

B-1-1999

Surface Elevation: 234
 Boring Date: 11/2/99
 Boring Location: West Side of Building
 Drilling Method: Auger HD-1

Depth	Remarks	Moisture (%)	Dry Density	Blow Counts	Sample Type	Water Table
0	Type Remark here		2 3 5			FL
5			20			CO
10	fine content=34%	27	12 23 23	☑		
		23	52			
		20	31	☐		
15	heave noted	16	38 60/4"	☒		SM
		18	50/5"	☒		
20		27	12 15	☒		
			23	☐		
			12/4"	☐		
25	van shear stress = 2 tsf	23	12	☐		GWS
			38	☒		
			35	☐		
30	no recovery	35	12 12/5"	☐		
35						END

Dense, moist, brown-gray SAND (Fill) .

Stiff, moist to wet, black-reddish brown PEAT.

grades to wet, very soft gray-black peaty clayey SILT

Dense, wet, black to dark gray SAND with occasional wood and organics.

grades to wet, very soft gray-black peaty clayey SILT.

Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.

 becomes gray SILT mixed with REFUSE

LOG OF BORING



CIVILTECH SOFTWARE

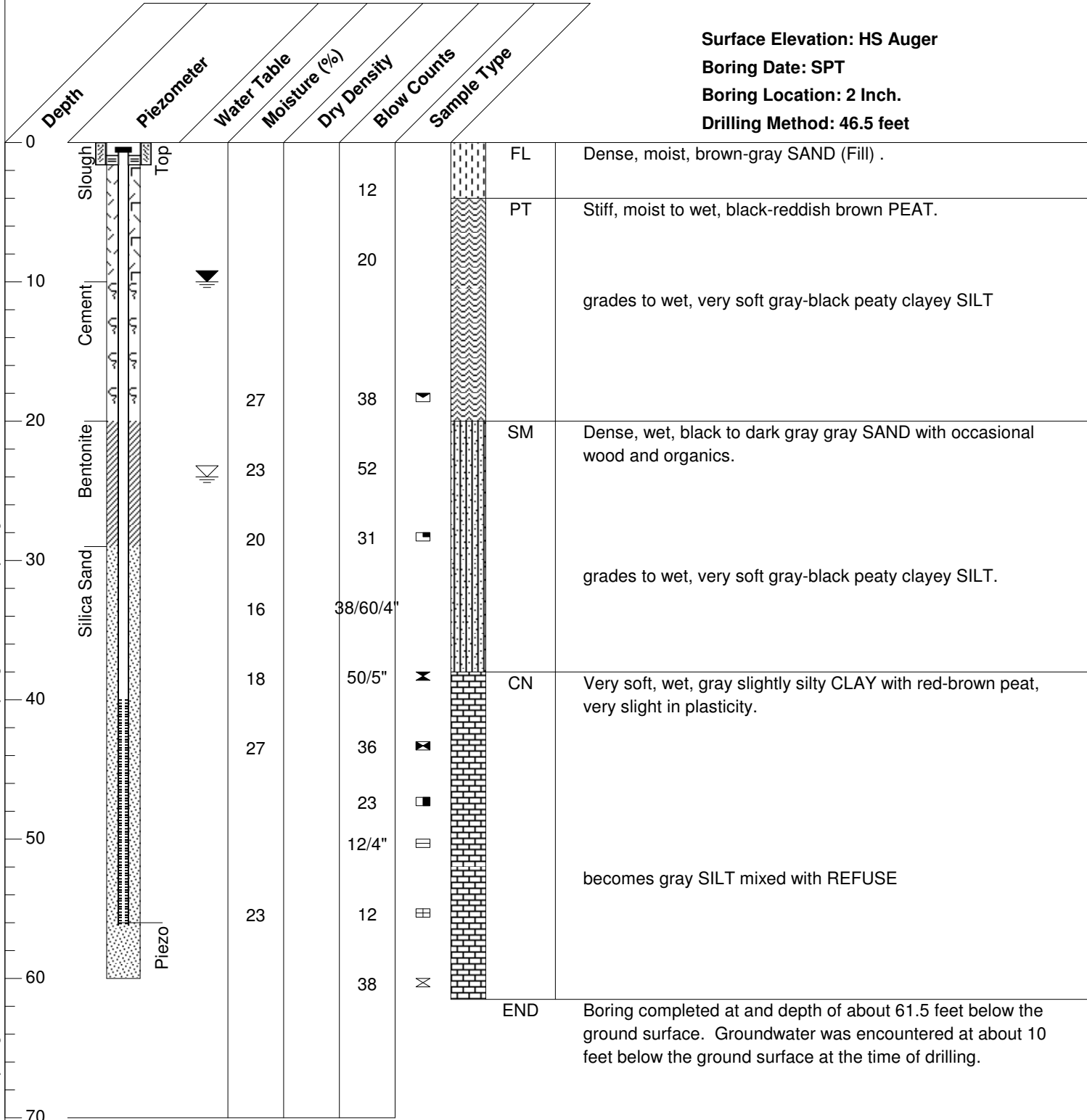
RIVERFROT COMDOM
 Project No. EVERETT, WASHINGTON

Plate 1

B-1-1999

Surface Elevation: HS Auger
 Boring Date: SPT
 Boring Location: 2 Inch.
 Drilling Method: 46.5 feet

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\EX02_piez.log Date: 09/04/08



LOG OF BORING



CIVILTECH SOFTWARE

RIVERFROT COMDOM
 Project No. EVERETT, WASHINGTON

Plate 2

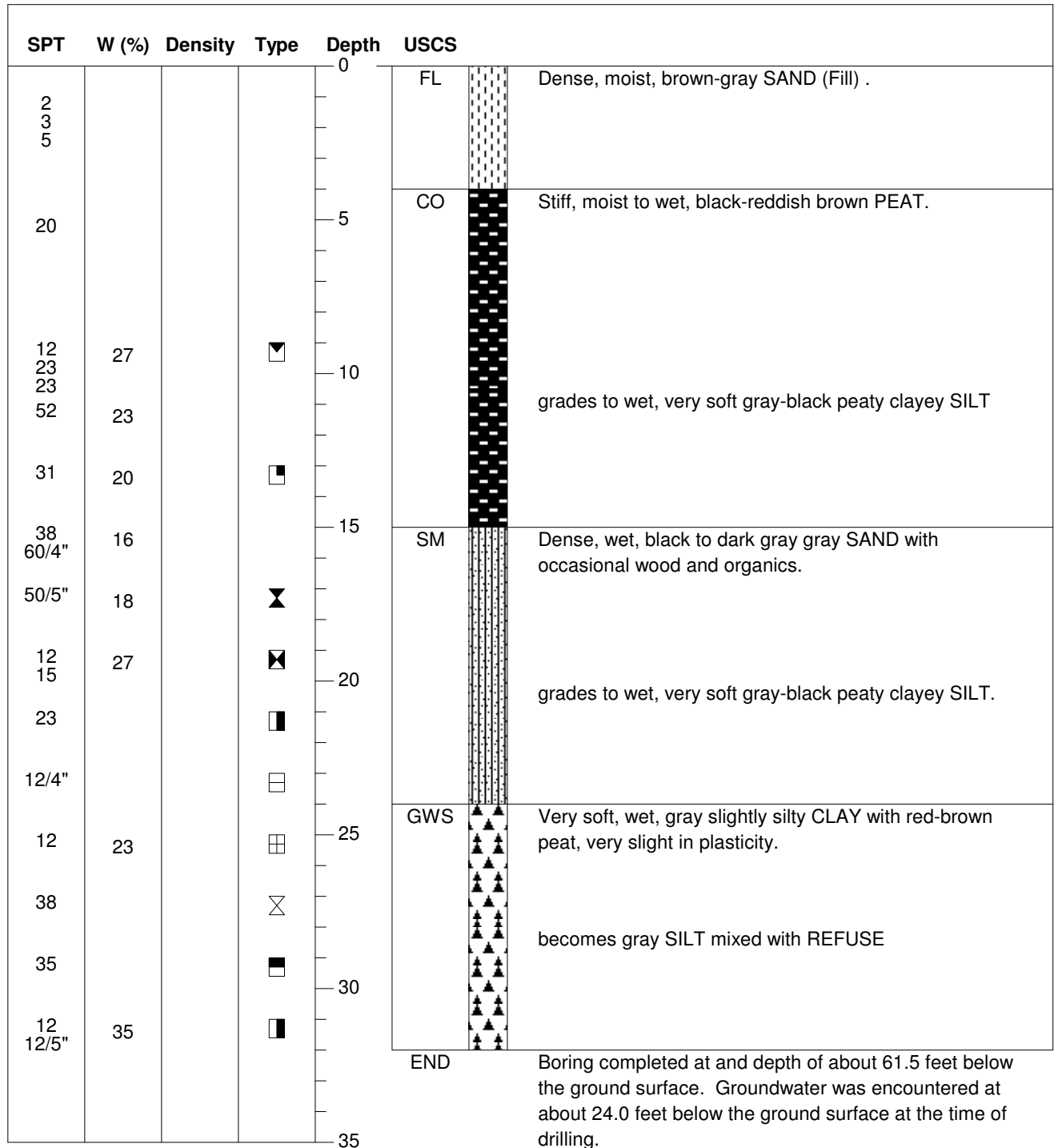
B-1-1999

Logged by: 11/2/99

Elevation: 234

Log Date: West Side of Building

Drilling Date: Auger HD-1



SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\Ex03.log Date: 09/04/08



B-1-1999

Project: RIVERFROT COMDOM
 Drill Rig: Auger F-123
 Initial GW Depth: 10 feet

Date: 2/3/99
 Hole Dia: 2 Inch.
 Final GW: 46.5 feet

Logged By: 10' BGS ATD
 Sampler: HKJ
 Hole Elev: 123

Description	USCS Class	Graphic Log	Depth	Water	Sample	Penetration	Remarks
Dense, moist, brown-gray SAND (Fill) .	FL		0				Type Remark here
Stiff, moist to wet, black-reddish brown PEAT.	PT		5	▼			
grades to wet, very soft gray-black peaty clayey SILT			10				fine content=34%
Dense, wet, black to dark gray gray SAND with occasional wood and organics.	SM		20		▼		
grades to wet, very soft gray-black peaty clayey SILT.			30		■		
			35				

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\Ex04_note.log Date: 09/04/08

Notes:
 This is note. It shows on report.

