

APPENDIX E
BORING AND WELL LOGS

Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

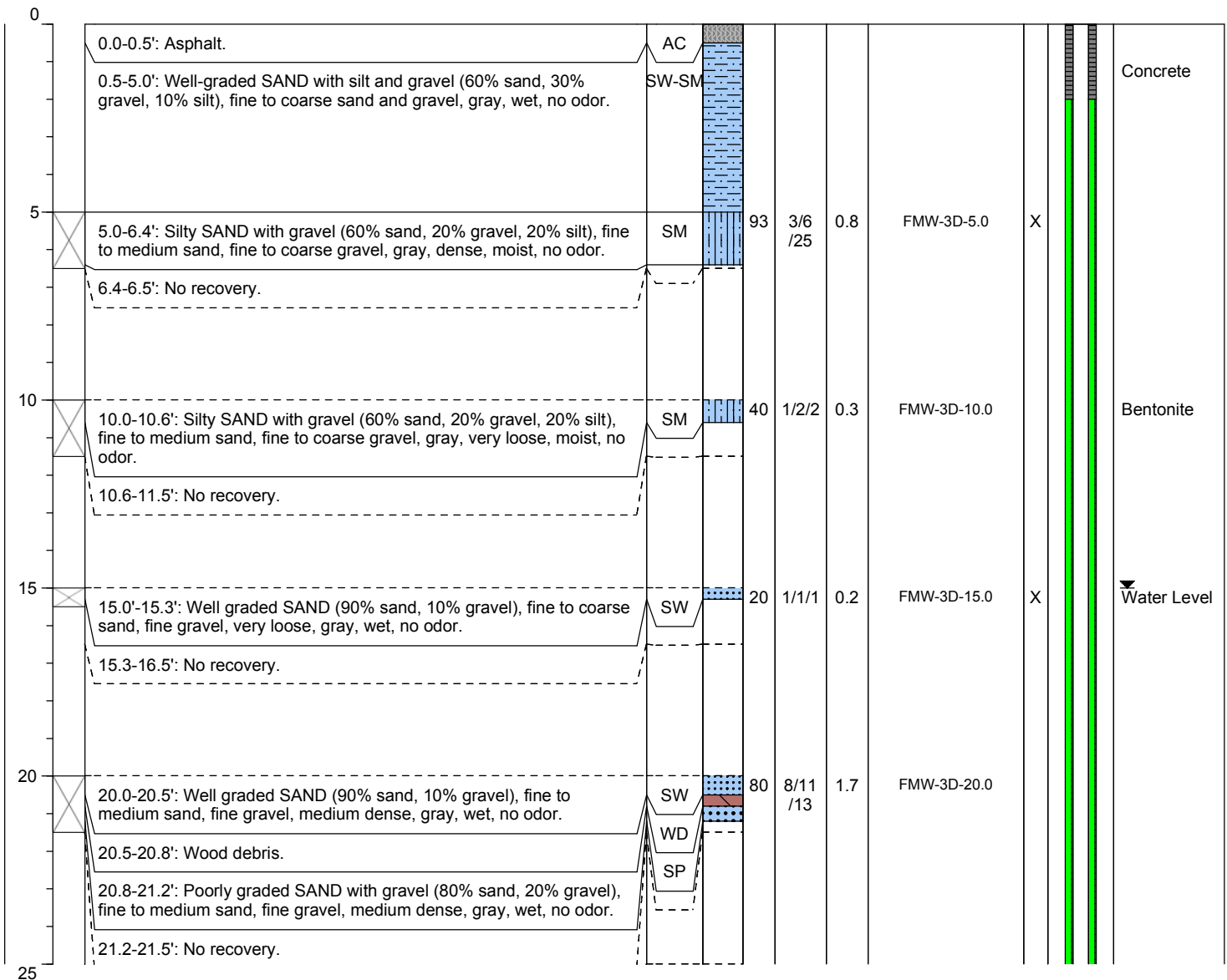
Farallon PN: 397-014

Logged By: Ryan Ostrom

Date/Time Started: 3/7/2016 @ 1150
Date/Time Completed: 3/8/2016 @ 1100
Equipment: BK 81
Drilling Company: Holocene
Drilling Foreman: Jerrod Thompson
Drilling Method: Auger

Sampler Type: 1.5' SPT
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5
Total Well Depth (ft bgs): 69.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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Well Construction Information			
Monument Type: Flush	Filter Pack: Sand 10/20	Ground Surface Elevation (ft):	NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft):	NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 59-69	Boring Abandonment: NA	Y: NA	

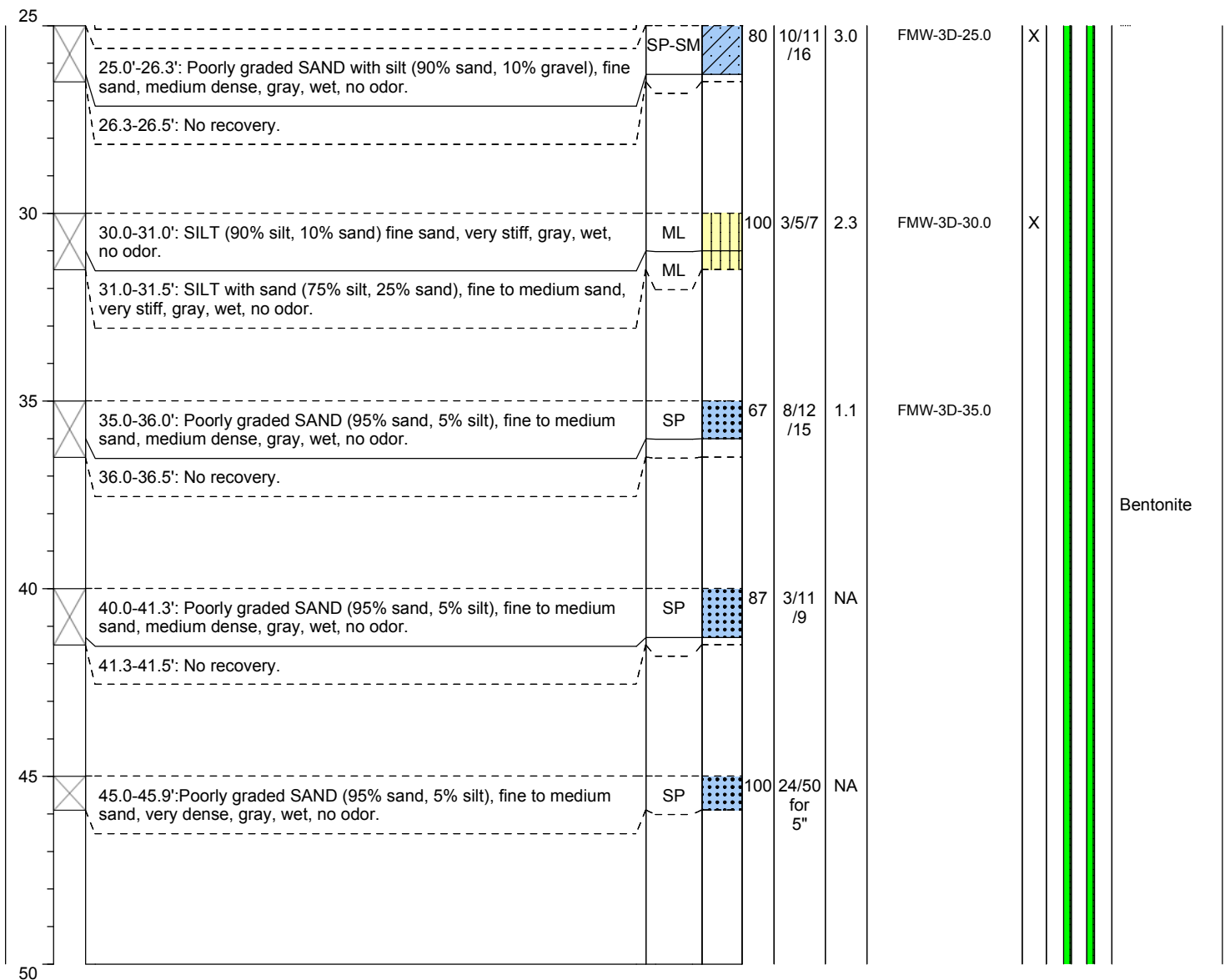
Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

Date/Time Started: 3/7/2016 @ 1150 **Sampler Type:** 1.5' SPT
Date/Time Completed: 3/8/2016 @ 1100 **Drive Hammer (lbs.):** 140
Equipment: BK 81 **Depth of Water ATD (ft bgs):** 15.0
Drilling Company: Holocene **Total Boring Depth (ft bgs):** 71.5
Drilling Foreman: Jerrod Thompson **Total Well Depth (ft bgs):** 69.0
Drilling Method: Auger

Farallon PN: 397-014

Logged By: Ryan Ostrom

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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Well Construction Information

Monument Type: Flush	Filter Pack: Sand 10/20	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 59-69	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-3D

Client: City Investors XI LLC
Project: Block 31
Location: Seattle, Washington

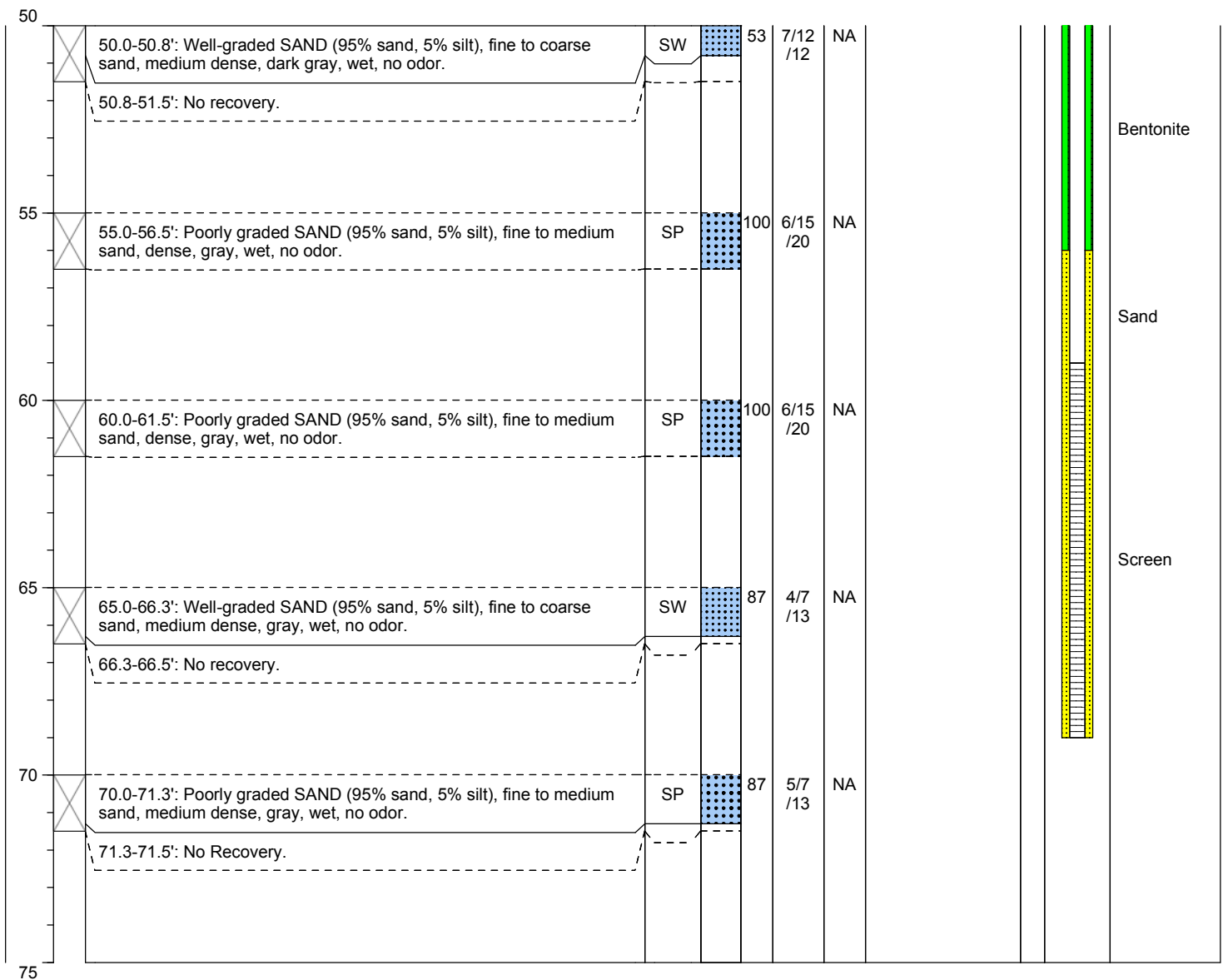
Date/Time Started: 3/7/2016 @ 1150
Date/Time Completed: 3/8/2016 @ 1100
Equipment: BK 81
Drilling Company: Holocene
Drilling Foreman: Jerrod Thompson
Drilling Method: Auger

Sampler Type: 1.5' SPT
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 71.5
Total Well Depth (ft bgs): 69.0

Farallon PN: 397-014

Logged By: Ryan Ostrom

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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Well Construction Information			
Monument Type: Flush	Filter Pack: Sand 10/20	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 59-69	Boring Abandonment: NA	Y: NA	

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. REG9958

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Consulting Firm Farallon (5545)

Unique Ecology Well ID _____

Tag No. BEE 085

Type of Well (select one)

Resource Protection
 Geotech Soil Boring

Property Owner City of Seattle

Site Address 816 Mercer ST

City Seattle County King

Location NW 1/4-1/4 SE 1/4 Sec 30 Twn 25 NR 4E BWS WWA

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller Engineer Trainee Name (Print): Thomas Crumey

Driller/Engineer/Trainee Signature Thomas Crumey

Driller or Trainee License No. 2409

Lat/Long (s, t, r) Lat Deg _____ Lat Min/Sec _____

still REQUIRED) Long Deg _____ Long Min/Sec _____

Tax Parcel No. 224900-0006

Cased or Uncased Diameter 2" Static Level 42'

Work/Decommission Start Date 5-13-14

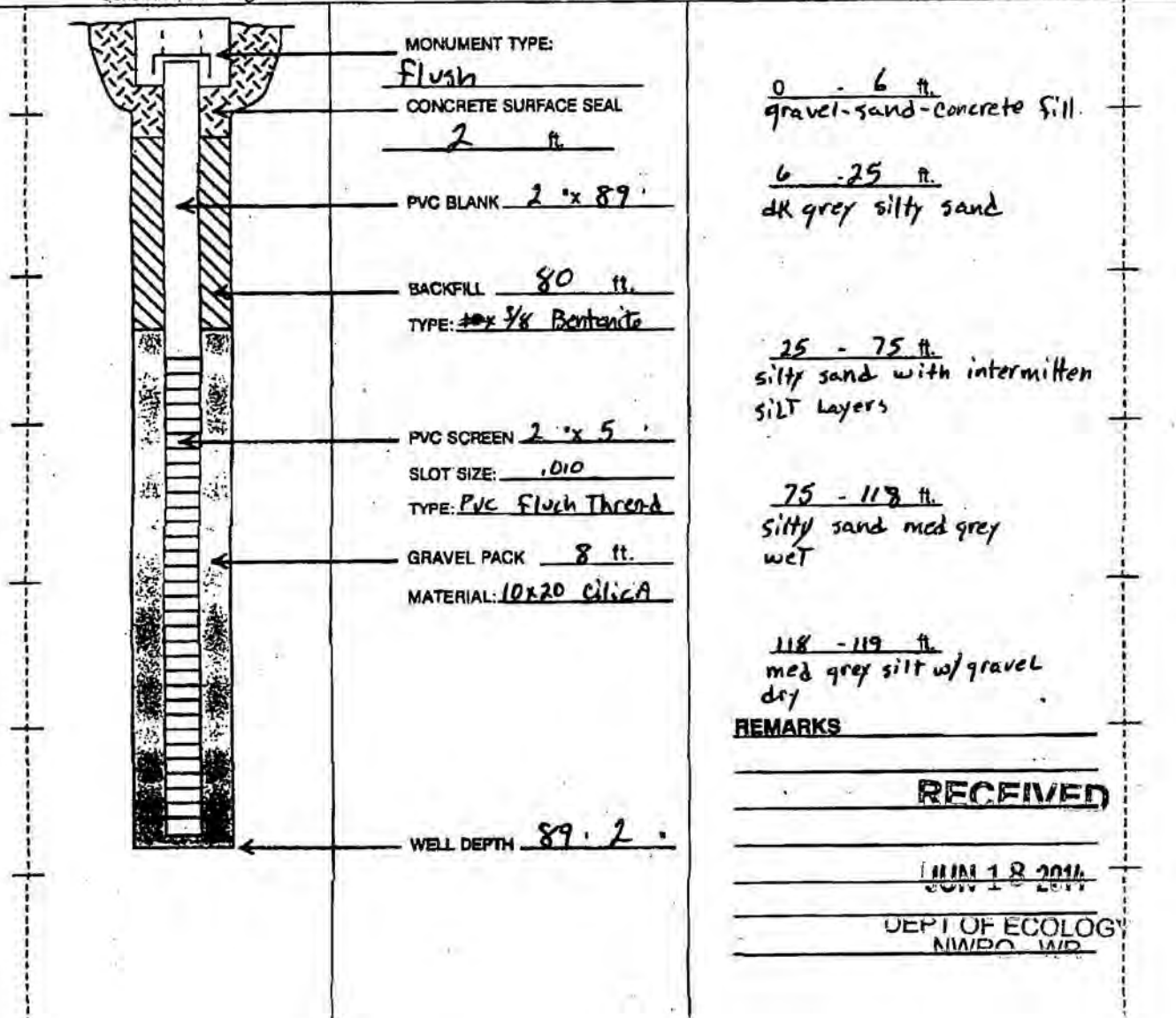
Work/Decommission Completed Date 5-16-14

If trainee, licensed driller's Signature and License No. _____

Construction/Design

Well Data

Formation Description



REMARKS _____

RECEIVED

JUN 18 2014

DEPT OF ECOLOGY
NWBO WR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



Log of Boring: FMW-131

Client: Vulcan
Project: Block 37
Location: Seattle, WA

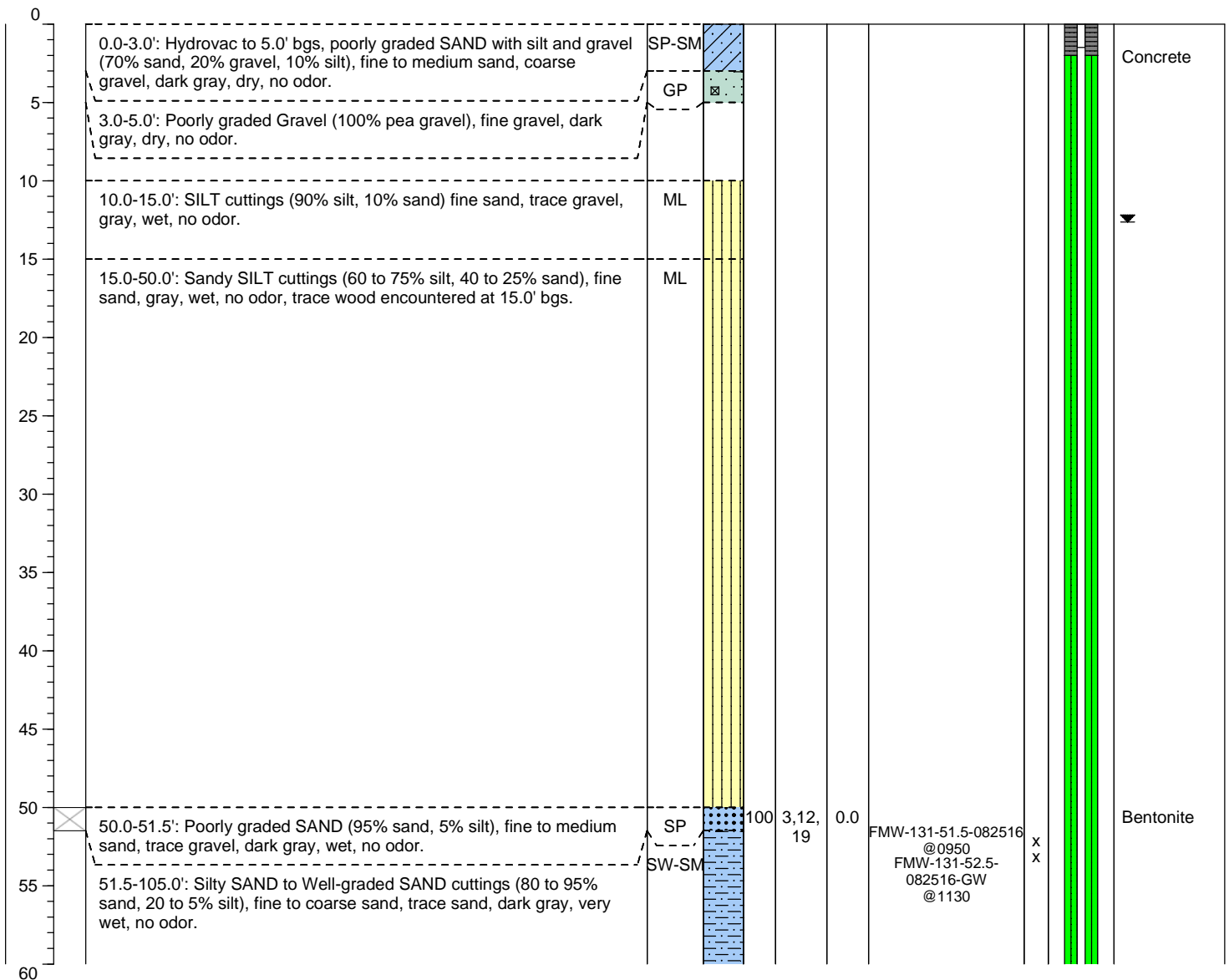
Date/Time Started: 8/30/16 @ 0740
Date/Time Completed: 8/30/16 @ 0918
Equipment: D-120
Drilling Company: Holocene
Drilling Foreman: Matt Graham
Drilling Method: Hollow Stem Auger

Sampler Type: SPT 18"
Drive Hammer (lbs.): 140lbs
Depth of Water ATD (ft bgs): 12.64
Total Boring Depth (ft bgs): 75.0'
Total Well Depth (ft bgs): 74.85'

Farallon PN: 397-010

Logged By: Jared Kerr/ Amber

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
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Well Construction Information			
Monument Type: Flush Mount	Filter Pack: Silica Sand 10-20	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2"	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010"	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 63-73'	Boring Abandonment: NA	Y: NA	



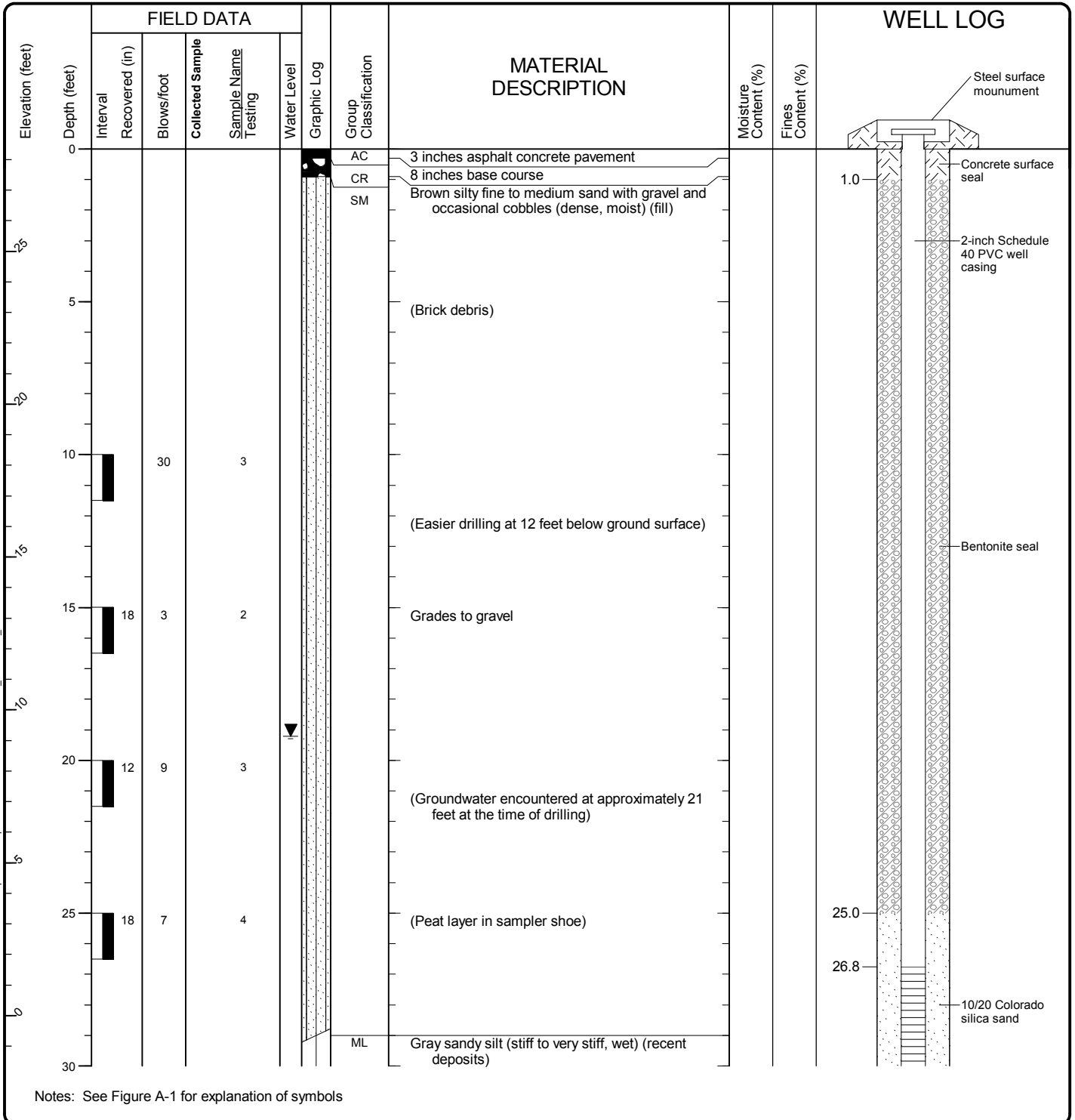
Log of Boring: FMW-131

Client: Vulcan Project: Block 37 Location: Seattle, WA	Date/Time Started: 8/30/16 @ 0740 Date/Time Completed: 8/30/16 @ 0918 Equipment: D-120 Drilling Company: Holocene Drilling Foreman: Matt Graham Drilling Method: Hollow Stem Auger	Sampler Type: SPT 18" Drive Hammer (lbs.): 140lbs Depth of Water ATD (ft bgs): 12.64 Total Boring Depth (ft bgs): 75.0' Total Well Depth (ft bgs): 74.85'
Farallon PN: 397-010	Logged By: Jared Kerr/ Amber	

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
60										
65								FMW-131-62.5-082516-GW @1230	x	Silica Sand
70										Screen
75								FMW-131-72.5-082516-GW @1350	x	Bentonite
80										
85								FMW-131-82.5-082516-GW @1535	x	
90										
95								FMW-131-92.5-082516-GW @1645	x	
100										
105								FMW-131-102.5-082516-GW	x	

Well Construction Information			
Monument Type: Flush Mount	Filter Pack: Silica Sand 10-20	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2"	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010"	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 63-73'	Boring Abandonment: NA	Y: NA	

Start Drilled	4/16/2014	End	4/16/2014	Total Depth (ft)	81.5	Logged By	TKC	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment		Diedrich D-50 Turbo		DOE Well I.D.: BJ 461 A 2 (in) well was installed on 4/16/2014 to a depth of 36.75 (ft).							
Surface Elevation (ft)	28.35			Top of Casing Elevation (ft)		27.95		Groundwater Date Measured		7/1/2014		Depth to Water (ft)	19.2	Elevation (ft)	8.7
Vertical Datum	NAVD88			Horizontal Datum		NAD83									
Easting (X)	1269362.7704			Northing (Y)		231828.1831									
Notes:															

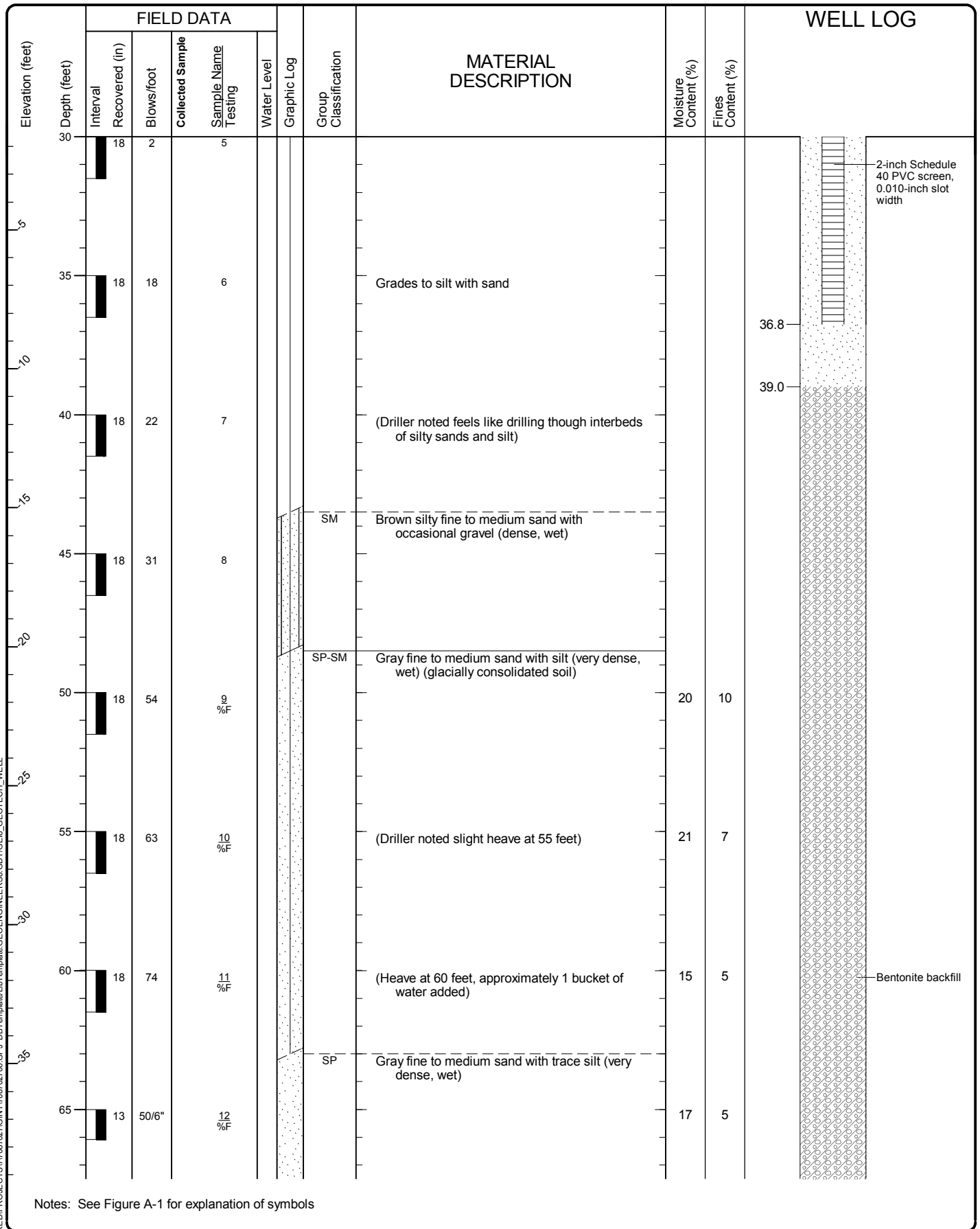


Log of Monitoring Well B-37-1



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\REPRODUCTION\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\LIB\template\GEOENGINEERS.GDT\GEIR_GEO TECH_WELL

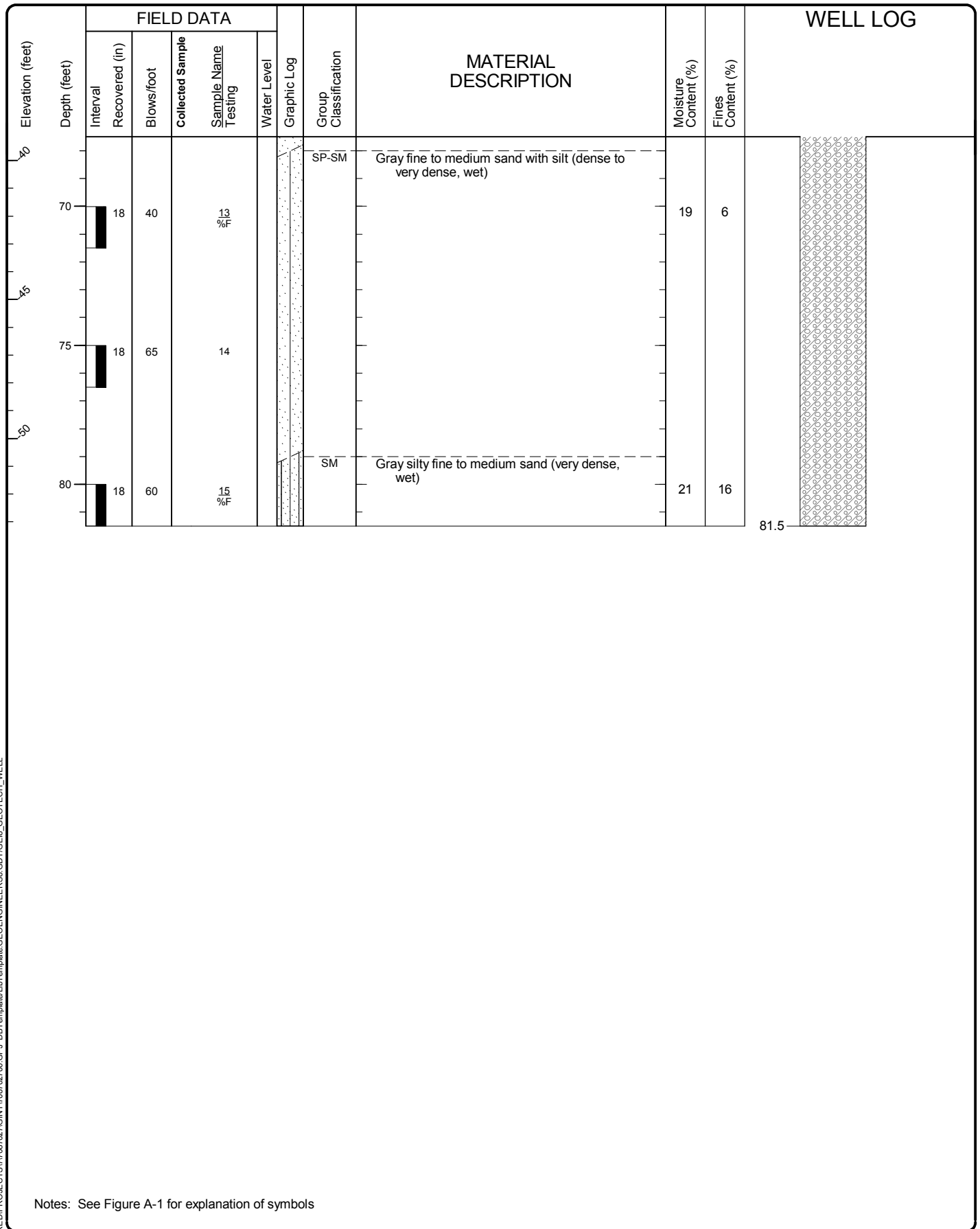


Log of Monitoring Well B-37-1 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/31/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\UBT\template\GEOENGINEERS.GDT\GEIR_GEOTECH_WELL



