100	34 35 41	SP	Fine to medium SAND, gray.
40				25		Water encountered at 40 feet.

Well Completion



Sample submitted to laboratory - on hold | Sample examined | Static water level | Initial water level

PREMIER

JHaxter

Monitoring Well ID: MW-16

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description	Well Completion
41	SO4002		100	36 38	SP	Fine to medium SAND, gray.	sand pack (10-20 sand) 2-inch PVCl well screen (20 slot)
42							
43							
44							
45			100	50/6			
46							
47							
48							
49							
50			100	50/6		Total depth 50 feet.	
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							

Sample submitted to laboratory - on hold Sample examined Static water level Initial water level

PREMIER

J.H. Baxter

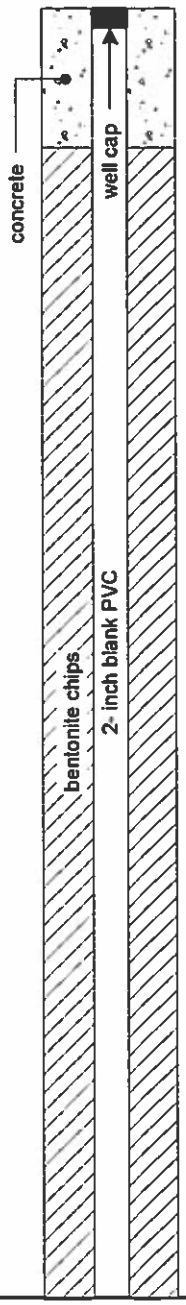
Monitoring Well ID: MW-17

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/30/2003
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Split Spoon
Borehole Diameter: 8-inch
Total Depth: 55 feet
Depth to Water: 44 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Count	Group Symbol	Lithologic Description
0–5					SP	Fine to medium SAND with gravel, tan to brown.
5–6		☒	75	10 18 20		
10–11	SO4003	☒	50	50/6	SP-GP	Fine to medium sandy GRAVEL, brownish gray.
15–16		☒	75	50 30 36	GW	GRAVEL with sand, grayish brown.

Well Completion



☒ Sample submitted to laboratory - on hold ☒ Sample examined ▼ Static water level ▽ Initial water level

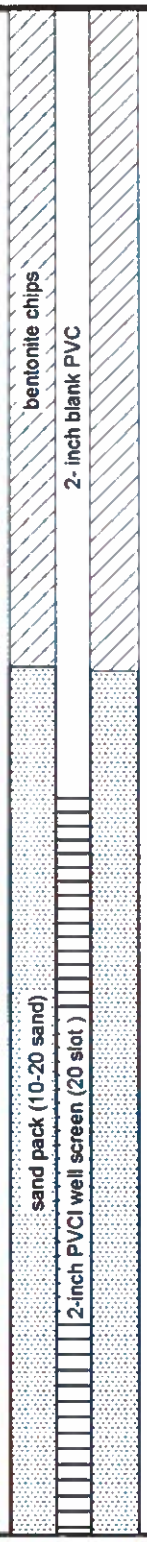
PREMIER

Baxter

Monitoring Well ID: MW-17

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description
19					GW	GRAVEL with sand, grayish brown.
20–21	SO4004		100	27 28 30	SP	Medium to coarse SAND, gray.
22–24					SP	Coarse SAND with gravel, gray.
25–26			90	18 36 50	SP	Coarse SAND with gravel, gray.
27–29					SP	Coarse SAND with gravel, gray.
30–31			25	80/6	GW	GRAVEL with coarse sand, gray.
32–34					GW	GRAVEL with coarse sand, gray.
35–36			75	50/6	SP	Coarse SAND with gravel, gray.
37–39					SP	Coarse SAND with gravel, gray.
40			50	100/5	GW	GRAVEL with coarse sand, gray.

Well Completion



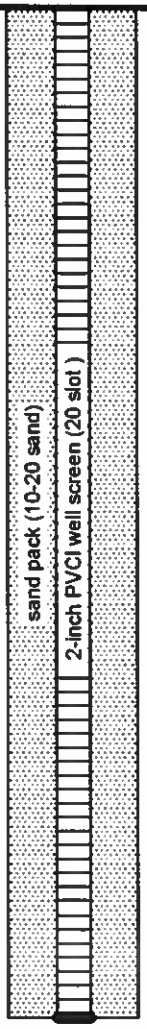
Sample submitted to laboratory - on hold | Sample examined | Static water level | Initial water level

PREMIER

Monitoring Well ID: MW-17

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description
41			50		GW	GRAVEL with coarse sand, gray.
42						
43						
44						Water encountered at 44 feet.
45					SP	Fine SAND, gray, trace silt, wet.
46	SO4005		100	20 50		
47						
48						
49						
50						Fine SAND, gray, wet.
51			100	20 50/4		
52						
53						
54						Heaving sands, no sample collected.
55						Total depth 55 feet.
56						
57						
58						
59						
60						
61						
62						