B-1-1999

Project: RIVERFROT COMDOM

Date: 11/2/99

Logged By: WJS

Drill Rig:

Hole Dia: 2 inch

Sampler: CGF

Initial GW Depth: 234

Final GW: 256

Hole Elev: 200



Description	USCS Class	Graphic Log	Depth	Water	Sample	Penetration	Remarks
Dense, moist, brown-gray SAND (Fill) .	FL		0			2 3 5	Type Remark here
Stiff, moist to wet, black-reddish brown PEAT.	CO		5			20	
grades to wet, very soft gray-black peaty clayey SILT			10			12 23 23 52	fine content=34%
Dense, wet, black to dark gray gray SAND with occasional wood and organics.	SM		15			38	
grades to wet, very soft gray-black peaty clayey SILT.			20			12 15 23	
Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	GWS		25			12/4"	
becomes gray SILT mixed with REFUSE			30			12	van shear stress = 2 tsf
Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 24.0 feet.	END		35			12	no recovery

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\Ex05_drw.log Date: 09/04/08



CivilTech Software
Bellevue, WA

Notes:

B-1-1999

Project: RIVERFROT COMDOM Date Drilled: 10' BGS ATD
 Drill Rig: HS Auger Logged By: HKJ
 Hole Dia.: 2 Inch. Sampler: TDG
 Initial Water Depth: 10 feet Hole Elev.: 32.5
 Final GW Depth: 46.5 feet Total Depth: 61.5 feet

Date: 09/04/08
 File: C:\Superlog4\PROJECT\EX06.log
 www.civilttech.com
 SuperLog CivilTech Software, USA

Description	Soil Type	Graphic Log	Soil Depth	Samples	SPT	Remarks
Dense, moist, brown-gray SAND (Fill) .	FL		0			
Stiff, moist to wet, black-reddish brown PEAT.	PT		10		12	Type Remark here
grades to wet, very soft gray-black peaty clayey SILT			20		20	
Dense, wet, black to dark gray gray SAND with occasional wood and organics.	SM		20		38	fine content=34%
grades to wet, very soft gray-black peaty clayey SILT.			30		52	
Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	CN		30		31	
becomes gray SILT mixed with REFUSE			40		38/60/4"	
			50		50/5"	heave noted
			60		36	
			70		23	
					12/4"	
					12	van shear stress = 2 tsf
Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 10 feet below the ground surface at the time of drilling.	END		60		38	

Boring Log

CivilTech Software

555 116th Ave. NE, Suite 180
Bellevue, WA 98004

B-1-1999







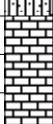


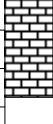
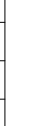

RIVERFROT COMDOM
EVERETT, WASHINGTON
AS3698

Page 7

Job Number:

Elevation:

Driller: Gregry Drilling		Drilling	Date:	Time:
Drill Method: Steam Auger		Started:	3/12/99	12:30 AM
Sample Method: 2" SPT		Finished:	3/12/99	4:30 PM
Borehold Diameter: 2 Inch.	Water Level : 10	Logged By: WFG		Checked By: CHL

Sample	Recovery	Blow Counts	PID/FID	Depth	Graphic Log	Materials Description	Moisture	Remarks
1		12		0		Dense, moist, brown-gray SAND (Fill) .		Type Remark here
2		20		10		Stiff, moist to wet, black-reddish brown PEAT.		
3				10		grades to wet, very soft gray-black peaty clayey SILT		fine content=34%
4	27	38		20		Dense, wet, black to dark gray gray SAND with occasional wood and organics.		
5	23	52		20				
6	20	31		30		grades to wet, very soft gray-black peaty clayey SILT.		
7	16	38/60/4"		30				heave noted
8	18	50/5"		40		Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		
9	27	36		50				van shear stress = 2 tsf
		23		50		becomes gray SILT mixed with REFUSE		
	23	12		60				
		38		60				
				61.5		Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 10 feet below the ground surface at the time of drilling.		
				70				

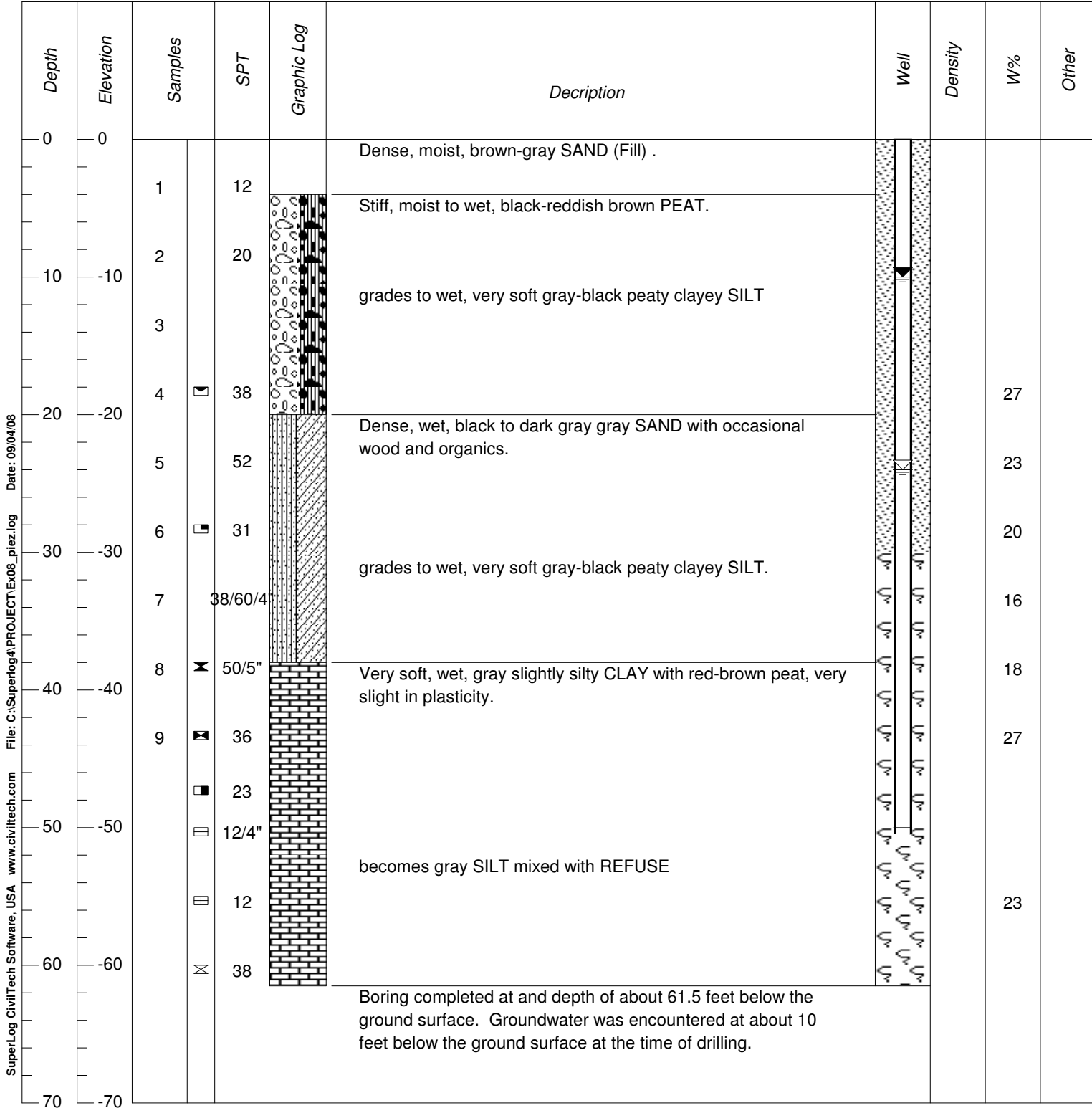
SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\Ex07.log Date: 09/04/08

B-1-1999

Date Drilled: Gregry Drilling

Driving Weight and Drop: Steam Auger

Elevation: 2" SPT



RIVERFROT COMDOM
EVERETT, WASHINGTON
AS3698



CivilTech Software

Geotechnical Engineering
and Applied Earth Sciences

Figure No. 8

B-1-1999

Client Name: City of Everett
 Date Drilled: Gregry Drilling
 Surface Elevation: 234
 Total Depth of Hole: 61.5

Depth	SPT	PID	Samples	Symbols	Materials Description	Water
0				FL	Dense, moist, brown-gray SAND (Fill) .	
2						
4	12			PT	Stiff, moist to wet, black-reddish brown PEAT.	
6						
8	20				grades to wet, very soft gray-black peaty clayey SILT	▼
10						
12						
14						
16						
18	38	27	☐			
20				SM	Dense, wet, black to dark gray gray SAND with occasional wood and organics.	
22						
24	52	23				▼
26						
28	31	20	☐			
30					grades to wet, very soft gray-black peaty clayey SILT.	
32						
34	38/60/4" 16					
36						
38	50/5"	18	☒	CN	Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	
40						

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\Ex09.log Date: 09/04/08

Job Number RIVERFROT COMDOM
 Location EVERETT, WASHINGTON



CivilTech Software
 Engineering and Environmental

Project: RIVERFROT COMDOM
EVERETT, WASHINGTON

B-1-1999

Boring Location: West Coenrt of teh Building

Date Started: 3/11/99 **Date Finished:** 3/12/99

Drilling Method: Steam Auger

Hammer Weight: 300# **Drop:** 30 Inches

Sampler: Split Spoon

Water encountered at 10 feet during drilling. It dropped down to 24 feet 5 days late.