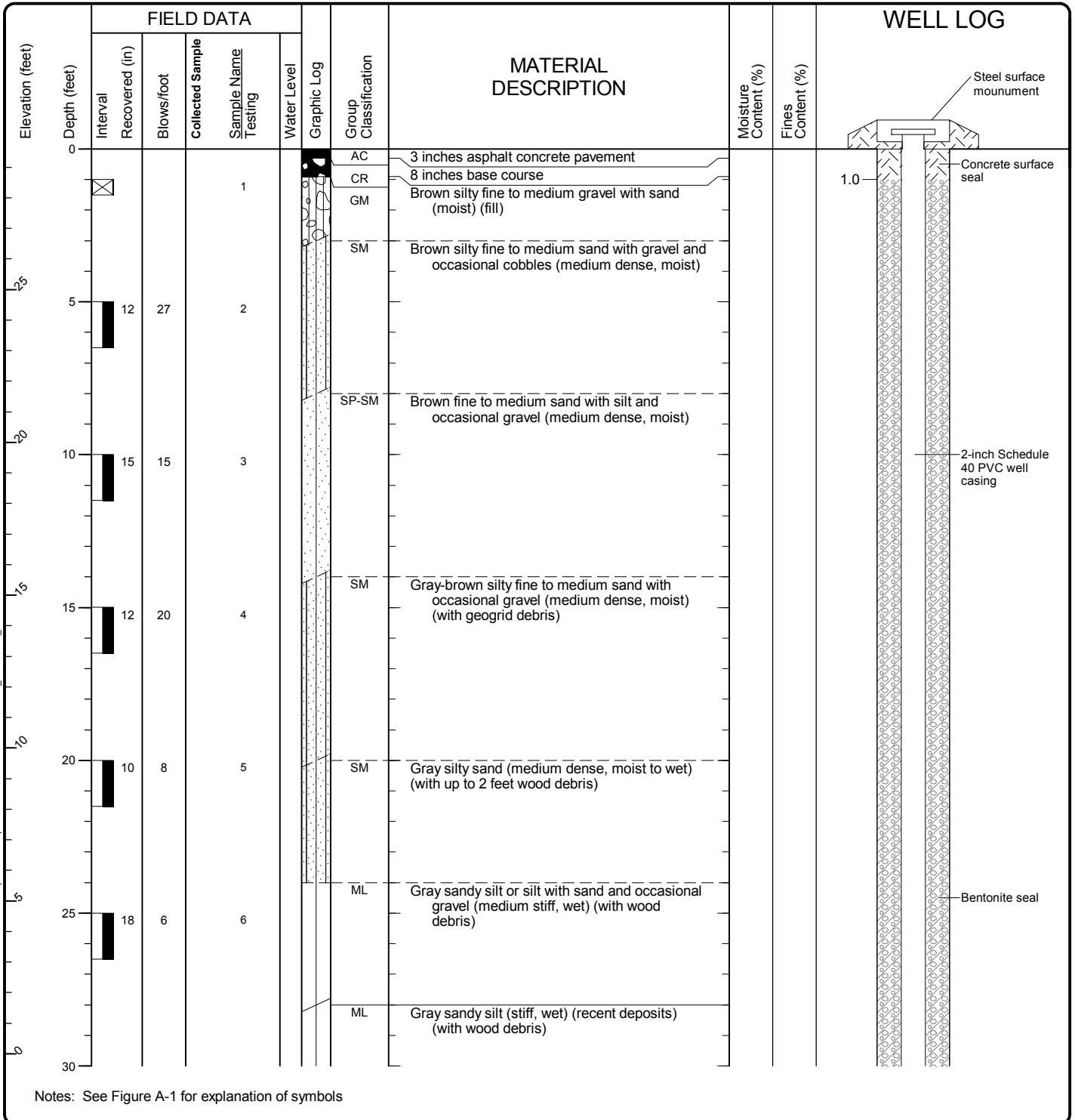
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-1 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Start Drilled	4/16/2014	End	4/17/2014	Total Depth (ft)	81.5	Logged By	TKC	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment		Diedrich D-50 Turbo		DOE Well I.D.: BJ 462 A 2 (in) well was installed on 4/16/2014 to a depth of 60.61 (ft).							
Surface Elevation (ft)	29.6			Top of Casing Elevation (ft)		29.38		Groundwater Date Measured		7/1/2014		Depth to Water (ft)	31.4	Elevation (ft)	-2.0
Vertical Datum	NAVD88			Horizontal Datum		NAD83									
Easting (X)	1269358.7011			Northing (Y)		231666.0835									
Notes:															

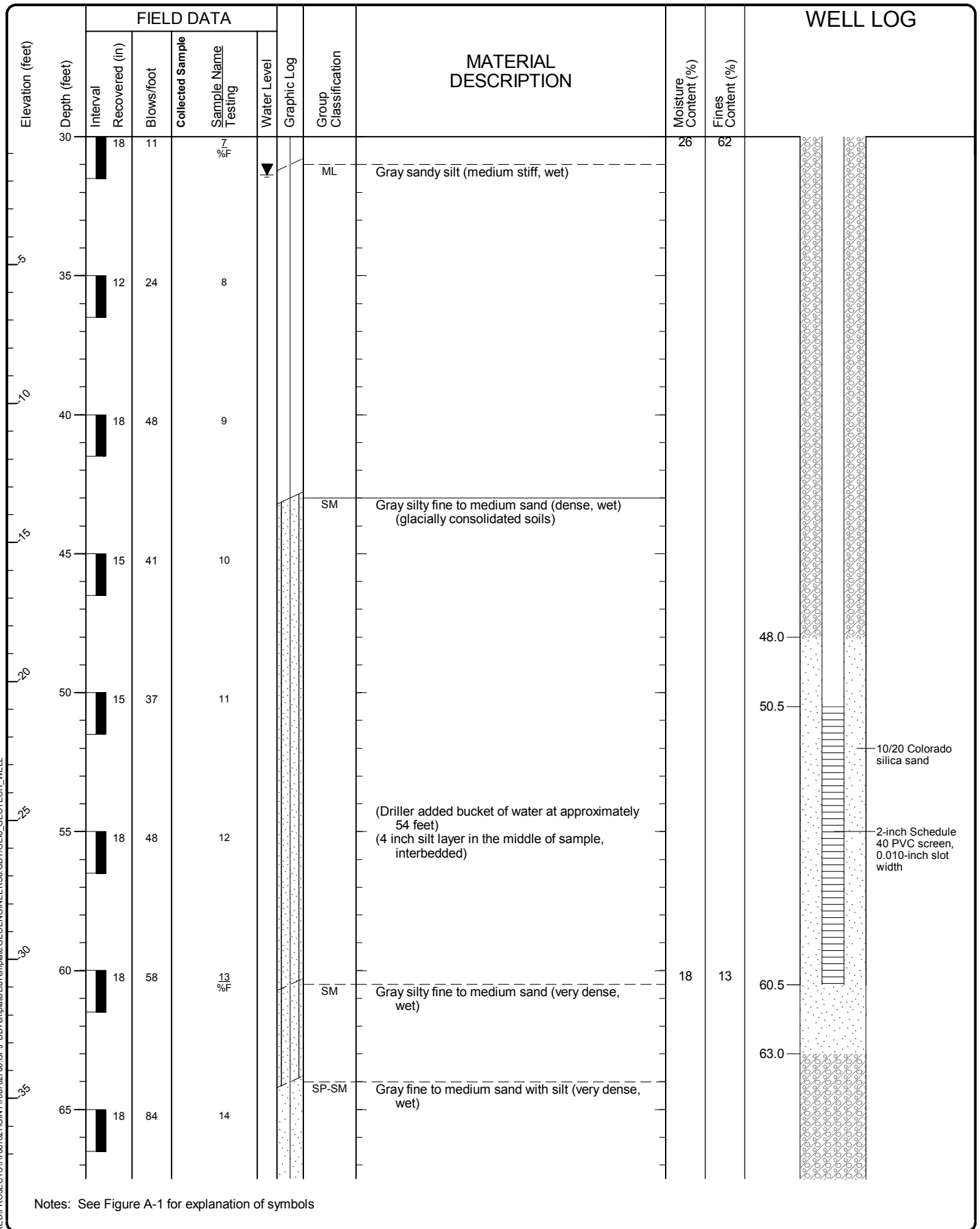


Log of Monitoring Well B-37-2



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\LBT\template\GEOENGINEERS.GDT\GEIR_GEO TECH_WELL



Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-2 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700\GP_J\DBT\template\UT\template\GEOENGINEERS.GDT\GEIR_GEOTECH_WELL

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	WELL LOG	
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log
40	70	18	41		15 %F						
								19	8		
45	75	18	45		16 %F		SM	Gray silty fine to medium sand (dense, wet)	19		35
50	80	18	68		17 %F		SP-SM	Gray fine to medium sand with silt and occasional gravel (very dense, wet)	19	9	
										81.5	

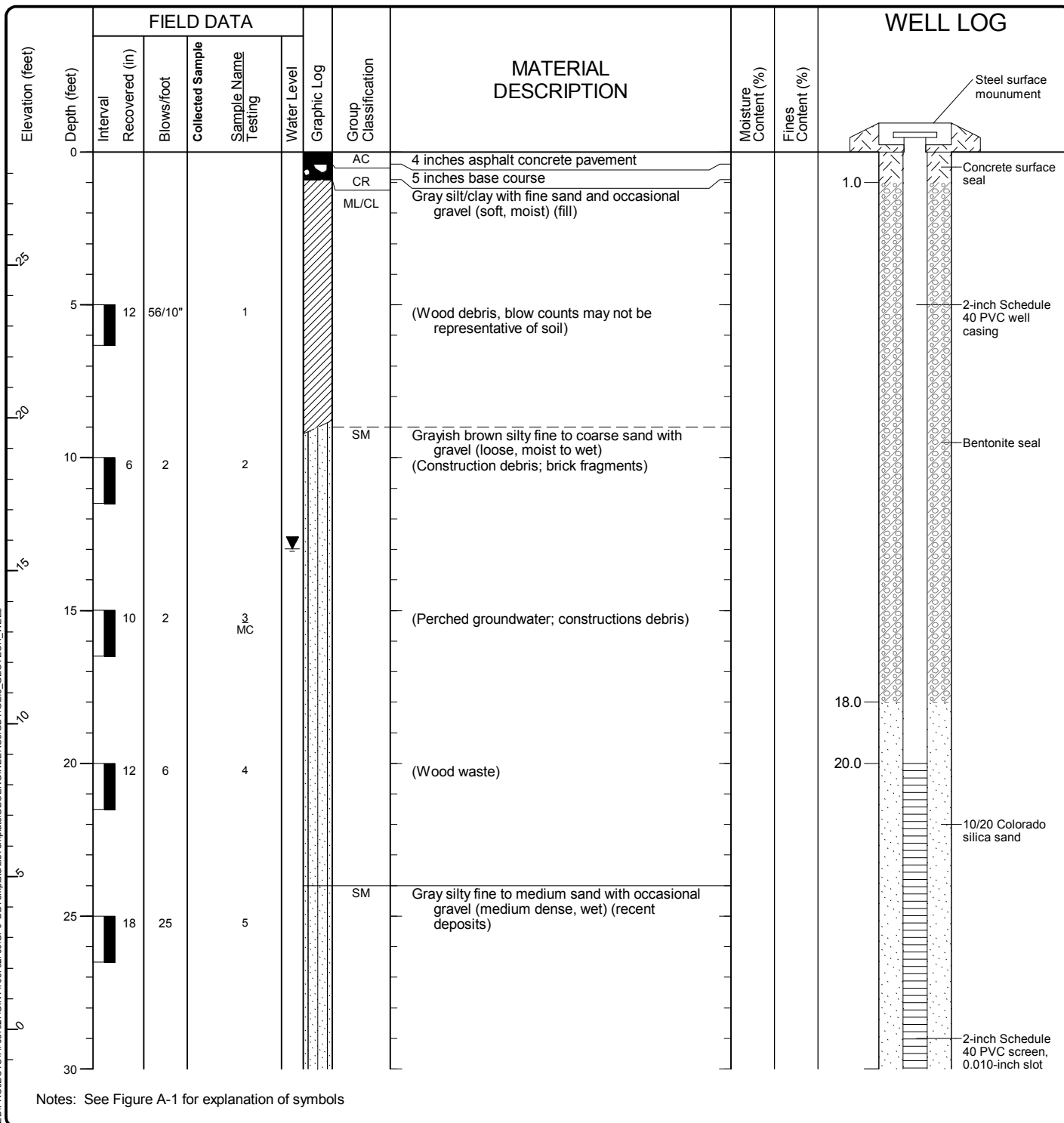
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-37-2 (continued)



Project: Block 37
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Start Drilled	4/10/2014	End	4/10/2014	Total Depth (ft)	81	Logged By	DTM	Checked By	DPC	Driller	Geologic Drill	Drilling Method	Hollow-Stem Auger		
Hammer Data	Pneumatic 140 (lbs) / 30 (in) Drop			Drilling Equipment		Diedrich D-50 Turbo		DOE Well I.D.: BJ 460 A 2 (in) well was installed on 4/10/2014 to a depth of 30 (ft).							
Surface Elevation (ft)	28.7			Top of Casing Elevation (ft)		28.41		Groundwater		Date Measured	7/1/2014	Depth to Water (ft)	13.0	Elevation (ft)	15.4
Vertical Datum	NAVD88			Horizontal Datum		NAD83									
Easting (X)	1269675.6231			Horizontal Datum		NAD83									
Northing (Y)	231774.012			Horizontal Datum		NAD83									
Notes:															

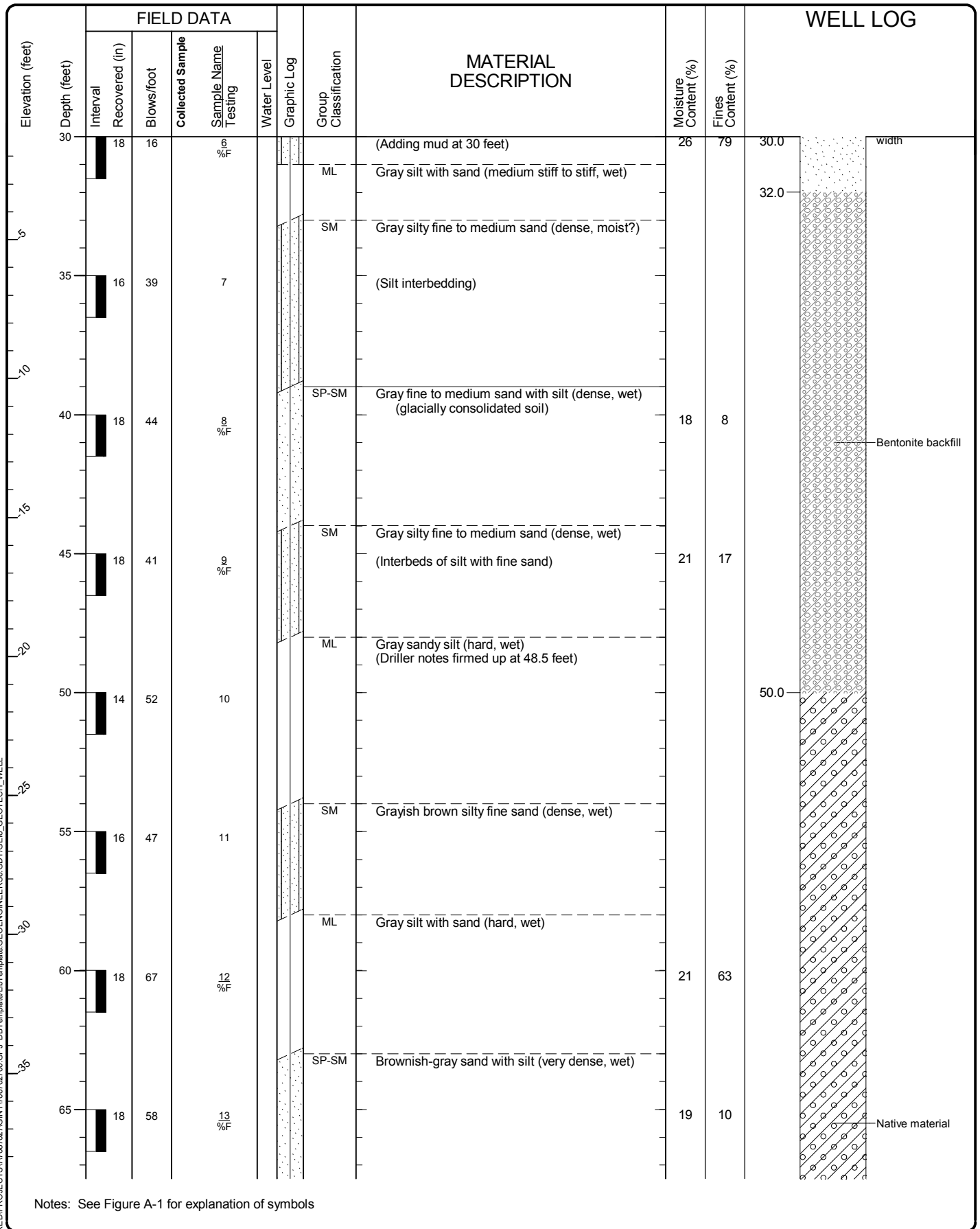


Log of Monitoring Well B-31-3



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/3/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700.GPJ DBT\template\LIB\template\GEOENGINEERS.GDT\GEIR_GEOTECH_WELL



Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-31-3 (continued)



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Refmond: Date: 7/31/14 Path: \\RED\PROJECTS\7087\027\GINT\7087\02700\GP_J\DBT\template\UBT\template\GEOENGINEERS.GDT\GEIR_GEOTECH_WELL

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	WELL LOG
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level				
40										
70		18	50		14					
75		6	50/6"		15					
80		12	50/6"		16 %F			21	8	81.0

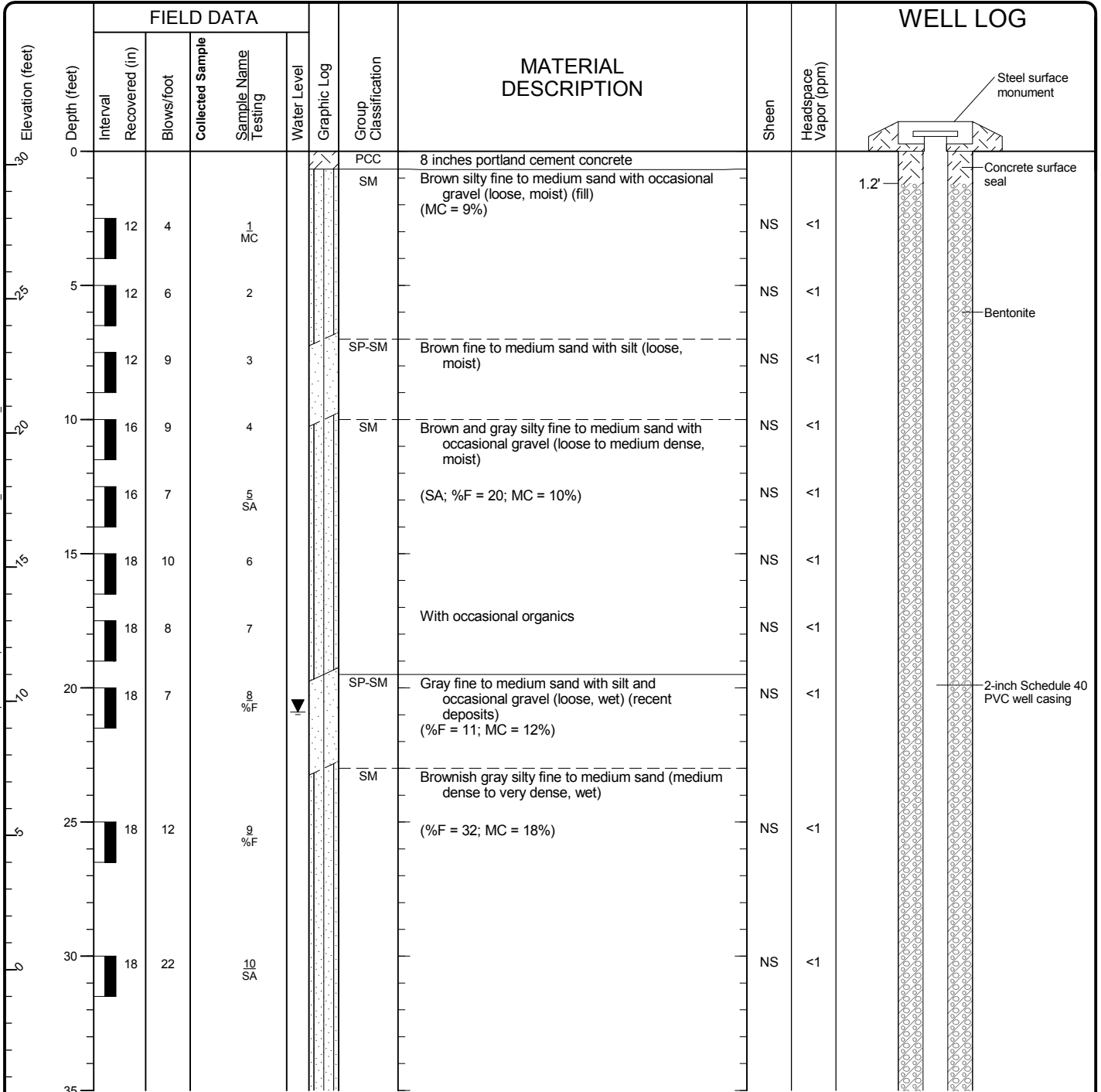
Notes: See Figure A-1 for explanation of symbols

Log of Monitoring Well B-31-3 (continued)



Project: Block 31
 Project Location: Seattle, Washington
 Project Number: 7087-027-00

Start Drilled 8/22/2014	End 8/22/2014	Total Depth (ft) 61.5	Logged By Checked By GP DPC	Driller Geologic Drill, Inc.	Drilling Method Hollow-Stem Auger
Hammer Data Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment Diedrich D50 Turbo	DOE Well I.D.: BIJ 490 A 2 (in) well was installed on 8/22/2014 to a depth of 59.8 (ft).			
Surface Elevation (ft) Vertical Datum 30.5 NAVD88	Top of Casing Elevation (ft) 30.10	Groundwater Date Measured 9/6/2014	Depth to Water (ft) 20.9	Elevation (ft) 9.6	
Easting (X) Northing (Y)	Horizontal Datum	Notes:			



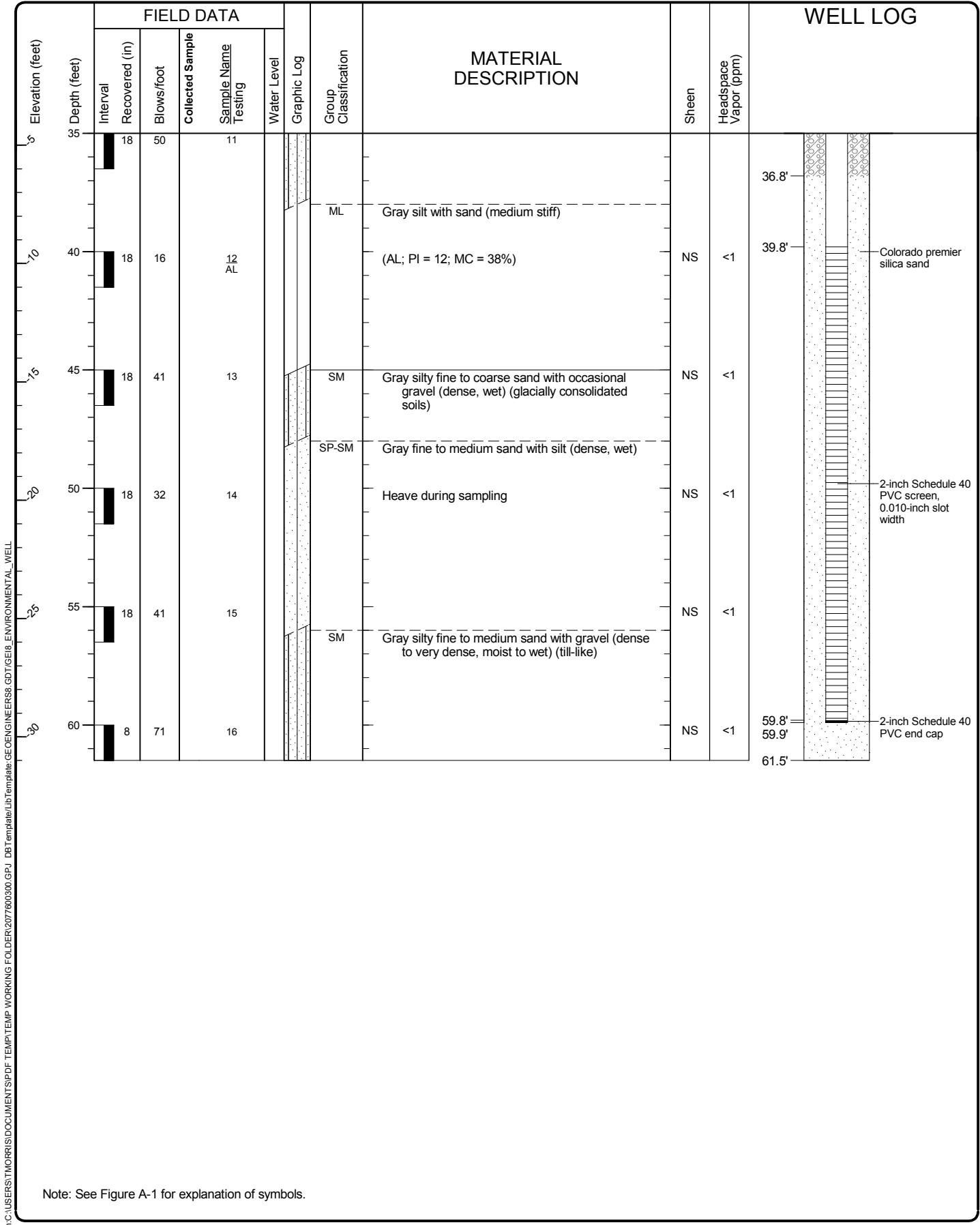
Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-1



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\DOCUMENTS\PDF\TEMP\WORKING FOLDER\2077600300.GPJ DBT Template\LT Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL



Note: See Figure A-1 for explanation of symbols.

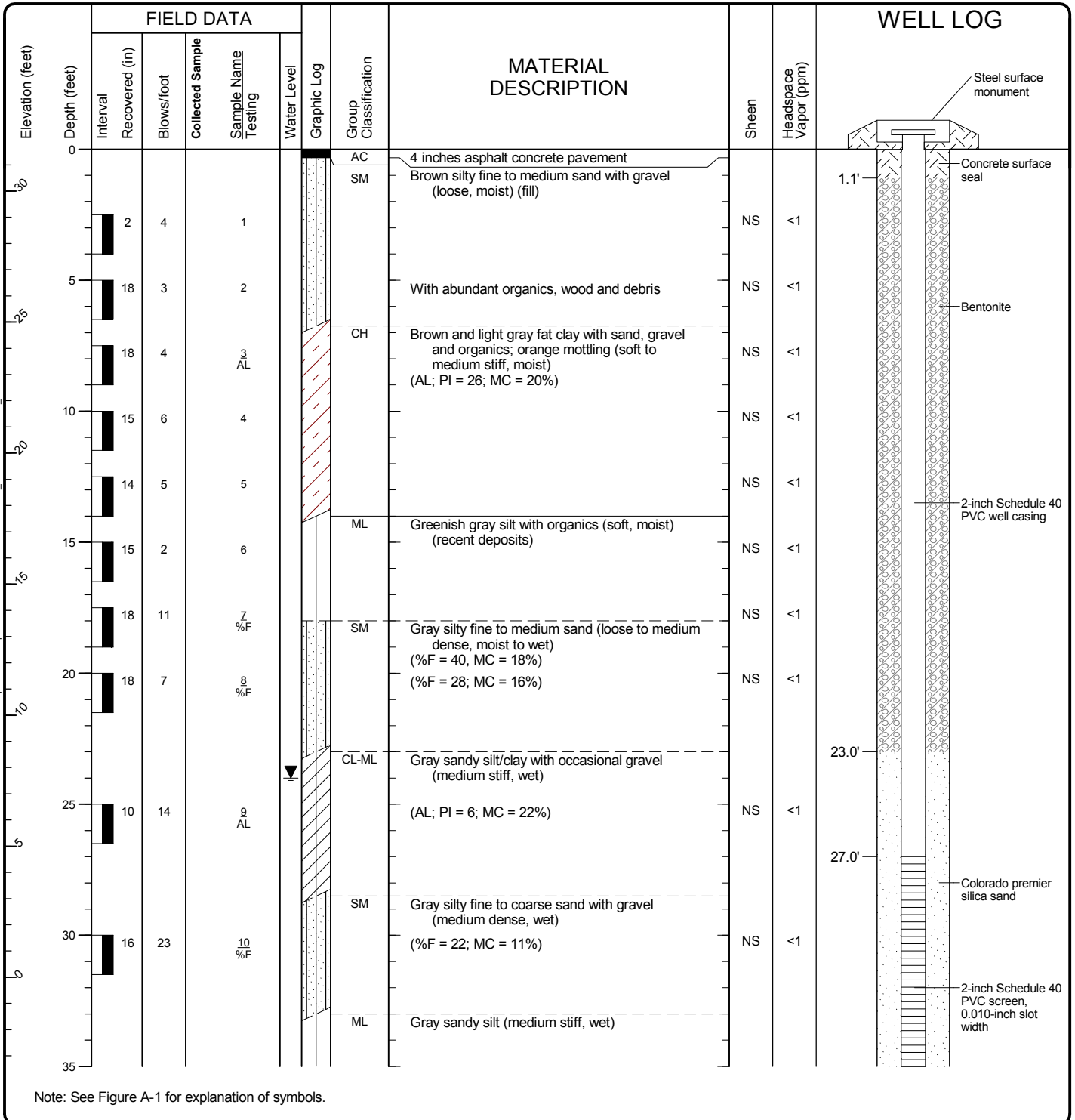
Log of Monitoring Well MW-1 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBTemplate\libTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_WELL

Drilled	Start 8/23/2014	End 8/23/2014	Total Depth (ft)	60	Logged By Checked By	GP DPC	Driller	Geologic Drill, Inc.	Drilling Method	Hollow-Stem Auger
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop				Drilling Equipment	Diedrich D50 Turbo			DOE Well I.D.: BIJ 492 A 2 (in) well was installed on 8/23/2014 to a depth of 37 (ft).	
Surface Elevation (ft) Vertical Datum	31.6 NAVD88				Top of Casing Elevation (ft)	31.00			Groundwater Date Measured	9/6/2014
Easting (X) Northing (Y)					Horizontal Datum				Depth to Water (ft)	24.0
								Elevation (ft)	7.6	
Notes:										

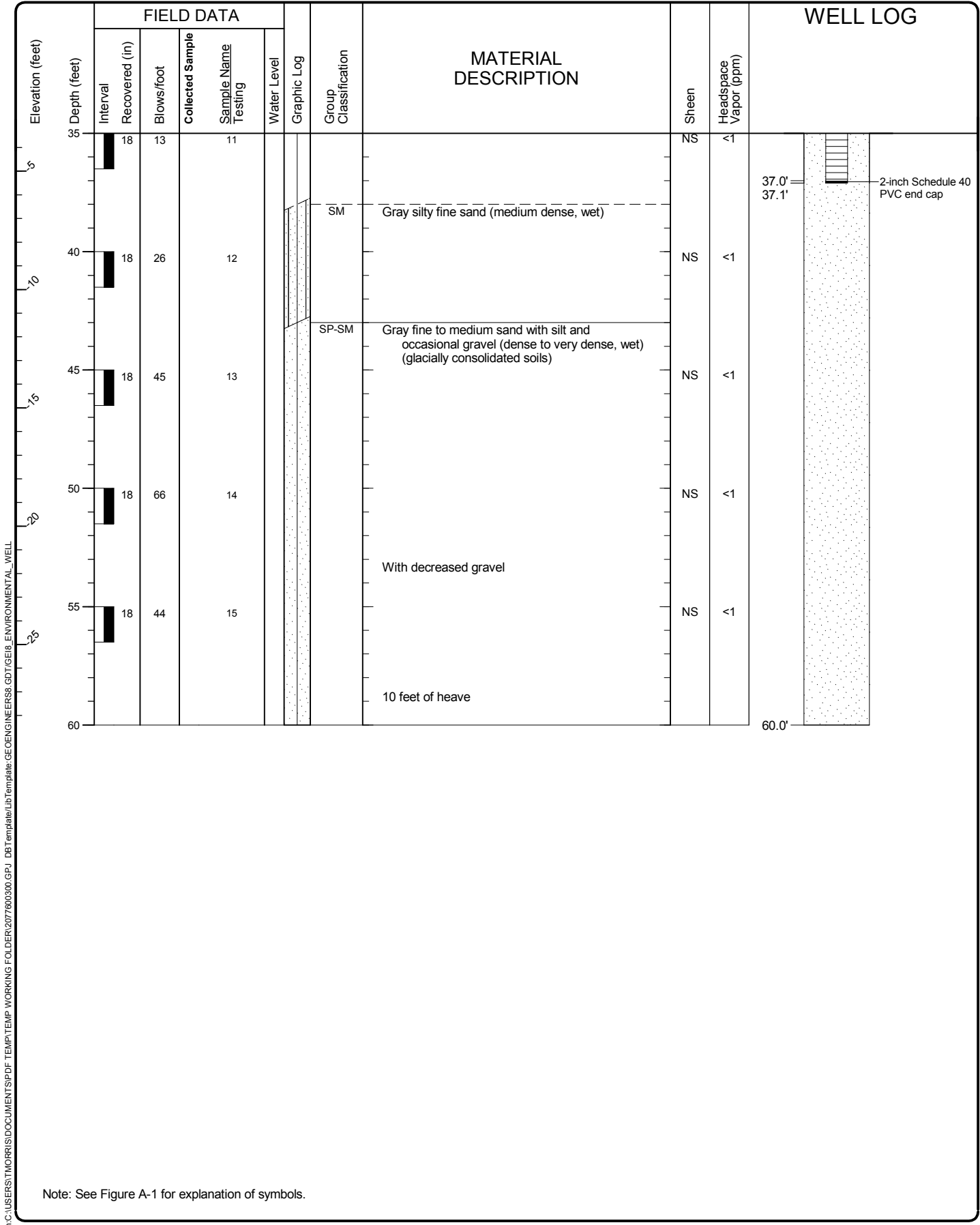


Log of Monitoring Well MW-2



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\USER\ST\MORRIS\DOCUMENT\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBT Template\LD Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL



Note: See Figure A-1 for explanation of symbols.

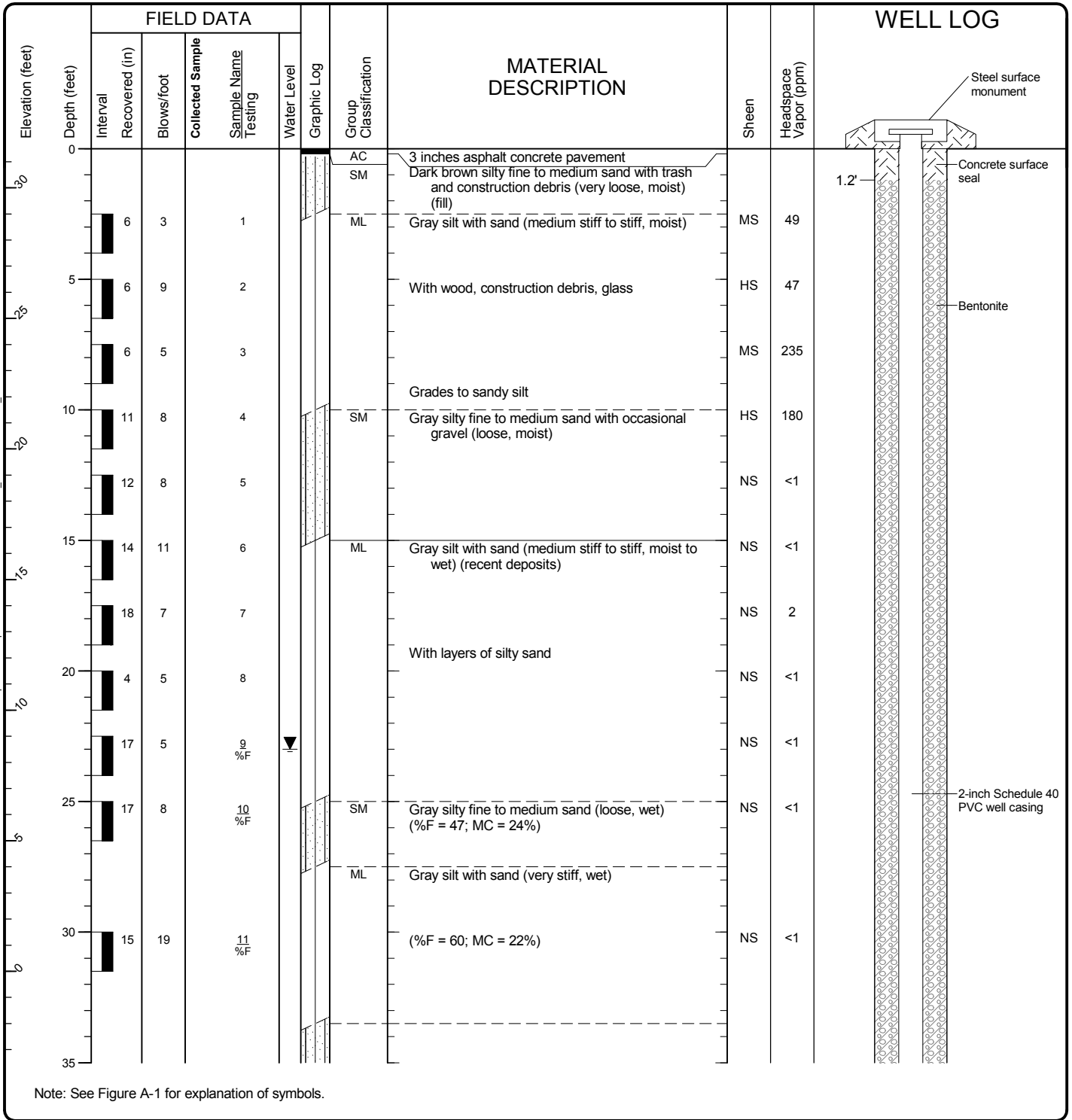
Log of Monitoring Well MW-2 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DBTemplate\libTemplate: GEOENGINEERS8.GDT\GEI6_ENVIRONMENTAL_WELL

Start Drilled 8/23/2014	End 8/23/2014	Total Depth (ft) 65.5	Logged By Checked By GP DPC	Driller Geologic Drill, Inc.	Drilling Method Hollow-Stem Auger
Hammer Data	Autohammer 140 (lbs) / 30 (in) Drop	Drilling Equipment	Diedrich D50 Turbo		DOE Well I.D.: BIJ 491 A 2 (in) well was installed on 8/24/2014 to a depth of 59.4 (ft).
Surface Elevation (ft) Vertical Datum	31.5 NAVD88	Top of Casing Elevation (ft)	30.75		<u>Groundwater</u> Date Measured
Easting (X) Northing (Y)		Horizontal Datum			9/6/2014
			Depth to Water (ft)	23.0	
			Elevation (ft)	8.5	
Notes:					

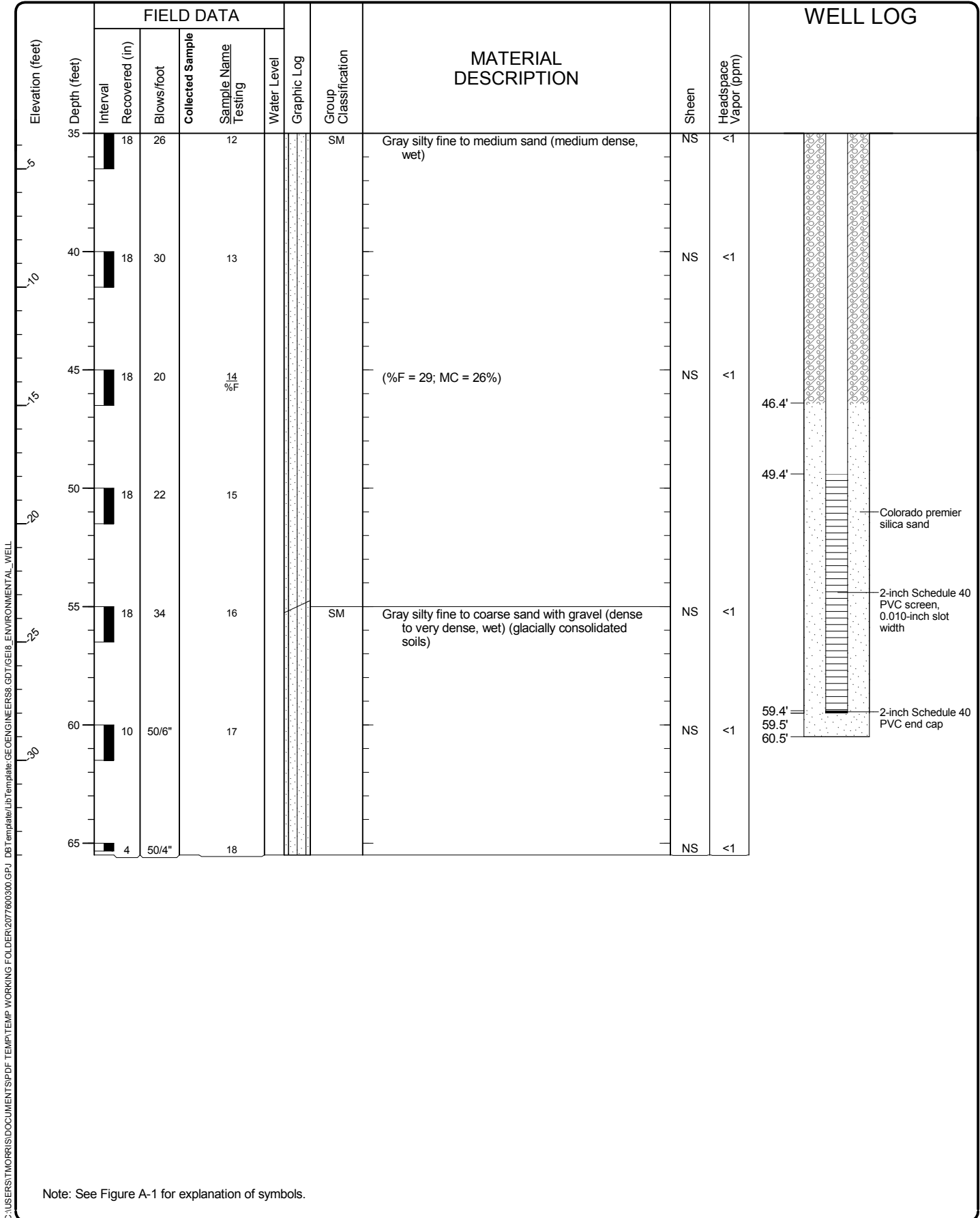


Log of Monitoring Well MW-3



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\DOCUMENTS\TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBTTemplate\libTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_WELL



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-3 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBT Template\lib\Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_WELL

Drilled	Start 8/24/2014	End 8/24/2014	Total Depth (ft)	63	Logged By Checked By	GP DPC	Driller	Geologic Drill, Inc.		Drilling Method	Hollow-Stem Auger	
Surface Elevation (ft) Vertical Datum			31 NAVD88		Hammer Data		Autohammer 140 (lbs) / 30 (in) Drop		Drilling Equipment		Diedrich D50 Turbo	
Easting (X) Northing (Y)					System Datum			Groundwater Date Measured		Depth to Water (ft)		Elevation (ft)
Notes:												

Elevation (feet)	FIELD DATA						Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level						
0							PCC	7 inches portland cement concrete				
							SM	Gray-brown silty fine to medium sand with occasional gravel (very loose to loose, moist) (fill)	NS	<1	%F = 33; MC = 11%	
5		17	6		1				NS	<1		
		6	1		2				NS	<1		
		7	5		3		ML	Gray silt with dark organics, wood chips and glass pieces (soft to medium stiff, moist)	NS	<1		
10		17	4		4				NS	<1		
		12	10		5		ML	Gray silt with sand and gravel (medium stiff to stiff, moist to wet) (recent deposits)	NS	<1	3-inch silty sand layer	
15		16	9		6				NS	<1		
20		18	4		7			Grades to gray-brown sandy silt with occasional gravel; becomes wet	NS	<1		
25		16	6		8				NS	<1	%F = 89; MC = 71%	
30		18	30		9		SM	Gray silty sand with gravel and occasional cobbles (dense, wet)	NS	<1		

Note: See Figure A-1 for explanation of symbols.