Well Completion



Sample submitted to laboratory - on hold Sample examined Static water level Initial water level

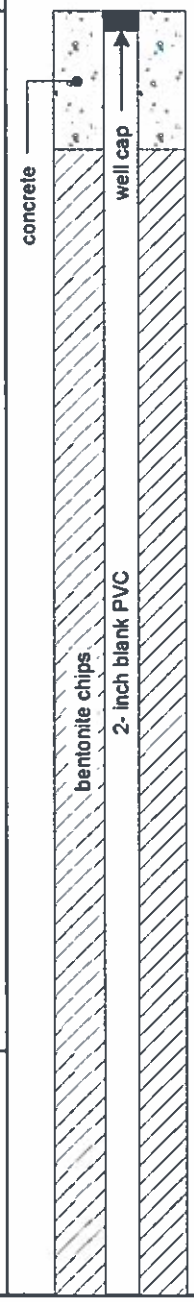
PREMIER

Project: J.H. Baxter & Co. - Arlington Facility
Location: Arlington, WA
Contract Number: 201029
Geologist/Engineer: Evalyn Albright
Drilling Date(s): 9/30/2003
Drilling Contractor: Cascade Drilling

Drilling Method: Hollow Stem Auger
Sampling Method: Split Spoon
Borehole Diameter: 8-inch
Total Depth: 55 feet
Depth to Water: 45 feet
Surface Elevation:

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Count	Group Symbol	Lithologic Description
0						
1						
2						
3						
4						
5						
6			50	14 20 24	GW	Gravel with sand, gray.
7						
8						
9						
10						
11	SO4006		70	18 30 32		Same as before.
12						
13						
14						
15						
16			75	30 32 34	SP	Coarse SAND with gravel, gray.
17						
18						

Well Completion



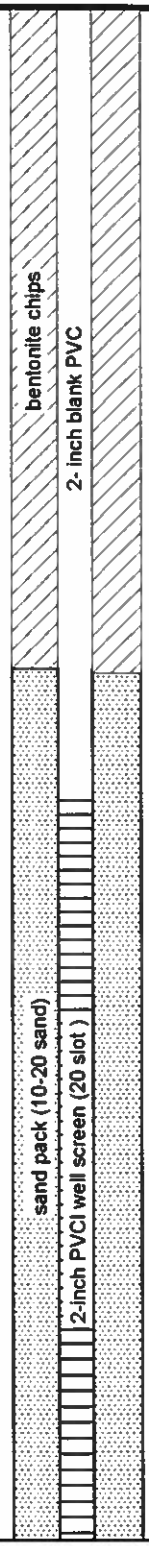
Sample submitted to laboratory - on hold | Sample examined | Static water level | Initial water level

PREMIER

Monitoring Well ID: MW-18

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description
19					SP	Coarse SAND with gravel, gray.
20	SO4007		100	20 23 26	SP	Medium to coarse SAND, grayish brown.
21					SP	
22					SP	
23					SP	
24					SP	
25			100	50/6	SP	Coarse SAND with gravel, gray.
26					SP	
27					SP	
28					SP	
29					SP	
30			100	32 40 46	SP	Medium to coarse SAND, gray.
31					SP	
32					SP	
33					SP	
34					SP	
35			100	20 28 33	SW	SAND with gravel, gray.
36					SM	Very fine SILTY SAND.
37					SW	SAND with gravel, gray.
38					SW	
39					SW	
40			100	18	SP	Fine SAND, brownish gray.

Well Completion

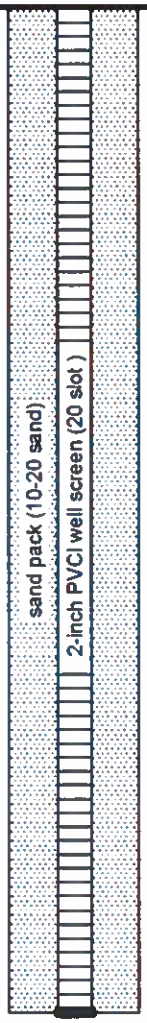


Sample submitted to laboratory - on hold | Sample examined | Static water level | Initial water level

JHaxter

Monitoring Well ID: MW-18

Depth (ft)	Sample Number	Sample Interval	% Recovery	Blow Counts	Group Symbol	Lithologic Description	Well Completion
41			100	21 26		Fine SAND, brownish gray.	
42							
43							
44							
45	SO4008		100	23 26 29	SP	Same as before, color change to gray, wet. Water encountered at 45 feet.	
46							
47							
48							
49							
50			80	31 50		Same as before, trace silt.	
51							
52							
53							
54						Heaving sands, no sample collected.	
55						Total depth 55 feet.	
56							
57							
58							
59							
60							
61							
62							



Sample submitted to laboratory - on hold Sample examined Static water level Initial water level

PREMIER