Depth (feet)	Lithology	Material Description	Samples			Laboratory		
			Number	Type	SPT	W%	Density	UU (psf)
Surface Elevation: 234								
0		Dense, moist, brown-gray SAND (Fill) .						
		Stiff, moist to wet, black-reddish brown PEAT.	1		12			120
10		grades to wet, very soft gray-black peaty clayey SILT	2		20		120	
			3					
			4	☐	38	27		
20		Dense, wet, black to dark gray gray SAND with occasional wood and organics.	5		52	23	98	250
			6	☐	31	20		
		grades to wet, very soft gray-black peaty clayey SILT.	7		38/60/4"	16		
			8	⊗	50/5"	18		
40		Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	9	⊗	36	27	68	500
			10	☐	23			
			11	☐	12/4"		110	
		becomes gray SILT mixed with REFUSE	12	☐	12	23	120	275
			13	⊗	38			
<p>Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 10 feet below the ground surface at the time of drilling.</p>								

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\Ex10.log Date: 09/04/08



CivilTech Software

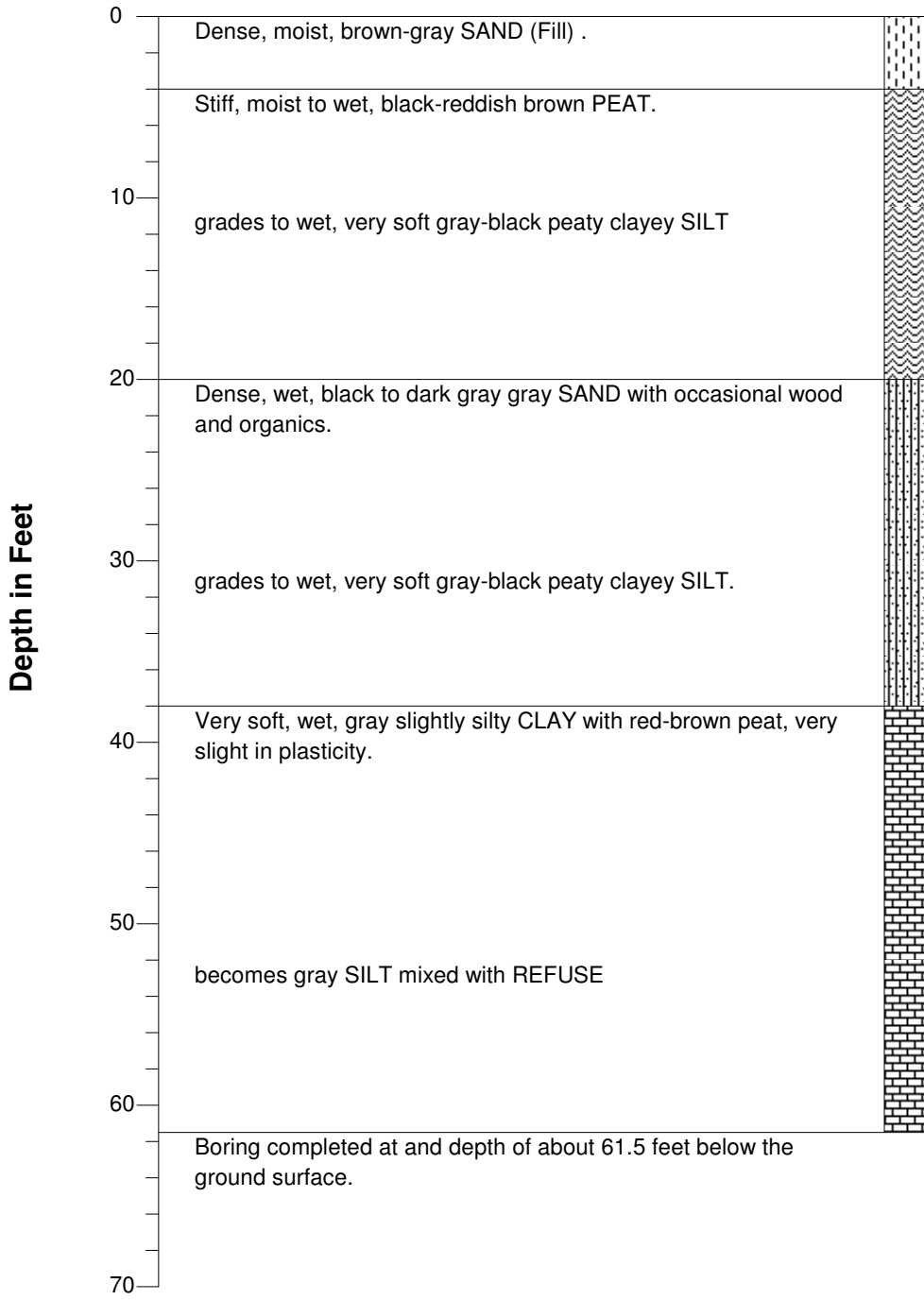
City of Everett

Plate A- 10

Monitoring Well No. 45-90

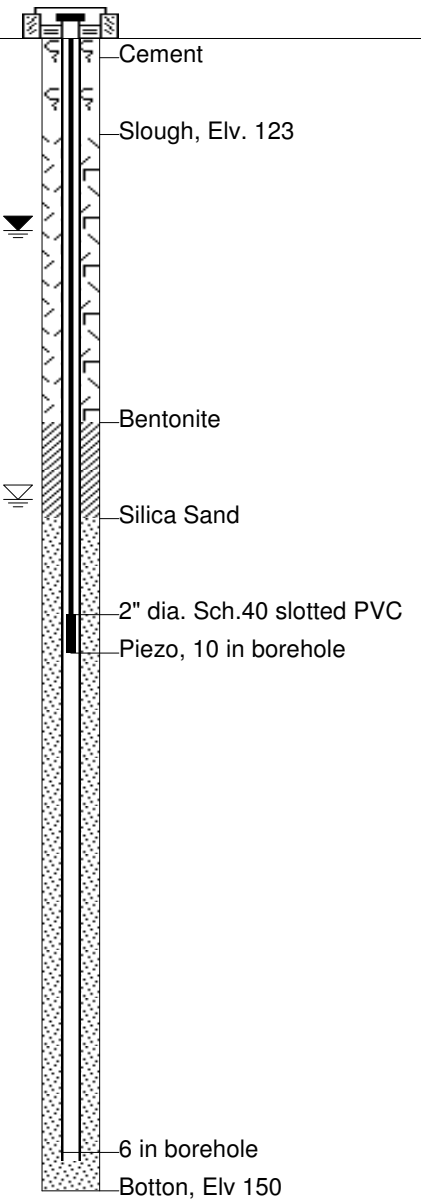
STRATIGRAPHY

Surface Elevation: 110



Graphic Log

WELL COMPLETION



Geologist: 2/23/99

Elevation: Tacoma Drilling

Date Drilled: Hollow Stem, Continuous Flight, 6" Auger Boring Depth: 10 feet

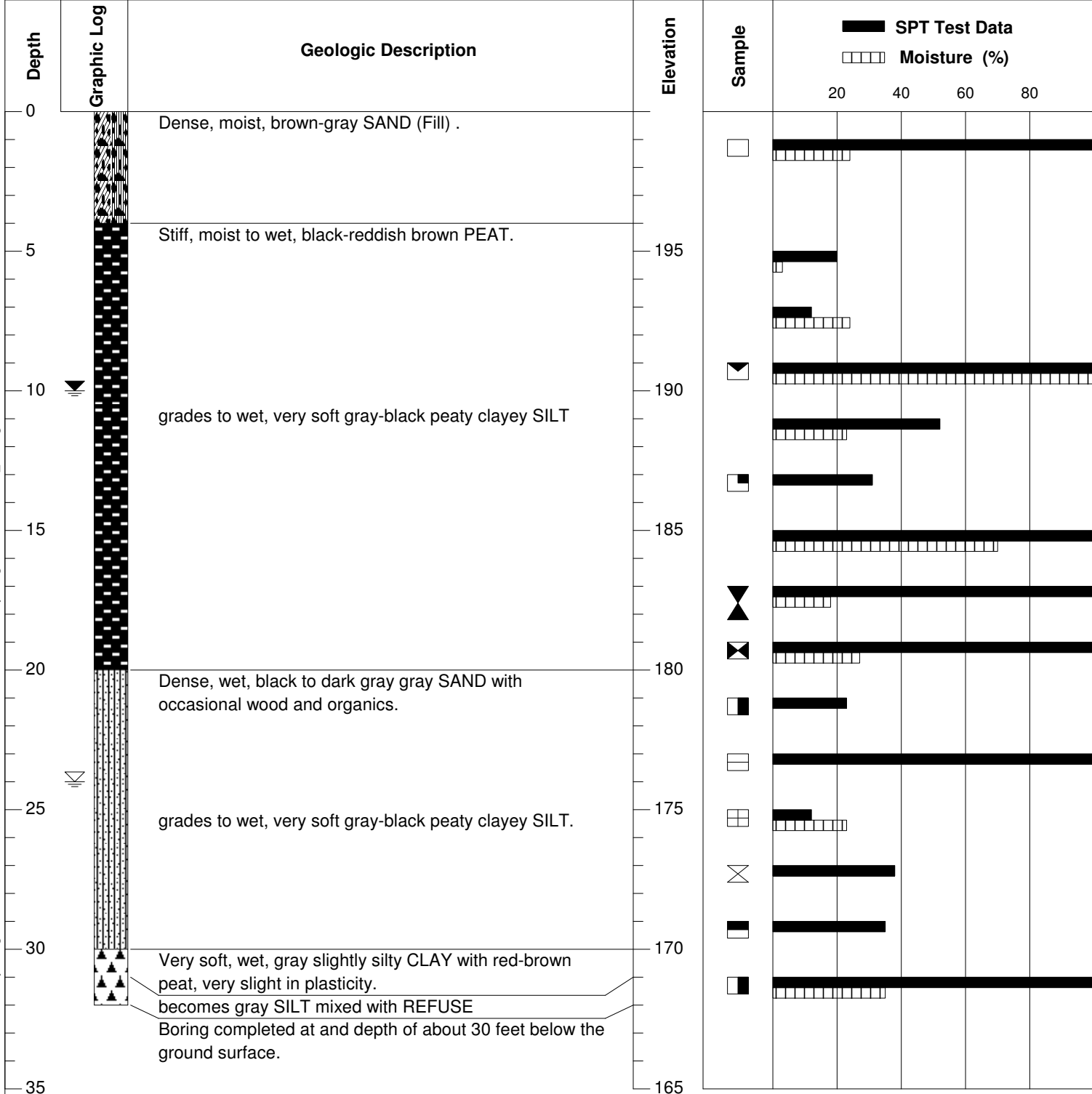
Driller: Pnumatic Downhole Hammer

Water Level: 300#

Drilling Method: 2" OD Split- spoon

This is remarks. This is for typing text, text, text, all you want to type for the boring is here. Up to 255 words can be typed in here. Here, here, here, here.

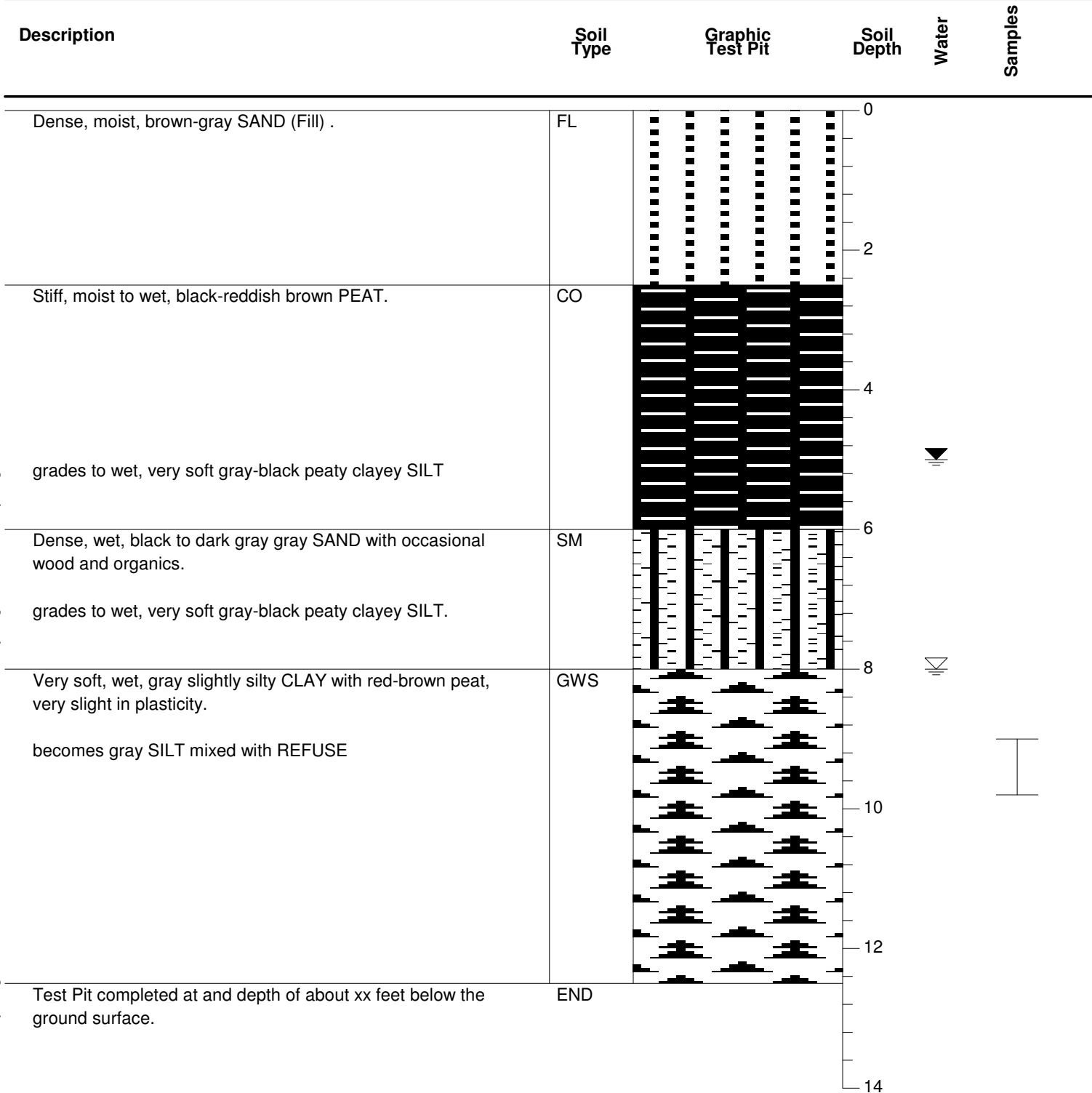
SuperLog CivilTech Software, USA www.civiltech.com Date: 09/04/08 File: C:\Superlog\PROJECT\Ex12_Tet.log



TEST PIT TP-1-1999

Project RIVERFROT COMDOM
 Project No: SD97869
 Client: Washington Stat
 Location: West Building
 Elevation: 123

Exc. Date: 12/2/98
 Exc. Depth: 12 feet
 Logged By: GHF
 Plotted By: HJK
 Water Level: 5 feet



SuperLog CivilTech Software, USA www.civiltch.com
 File: C:\Superlog4\PROJECT\Ex13_pit.log Date: 09/04/08

Test Pit



CivilTech Software

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Bellevue, WA 98004

B-1-1999

RIVERFROT COMDOM
EVERETT, WASHINGTON