Log of Boring GEI-4



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

Figure A-5
 Sheet 1 of 2

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\DOCUMENTS\TEMP\TEMP WORKING FOLDER\2077600300.GPJ DBTemplate\LTTemplate: GEOENGINEERS8.GDT\GEI8_ENVIRONMENTAL_STANDARD

Redmond: Date: 9/18/14 Path: C:\Users\TMORRIS\Documents\SPDF_TEMP\TEMP_WORKING_FOLDER\2077600300.GPJ DB: Template\10\Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level				
35	8	44		10			SM			Difficult drilling
40	10	57		11						
45	12	33		12						
50	12	54		13						
55	8	22		14						Gravel in sampler
60	12	50/6"		16						Till-like
	5	50/5"		17						

Note: See Figure A-1 for explanation of symbols.

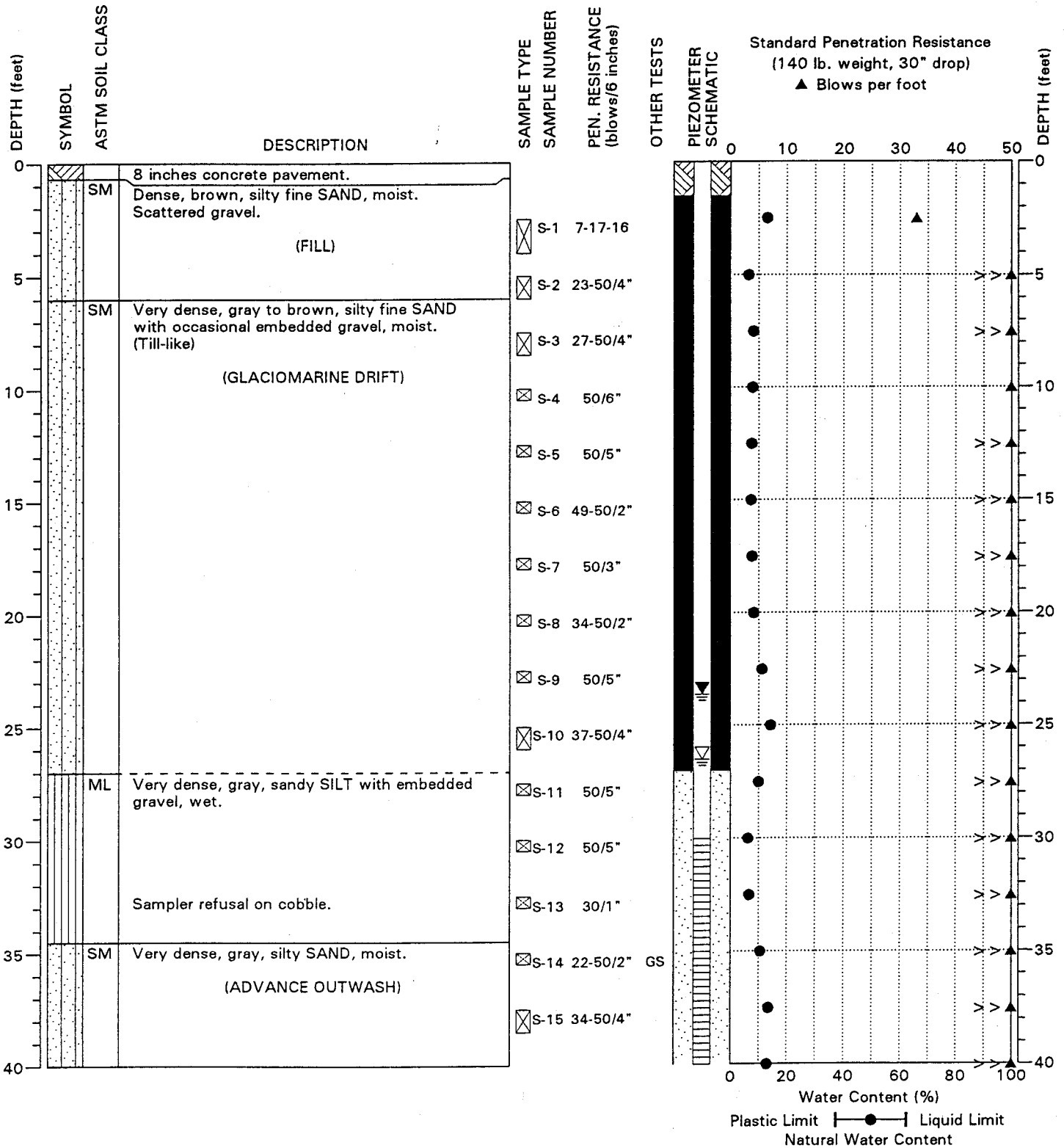
Log of Boring GEI-4 (continued)



Project: South Lake Union Marriott AC
 Project Location: Seattle, Washington
 Project Number: 20776-003-00

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 146 ± Feet

LOCATION:
 DATE COMPLETED: 9/3/97
 LOGGED BY: GWE



BORING: BB-5

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

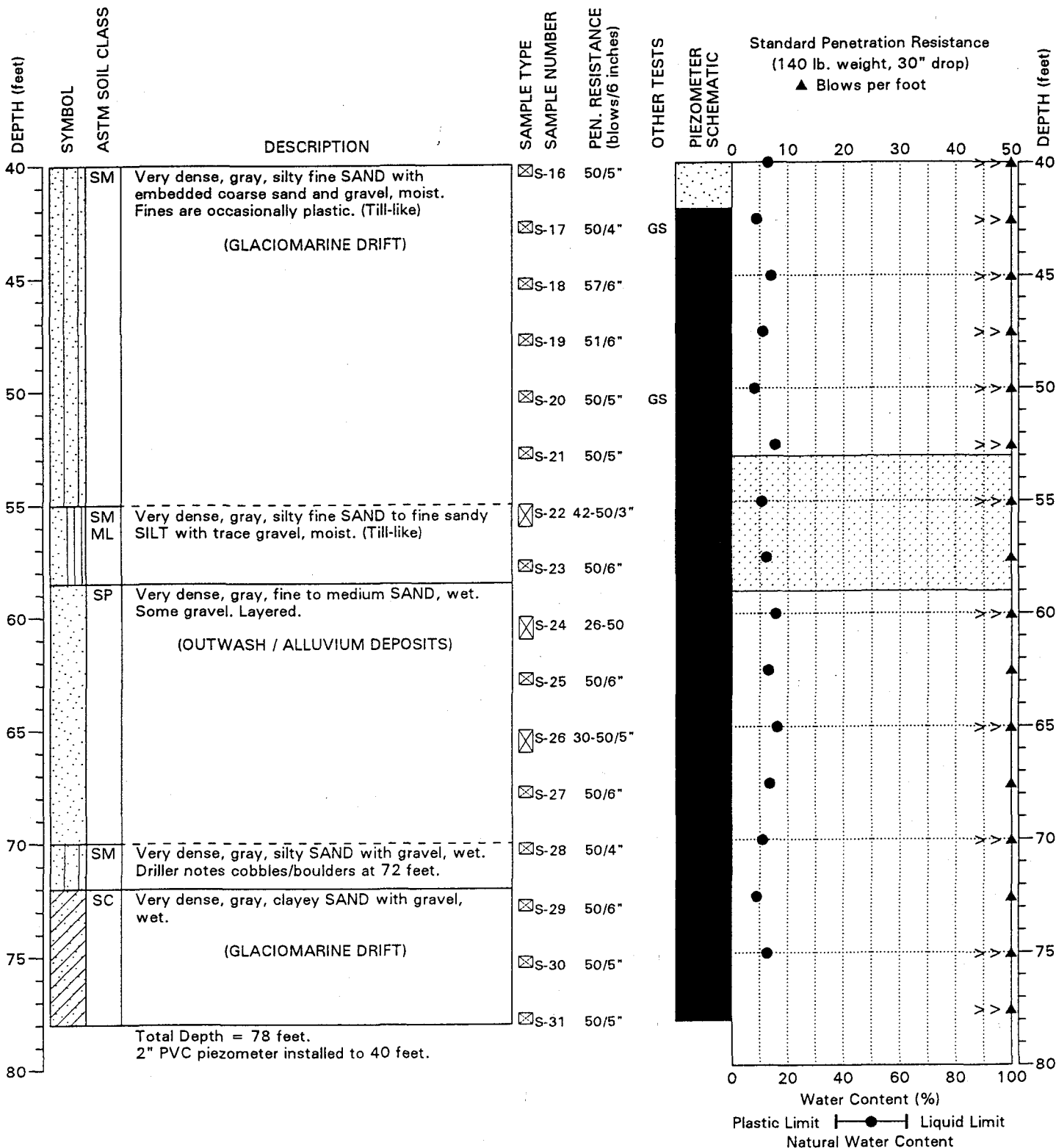
PAGE: 1 of 2

PROJECT NO.: 97061

FIGURE: A-6

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 146 ± Feet

LOCATION:
 DATE COMPLETED: 9/3/97
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-5

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

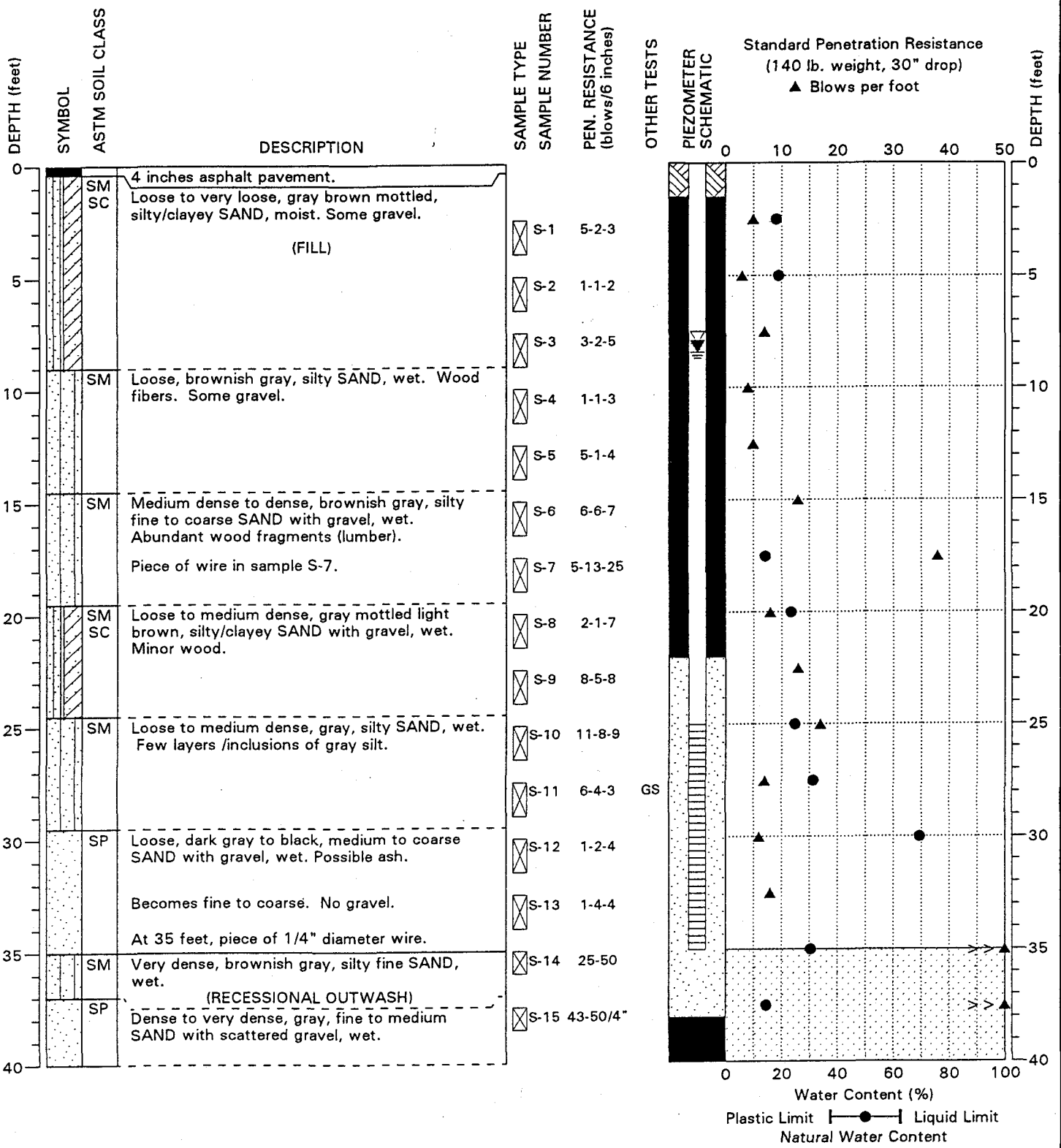
PAGE: 2 of 2

PROJECT NO.: 97061 FIGURE: A-6

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 6/4/97
 LOGGED BY: ADM/RCD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-7

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

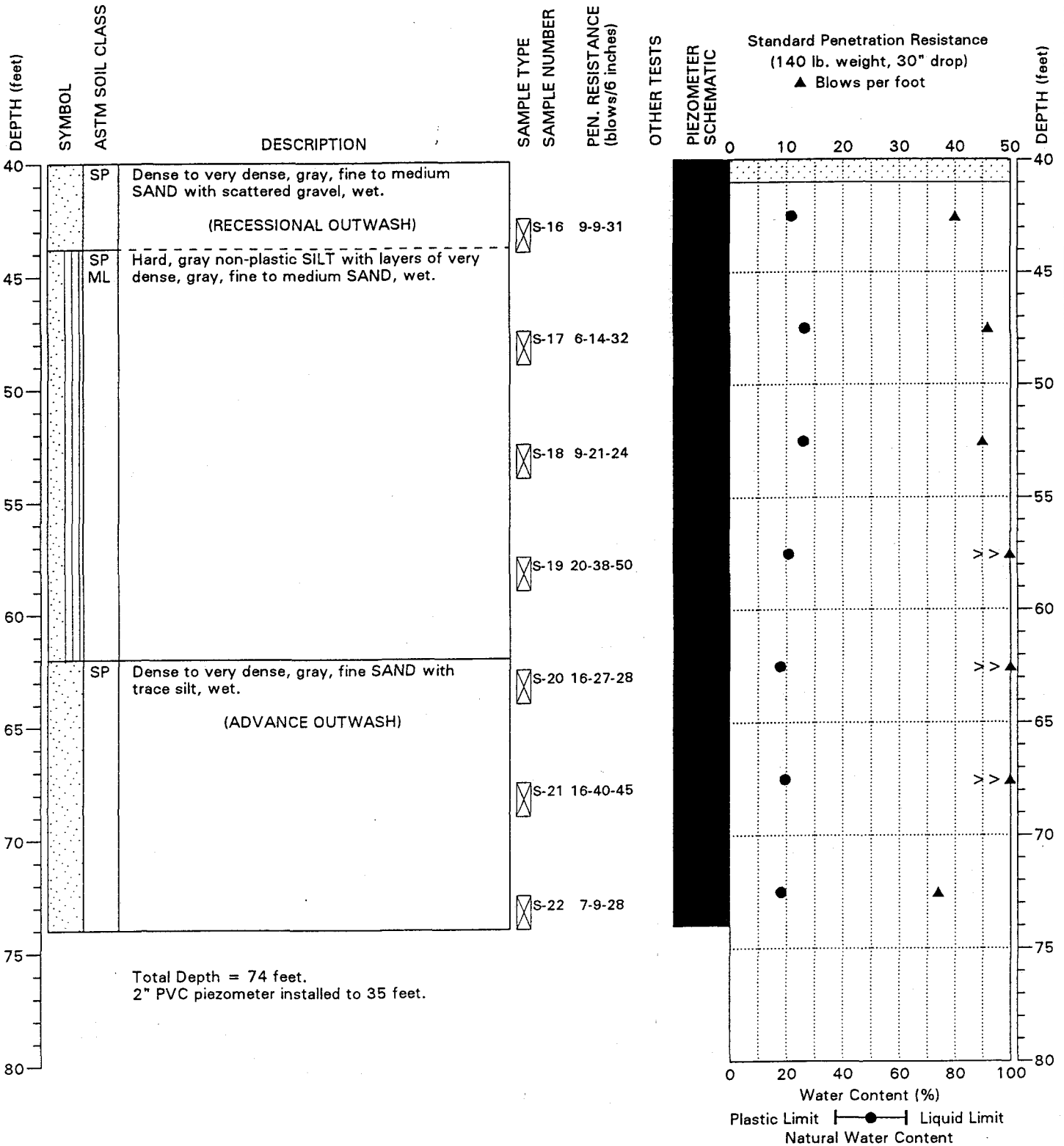
PAGE: 1 of 2

PROJECT NO.: 97061 FIGURE: A-8

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 6/4/97
 LOGGED BY: ADM/RCD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-7

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

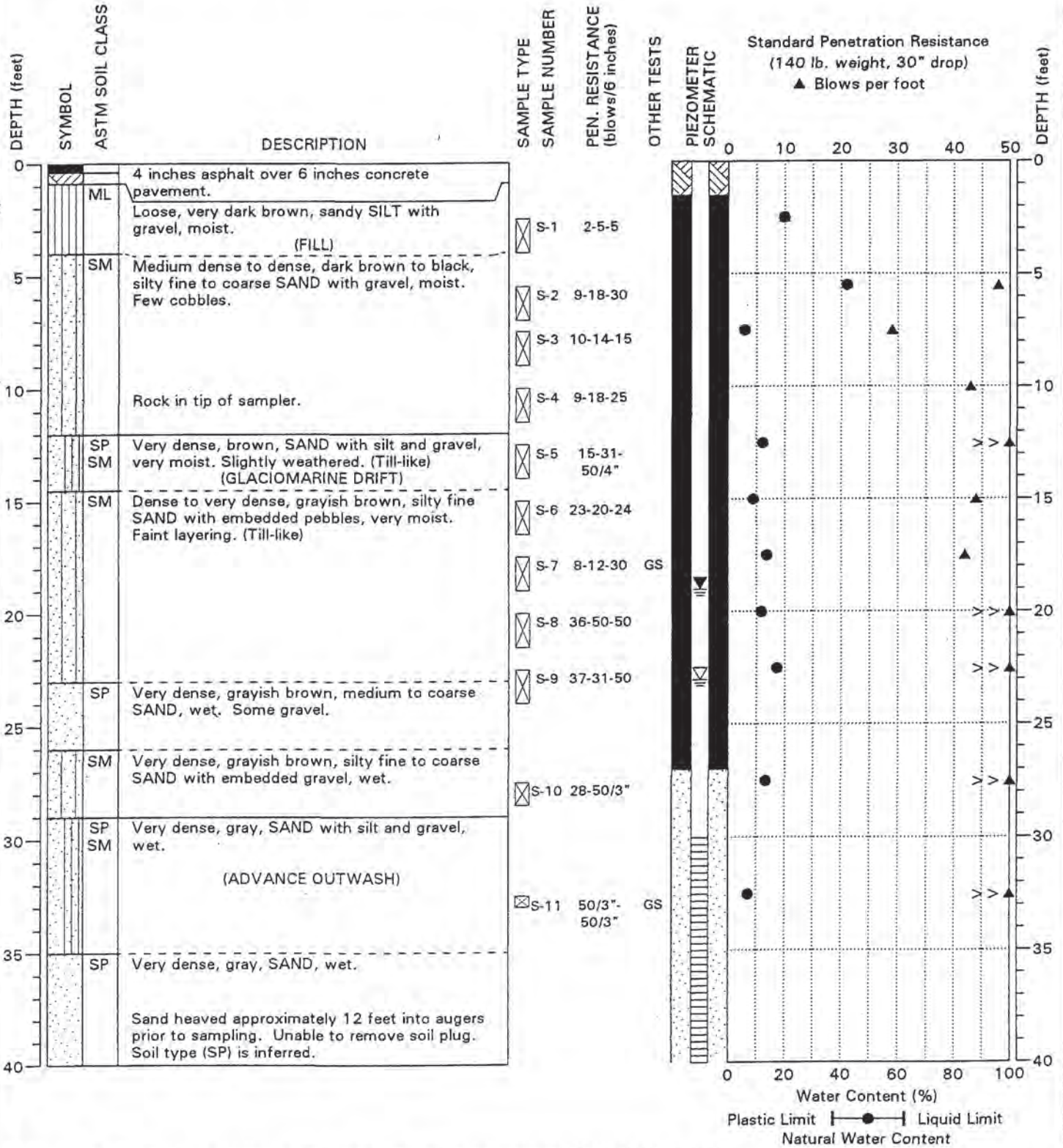
PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-8

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 142 ± Feet

LOCATION:
 DATE COMPLETED: 6/6/97
 LOGGED BY: ADM



BORING: BB- 8

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

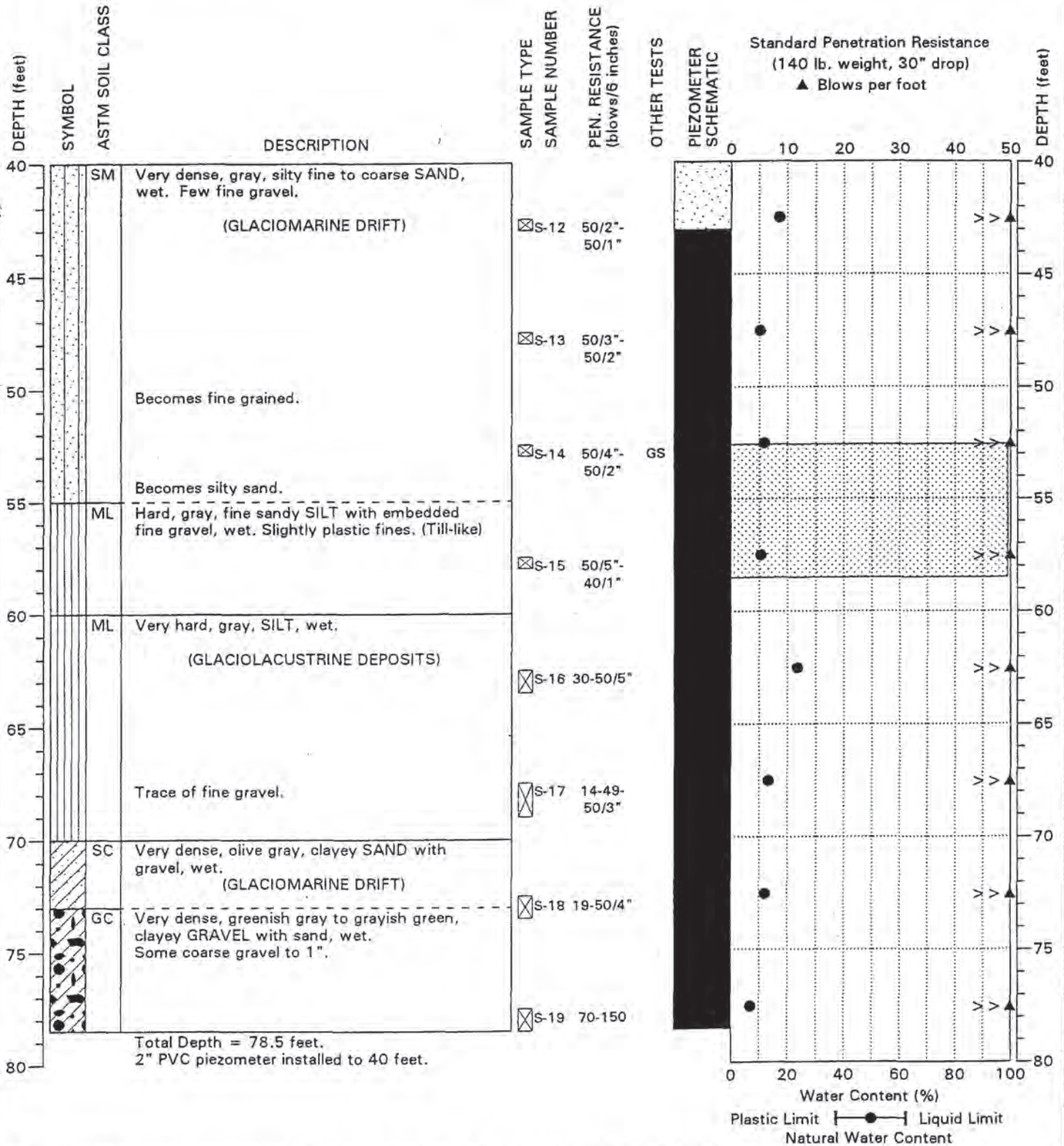
PAGE: 1 of 2

PROJECT NO.: 97061

FIGURE: A-9

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 142 ± Feet

LOCATION:
 DATE COMPLETED: 6/6/97
 LOGGED BY: ADM



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB- 8

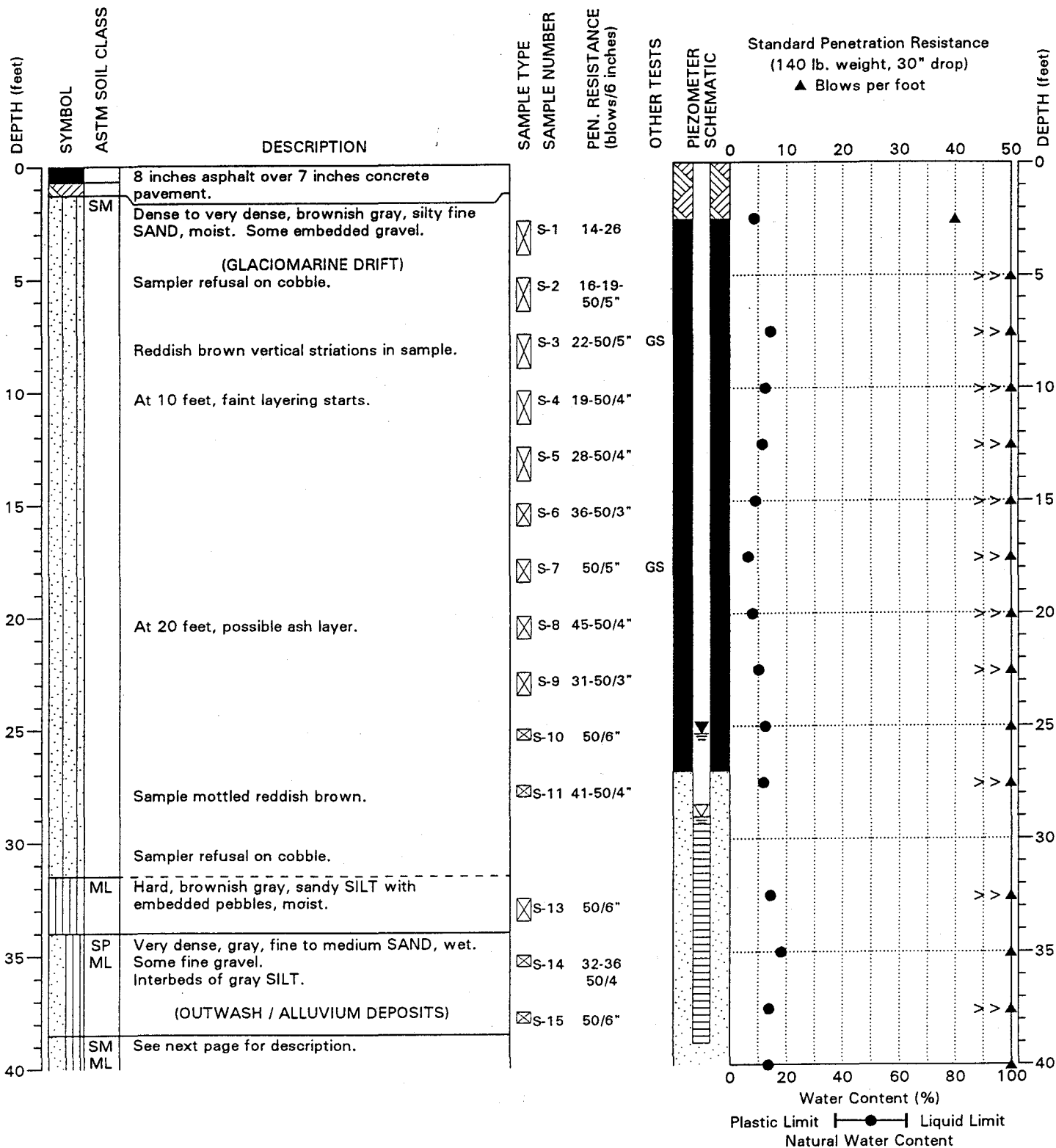
HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

PROJECT NO.: 97061 FIGURE: A-9

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 153 ± Feet

LOCATION:
 DATE COMPLETED: 8/29/97
 LOGGED BY: GWE



BORING: BB-10

HWA Denny Way / Lake Union CSO, Contract B
 Seattle, Washington
 HWA GEOSCIENCES INC.

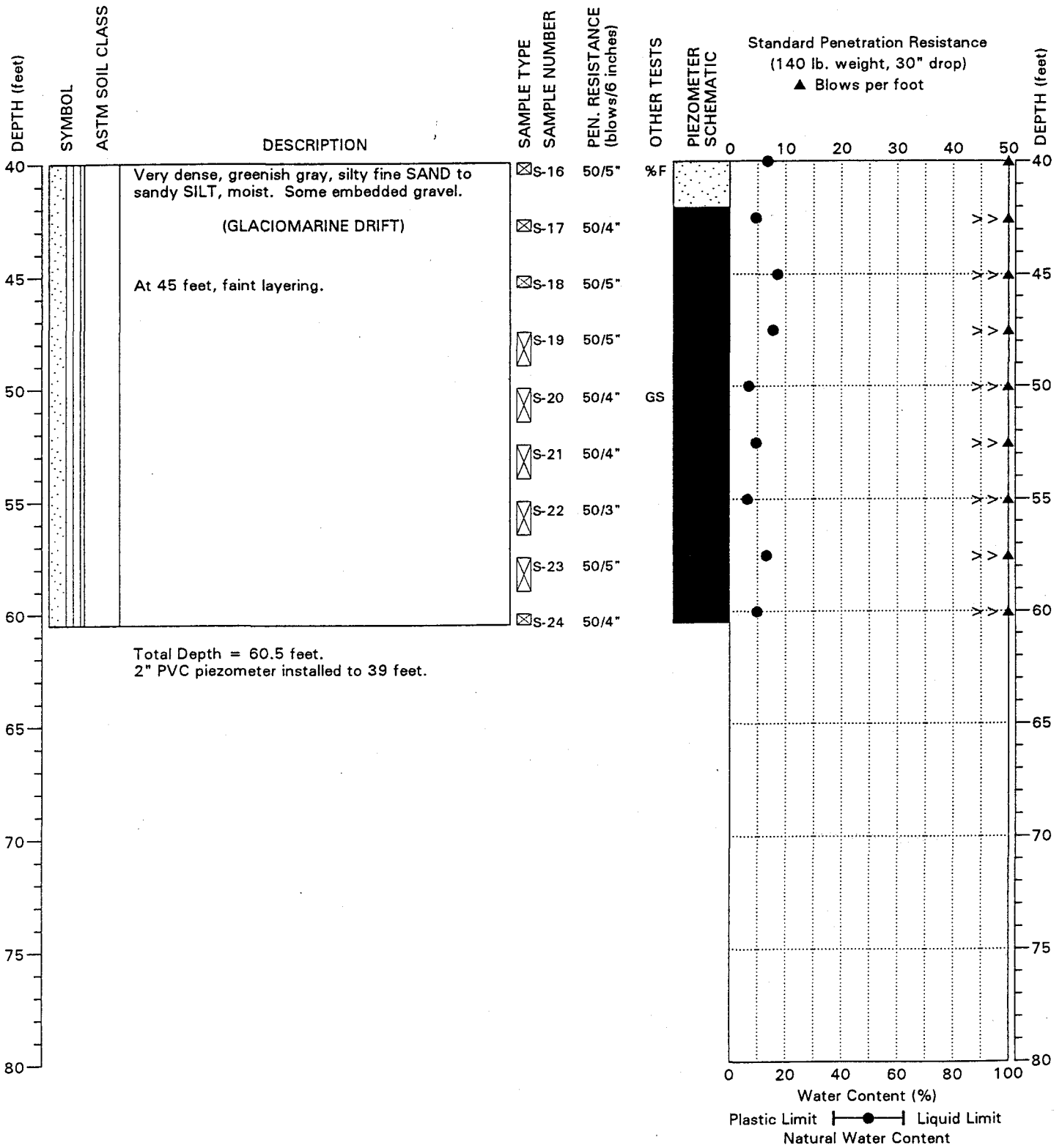
PAGE: 1 of 2

PROJECT NO.: 97061

FIGURE: A-10

DRILLING COMPANY: Hokkaido Drilling
 DRILLING METHOD: B-61 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 153 ± Feet

LOCATION:
 DATE COMPLETED: 8/29/97
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-10

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

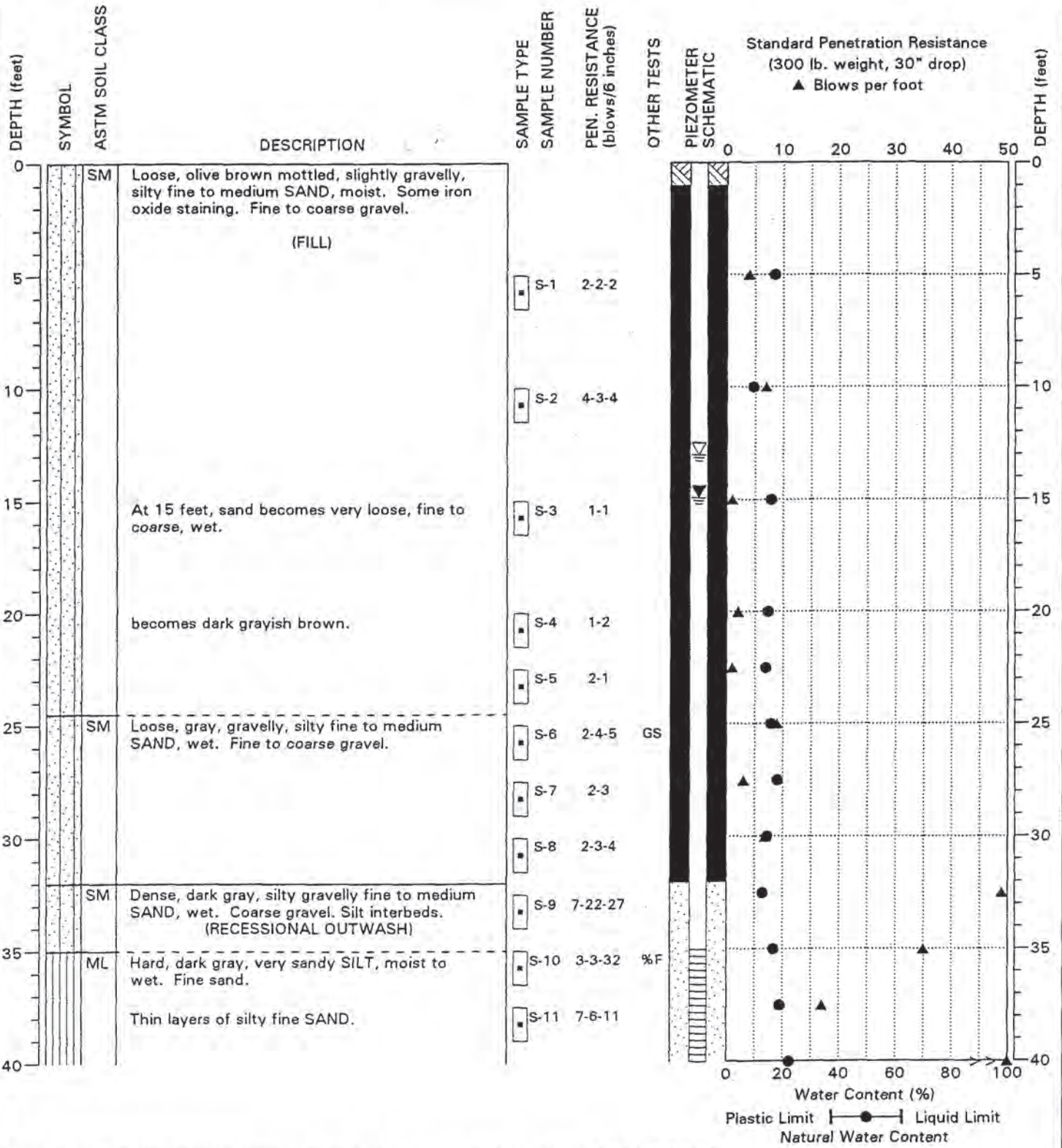
PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-10

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 131 ± Feet

LOCATION:
 DATE COMPLETED: 3/18/98
 LOGGED BY: GWE



BORING: BB-12

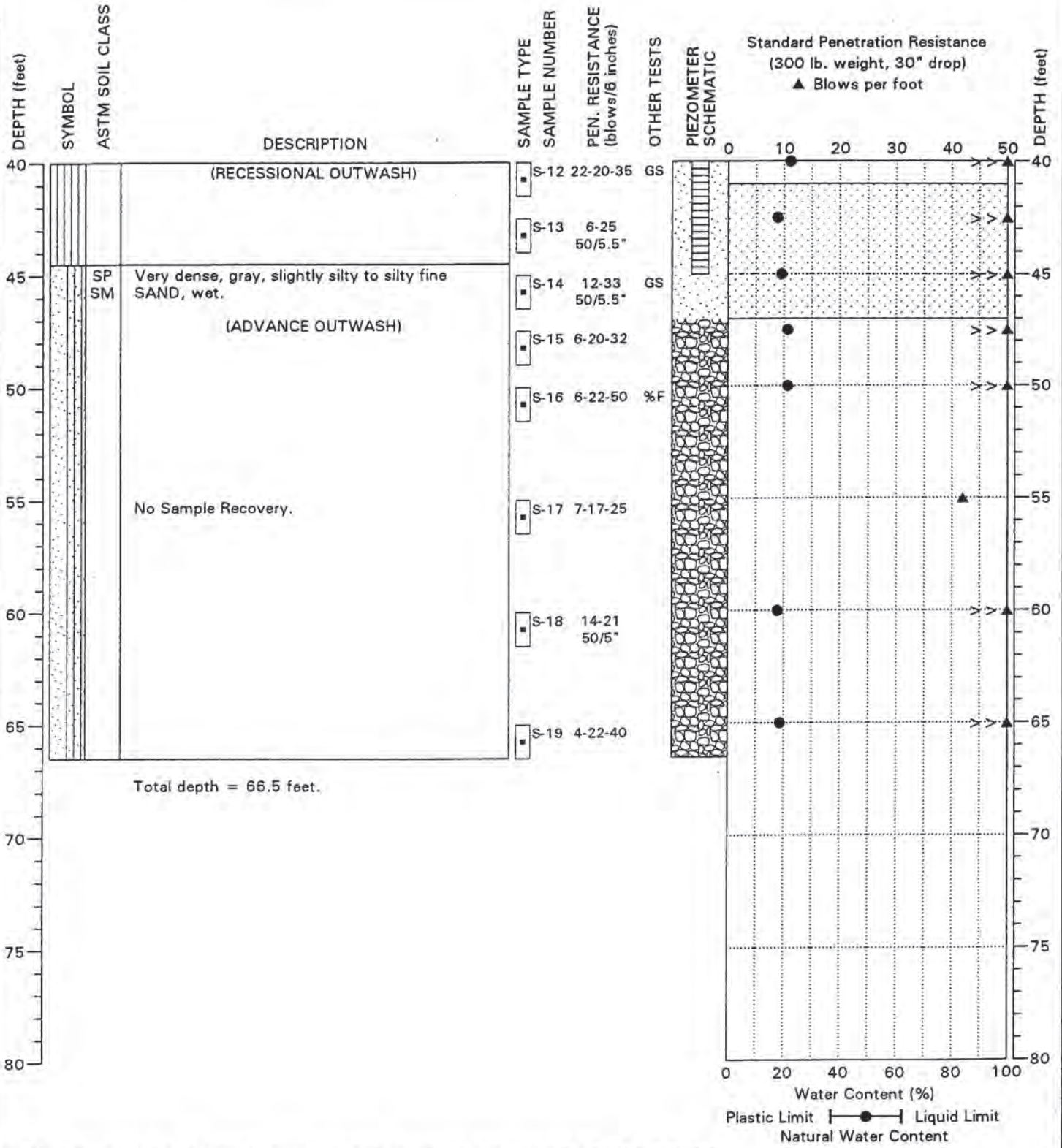
HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 1 of 2

PROJECT NO.: 97061 FIGURE: A-13

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 131 ± Feet

LOCATION:
 DATE COMPLETED: 3/18/98
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-12

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

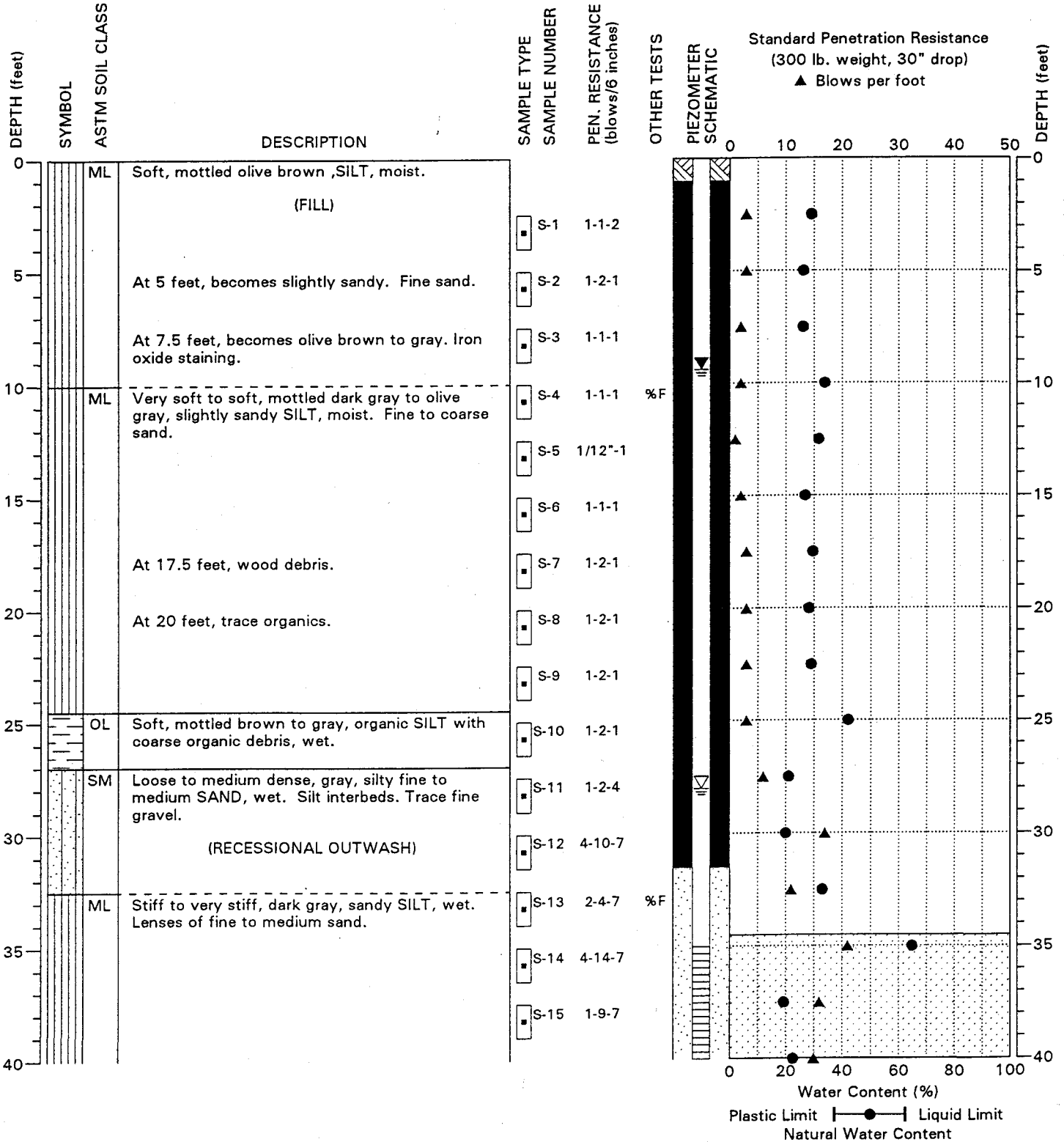
PROJECT NO.: 97061

FIGURE: A-13

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

Doc ID 3364

LOCATION:
 DATE COMPLETED: 3/19/98
 LOGGED BY: GWE



BORING: BB-13

TWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

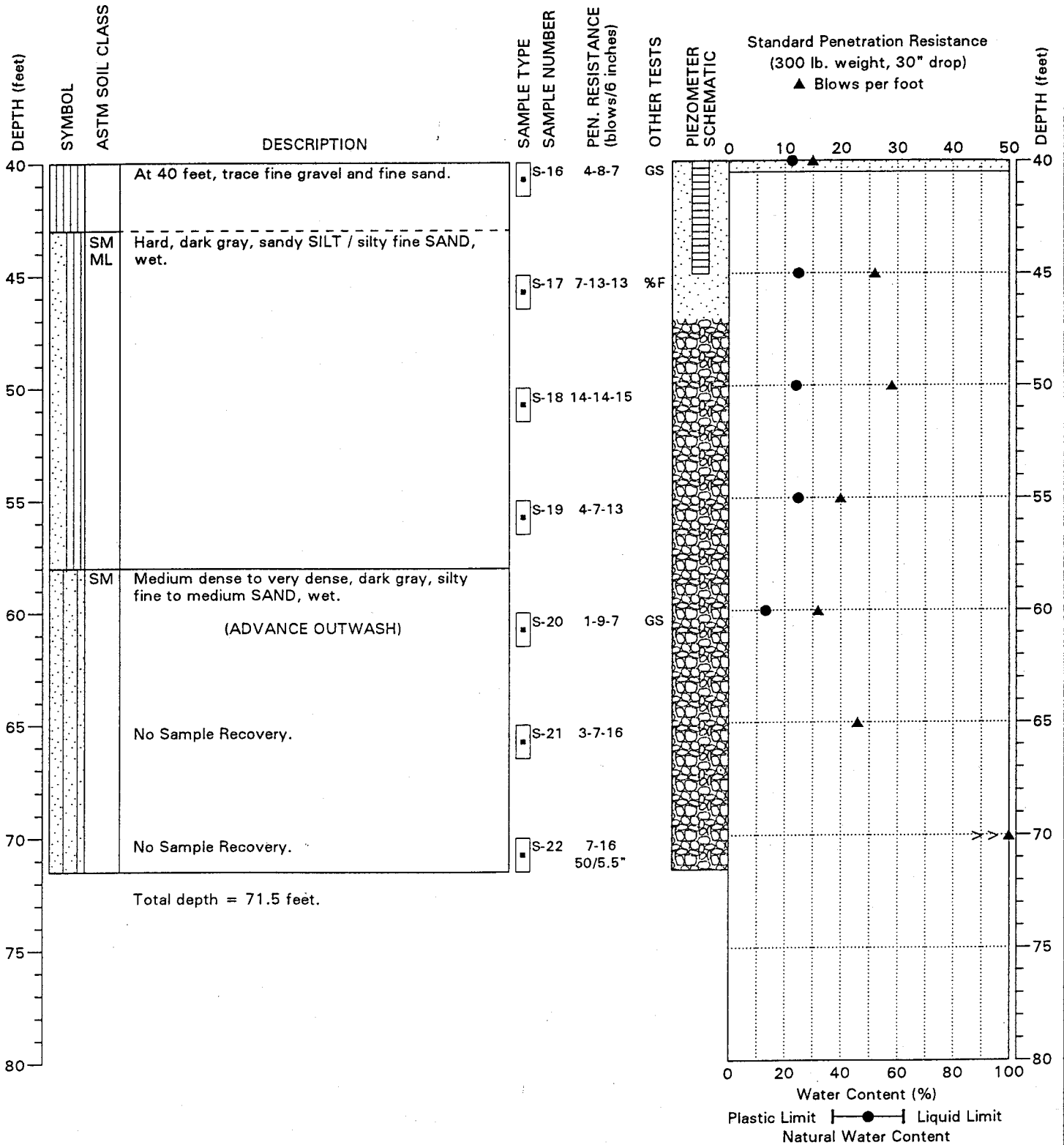
PAGE: 1 of 2

PROJECT NO.: 97061 FIGURE: A-14

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 3/19/98
 LOGGED BY: GWE



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-13

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

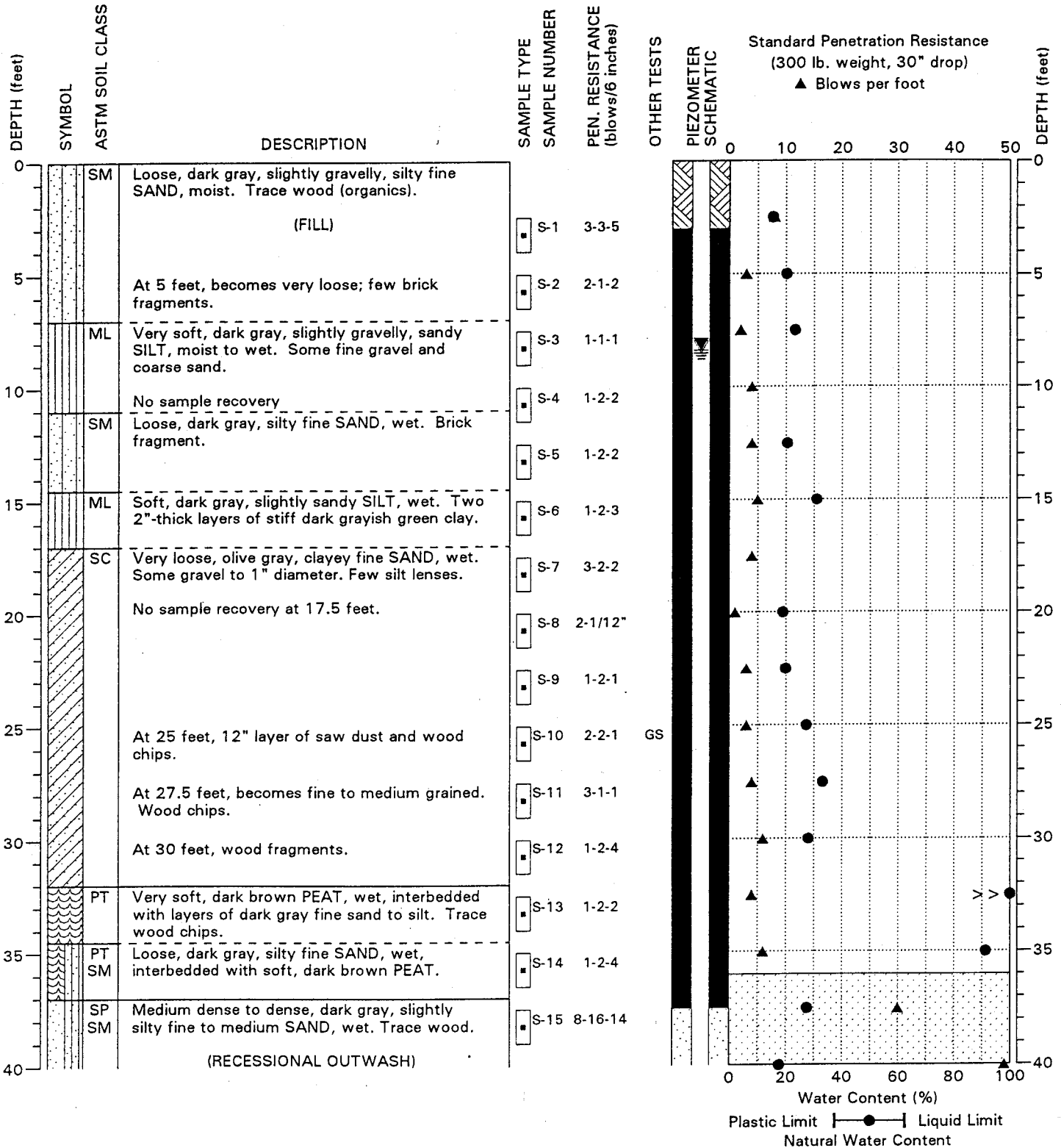
PROJECT NO.: 97061

FIGURE: A-14

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

DOC ID 3364

LOCATION:
 DATE COMPLETED: 3/3/98
 LOGGED BY: MB



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: BB-14

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 1 of 2

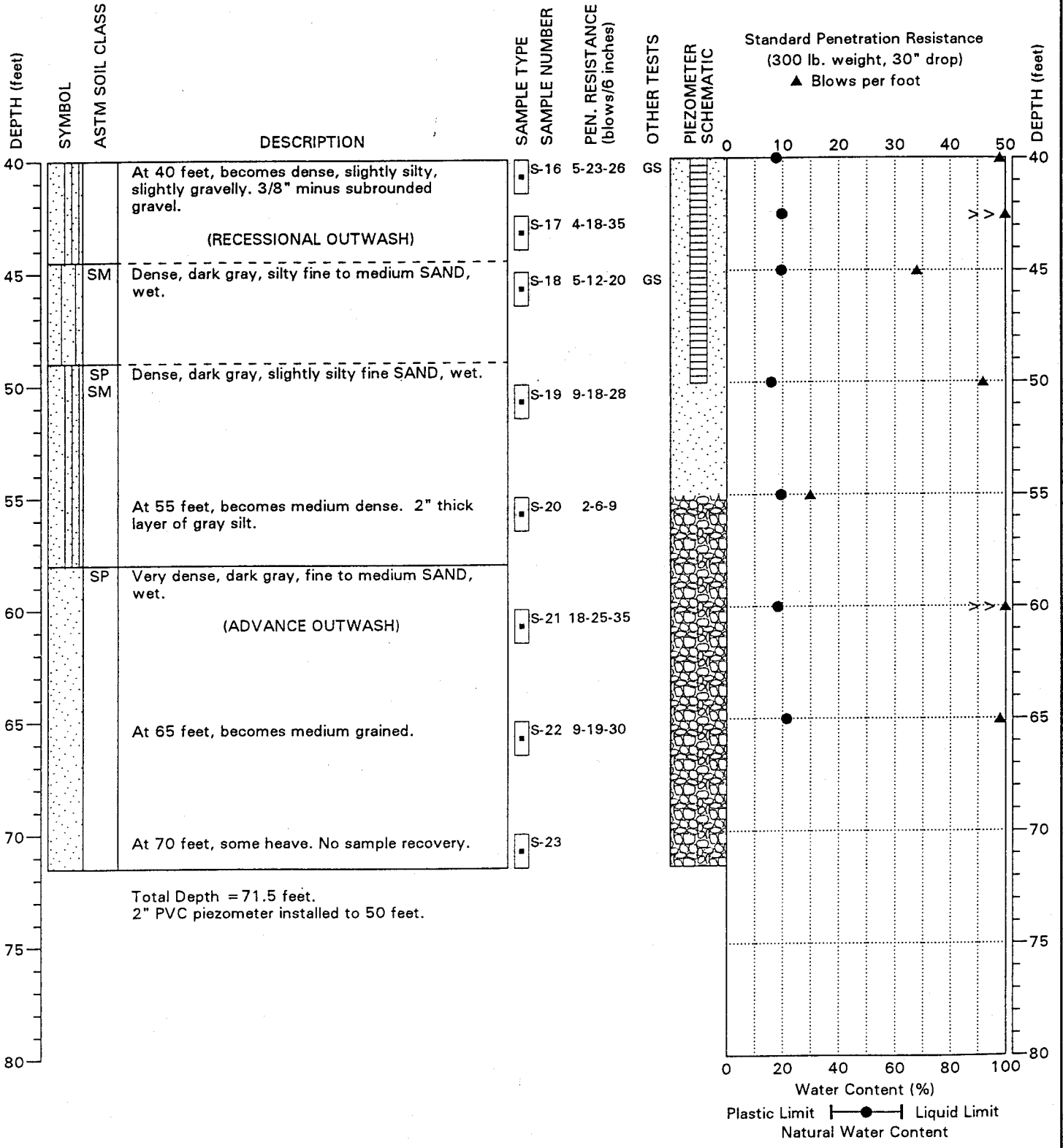
PROJECT NO.: 97061

FIGURE: A-15

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, 4.5" ID HSA
 SURFACE ELEVATION: 125 ± Feet

Doc ID 3364

LOCATION:
 DATE COMPLETED: 3/3/98
 LOGGED BY: MB



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

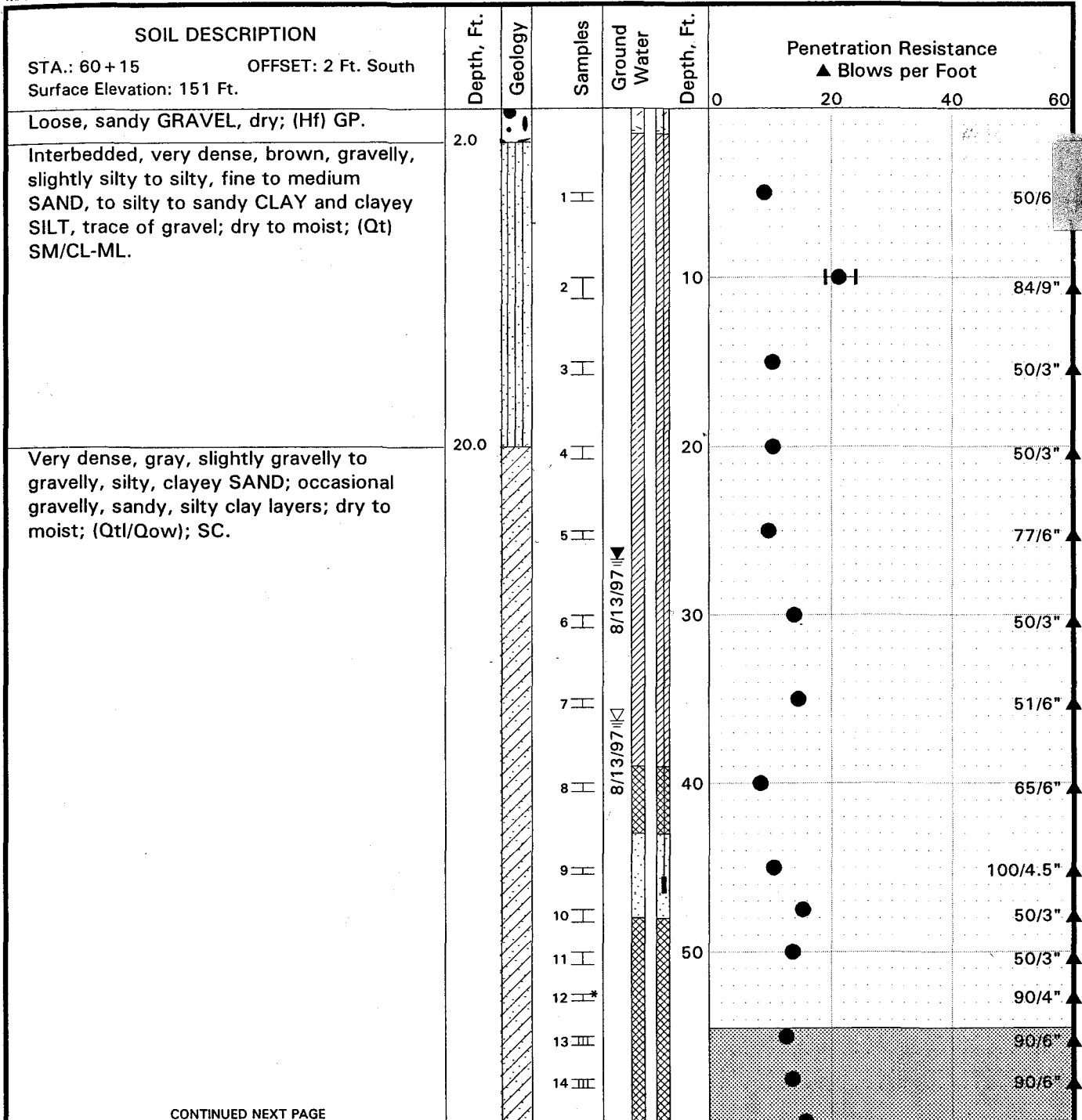
BORING: BB-14

HWA Denny Way / Lake Union CSO, Contract B
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 2 of 2

PROJECT NO.: 97061

FIGURE: A-15



CONTINUED NEXT PAGE

LEGEND

- * Sample Not Recovered
- I 2" O.D. Split Spoon Sample
- II 3" O.D. Shelby Tube Sample
- P Pitcher Barrel Sampler
- III 3" O.D. Split Spoon Sample
- G Grab Sample

- Vibrating Wire Piezometer (VWP)
- ▼ VWP groundwater level
- Piezometer Screen
- ▽ Groundwater Level
- ⊗ Annular Sealant
- ⊠ Grout

- % Water Content
- Liquid Limit
- Plastic Limit
- Natural Water Content

NOTES

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. Refer to KEY for explanation of "Symbols" and definitions.
5. USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
Mercer Street Tunnel
Seattle, Washington

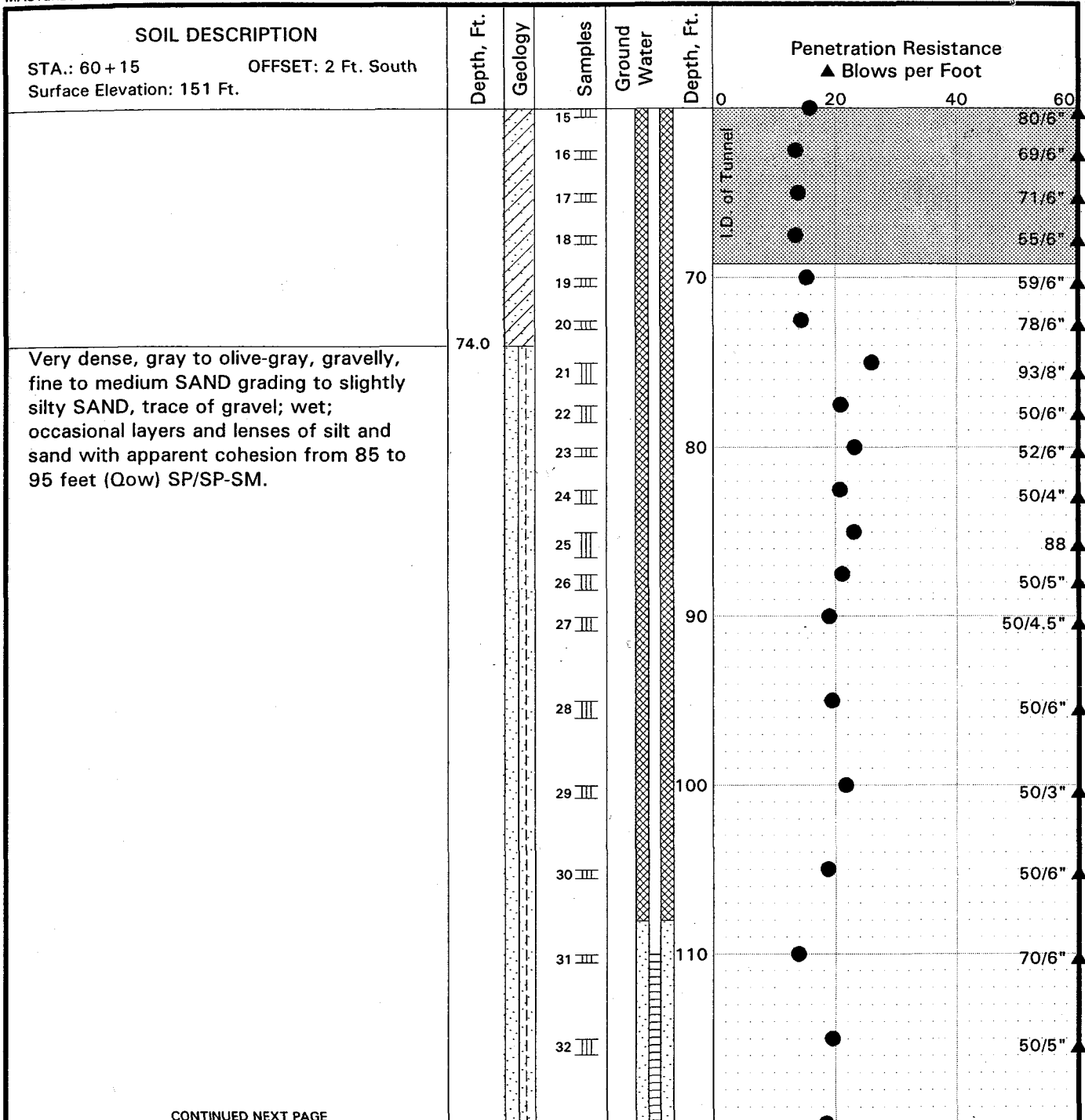
LOG OF BORING TB 12

October 1997

W-7808-21

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

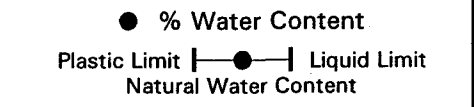
FIG. A-12
Sheet 1 of 3



CONTINUED NEXT PAGE

LEGEND

- * Sample Not Recovered
- ▤ 2" O.D. Split Spoon Sample
- ▥ 3" O.D. Shelby Tube Sample
- P Pitcher Barrel Sampler
- ▧ 3" O.D. Split Spoon Sample
- G Grab Sample
- ▨ Vibrating Wire Piezometer (VWP)
- ▼ VWP groundwater level
- ▩ Piezometer Screen
- ▽ Groundwater Level
- Annular Sealant
- ▬ Grout



NOTES

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.
- Refer to KEY for explanation of "Symbols" and definitions.
- USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
Mercer Street Tunnel
Seattle, Washington

LOG OF BORING TB-12

October 1997 W-7808-21

SHANNON & WILSON, INC. <small>Geotechnical and Environmental Consultants</small>	FIG. A-12 Sheet 2 of 3
--	----------------------------------

SOIL DESCRIPTION STA.: 60 + 15 OFFSET: 2 Ft. South Surface Elevation: 151 Ft.	Depth, Ft.	Geology	Samples	Ground Water	Depth, Ft.	Penetration Resistance ▲ Blows per Foot
<p>BOTTOM OF BORING COMPLETED 8/1/97</p> <p>Groundwater was initially encountered at 31 feet during drilling.</p> <p>NOTE: This boring was moved 5 feet north due to an obstruction encountered during drilling.</p>	120.8		33		0, 130, 140, 150, 160, 170	<p>0 20 40 60</p> <p>● 20 ▲ 50/3"</p>

LEGEND

- * Sample Not Recovered
- I 2" O.D. Split Spoon Sample
- II 3" O.D. Shelby Tube Sample
- P Pitcher Barrel Sampler
- III 3" O.D. Split Spoon Sample
- G Grab Sample
- ▤ Vibrating Wire Piezometer (VWP)
- ▼ VWP groundwater level
- ▥ Piezometer Screen
- ≡ Groundwater Level
- ▩ Annular Sealant
- ▨ Grout

- % Water Content
- Plastic Limit
- Liquid Limit
- Natural Water Content

NOTES

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.
4. Refer to KEY for explanation of "Symbols" and definitions.
5. USC letter symbol based on visual classification.