AS3698

Page 14

Job Number:

Elevation:

Driller: Gregry Drilling		Drilling	Date:	Time:
Drill Method: Steam Auger		Started:	3/12/99	12:30 AM
Sample Method: 2" SPT		Finished:	3/12/99	4:30 PM
Borehold Diameter: 2 Inch.	Water Level : 10	Logged By: WFG		Checked By: CHL

Sample	Recovery	Blow Counts	Samples	Depth	Graphic Log	Materials Description	Well	Remarks
1		12		0		Dense, moist, brown-gray SAND (Fill) .		Well Information
2		20		10		Stiff, moist to wet, black-reddish brown PEAT.		
3				10		grades to wet, very soft gray-black peaty clayey SILT		Well Information
4	27	38		20		Dense, wet, black to dark gray SAND with occasional wood and organics.		
5	23	52		20				Well Information
6	20	31		30		grades to wet, very soft gray-black peaty clayey SILT.		
7	16	38/60/4"		30				Well Information
8	18	50/5"		40		Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		
9	27	36		40				Well Information
		23		50		becomes gray SILT mixed with REFUSE		
	23	12		50				Well Information
		38		60				
				60		Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 10 feet below the ground surface at the time of drilling.		
				70				











SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\Ex14_piez.log Date: 09/04/08

B-1-1999

RIVERFROT COMDOM EVERETT, WASHINGTON

Drill Rig: HS Auger
 Sampling: SPT
 Logged By: 2 Inch.
 Total Depth: 46.5 feet
 Groundwater: 10' BGS ATD

Date Started: 3-19-99
 Date Completed: 3-22-99
 Elevation: 32.2 feet
 Coordinates: N 4503.9
 E 6981.03

Description	Graphic Log	Depth	Sample Type	SPT N-Value	MC (%)	Remarks
Dense, moist, brown-gray SAND (Fill) .		0				
Stiff, moist to wet, black-reddish brown PEAT.				12		Type Remark here
grades to wet, very soft gray-black peaty clayey SILT		10		20		
Dense, wet, black to dark gray gray SAND with occasional wood and organics.		20	☐	38	27	fine content=34%
grades to wet, very soft gray-black peaty clayey SILT.		30	☐	31	20	
Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		40	☒	50/5"	18	heave noted
becomes gray SILT mixed with REFUSE		50	☐	23	27	
			☐	12/4"	23	
			☐	12	23	van shear stress = 2 tsf
		60	☒	38		
Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 24.0 feet below the ground surface at the time of drilling.						
		70				