Denny Way/Lake Union CSO Project
Mercer Street Tunnel
Seattle, Washington

LOG OF BORING TB-12

October 1997

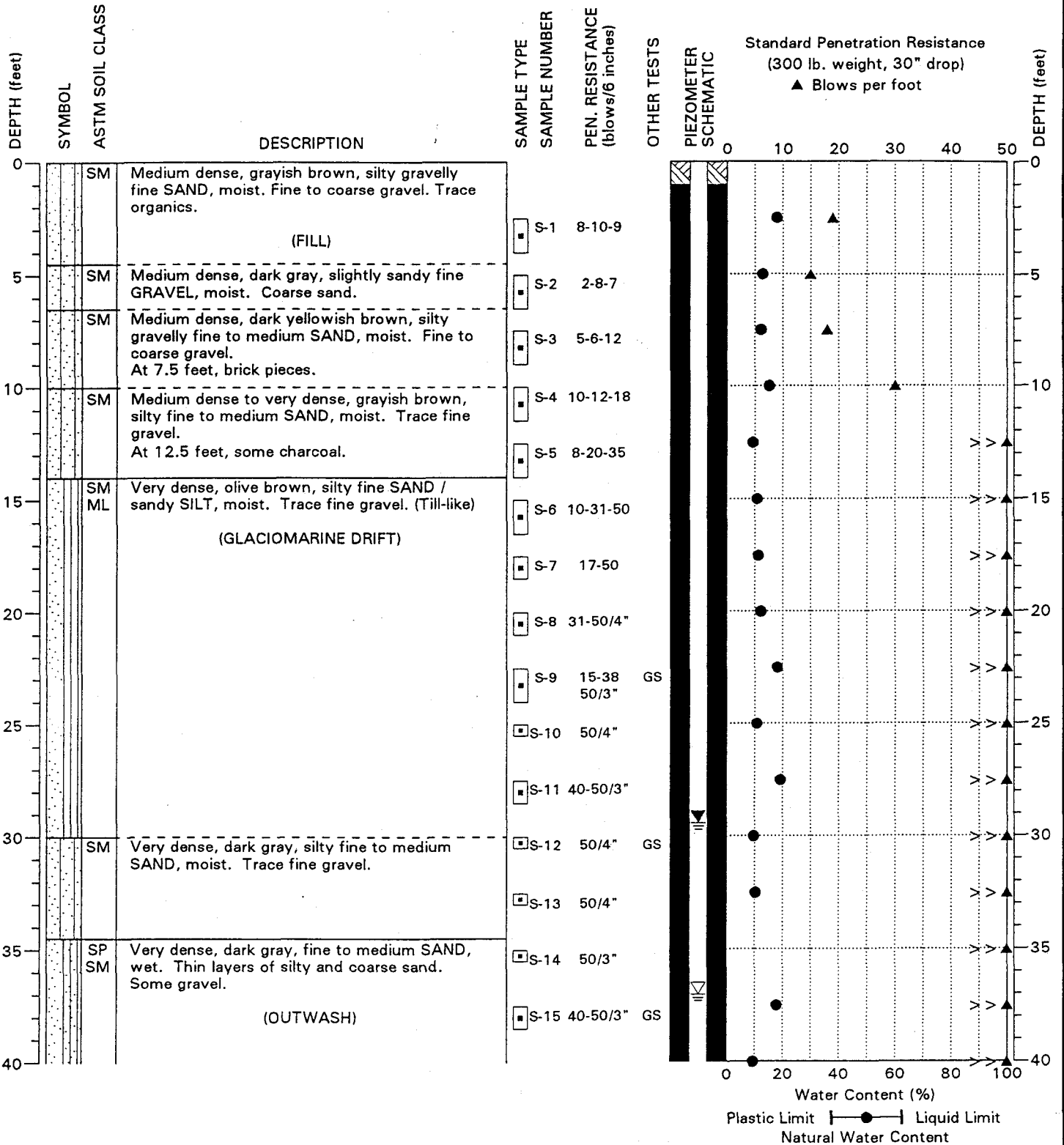
W-7808-21

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. A-12
Sheet 3 of 3

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

IWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

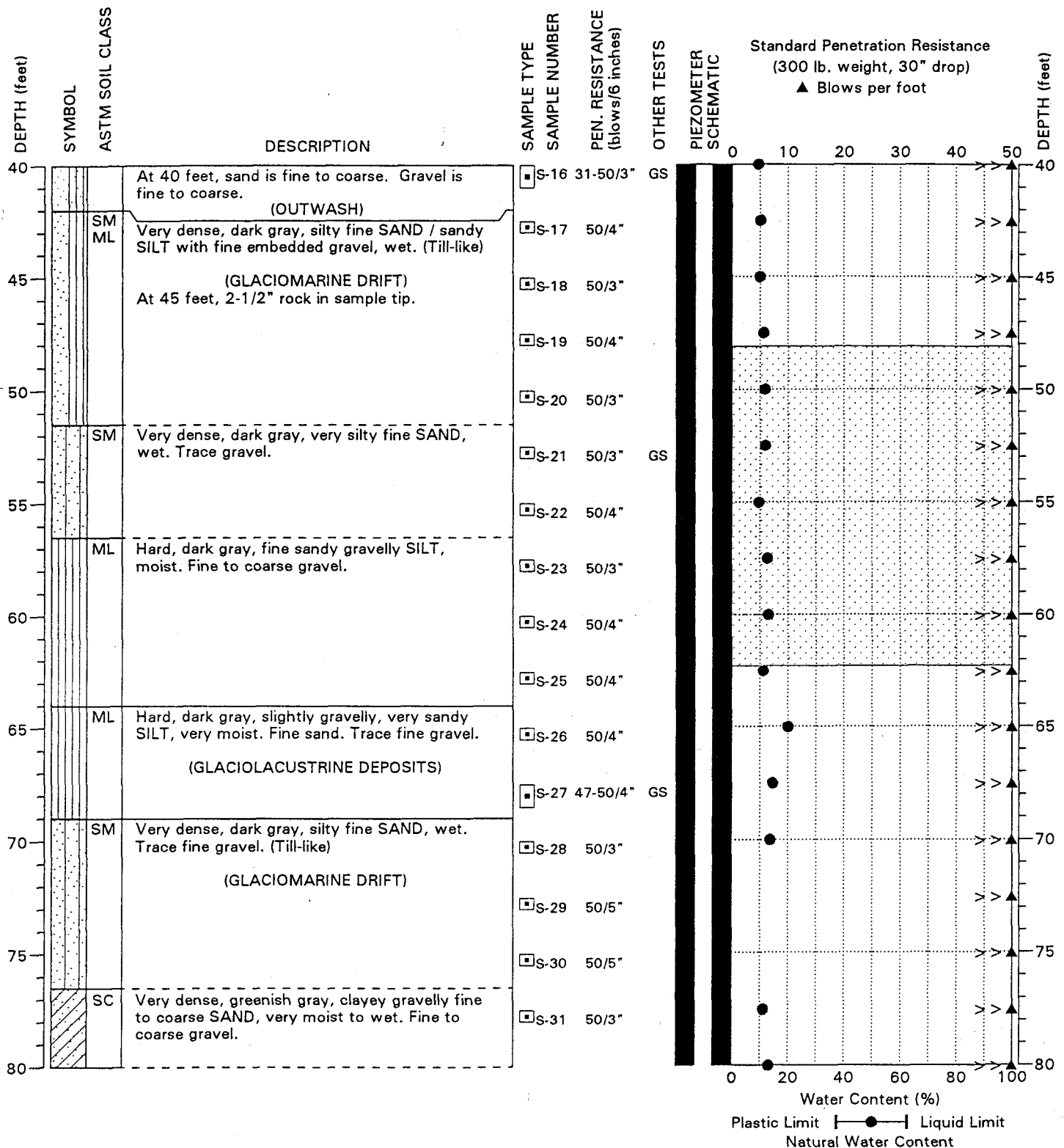
PAGE: 1 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



BORING: TB-18

IWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

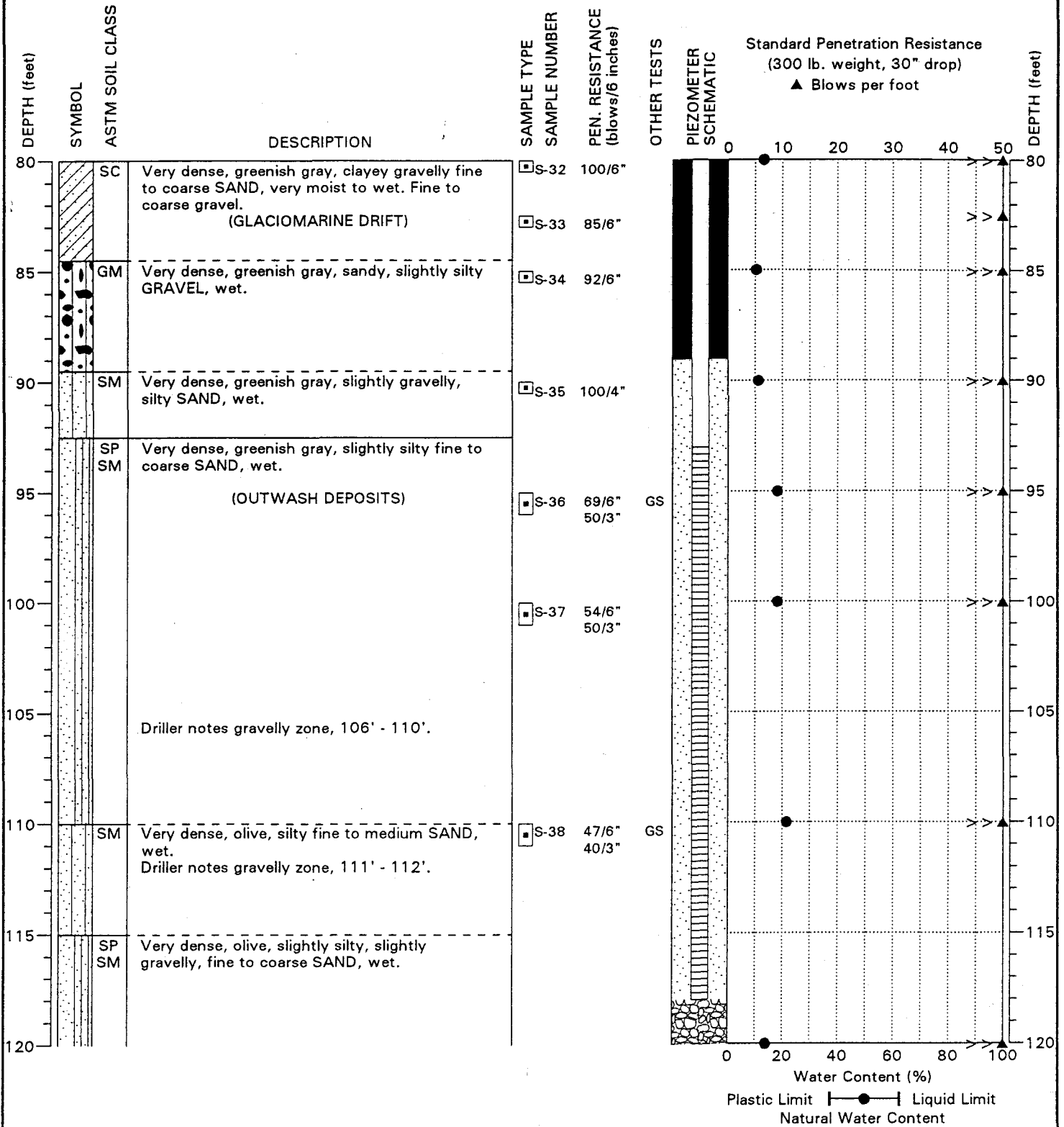
PAGE: 2 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

HWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

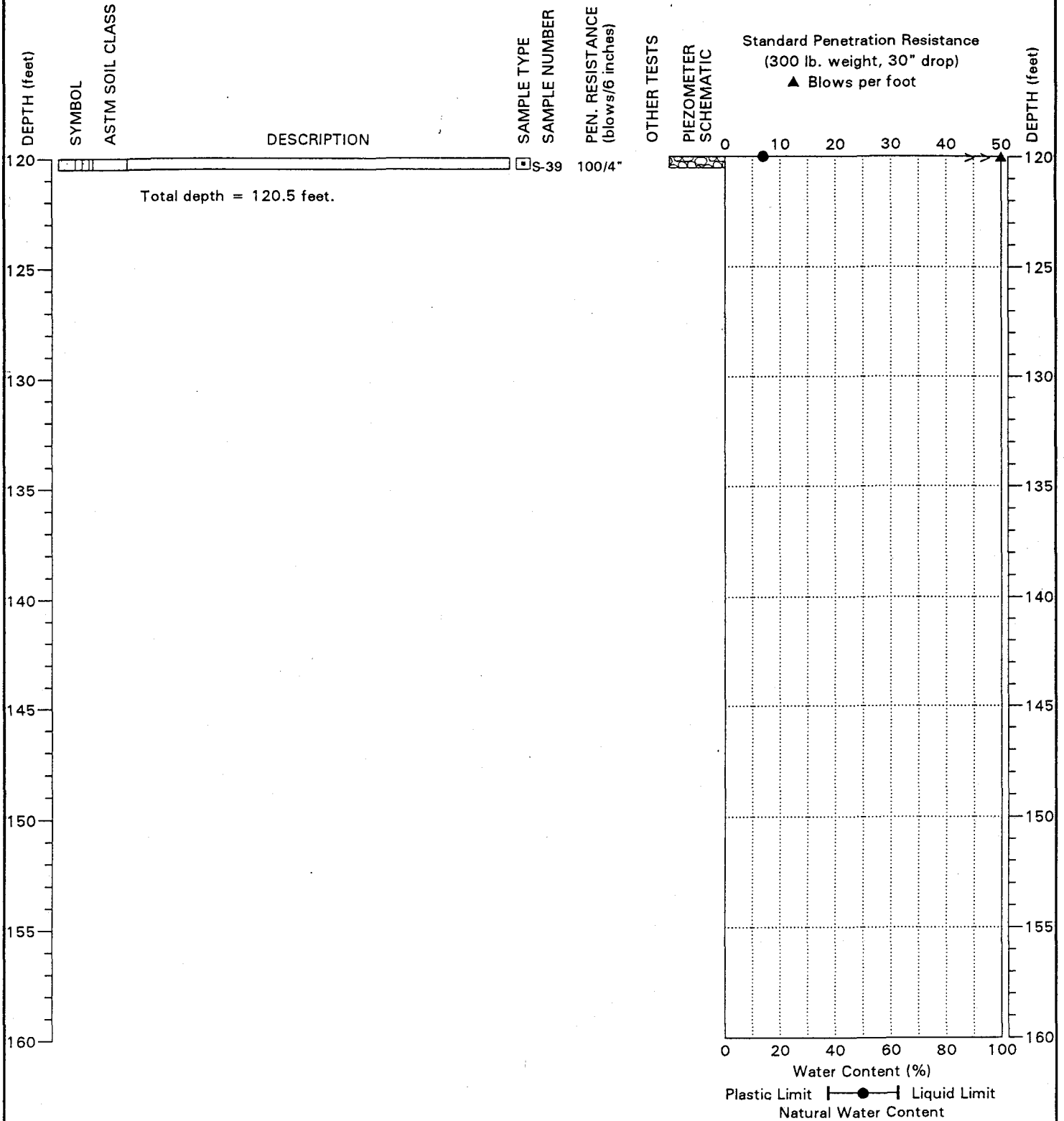
PAGE: 3 of 4

PROJECT NO.: 97061

FIGURE: A-20

DRILLING COMPANY: Cherokee
 DRILLING METHOD: B-59 Mobile, Mud Rotary, 5"
 SURFACE ELEVATION: 145.3 ± Feet

LOCATION:
 DATE COMPLETED: 3/17/98
 LOGGED BY: SG/RD



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

BORING: TB-18

HWA Denny Way / Lake Union CSO, Contract A
 HWAGEOSCIENCES INC. Seattle, Washington

PAGE: 4 of 4

PROJECT NO.: 97061

FIGURE: A-20

Project: Maryalt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW1	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 28.11	Total Depth (ft): 16.5
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 8.3	Stabilized (ft): 7.4
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 14 ft to 4 ft
Drilling Equipment: Mobile B-36		Pack: 10-20 Sand	from 15 ft to 3.5 ft
Sampler: Split Spoon		Seal: Bentonite	from 3.5 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	FILL 50% sand and silt, 50% bricks, concrete blocks, railroad spikes, etc. Dark black, wet clay. Tarry appearance, no odor.				7 10 10	0	75	
5 - 10	Sandy SILT Red and black, fine grained sand, 15% fine gravel, very wet, no odor (Fill?)	SM			8 16 12		55	
10 - 15	SAND Grey-green, medium to coarse grained, 10% fine gravel, 15% clay mostly well rounded, saturated. SAND Medium to coarse, yellow gold colored bititic. Possible oily sheen on soil.	SW			23 28 34			
15 - 20								
20 - 25								
25 - 30								
30 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW2	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 30.86	Total Depth (ft): 15.0
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 10.6	Stabilized (ft): 10.2
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 15 ft to 5 ft
Drilling Equipment: Mobile 11-56		Pack: 10-20 Sand	from 15 ft to 4 ft
Sampler: Split Spoon		Seal: Bentonite	from 4 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	FILL Clay, sand, bricks, concrete blocks. SILT Medium greenish-tan, abundant orange mottling, moist, cohesive, no odor, <10% wood fragments.				4 5 8		95	
5 - 10	Sandy SILT Medium green to brown, very moist, cohesive, moderate hydrocarbon odor. (Pill?)	SM			4 6 8		70	
10 - 15	Silty SAND Mottled orange-brown and dark green, medium grained, saturated, weak hydrocarbon odor. (Pill?)						30	
15 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW3	
Date Started: 10/22/92	Completed: 10/22/92	Measuring Point Elevation (ft): 32.04	Total Depth (ft): 17.0
Logged by: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 12.0	Stabilized (ft): 11.4
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 17 ft to 7 ft
Drilling Equipment: Mobile B-56		Pack: 10-20 Sand	from 17 ft to 6 ft
Sampler: Split Spoon		Seal: Bentonite	from 6 ft to 1.5 ft
		Cement	from 1.5 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
0 - 5	<p>Silt: Sand Fill Light grayish-brown, moist, slightly cohesive, no odor.</p> <p>Sandy Silt Fill Dark brown to green, very moist, cohesive, no odor.</p>				10 14 10		30	
5 - 10	<p>Silty Sand Fill Tan, fine to medium grained, <10% fine gravel, moist, cohesive, no odor.</p>				4 8 10		95	
10 - 15	<p>Silt and Sand Fill Medium brown to black, broken glass fragments, some gravel, wet, cohesive, very weak hydrocarbon odor.</p>				8 10 21		70	
15 - 35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW4	
Dug Started: 10/23/92	Completed: 10/23/92	Measuring Point Elevation (ft): 40.94	Total Depth (ft): 36.5
Logged By: T. Ramsden	Checked By: BH	Water Level During Drilling (ft): 26.0	Stabilized (ft): 21.9
Drilling Co: Tacona Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Slot	from 30 ft to 15 ft
Drilling Equipment: Mobile H-50		Pack: 10-20 Sand	from 30.5 ft to 12.5 ft
Sampler: Split Spoon		Seal: Bentonite	from 12.5 ft to 2 ft
		Cement	from 2 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	OVM (ppm)	Recovery (%)	REMARKS
5	EL Brown silty sand, gravel with large concrete blocks near surface.				44 50/2"		75	
10	SILTY SAND Medium grained.	SM			50/2"		0	
15	SILTY SAND Brown, 10% gravel up 1", moist slightly loose, no odor.				20 50/4"	0	100	
20	SILTY SAND Dark brown, 5-10% gravel very moist, cohesive no odor.				25/2"		0	
25	SANDY SILT Brown, <10% fine gravel, no odor, moist, cohesive.	ML			50/4"		100	
30	SANDY SILT Gray-green, <5% fine gravel, very moist, hard, no odor.				50/6"		100	
35	SILTY SAND Greenish grey, medium to coarse grained, <10% gravel up to 2", saturated no odor.	SP			58 43 50/4"		100	

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW5	
Date Started: 10/27/92	Completed: 10/27/92	Measuring Point Elevation (ft): 47.20	Total Depth (ft): 31.5
Logged By: B. Hull	Checked By: TR	Water Level During Drilling (ft): 26.0	Stabilizer (ft): 21.9
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.01" Slot	from 30 ft to 15 ft
Drilling Equipment: Mobile E-56		Pack: 10-20 Sand	from 30 ft to 13 ft
Sampler: Split Spoon		Seal: Bentonite	from 13 ft to 1 ft
		Cement	from 1 ft to 0 ft

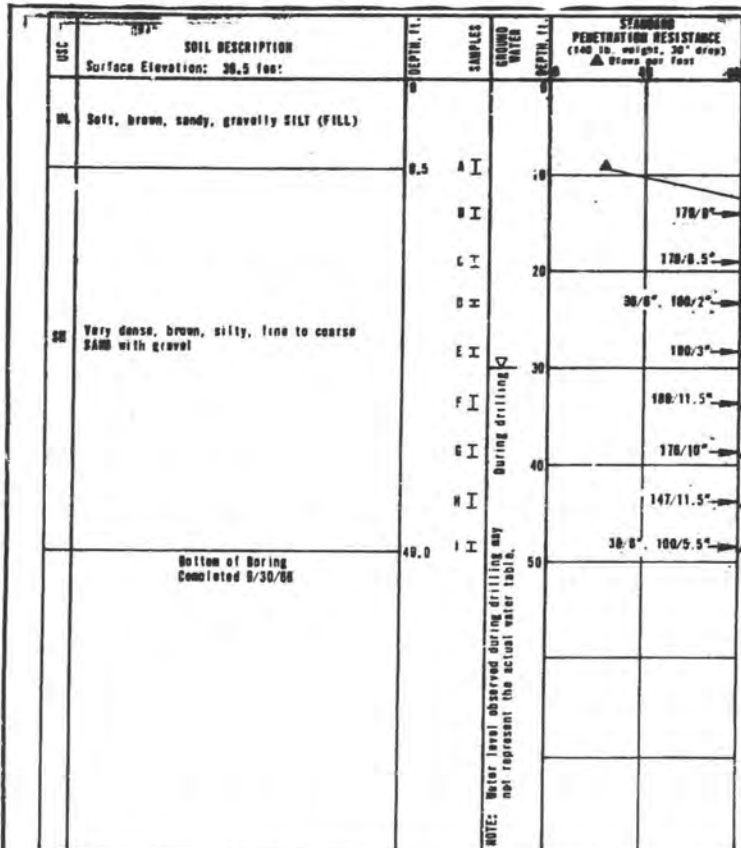
Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Flow Counts	OVM (ppm)	Recovery (%)	REMARKS
5	Ed. Medium brown, 50% gravel, 30% silt, 20% sand, damp, no odor.				5 6 6	0	70	
10	As above, moist, no odor.				4 5 6	0	80	
15	Sandy Gravel Grey, moist, 50% gravel, 40% fine to med sand, 10% silt, no odor.	GW			2 6 7	0	70	
20	Slty SAND Grey-brown, 60% fine sand, 40% silt, hard packed, dry, no odor.	SM			22 10 14	0	80	
25	Slty sandy GRAVEL Dark grey, 60% gravel, 20% sand, 20% silt, moist, no odor.	GW			26 40	0	25	
30	As above, reddish brown, wet, no odor.				20 27 18	0	70	
35								

DRAFT

Project: Maryatt Industries 773 Valley Street, Seattle, Washington		Log of Well No. MW6	
Date Started: 10/27/92	Completed: 10/27/92	Measuring Point Elevation (ft): 35.39	Total Depth (ft): 22.0
Logged By: B. Hall	Checked By: TR	Water Level During Drilling (ft): 17.0	Stabilized (ft): 17.8
Drilling Co: Tacoma Pump & Drilling		Casing: Schedule 40 PVC	Drill Bit Diameter (in): 10"
Drilling Method: Hollow-stem Auger		Perforation: 0.010 Skt	from 22 ft to 12 ft
Drilling Equipment: Mobile B-56		Pack: 10-20 Sand	from 22 ft to 10 ft
Sampler: Split Spoon		Seal: Bentonite	from 10 ft to 2 ft
		Cement	from 2 ft to 0 ft

Depth (feet)	LITHOLOGIC DESCRIPTION	Lithology	Monitoring Well Construction	Sample	Blow Counts	GVZ (gpm)	Recovery (%)	REMARKS
0								
8	Medium brown, 50% gravel, 30% sand, 20% silt, brick fragments, damp, no odor.				11 11 15	0	50	
10	As above, abundant brick fragments.				22 24 18	0	50	
15	As above, grey, moist, no odor.				26 18	0	50	
20	As above, wet, no odor.				12 12 18	0	50	
25								
30								
35								

DRAFT



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

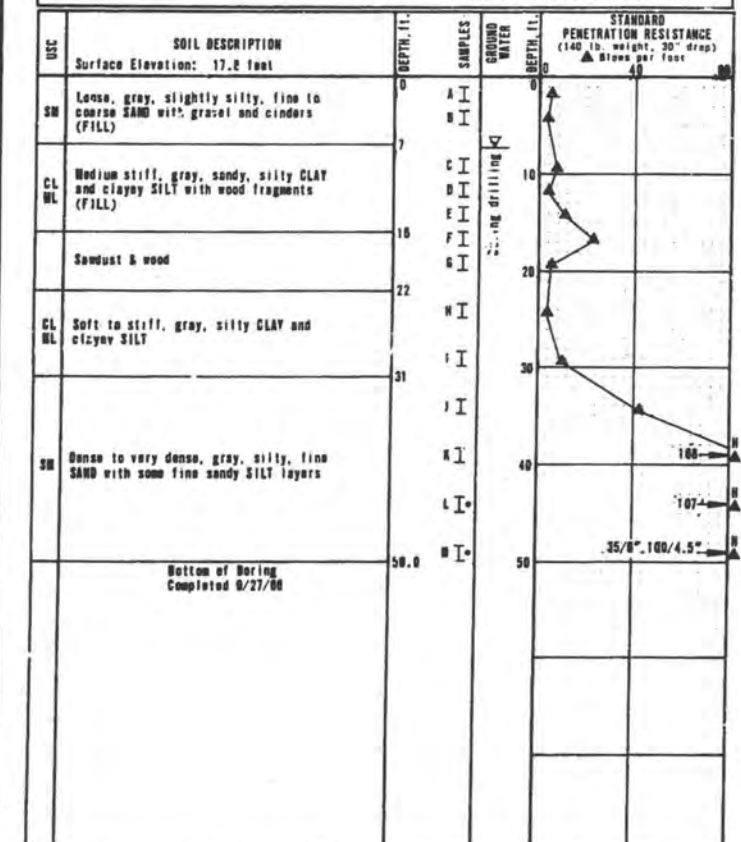
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-1
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

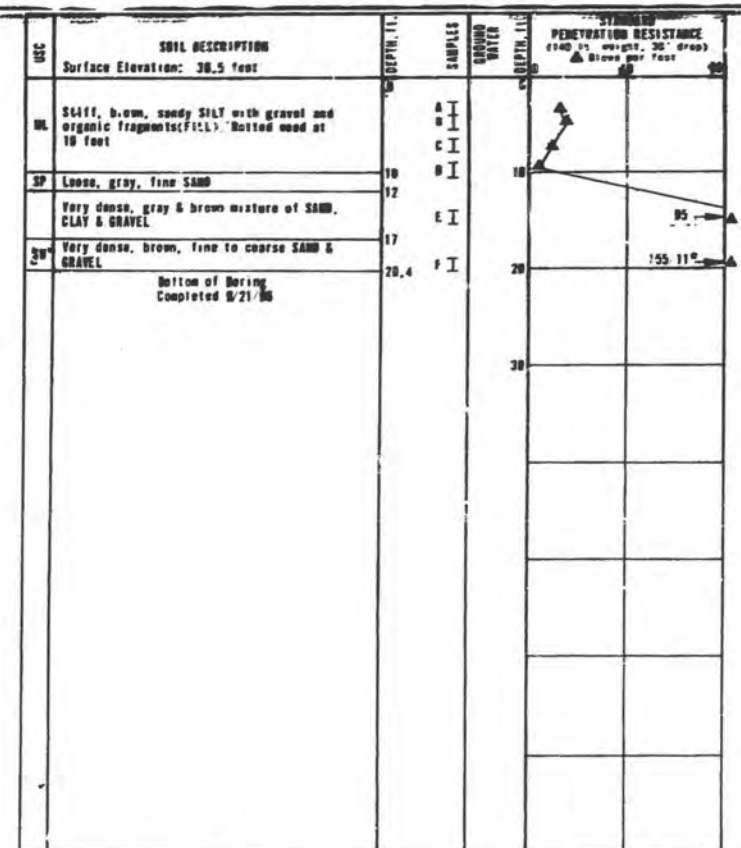
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-5
 FEB. 12, 1971 W-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

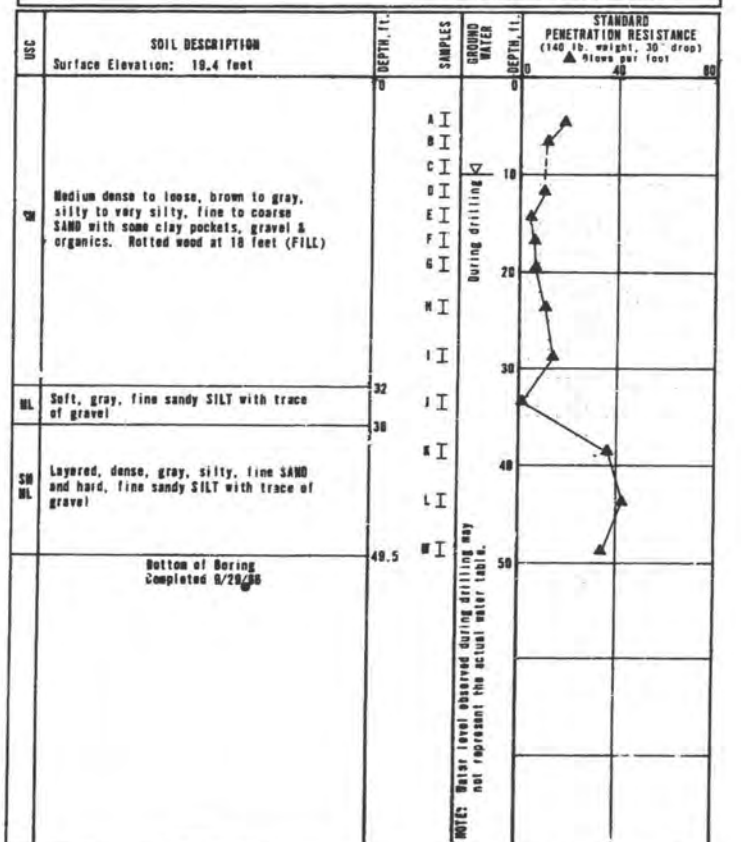
Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-2
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious soil
 Water level
 Piezometer tip
 Sampler pushed

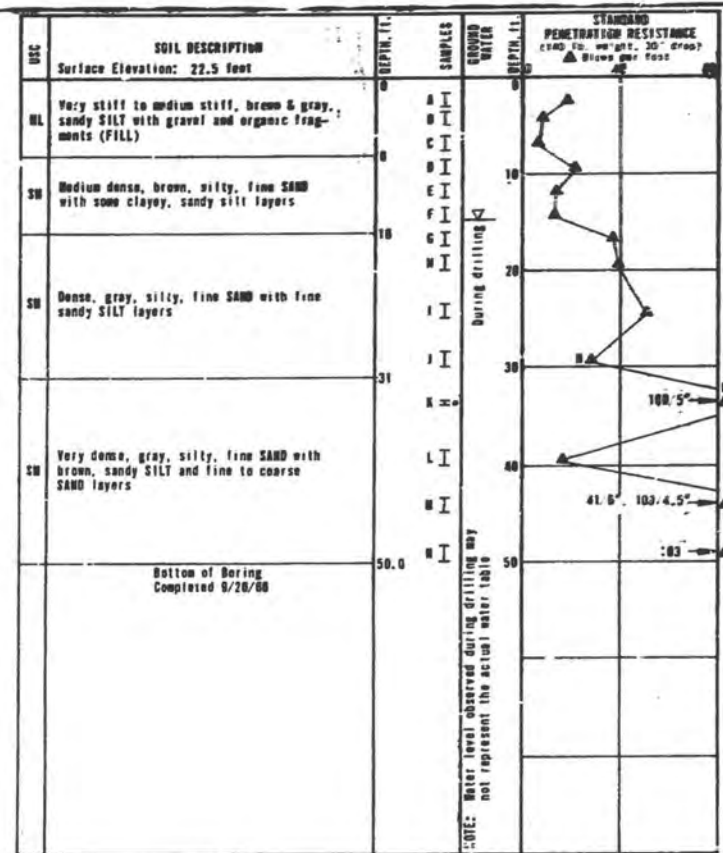
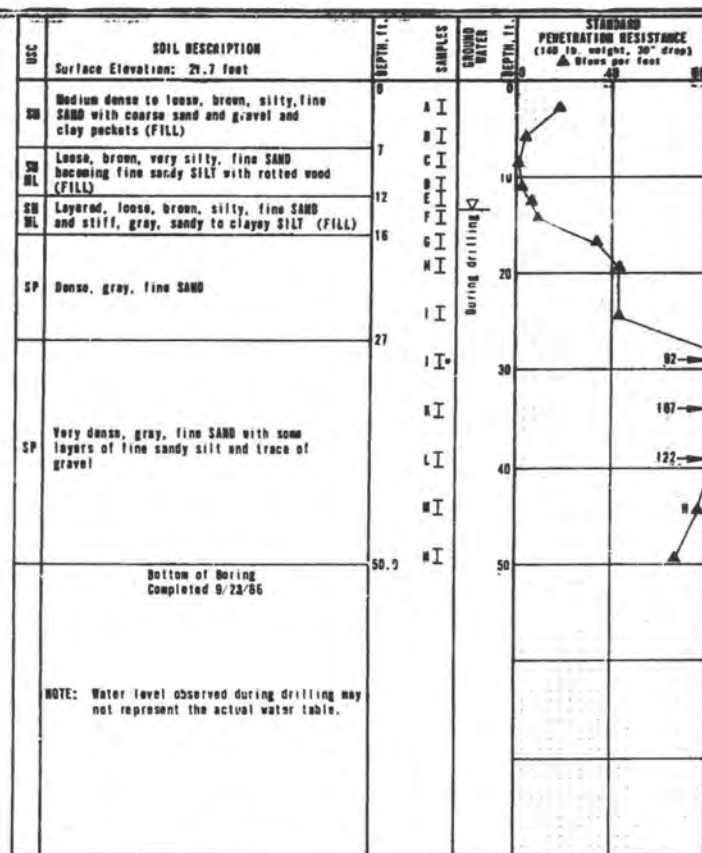
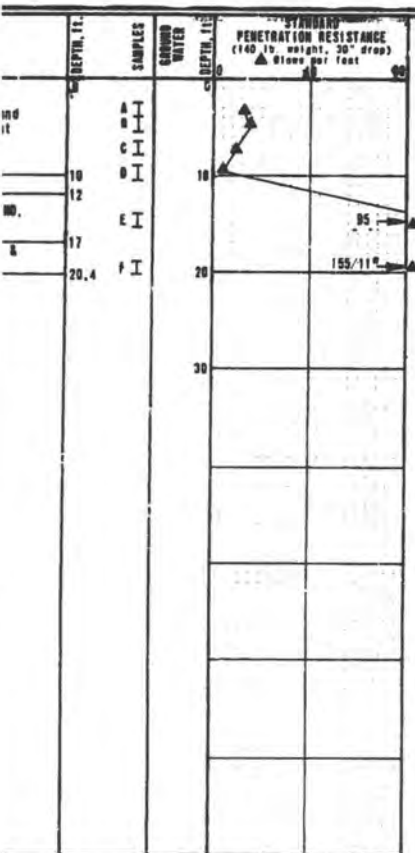
Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-6
 FEB. 12, 1971 W-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

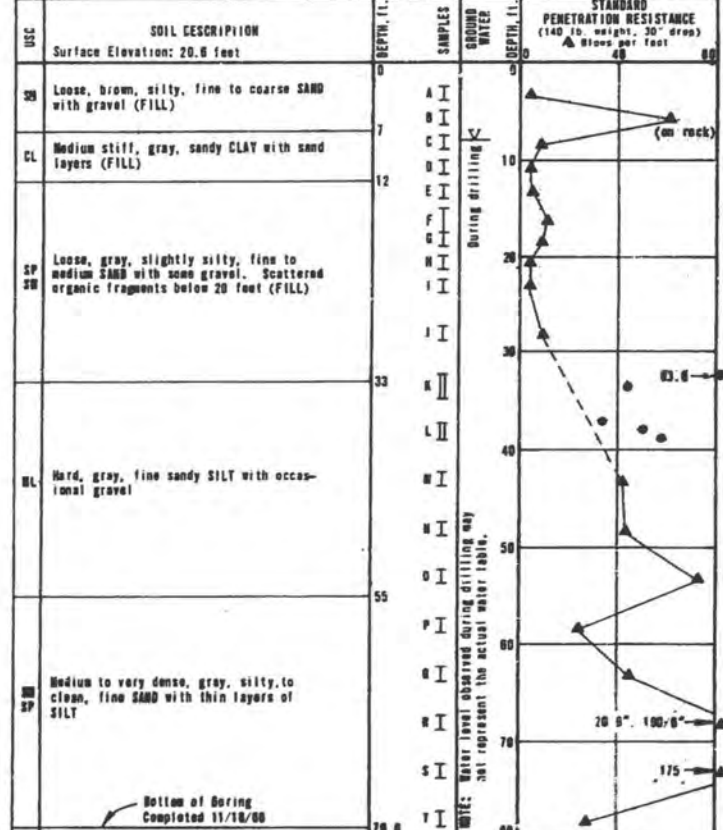
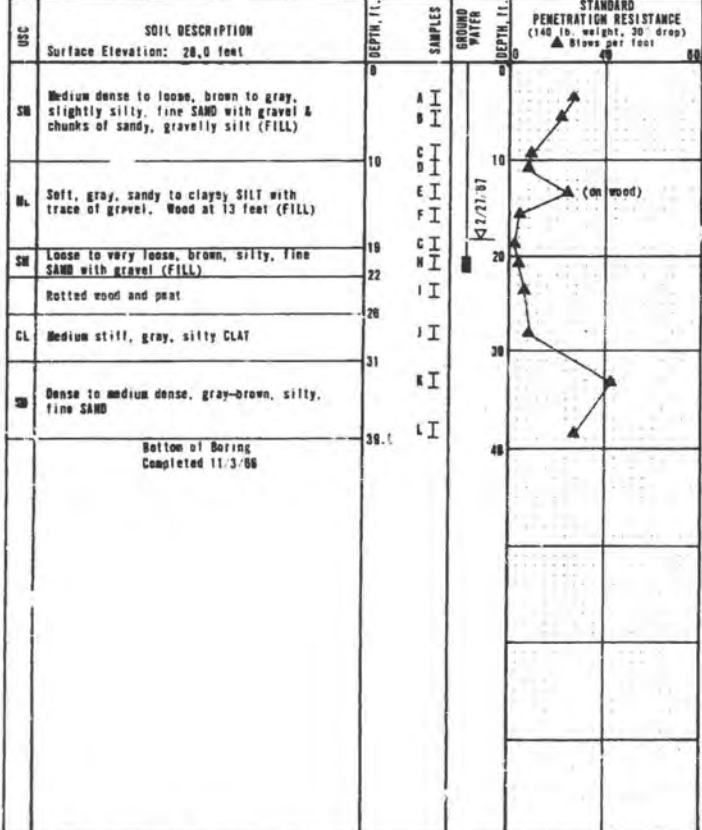
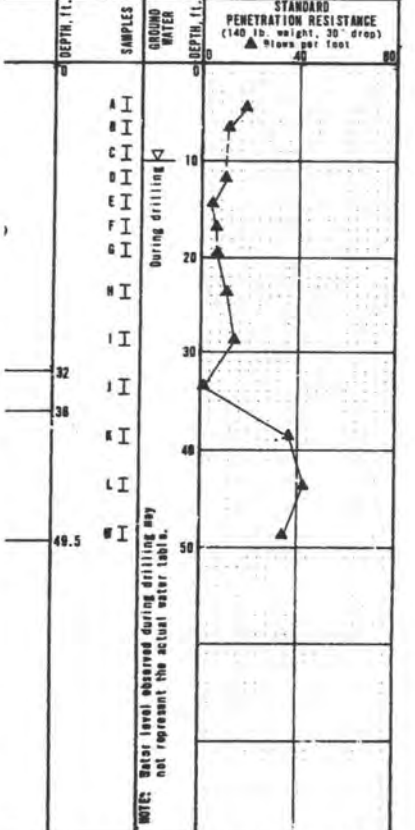
0761



● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-2
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-3
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-4
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