SuperLog CivilTech Software, USA www.civiltech.com
 File: C:\Superlog\PROJECT\Ex15.log Date: 09/04/08



CIVILTECH SOFTWARE



Location: City of Seattle

WO#: 2345-A

Method: Hollow Stem, Continous Flight, 6" Auger

Ground EL: 231

Hammer: Pnumatic Downhole Hammer

Hammer weight (lb): 300#

Hole depth (ft): 32

Sampler: 2" OD Split-spoon

Drop (in): 30

G.W.T. @ Drilling (ft): 10 feet

Sampled by: JKN

Driller: Tacoma Drilling

Drill Date: 2/23/99

Logged by: VNF

Depth	Strata	GWT	No.	Type	Blows Per 6"	USCS	Soil Description	SPT. blow/ft				Notes
								0	20	40	60	
0			1	□	2-3-5	GC-GM	Dense, moist, brown-gray SAND (Fill) .					Type Remark here
5			2		20	CO	Stiff, moist to wet, black-reddish brown PEAT.		○			
			3		12							
10			4	▣	12-23-23							fine content=34%
			5		52		grades to wet, very soft gray-black peaty clayey SILT					
			6	▣	31				○			
15			7		38-60/4"							
			8	▣	50/5"							heave noted
			9	▣	12-15							
20			10	▣	23	SM	Dense, wet, black to dark gray SAND with occasional wood and organics.					
			11	▣	12/4"							
25			12	▣	12		grades to wet, very soft gray-black peaty clayey SILT.					van shear stress = 2 tsf
			13	▣	38							
30			14	▣	35							
			15	▣	12-12/5"	GWS	Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.					no recovery
						END	becomes gray SILT mixed with REFUSE Boring completed at and depth of about 30 feet below the ground surface.					

Remarks:

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SuperLog CivilTech Software, USA www.civiltech.com Date: 09/04/08 File: C:\Superlog\PROJECT\Ex16_test.log



Company Name

B-1-1999

RIVERFROT COMDOM

Maintai Ranier
Washington



Project FGH

Driler Tacoma Drilling

Proj No. ED89698-23

Date West Side of Building

Drilling Method: Auger

Elevation: 234

Diameter: 2"

Water Table : 12

Logged by: Auger HD-1

Drawing 23

Sample No.	Sample Type	Recovery (%)	RQD (%)	Blow Count per 6 inches	Blows/Foot (N)	Water Table	Depth (ft BGS)	Graphic Log	Materials Description	Moisture (%)	Remarks
1				2-3-5			0	FL	Dense, moist, brown-gray SAND (Fill) .		Type Remark here
2				20			5	CO	Stiff, moist to wet, black-reddish brown PEAT.		
3											
4	☑			12-23-23	27		10		grades to wet, very soft gray-black peaty clayey SILT		fine content=34%
5				52	23						
6	■			31	20						
7				38-60/4"	16		15				
8	⊗			50/5"	18						heave noted
9	⊗			12-15	27		20	SM	Dense, wet, black to dark gray gray SAND with occasional wood and organics.		
10	■			23							
11	□			12/4"			25		grades to wet, very soft gray-black peaty clayey SILT.		van shear stress = 2 tsf
12	⊞			12	23						
13	⊗			38							
14	■			35			30	GWS	Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		no recovery
15	■			12-12/5"	35			END	becomes gray SILT mixed with REFUSE Boring completed at and depth of about xx feet below the ground surface.		

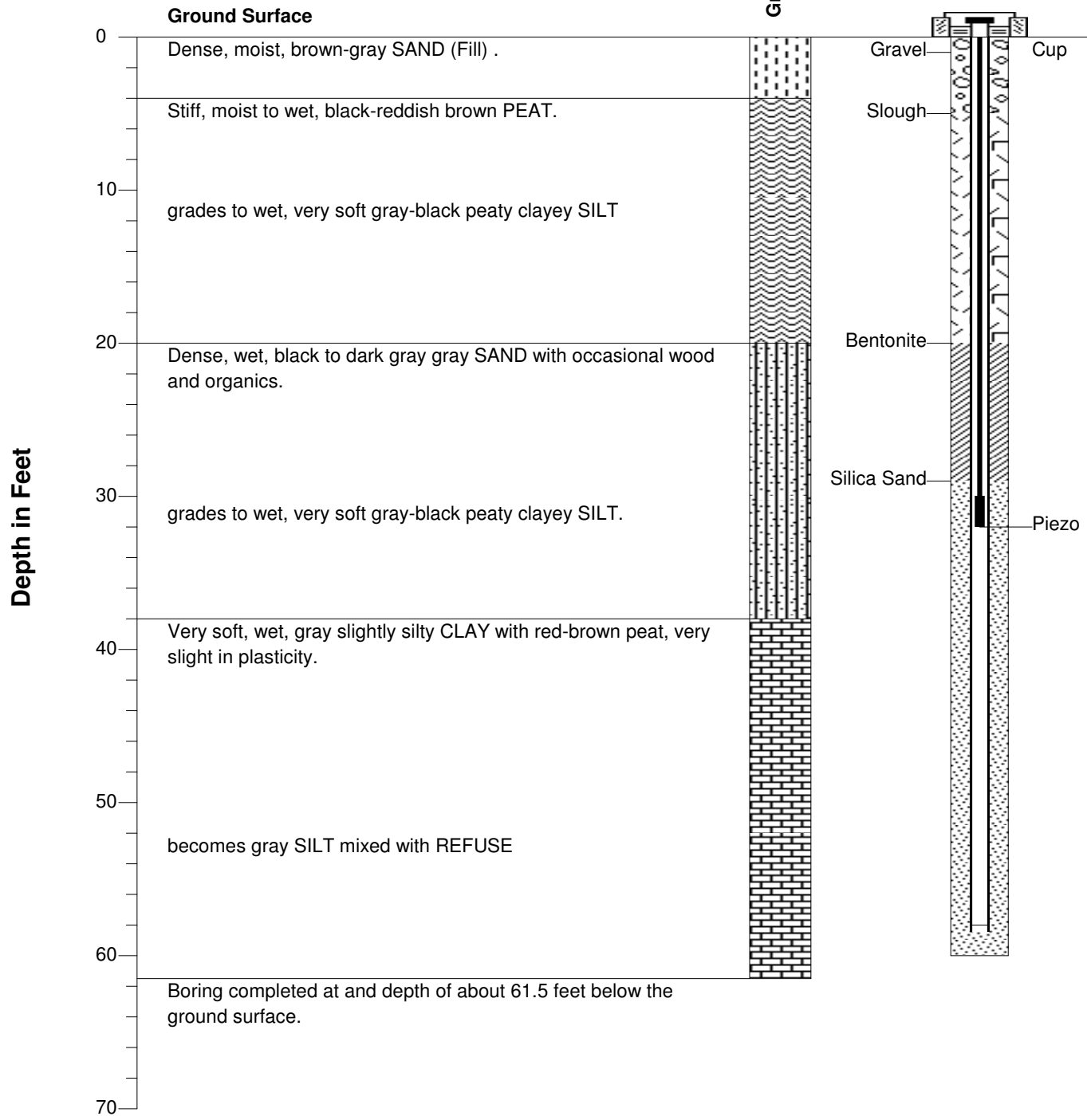
SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\EX17_drw.LOG Date: 09/04/08