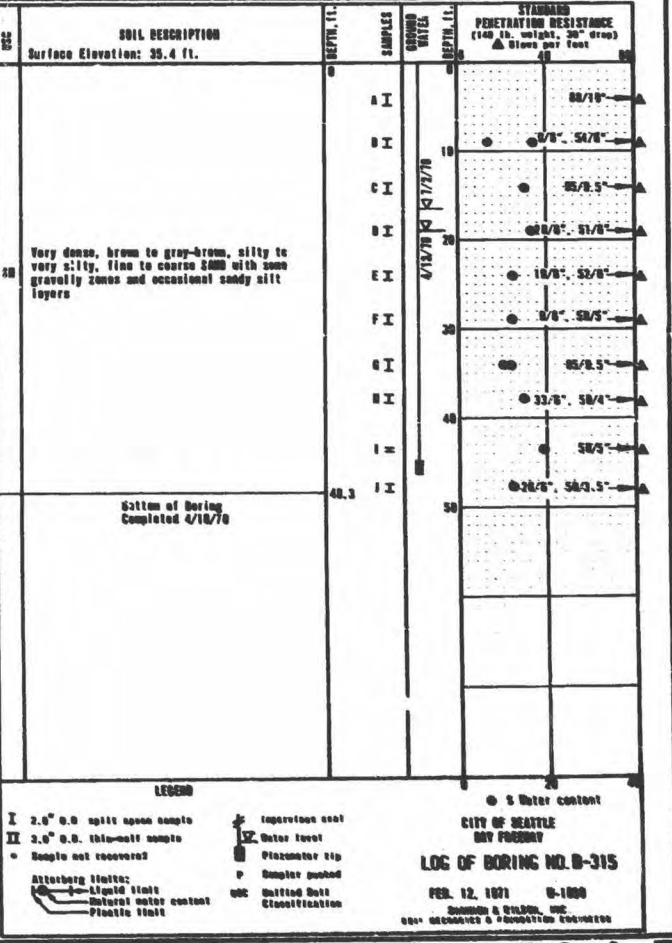
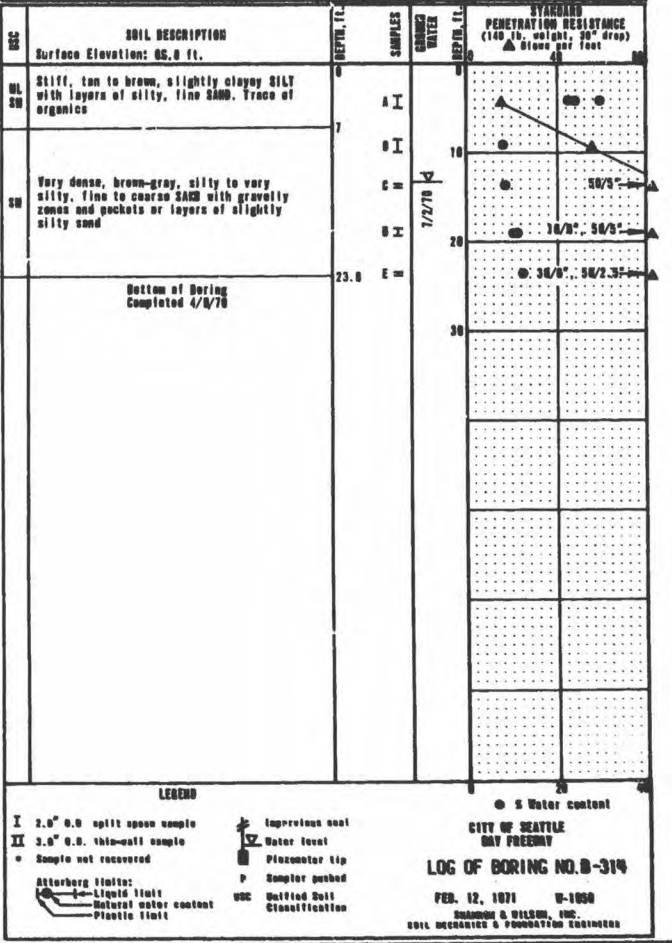
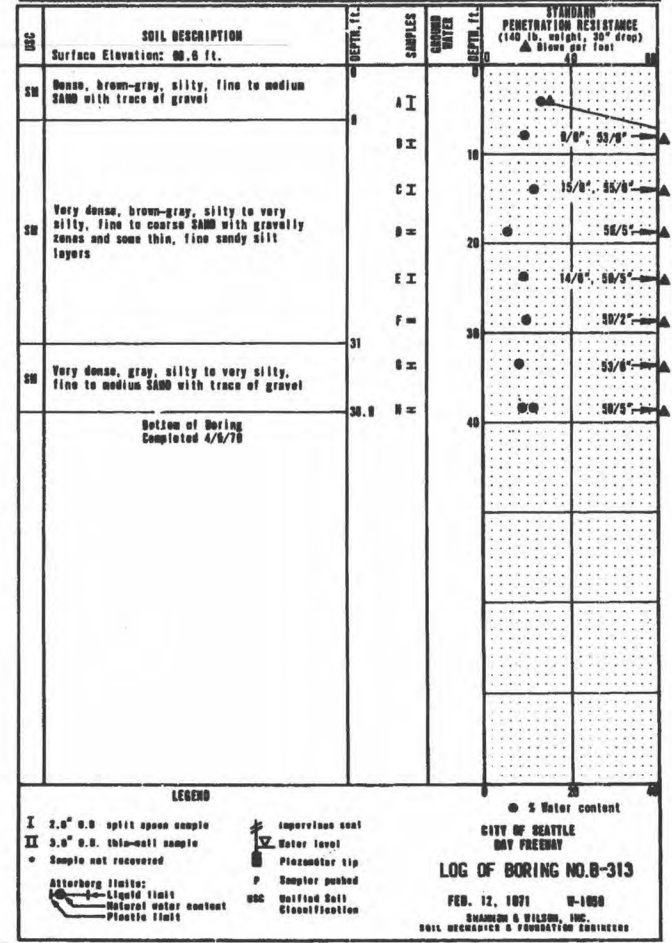
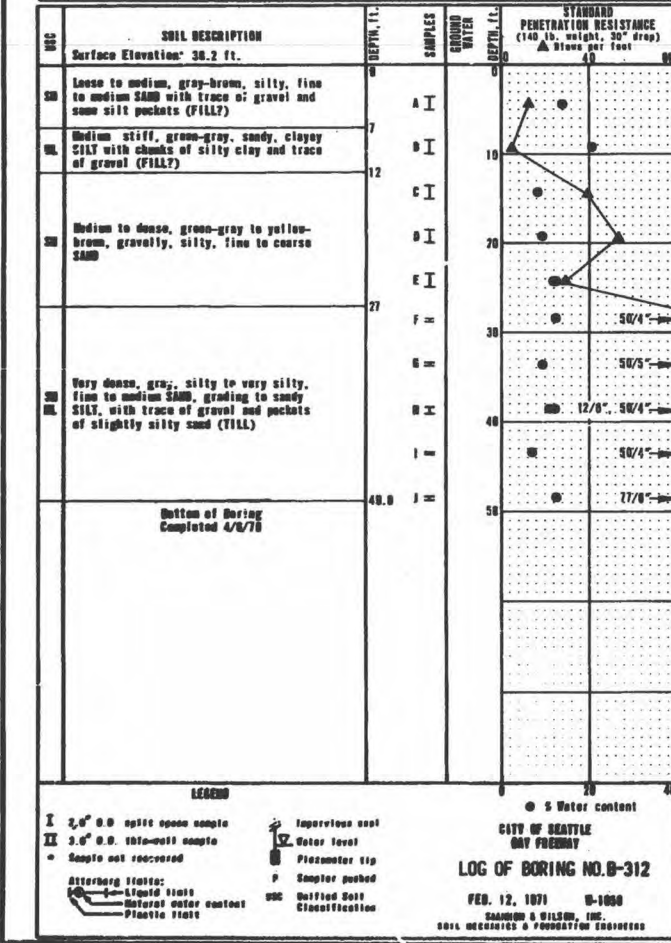
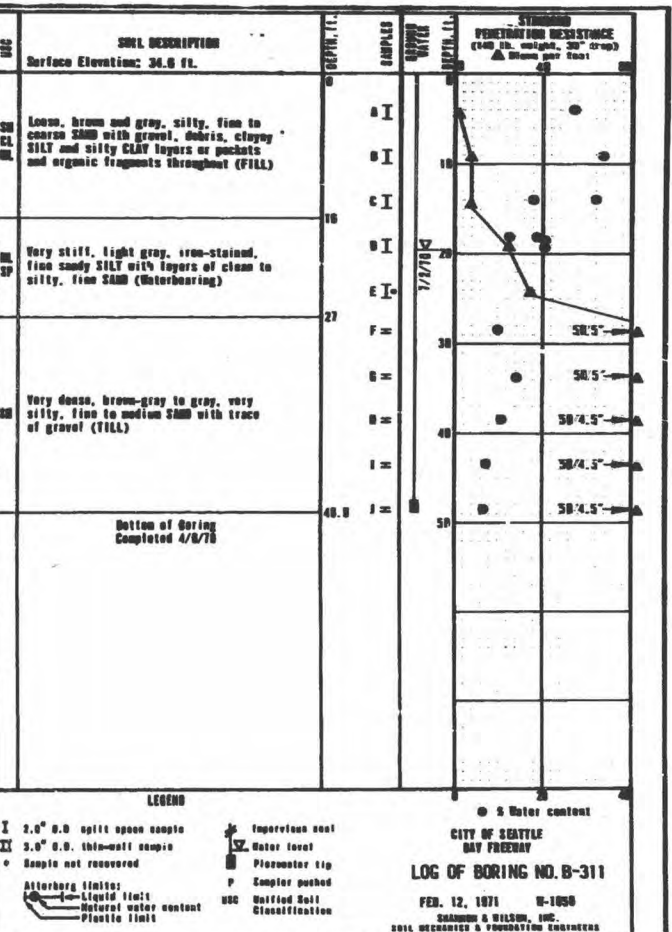
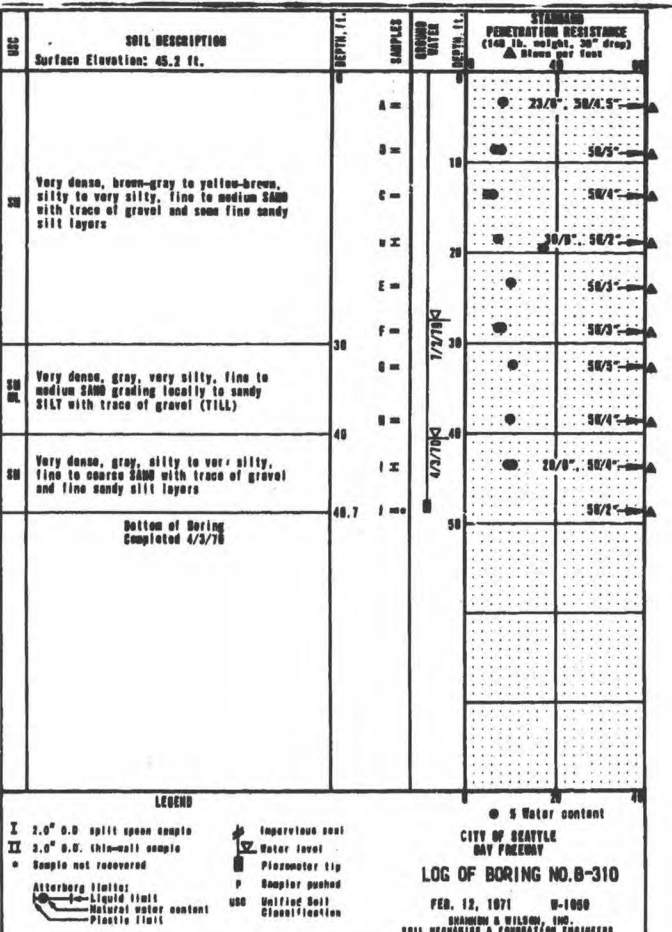
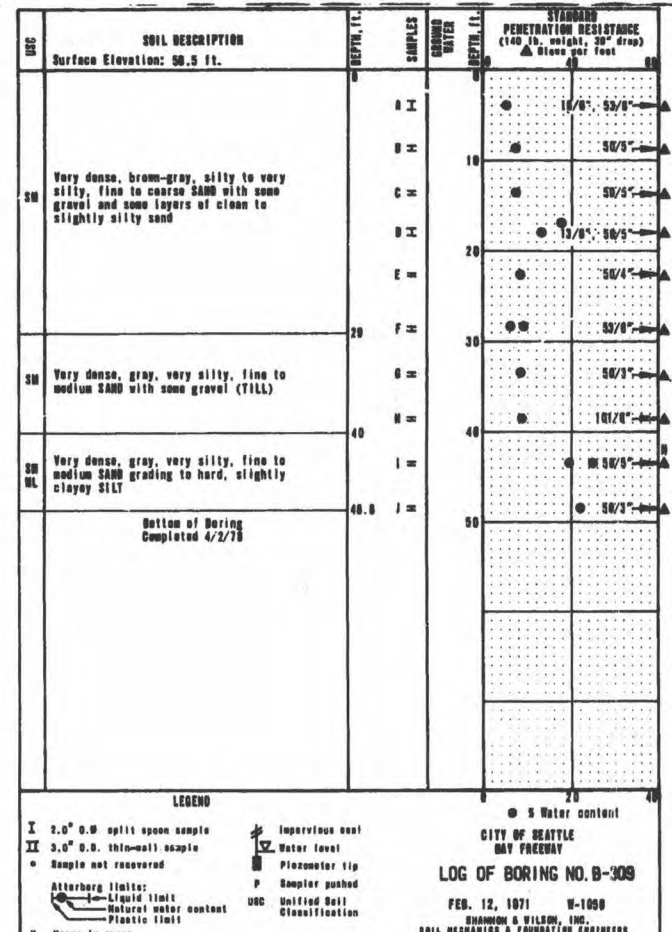
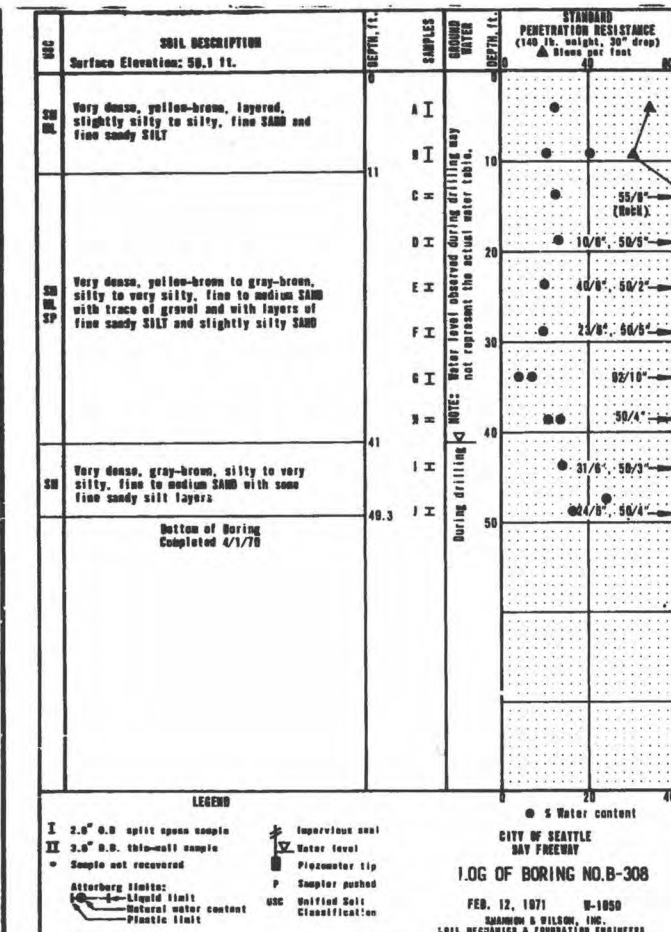
● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-6
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

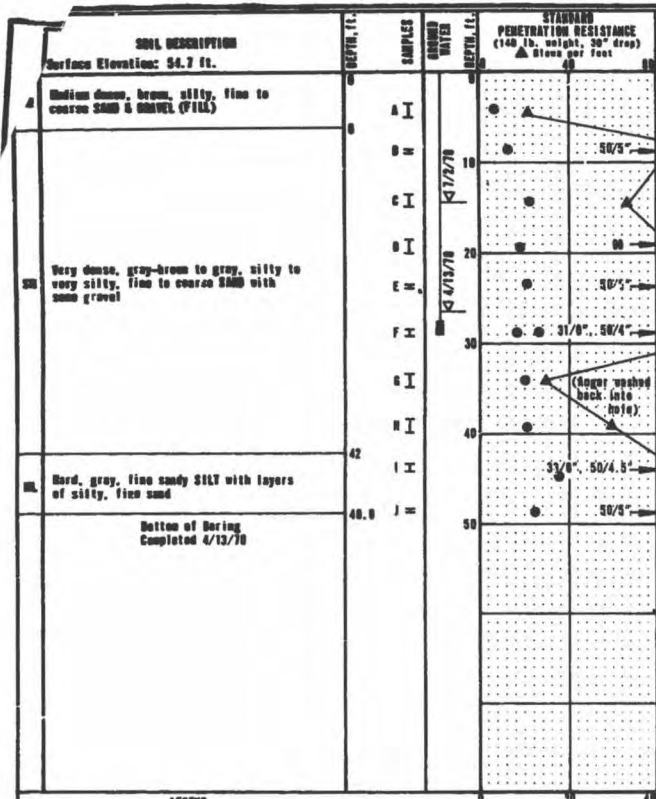
● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-7
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

● % Water content
 CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. TH-8
 FEB. 12, 1971 W-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

07611 FIG. A-1

07611

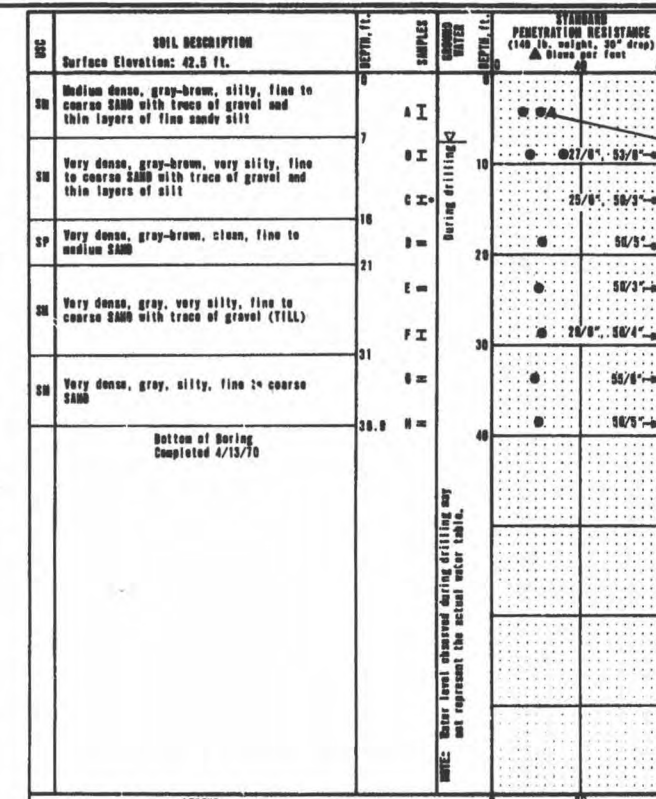




LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

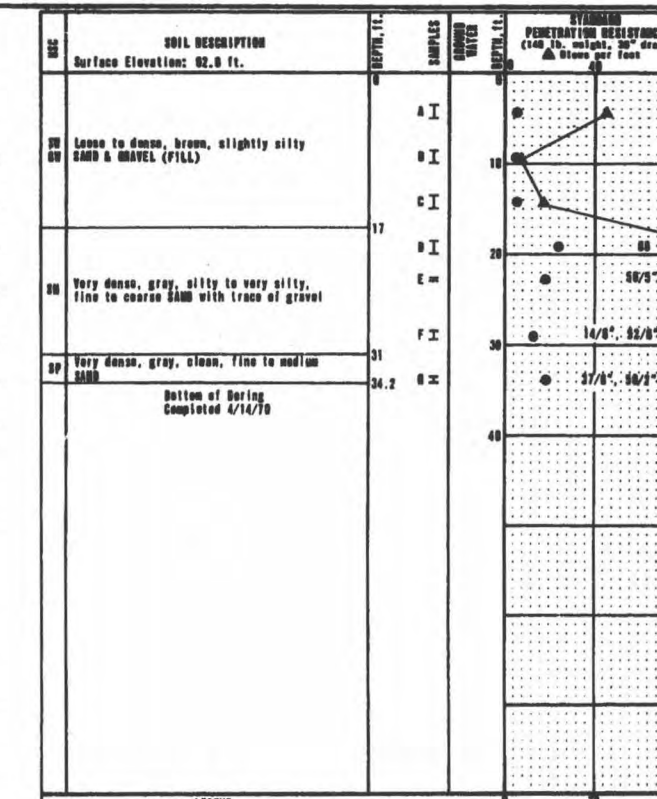
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-316
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

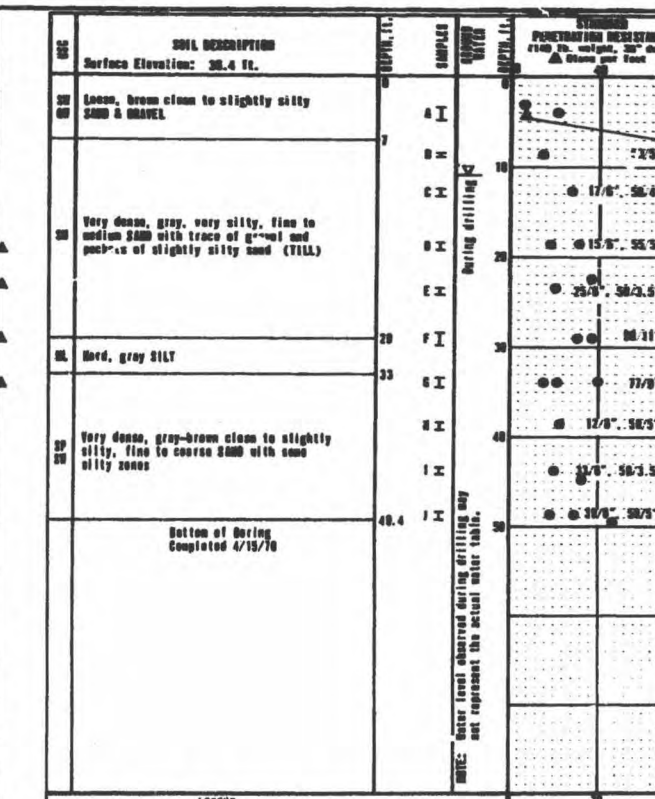
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-317
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

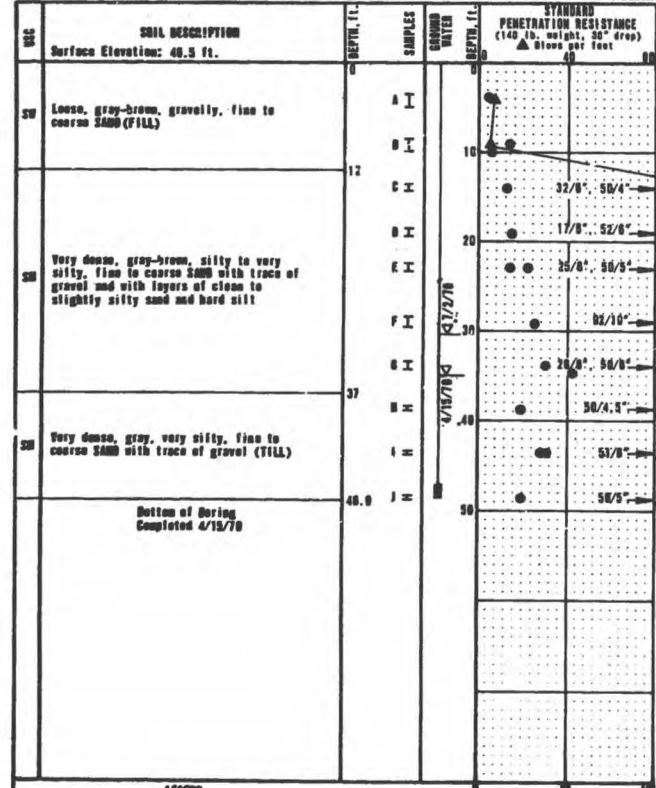
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-318
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

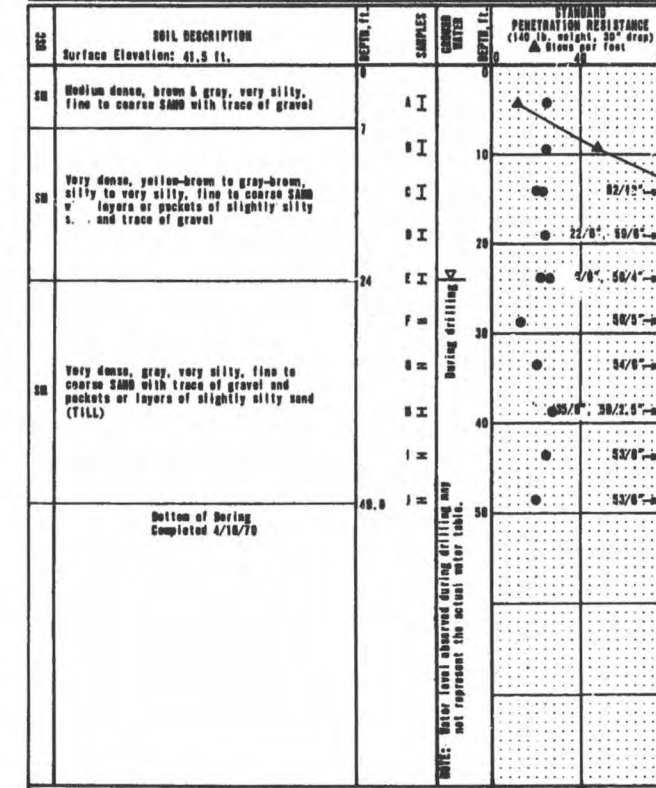
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-319
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

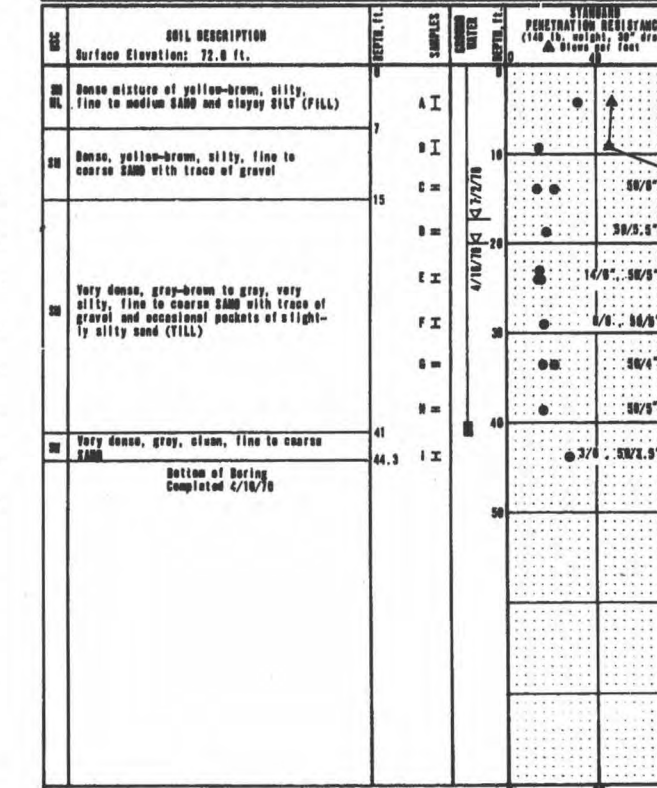
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-320
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

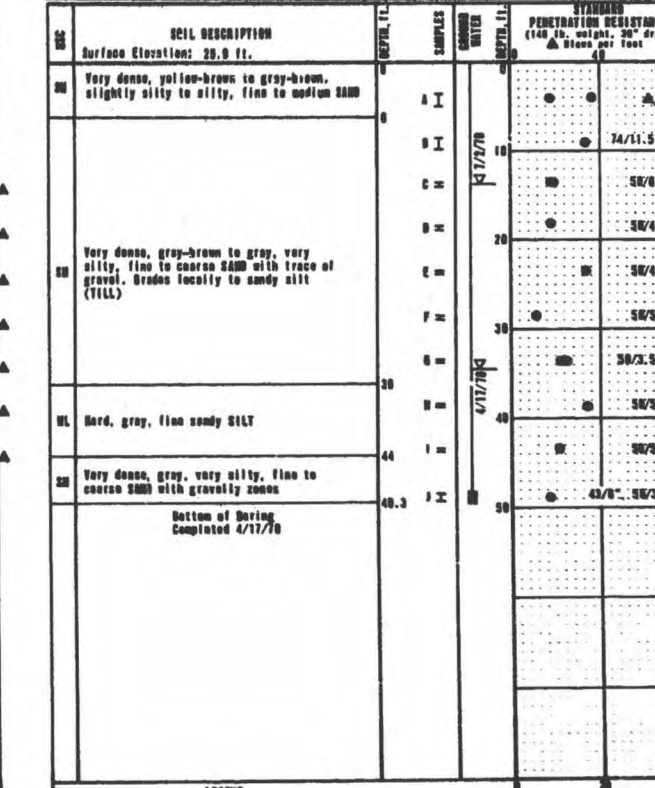
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-321
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

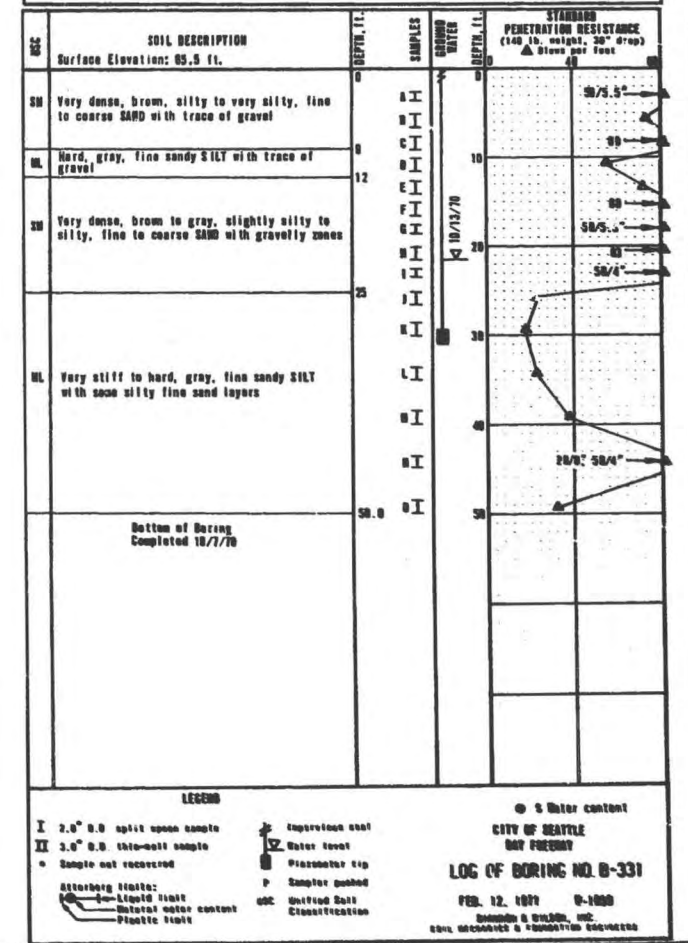
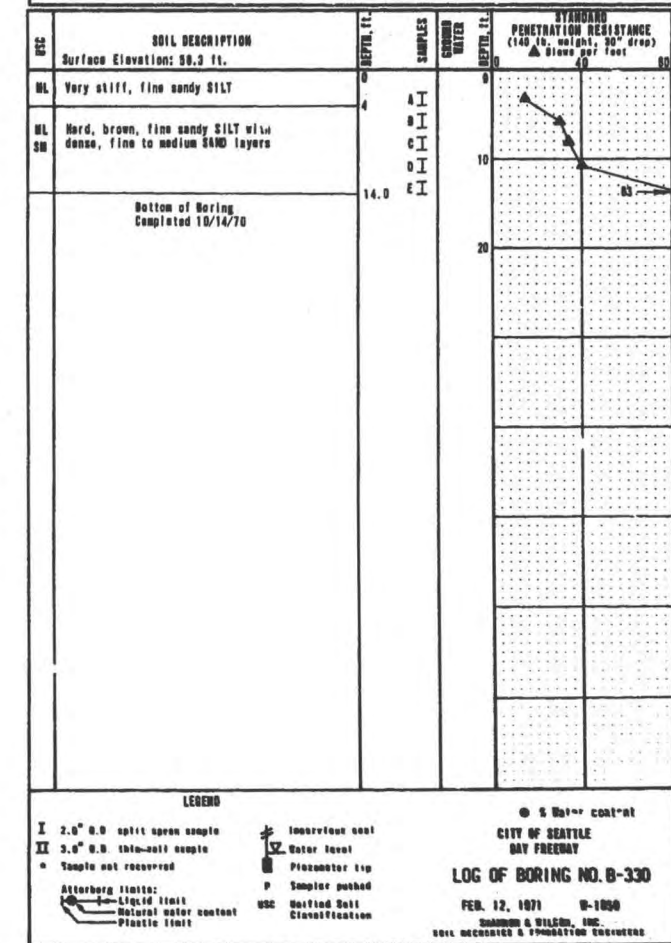
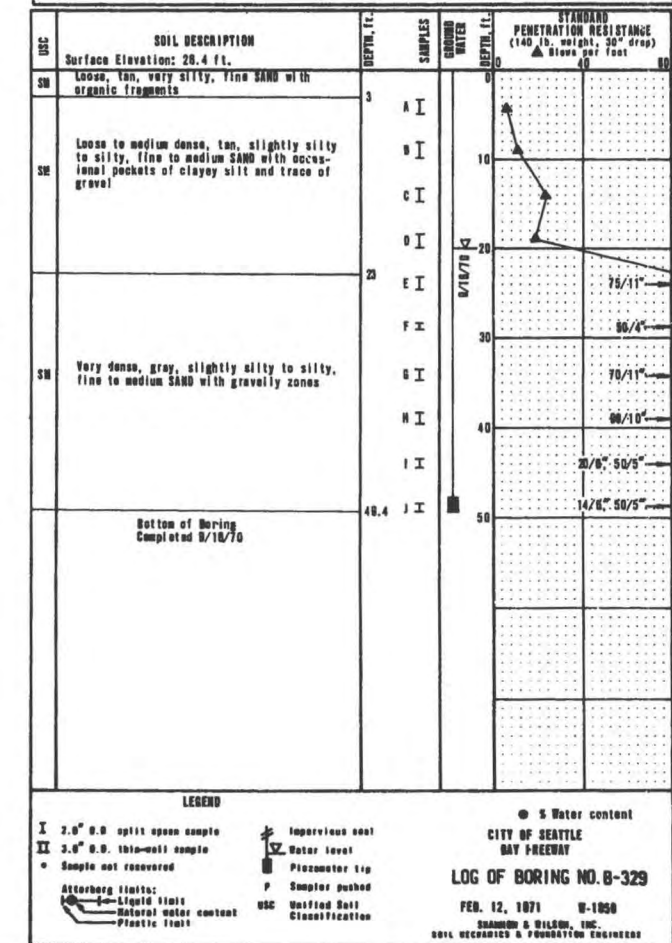
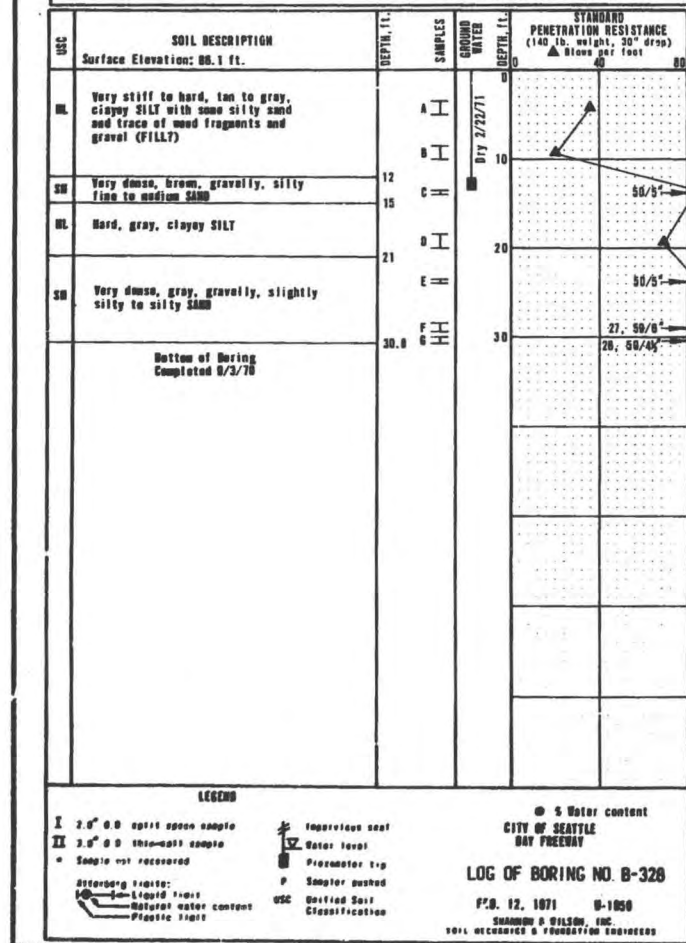
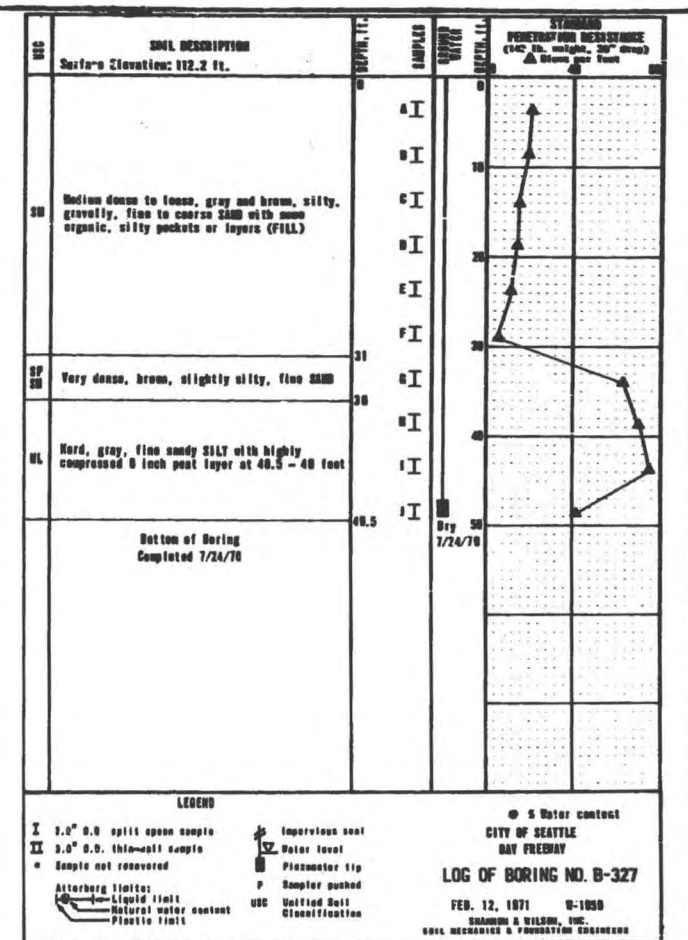
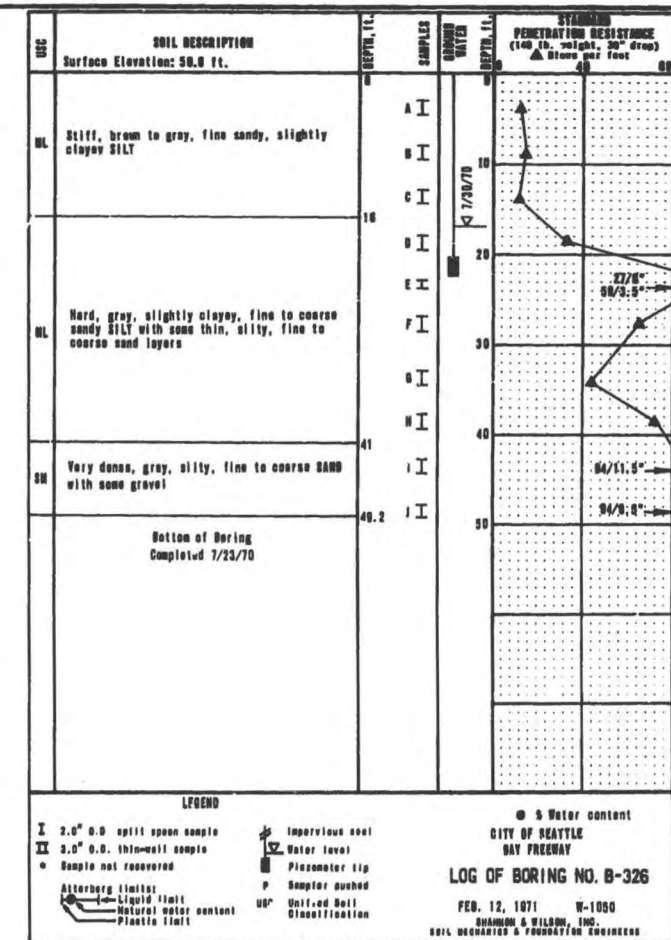
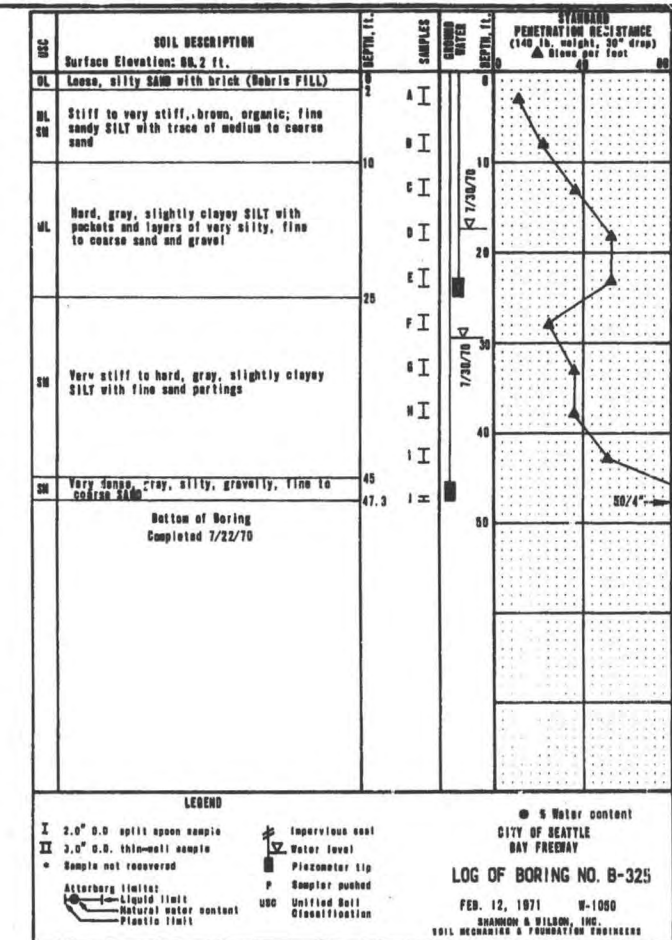
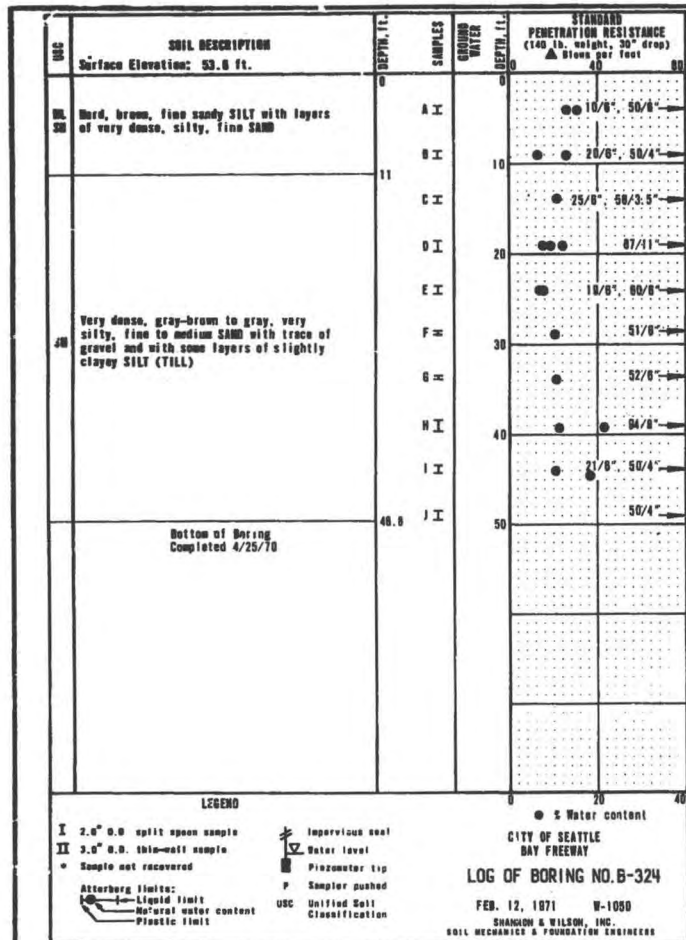
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-322
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS

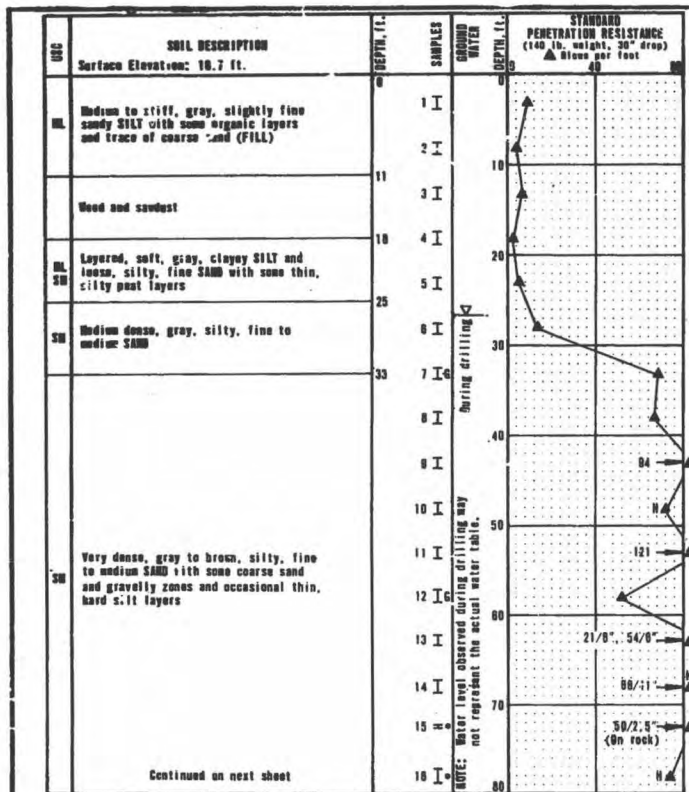


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Sampler pushed
- Unified Soil Classification
- Water content
- Plastic limit

CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-323
 FEB. 12, 1971 U-1000
 SHANNON & WILSON, INC. SOIL MECHANICS & FOUNDATION ENGINEERS



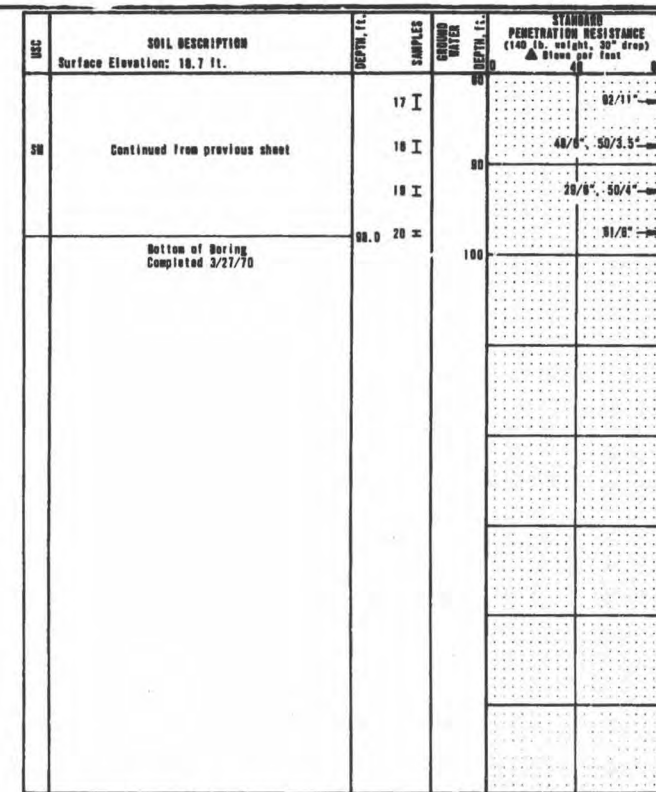


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-401
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

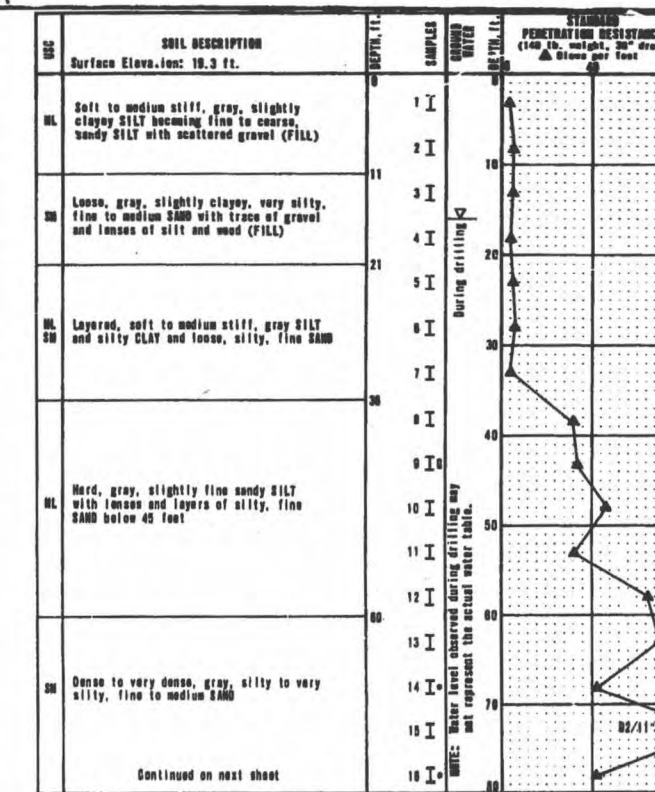


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-401
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

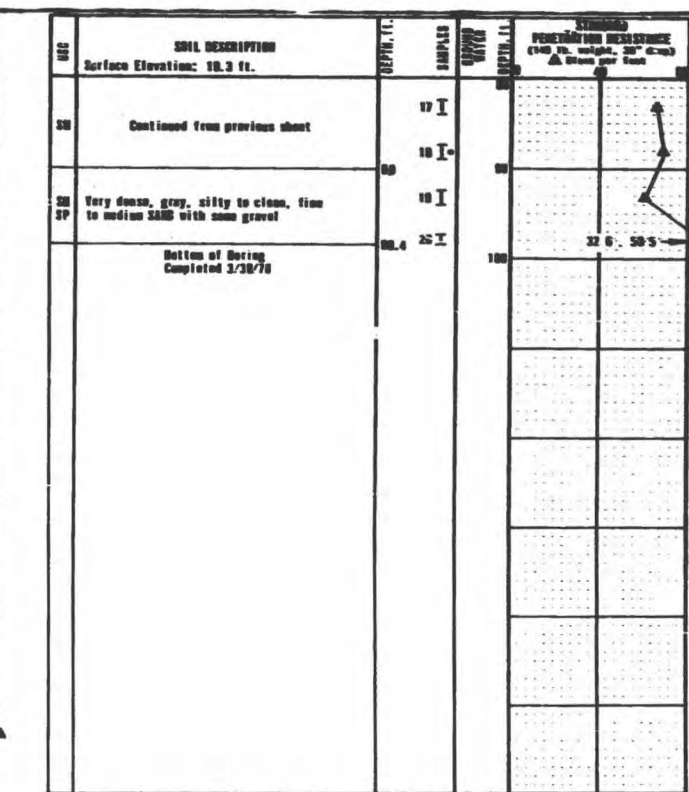


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-402
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

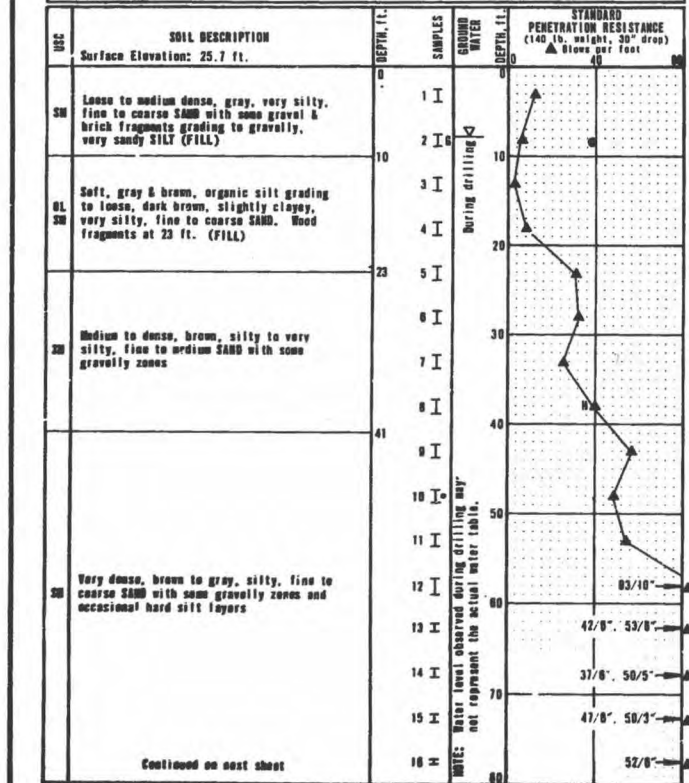


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-402
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

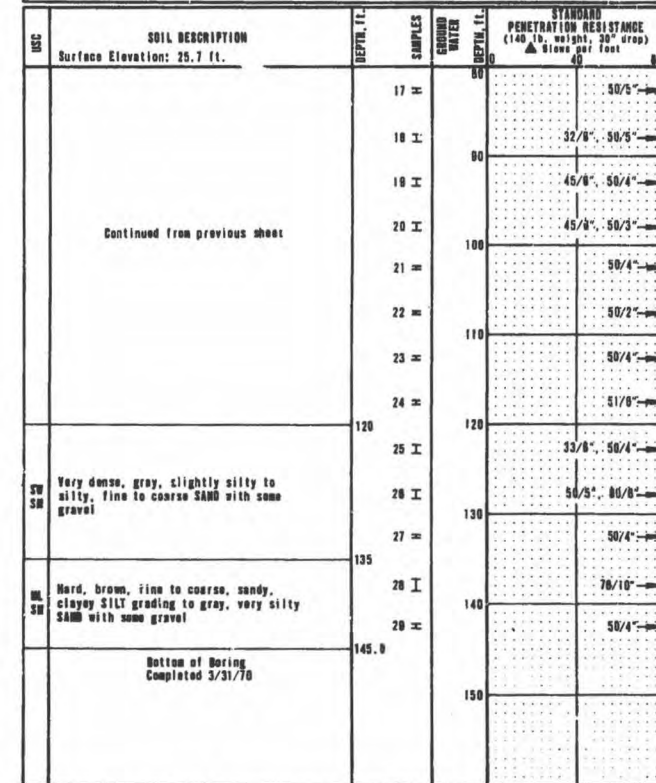


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-403
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

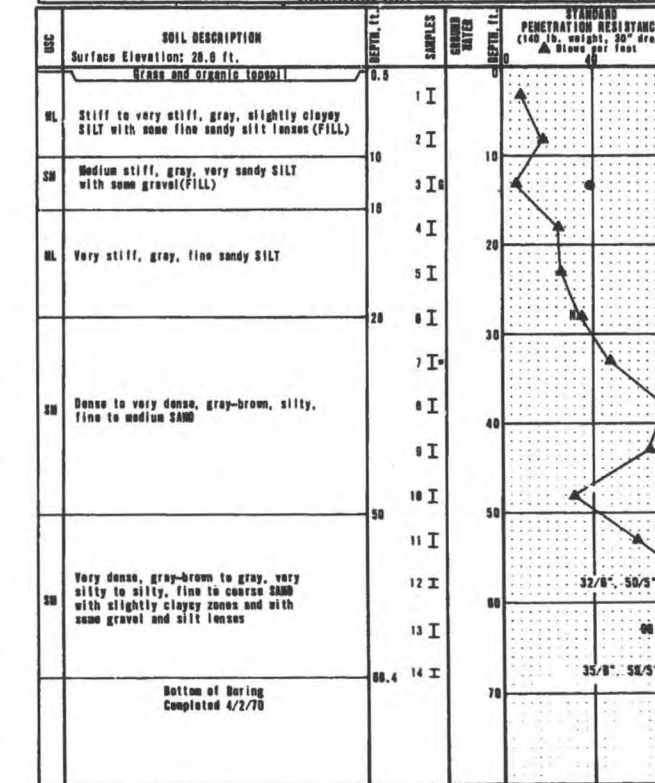


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-403
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

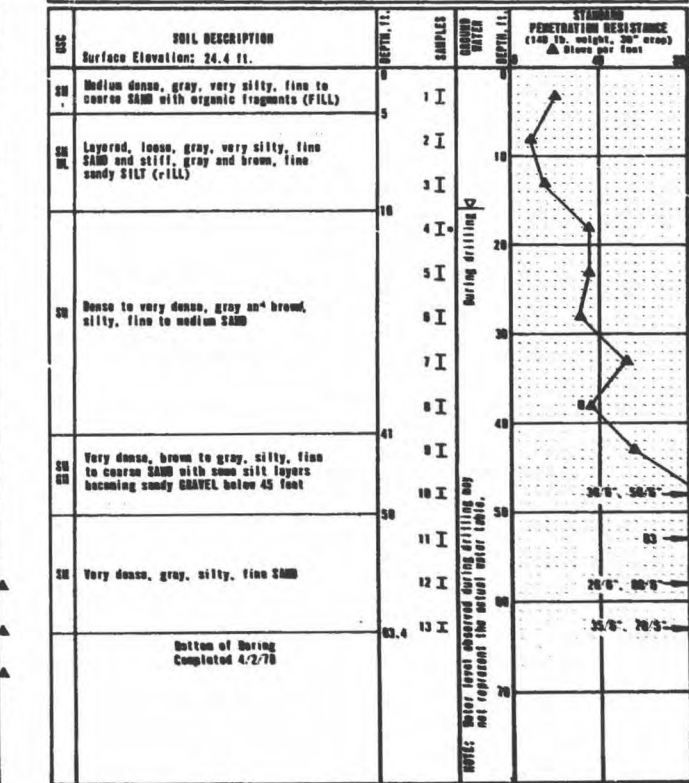


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-404
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

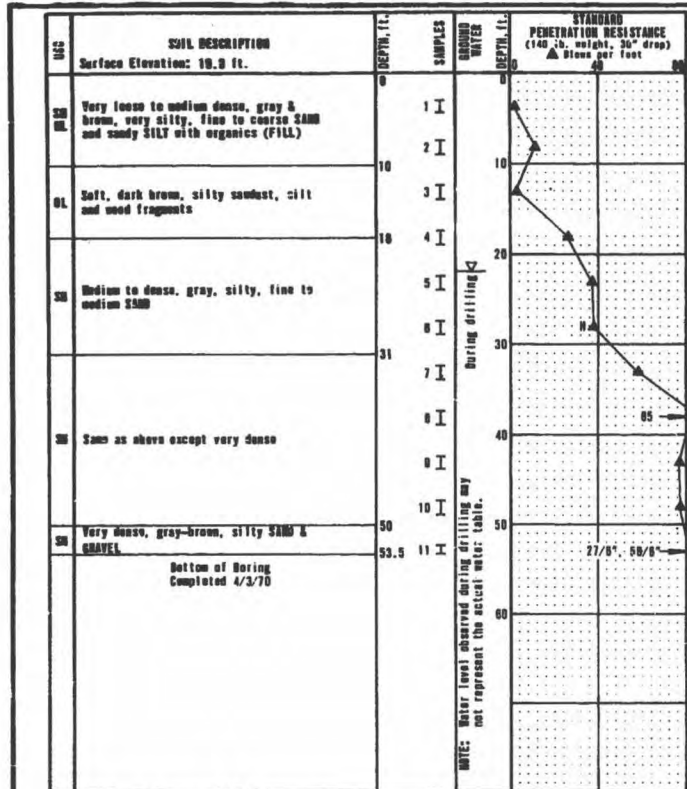


LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit
- USC Unified Soil Classification
- See grain size classification sheet

● % Water content
 ⊕ Water level
 ⊕ Piezometer tip
 ⊕ Sampler pushed

CITY OF SEATTLE DAY FREEWAY
LOG OF BORING NO. B-405
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

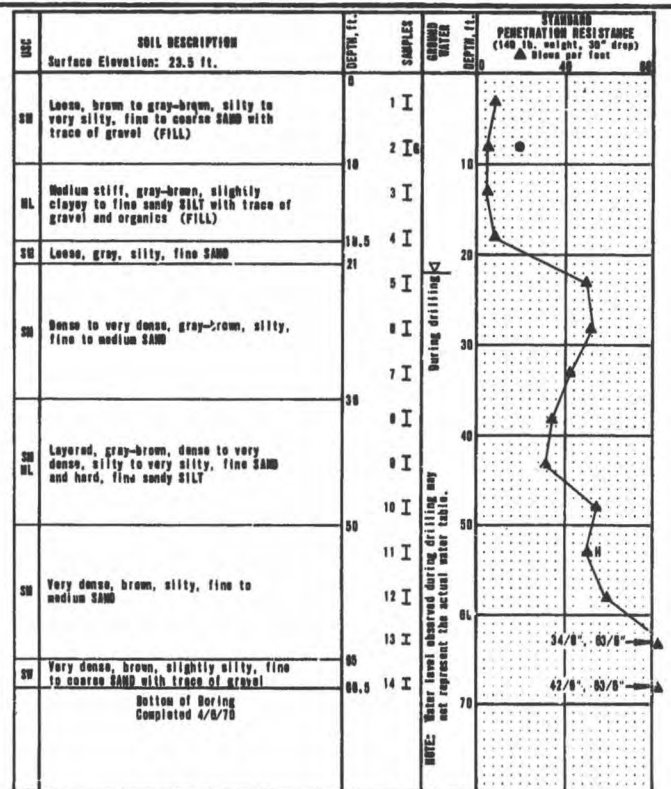
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-406
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

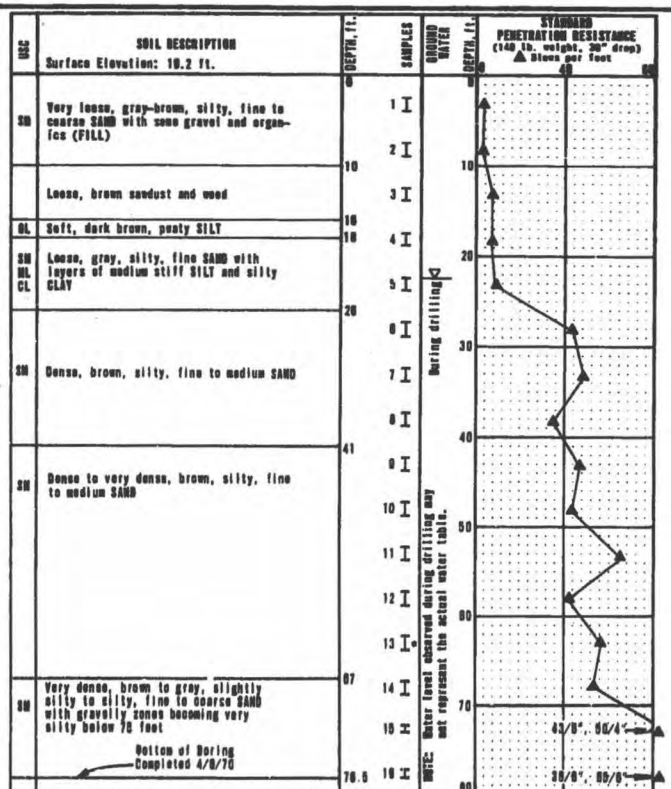
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-407
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

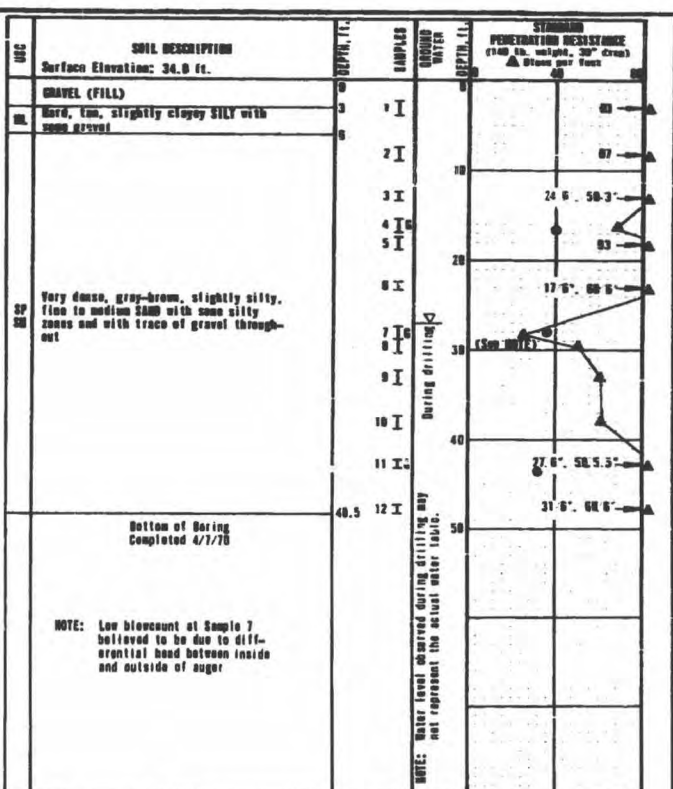
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-408
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

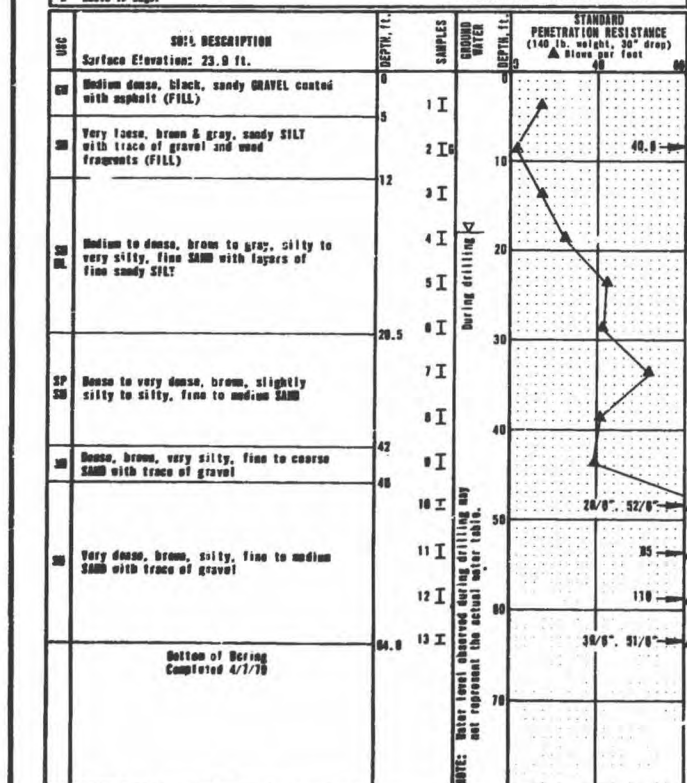
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-409
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

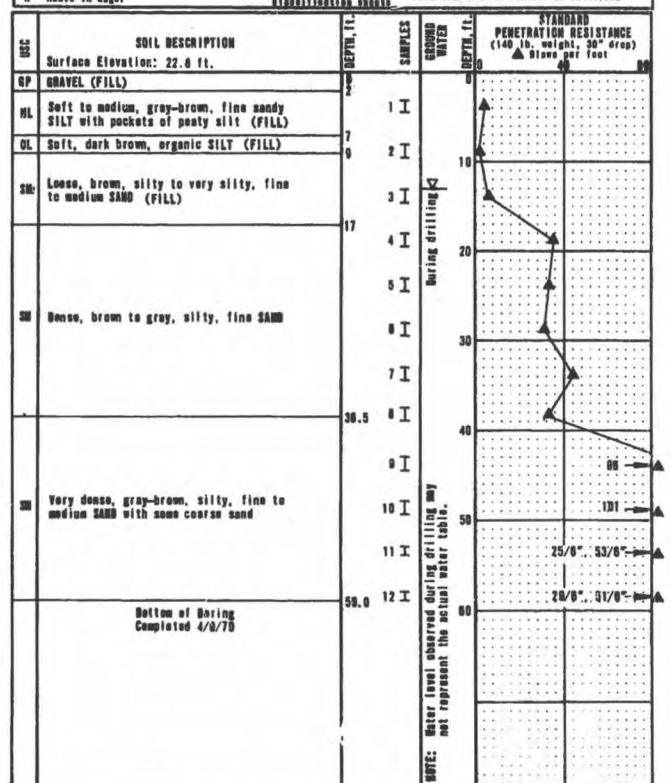
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-410
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

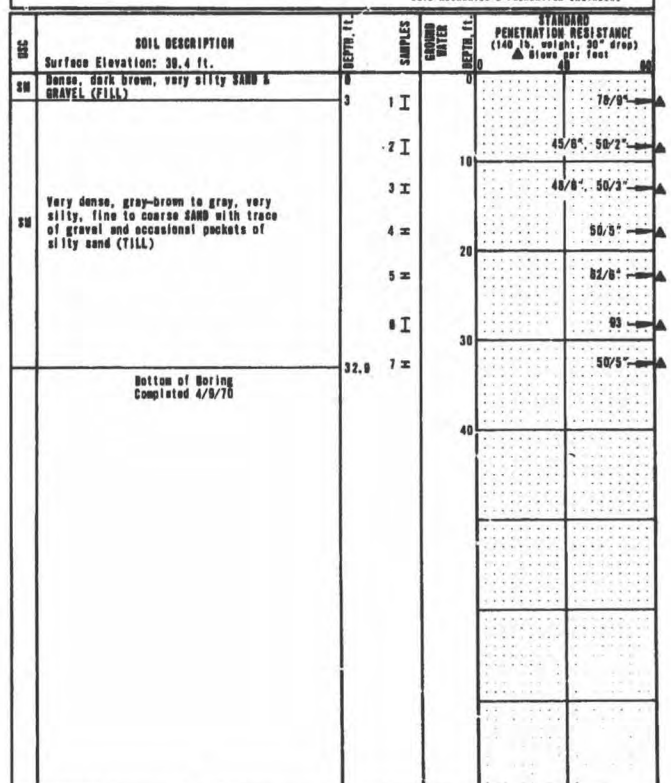
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-411
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

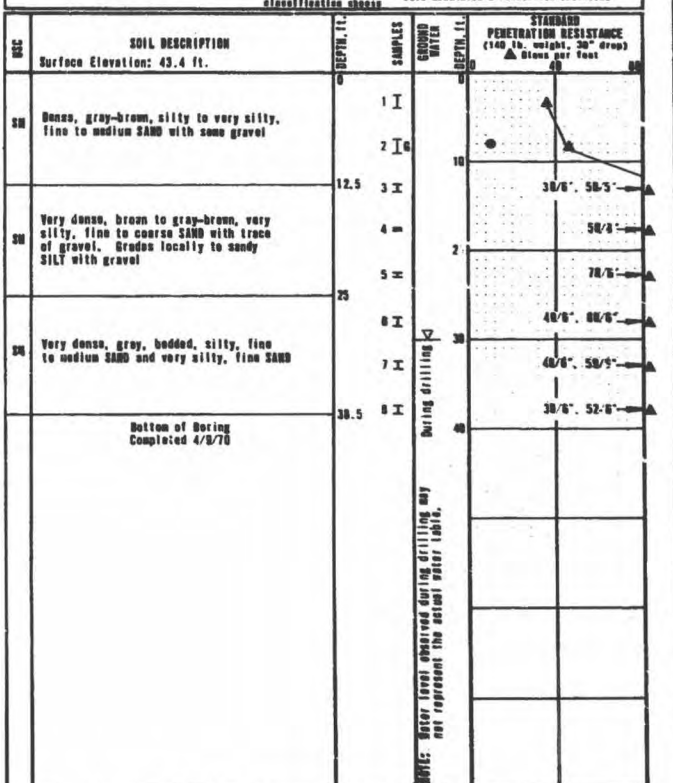
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-412
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

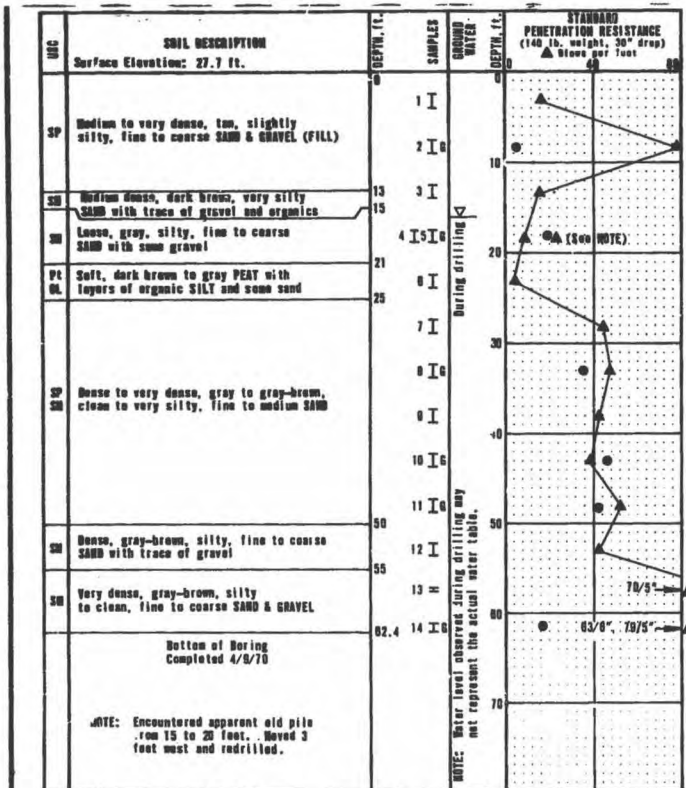
I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Atterberg limits:
 Liquid limit
 Plastic limit
 Natural water content
 Shrinkage

Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Unified Soil Classification
 See grade also

Water content

CITY OF SEATTLE
 DAY FREEMAN
 LOG OF BORING NO. B-413
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

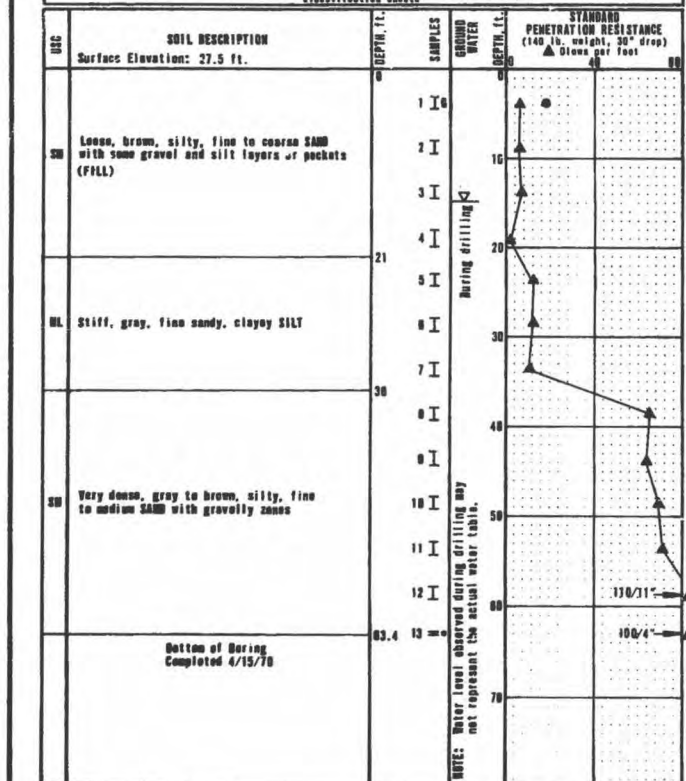


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-414
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