STRATIGRAPHY

WELL COMPLETION

Drill Date: HS Auger
Surface Elevation: SPT

Graphic Log



B-1-1999

RIVERFROT COMDOM EVERETT, WASHINGTON

Stratigraphy and
Well Completion

Plate - 18



Company Logo

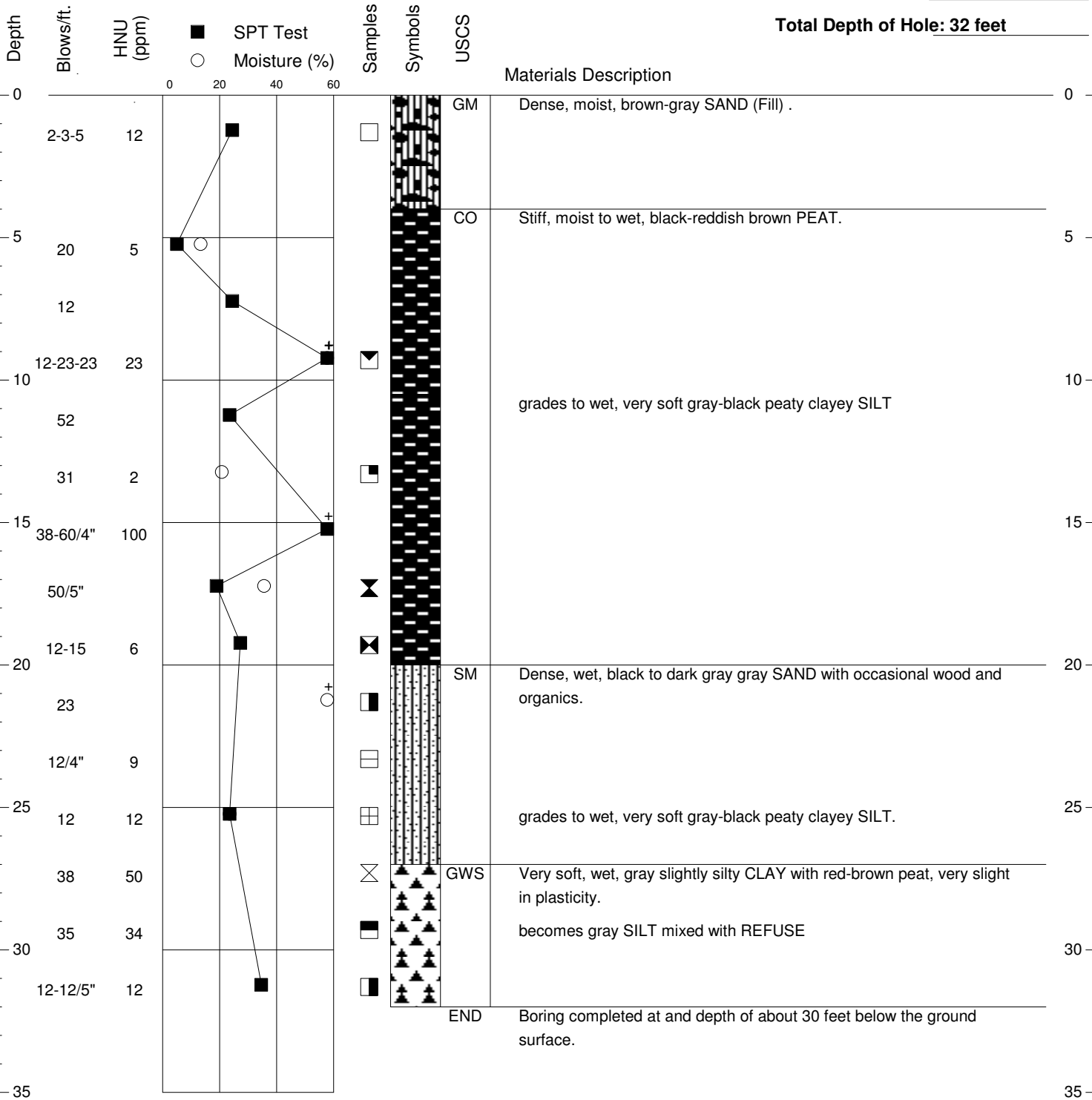
Boring: B-1-1999

Client Name: RIVERFROT COMDOM

Date Drilled: 12/12/89

Surface Elevation: 2/23/99

Total Depth of Hole: 32 feet



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Job Number: 2345-A
Location: City of Seattle



CivilTech Software

Your Firm Name

Boring Log No. B-1-1999 RIVERFRONT CONDOM

Location: City of Seattle

WO#: 2345-A

Method: Hollow Stem, Continous Flight, 6" Auger

Ground EL: 231

Hammer: Pnumatic Downhole Hammer

Hammer weight (lb): 300#

Hole depth (ft): 32

Sampler: 2" OD Split-spoon

Drop (in): 30

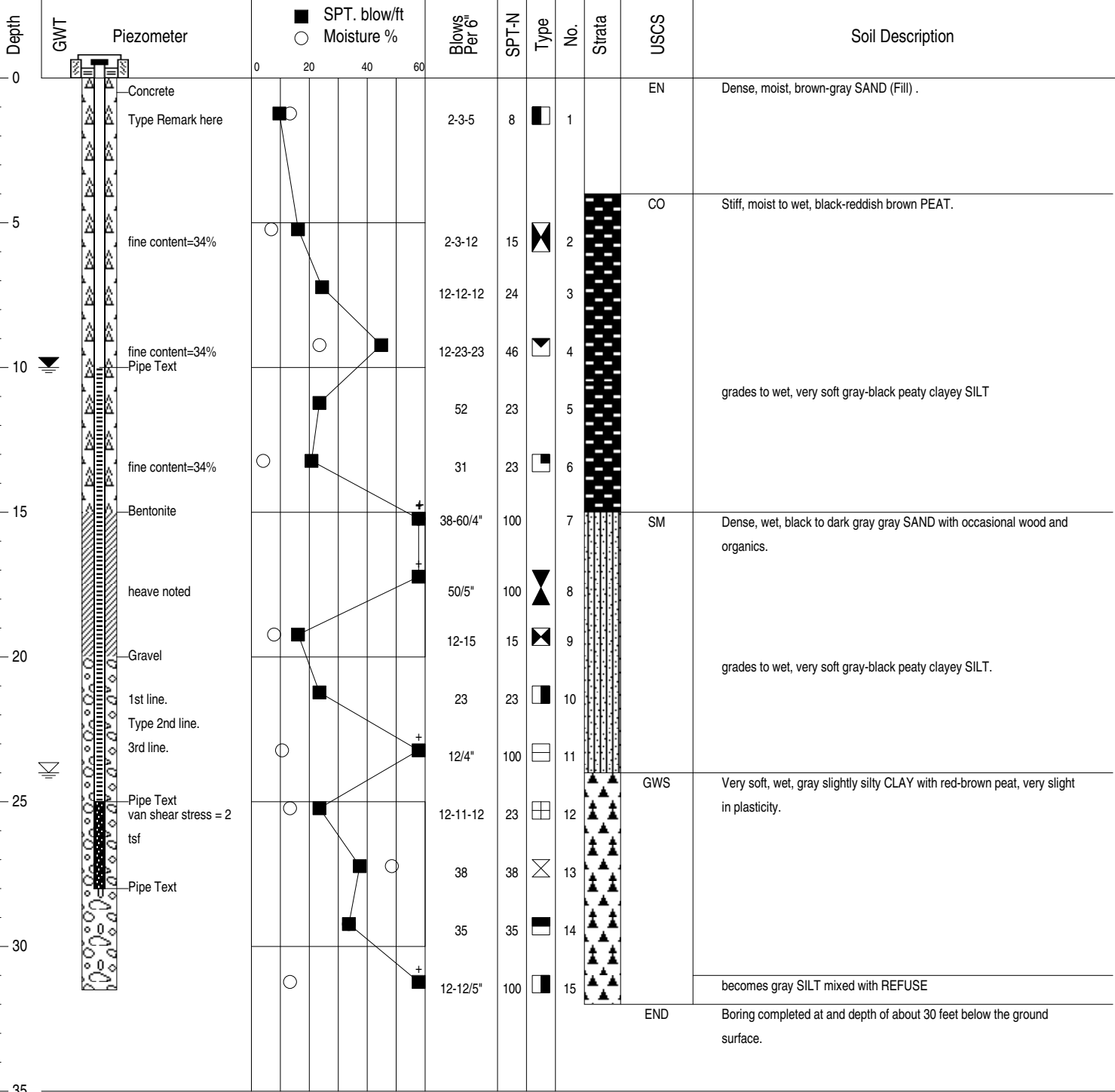
G.W.T. @ Drilling (ft): 10 feet

Sampled by: JKN

Driller: Tacoma Drilling

Drill Date: 2/23/99

Logged by: VNF



Remarks:

This is remarks. This is for typing text, text, text, all you want to type for the boring is here. Up to 255 words can be typed in here. Here, here, here, here.

Your Firm Name

Boring Log No. B-1-1999
RIVERFRONT CONDOM

Location: City of Seattle

WO#: 2345-A

Method: Hollow Stem, Continous Flight, 6" Auger

Ground EL: 231

Hammer: Pnumatic Downhole Hammer

Hammer weight (lb): 300#

Hole depth (ft): 32

Sampler: 2" OD Split-spoon

Drop (in): 30

G.W.T. @ Drilling (ft): 10 feet

Sampled by: JKN

Driller: Tacoma Drilling

Drill Date: 2/23/99

Logged by: VNF

Depth	GWT	Notes	SPT. blow/ft				Blows Per 6"	SPT-N	Type	No.	Strata	USCS	Soil Description
			0	20	40	60							
0		Type Remark here	■	○			2-3-5	8		1	GC-GM	Dense, moist, brown-gray SAND (Fill) .	
5		fine content=34%	○	■			2-3-12	15	⊗	2	CO	Stiff, moist to wet, black-reddish brown PEAT.	
10	☞	fine content=34%		○			12-12-12	24		3			
10				○			12-23-23	46	⊗	4			
15		fine content=34%	○	■			52	23		5		grades to wet, very soft gray-black peaty clayey SILT	
15				○			31	23	■	6			
15		heave noted		○			38-60/4"	100		7	SM	Dense, wet, black to dark gray gray SAND with occasional wood and organics.	
20				○			50/5"	100	⊗	8			
20		fine content=34%. Type new line.		○			12-15	15	⊗	9		grades to wet, very soft gray-black peaty clayey SILT.	
25	☞	van shear stress = 2 tsf		○			23	23	■	10			
25				○			12/4"	100	□	11			
25				○			12-11-12	23	□	12	GWS	Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	
30		no recovery		○			38	38	⊗	13			
30				○			35	35	■	14			
30				○			12-12/5"	100	■	15		becomes gray SILT mixed with REFUSE	
35											END	Boring completed at and depth of about 30 feet below the ground surface.	

Remarks:

This is remarks. This is for typing text, text, text, all you want to type for the boring is here. Up to 255 words can be typed in here. Here, here, here, here.

MY GEOTECHNICAL ENGINEERING, INC

BORING LOG NO. B-1-2000

PROJECT NAME: RIVERFRONT CONDOM			PROJECT NO. WS4687-3		
LOCATION: CAPITAL HILL 2346 STR.			GROUND EL.: 234		
DRILLER: JKN		LOGGER: SDF		HOLE DEPTH (ft): 24	
DRILL DATE: 8/23/00		METHOD: 8" Auger		LABORATORY TEST RESULTS	

SuperLog CivilTech Software, USA www.civiltech.com
 File: C:\Superlog\PROJECT\Ex23.log Date: 09/04/08

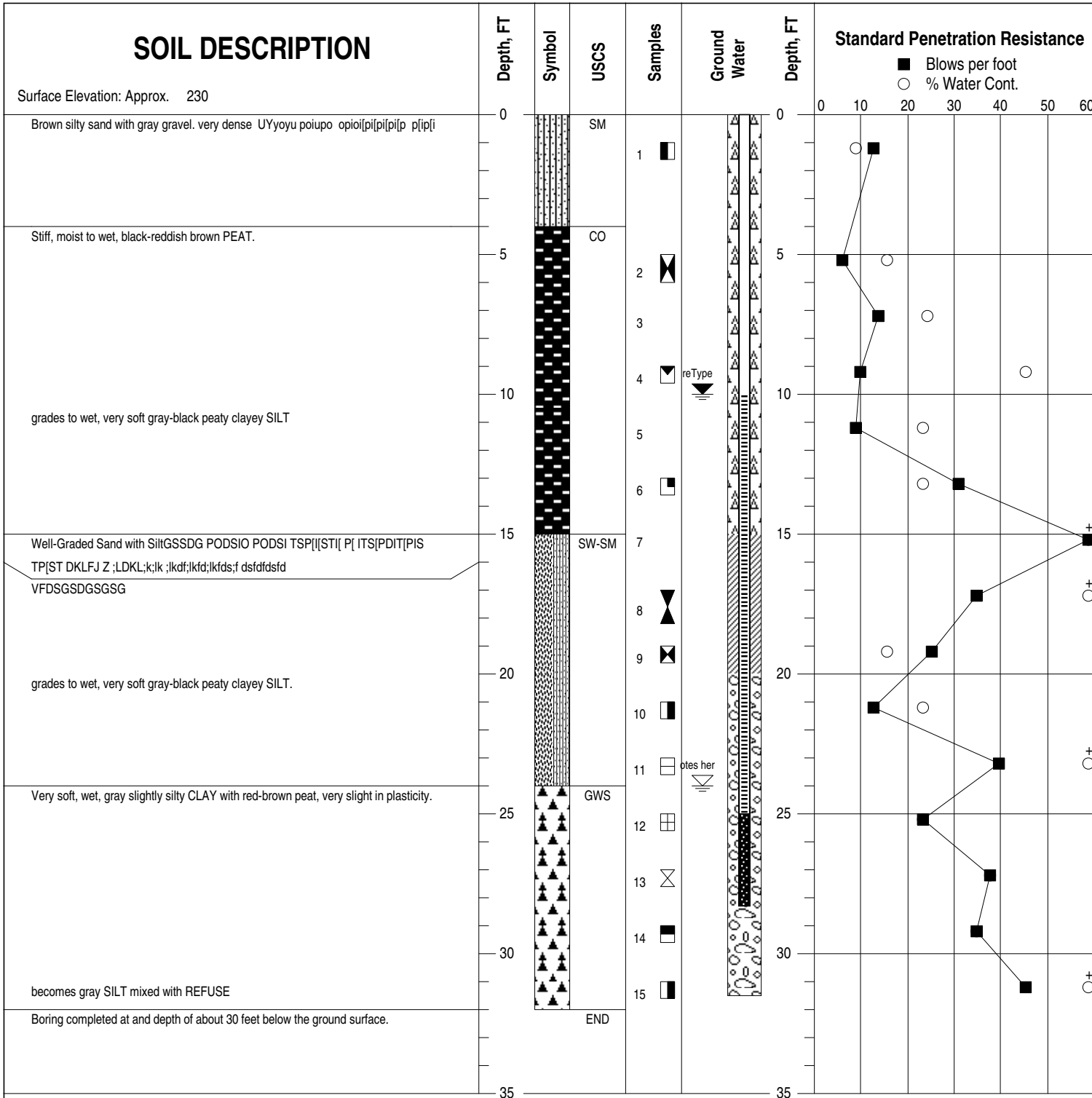
Depth	Elevation	Type No.	Recovery (in./in.)	Blows Per 6"	USCS	Soil Description	Moisture (%)	Liquid Limit	Plastic Limit	Dry Density (pcf)	Unconfined Compressive Strength (ksf)	Depth
0	200											0
		1		12	SM	Brown silty sand with gray gravel. very dense UYoyu poiupo opioi[pi[pi[pi[p p[ip[i	8	8		12		
5	195	2		5	CO	Stiff, moist to wet, black-reddish brown PEAT.	15	15		5		5
		3		13			24	24				
10	190	4		9			46	46		23	22	10
		5		8		grades to wet, very soft gray-black peaty clayey SILT	23	23			122	
		6		31			23	20		2		
15	185	7		60	GM	Silty Gravels VFDSGSDGSGSG	100	100		100	22	15
		8		35			100	100			100	
20	180	9		25			15	15		6		20
		10		12		grades to wet, very soft gray-black peaty clayey SILT.	23	23			12	
		11		40			100	100		9		
25	175	12		23	GWS	Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.	23	23		12	23	25
		13		38			38	38		50		
		14		35			35	34		34		30
30	170	15		46		becomes gray SILT mixed with REFUSE	100	100		12		
					END	Boring completed at and depth of about 30 feet below the ground surface.						
35	165											35

Remarks:

Type your notes here. Type your notes here. Type your notes here. Type your notes here. Type your notes here. Type your notes here.

SOIL DESCRIPTION

Surface Elevation: Approx. 230



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Type Notes here e oi poup roeuuuew[u reu re eur uewopu roewu rpo rpewir ewirp ir
iew ew p iewr r rew i[pieri w]p epwir i p[ewir we[piewr p] pew [pewir [pe priew
e[r]r[pewi epewi reiw [pewi r]pe[pew peir pewir p]pe iw]p[ie wpir]pirr

Date Completed: 8/23/00
 Driller: Gragy Drilling
 Equipment: Hollow Stem, Continous Flight
 Drilling Method: 6" Auger
 Hammer System: Downhole 144# Hammer

RIVERFRONT CONDOM
CAPITAL HILL 2346 STR.



SEATTLE PUBLIC UTILITIES
MATERIALS LABORATORY

LOG OF BORING B-1-2000

WA 67897A-2

FIGURE A- 21

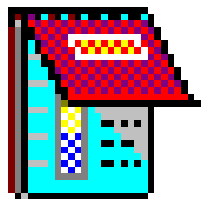
Logged by: JKN

Reviewed by: VNF

DRILL RIG Auger steam	SURFACE ELEVATION 234	LOGGED BY WRS
DEPTH TO GROUNDWATER 24	BORING DIAMETER 8" -inch	DATE DRILLED 12/24/00

DESCRIPTION AND CLASSIFICATION		DEPTH (FEET)	SAMPLER	PENETRATION RESISTANCE (BLOWS/FT)	WATER CONTENT (%)	DRY DENSITY (PCF)	UNCONFINED COMPRESSIVE STRENGTH (KSF)	OTHER TESTS
DESCRIPTION AND REMARKS	CONSIST							
Brown silty sand with gray gravel. very dense UYyoyu poiupo opioi[pi[pi[p p[ip[i	Very Dense	0		12	8	8	12	
Stiff, moist to wet, black-reddish brown PEAT.	Firm	5		5	15	15	5	
				13	24	24		
grades to wet, very soft gray-black peaty clayey SILT		10		9	46	46	23	22
				8	23	23		CPT=23"
Silty Gravels VFDSGSDGSGSG	Hard to Very Hard	15		31	23	20	2	
				40	100	100	9	Van Shear=234psf
grades to wet, very soft gray-black peaty clayey SILT.		20		23	23	23	12	23
Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		25		38	38	38	50	
becomes gray SILT mixed with REFUSE		30		35	35	34	34	
Boring completed at depth of 34 Type your notes here. Type your notes here.		35		46	100	100	12	

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1470 Enea Circle
Suite 1551
Concord, CA 94520
TEL 925.688.1001
FAX 925.688.1005

EXPLORATION BORING LOG

RIVERFRONT CONDOM
Oakland, CA

PROJECT NO.	DATE	BORING NO.
Proj. No. 78234-34243	12/12/00	B-1-2000

B-1-1999

**RIVERFROT COMDOM
EVERETT, WASHINGTON**

Drill Rig: Gregry Drilling
Sampling: Steam Auger
Logged By: 2" SPT
Total Depth: Auger HD-1

Date Started: CGF
Date Completed: 200
Elevation: erewr
Groundwater: 12/24/00

Description	Graphic Log	Depth	Sample Type	SPT N-Value	Well	Remarks
Dense, moist, brown-gray SAND (Fill) .		0				Silica Sand
Stiff, moist to wet, black-reddish brown PEAT.				12		Type Remark here
grades to wet, very soft gray-black peaty clayey SILT		10		20		
Dense, wet, black to dark gray gray SAND with occasional wood and organics.		20	☐	38		fine content=34%
grades to wet, very soft gray-black peaty clayey SILT.		30	☐	52		
Very soft, wet, gray slightly silty CLAY with red-brown peat, very slight in plasticity.		40	☒	31		Cement
becomes gray SILT mixed with REFUSE		50	☒	38/60/4"		heave noted
		60	☒	50/5"		
			☒	36		
			☒	23		
			☒	12/4"		
			☒	12		van shear stress = 2 tsf
			☒	38		
Boring completed at and depth of about 61.5 feet below the ground surface. Groundwater was encountered at about 10 feet below the ground surface at the time of drilling.						

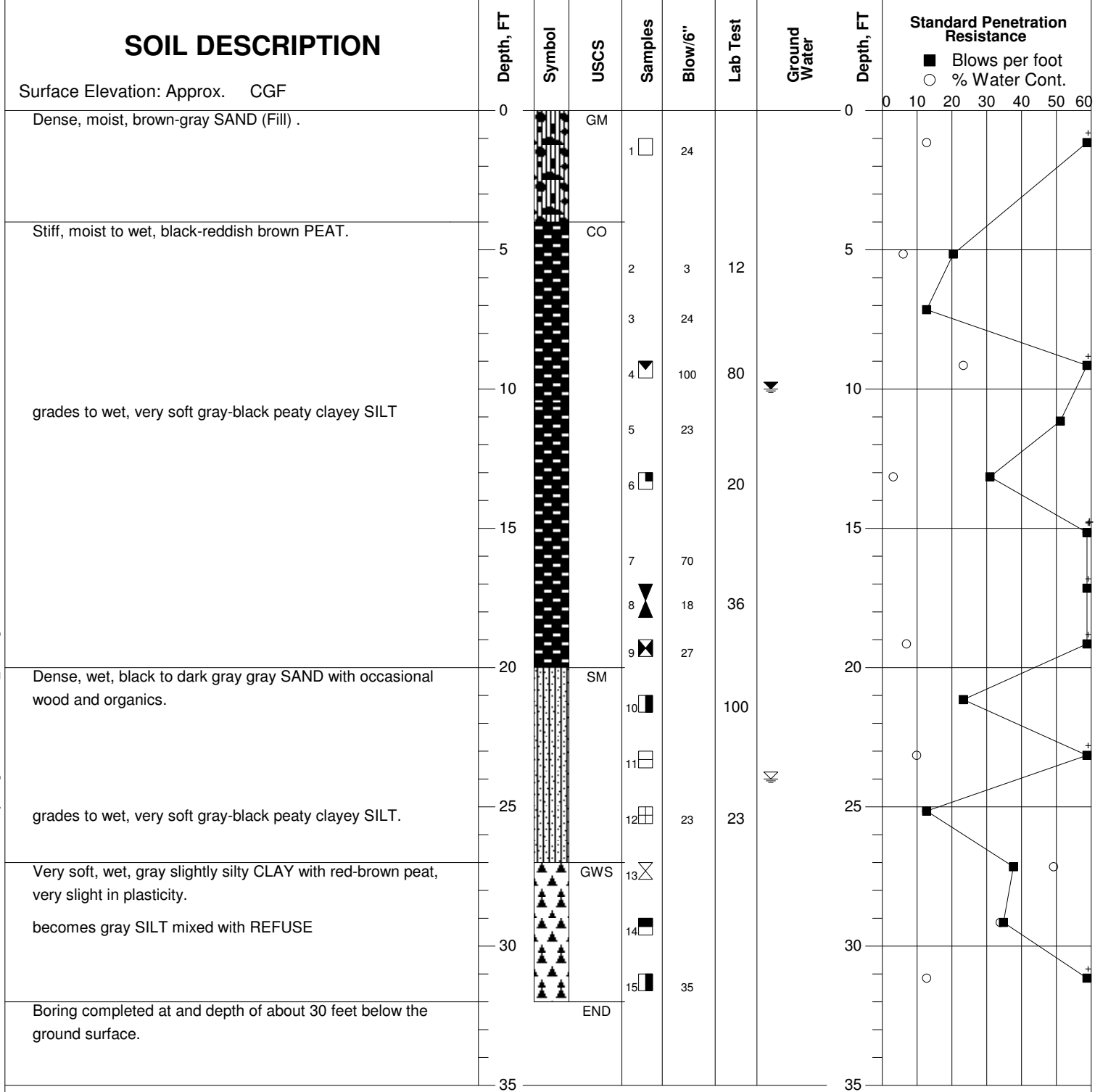
SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\Ex26_well.log Date: 09/04/08



CIVILTECH CORPORATION

SOIL DESCRIPTION

Surface Elevation: Approx. CGF



This is remarks. This is for typing text, text, text, all you want to type for the boring is here. Up to 255 words can be typed in here. Here, here, here, here.

Date Completed: 2/23/99
 Driller: 32 feet
 Equipment: 12/12/89
 Drilling Method: Auger HD-1
 Hammer System: 12/24/00

RIVERFROT COMDOM
 2345-A

CivilTech Software

LOG OF BORING B-1-1999
 City of Seattle FIGURE A- 20

Log of Test Boring TB-1

Project No. MI-022001-50

Project: JB Kenehan

Location: Waukesha, WI

Depth ft	Description of Material Ground Surface Elevation	Elevation	Geological Origin	WL	Sample		Testing				
					No.	Type	N	W	OC	DD	Pq (tsf)
	3 1/2" Asphalt, Crushed Limestone Basecourse		Pavement		1	FAS	---	20	sd	233	45
	Fill, brown, very moist	98.4	Fill		2	SB	46		1233		54
5	Fill, silty sand with gravel, brown, very moist	95.9			3	SB	19	17			
	Fill, silty sand with gravel	92.4			4	SB	4		23		
10	Organic Lean Clay (OR)	90.9	Buried Topsoil	1/14/02 ▼							
15					5	SB	19		232	33	45
20					6	SB	38	23			
20	Silty Sand (SM)	88.4 84.4	Coarse Alluvial		7	SB	63/7	11			11
30	End of Boring										

*Sample from 0 to 12 inches with no set ret yoturet
uretopureretpour putre ret tetr

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog\PROJECT\F28.log Date: 09/04/08

Water Level Measurements				Date: 12/12/01		Crew Chief: Paul K.
Date	Time	Depth (ft)	Elevation (ft)			
				Drilling Method: Paul K.		
				Drilling Co.: 2-1/4" HSA 13.5'		
				Plugging Procedure: Bentonite Chip		



602 Lila Avenue
 Milford, OH 45150
 Phone: (513) 831-6868
 Fax: (513) 831-6894

TEST BORING LOG

CLIENT Cingular Wireless
 PROJECT NAME Radio Tower DAY-AAFX059
 PROJECT LOCATION SE 4231 SR 370
Yellow Springs, Green Co., Ohio

BORING # B-1-2002
 JOB NO. 72.75127.0149
 DRAWN BY Sgfu iufiudsf
 APPROVED BY Seewr ewrwr

DRILLING and SAMPLING INFO

Date Started 06/02/01 Hammer Wt. 30 in
 Date Completed D. Jamison Hammer Drop 2 in
 Drill Foreman Terewrewr Spoon Sampler OD erewr
 Inspector Wyt uiyui Rock Core Dia. ewrewr
 Boring Method 140 lbs Shelby Tube OD ewrr

TEST DATA

SOIL CLASSIFICATION		Stratum	Depth Scale	Sample No.	Sample Type	Sample Graphics	Recovery (%)	Groundwater	Standard Penetration Test, blows per foot	Qu - tsf Unconfined Compressive Strength	PP - tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks
SURFACE ELEVATION: 200 feet															
Well-Graded Gravels		0													
Top Soil		1		1	SS		0.5		12		2.75	19			
Brown, SANDY CLAY (CL)			5												
moist, stiff				2	CU		0.6		6		15				
Dense, tan, moist, silty SAND (SM)		7													
Very dense, tan grey, moist, gravelly, silty SAND (SM)			10	3	CA		0		40						No recovery @ 8'
			15	4	RC		1		68	120	21	20	5		
Hard, grey, moist, sandy SILT (MH)		18													
			20	5	CU		0.8		50/3"						
Hard, grey, moist, CLAY with some silt (CH)															

SuperLog CivilTech Software, USA www.civiltech.com Date: 09/04/08 File: C:\Superlog\PROJECT\F29.log

Sample Type:

- SS - Driven Split Spoon
- ST - Pressed Shelby Tube
- CA - Continuous Flight Auger
- RC - Rock Core
- CU - Cuttings
- CT - Continuous Tube

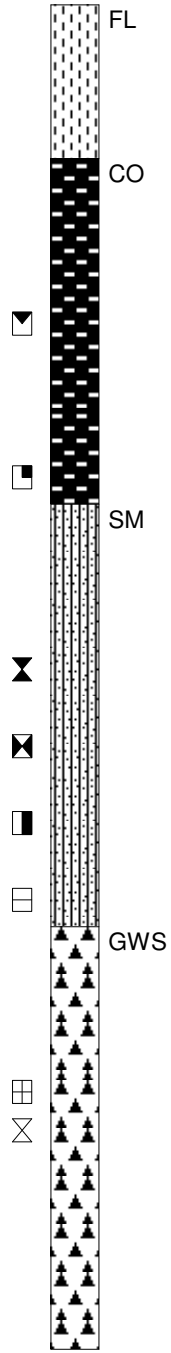
Depth of Ground Water:

- At Drilling
- After Drilling

Boring Method:

- HSA - Hollow Stem Augers
- CFA - Continuous Flight Augers
- DC - Driving Casing
- MD - Mud Drilling

B-1



B-1-1999