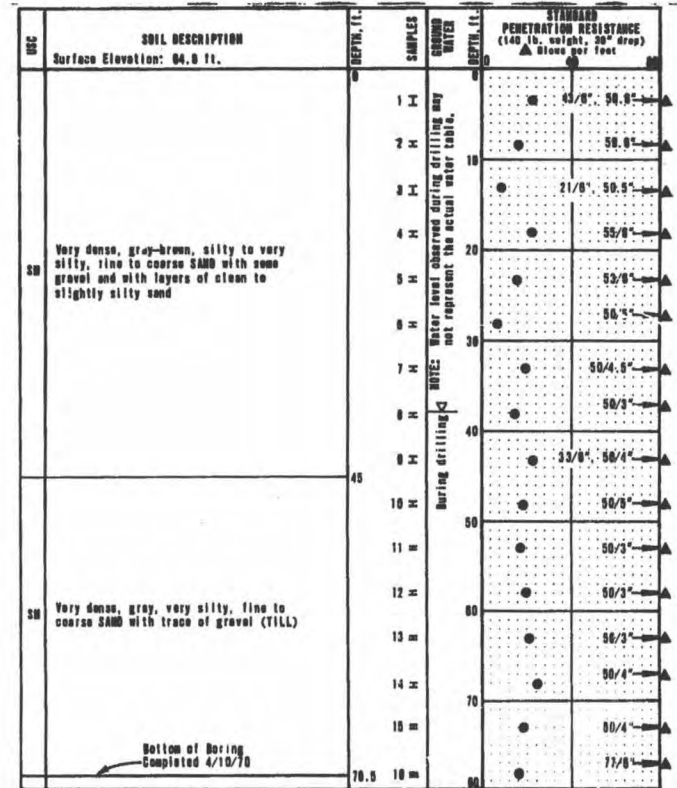


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-418
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

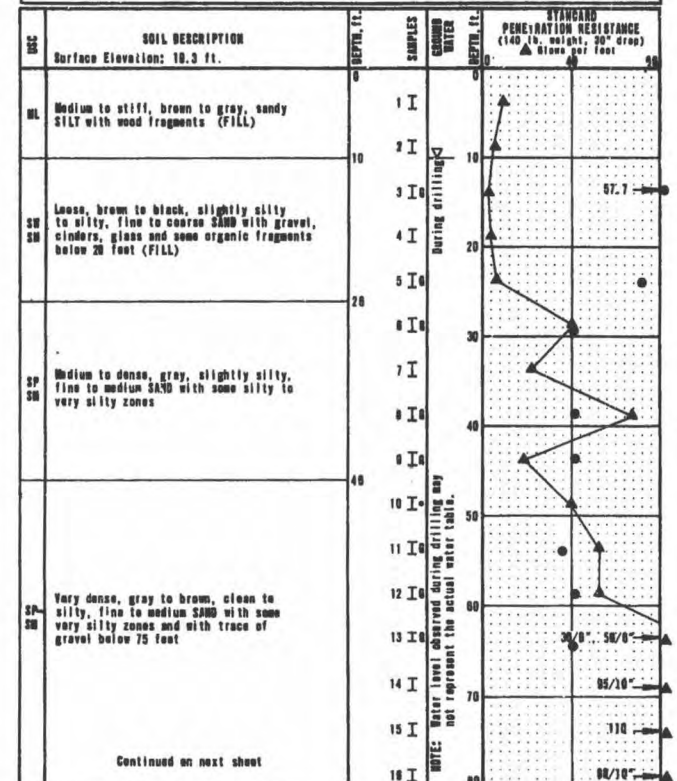


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-415
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

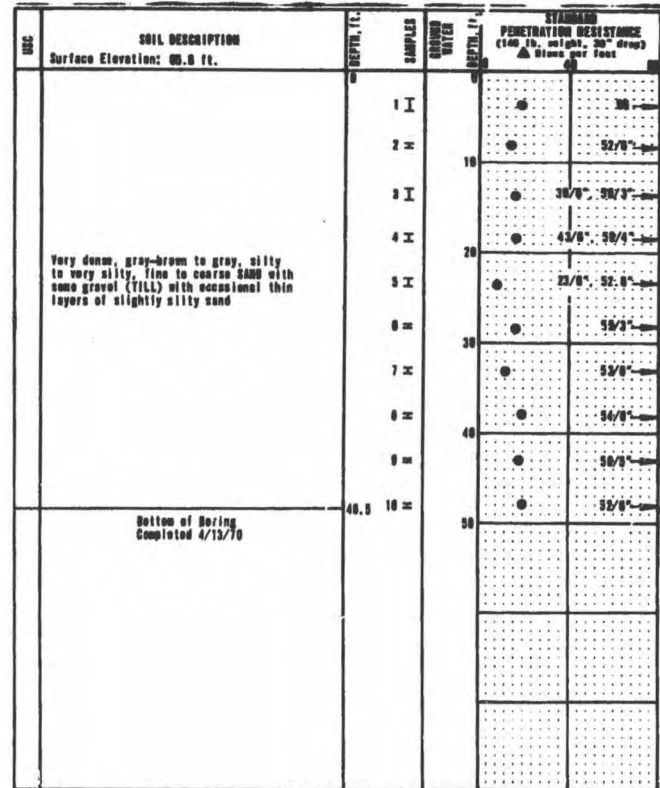


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-419
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

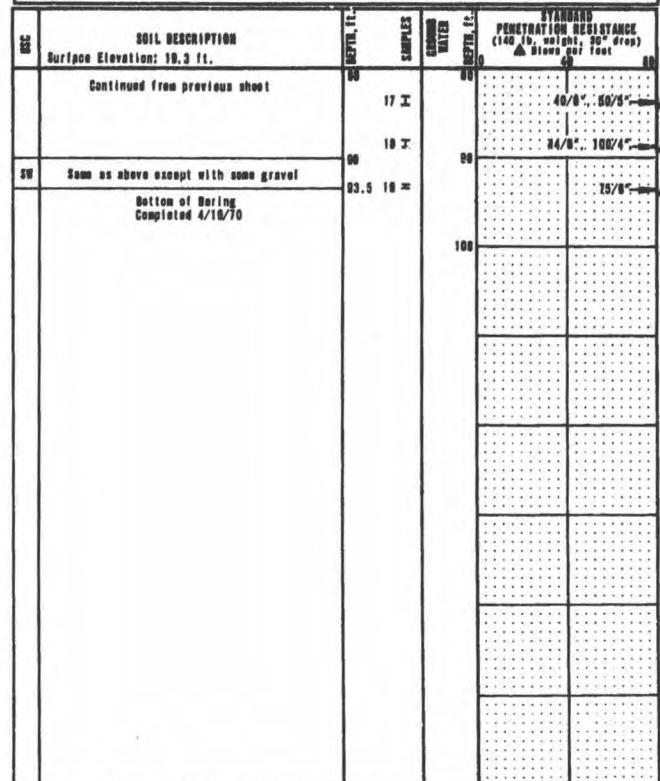


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-416
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

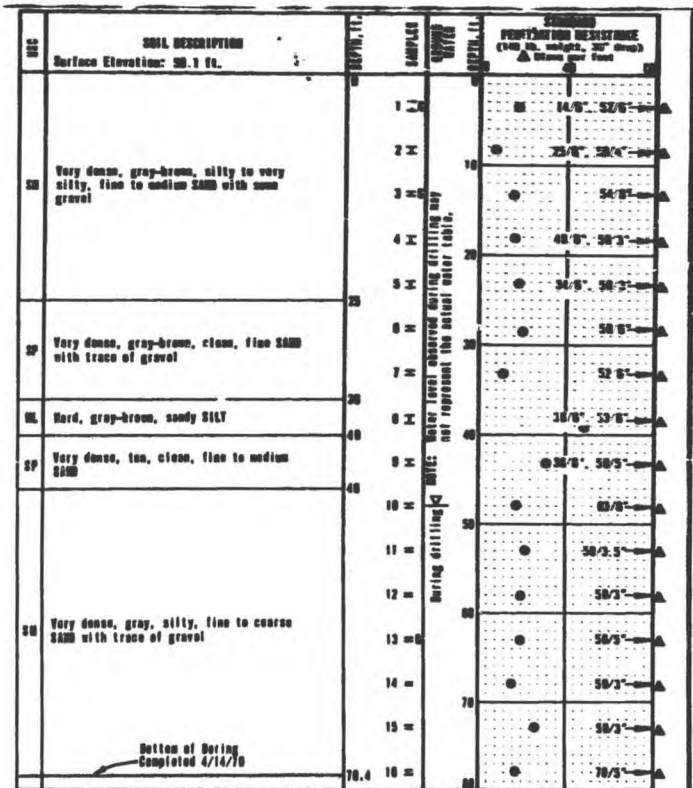


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-417
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

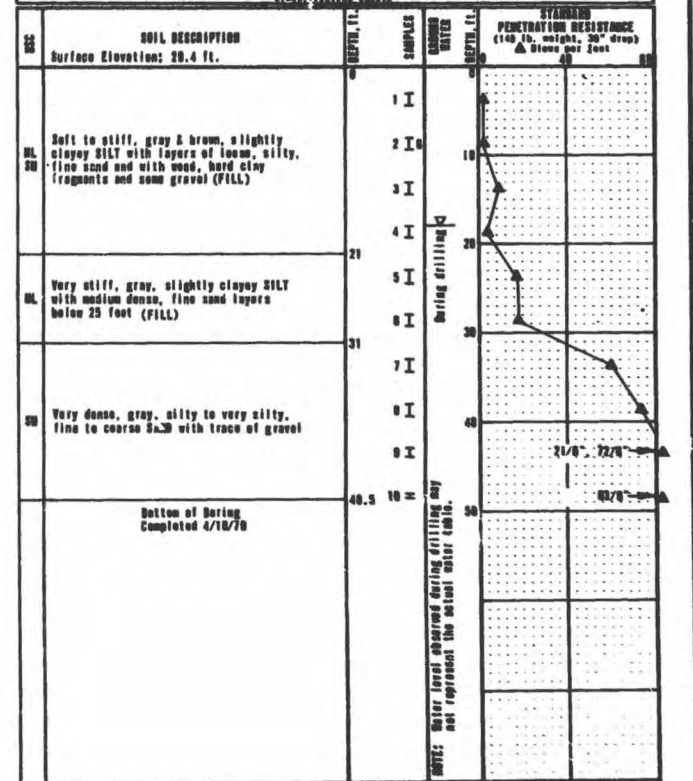


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-417
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

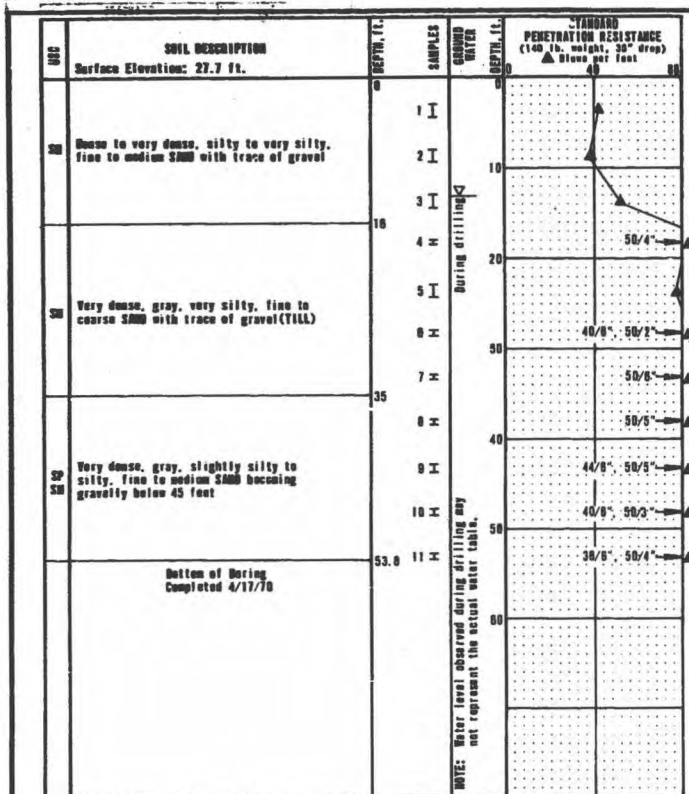


LEGEND

I 2.0" O.D. split spoon sample
II 3.0" O.D. thin-wall sample
● Sample not recovered
Atterberg limits: Liquid limit, Plastic limit, Natural water content, See grain size classification sheets

Impervious seal
Water level
Piezometer tip
Sampler pushed
Unified Soil Classification
See grain size classification sheets

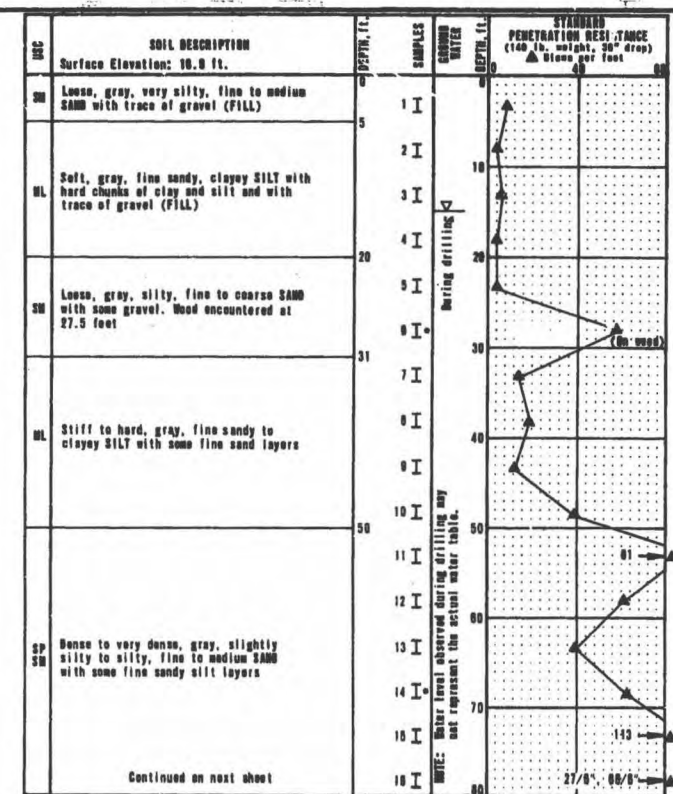
CITY OF SEATTLE DAY FREEMAN
LOG OF BORING NO. B-420
FEB. 12, 1971 U-1050
SHAMON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

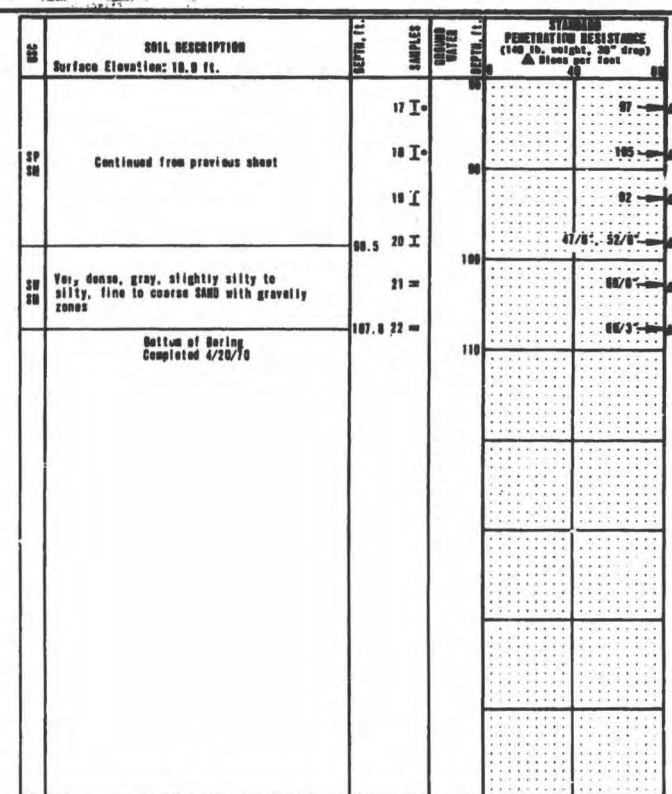
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-421
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

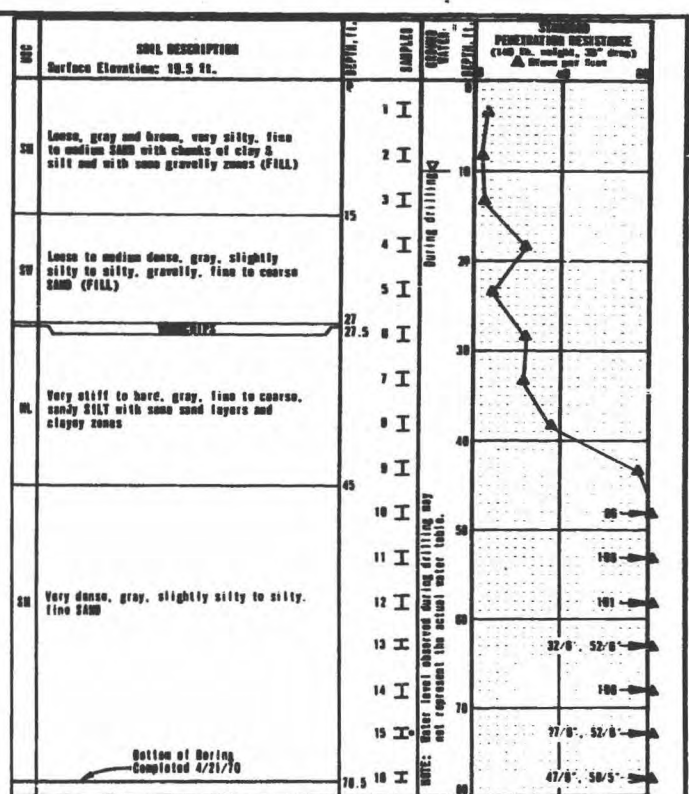
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-422
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

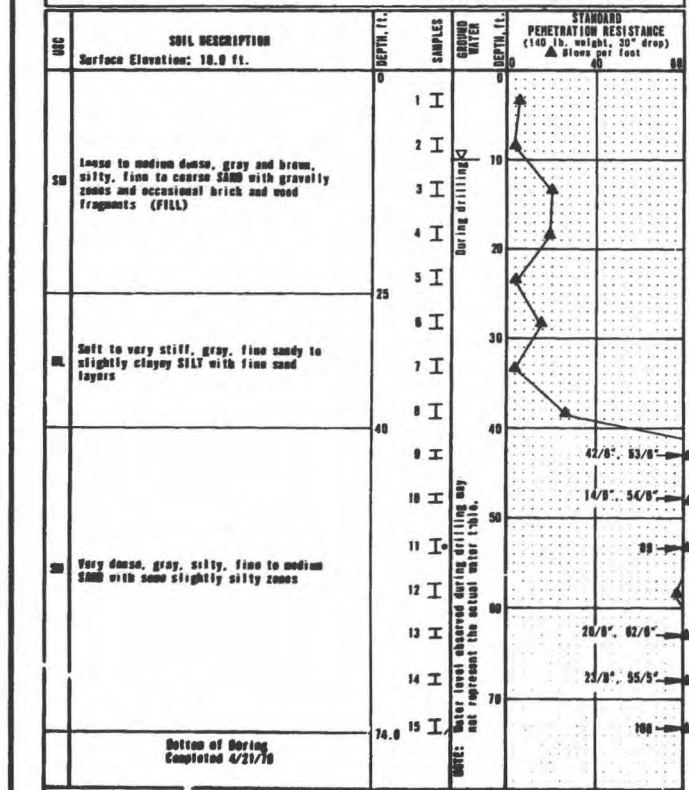
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-422
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

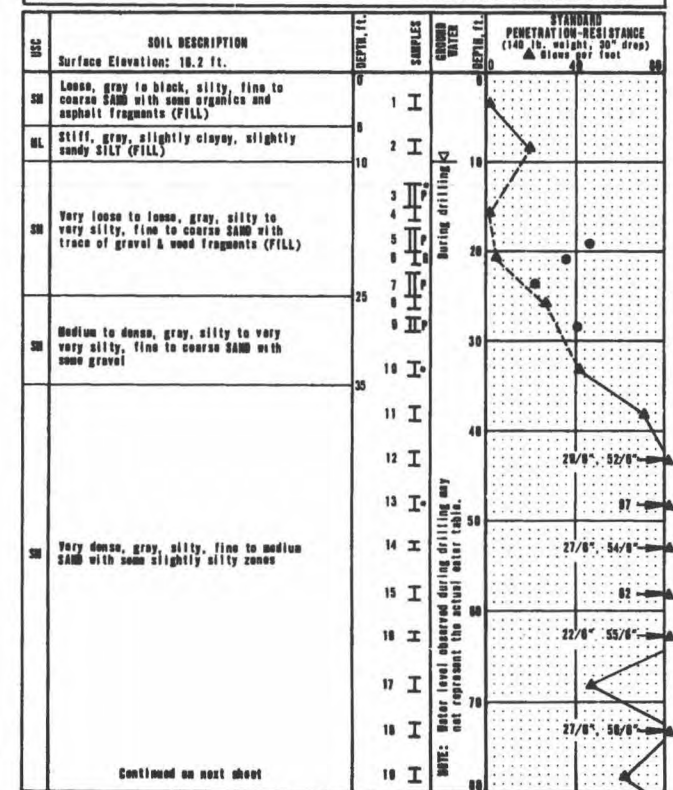
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-423
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

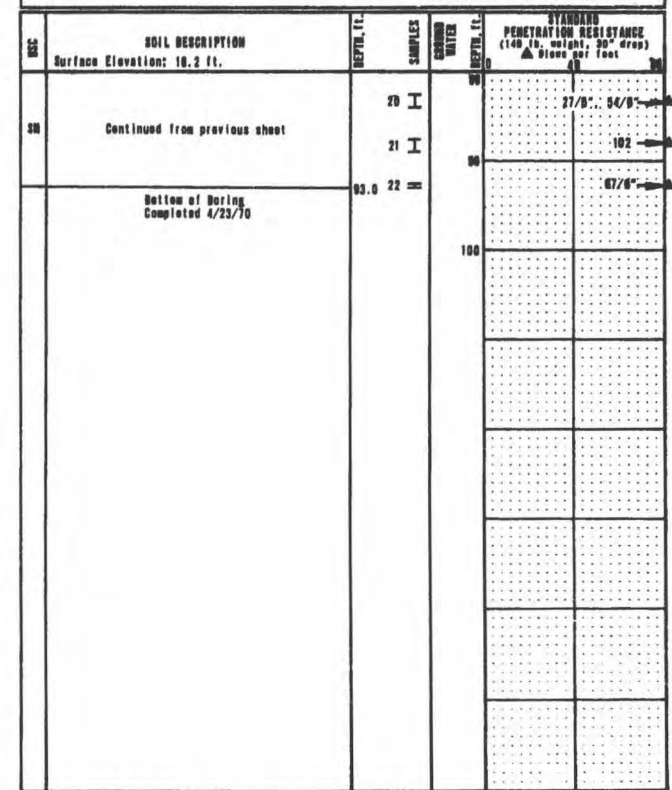
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-424
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

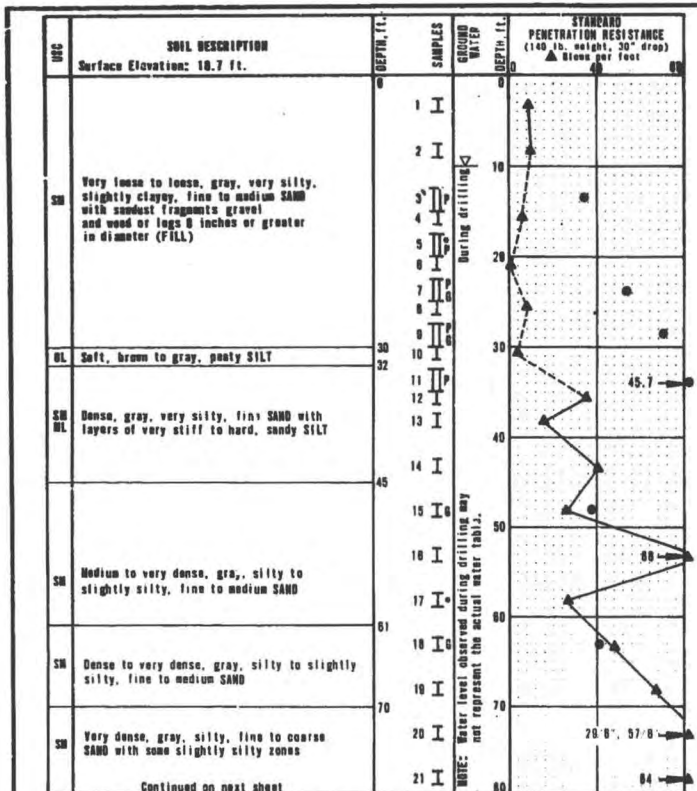
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-425
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



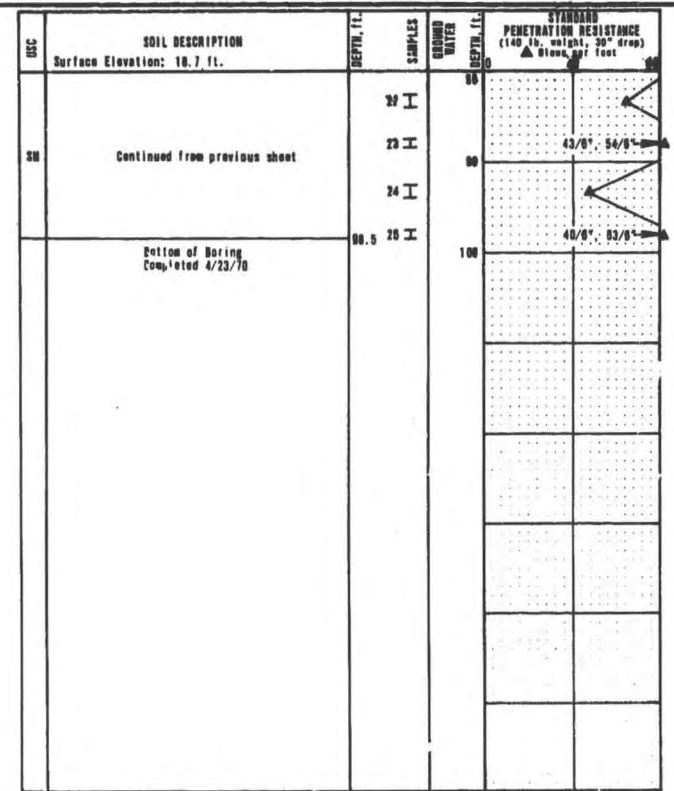
LEGEND

- I 2.0" O.D. split spoon sample
- II 3.0" O.D. thin-wall sample
- Sample not recovered
- Atterberg limits: Liquid limit, Plastic limit, Natural water content
- Impervious seal
- Water level
- Piezometer tip
- Sampler pushed
- Unified Soil Classification
- % Water content

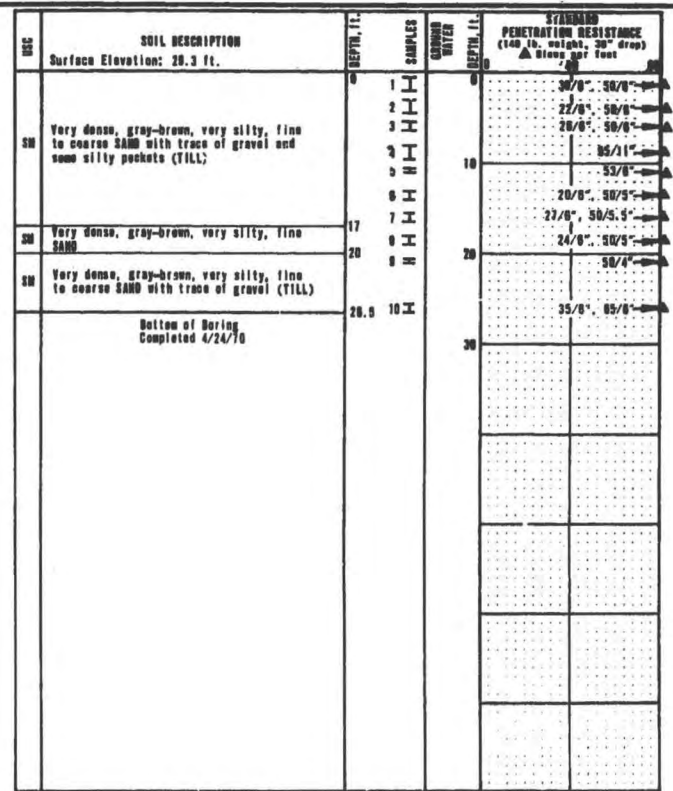
CITY OF SEATTLE DAY FREIGHT
LOG OF BORING NO. B-425
 FEB. 12, 1971 U-1050
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



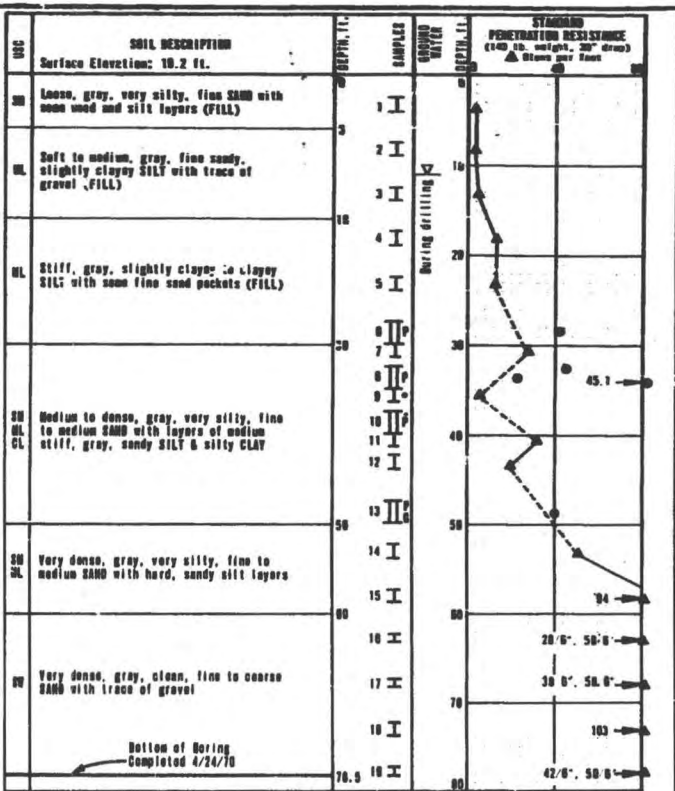
LOG OF BORING NO. B-426
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



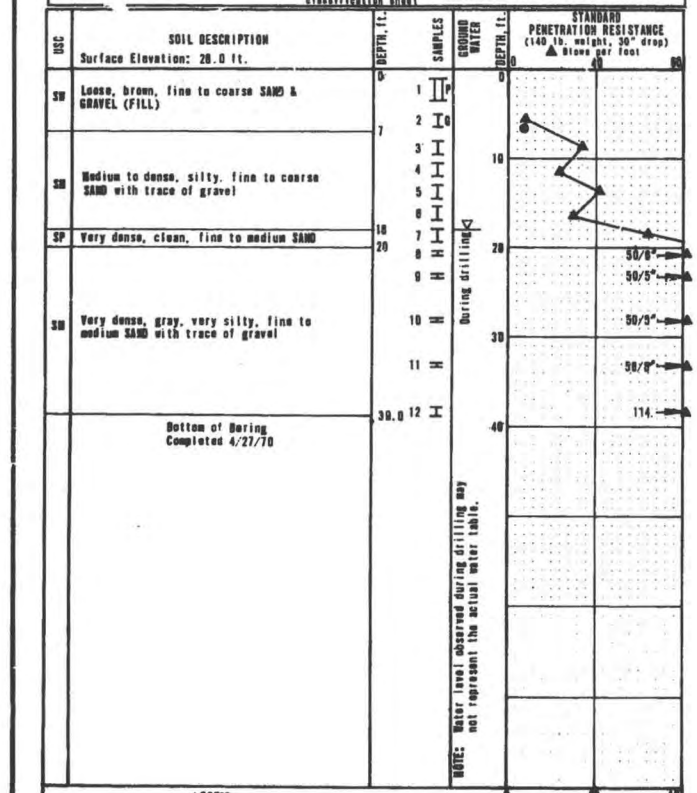
LOG OF BORING NO. B-426
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



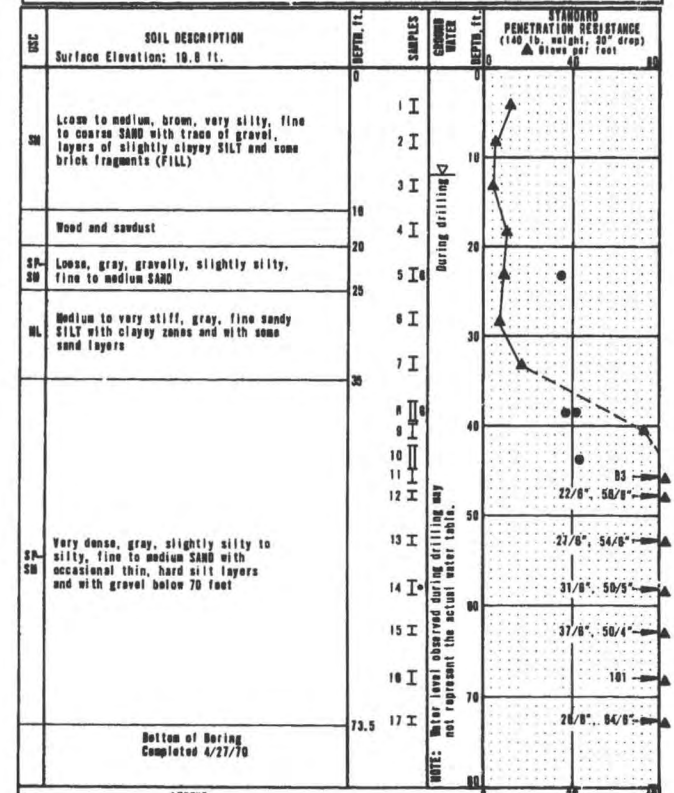
LOG OF BORING NO. B-427
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



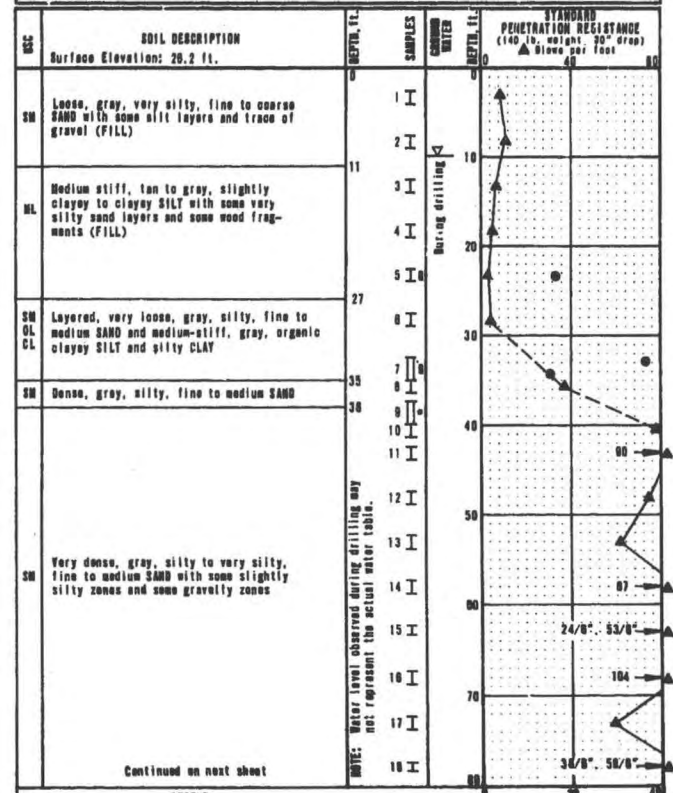
LOG OF BORING NO. B-428
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



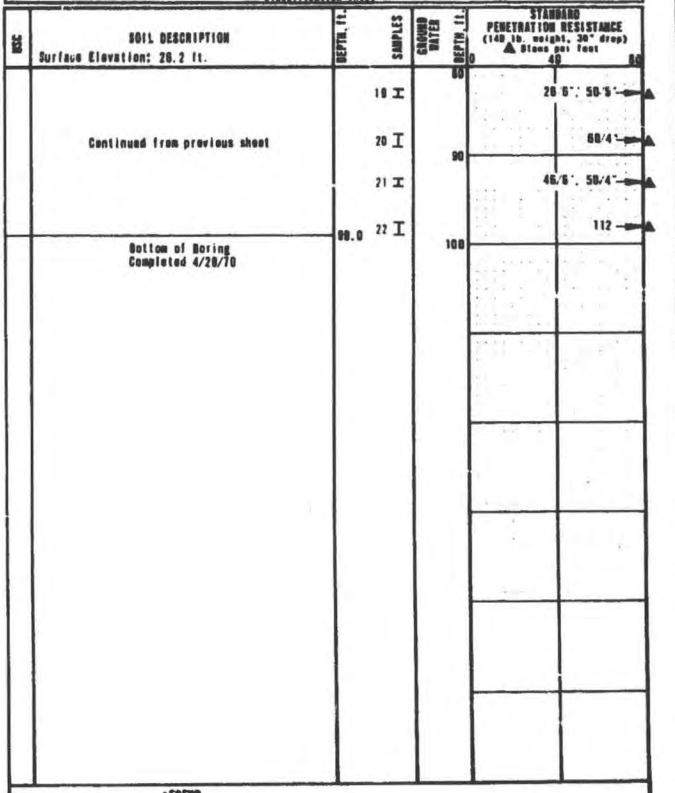
LOG OF BORING NO. B-429
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



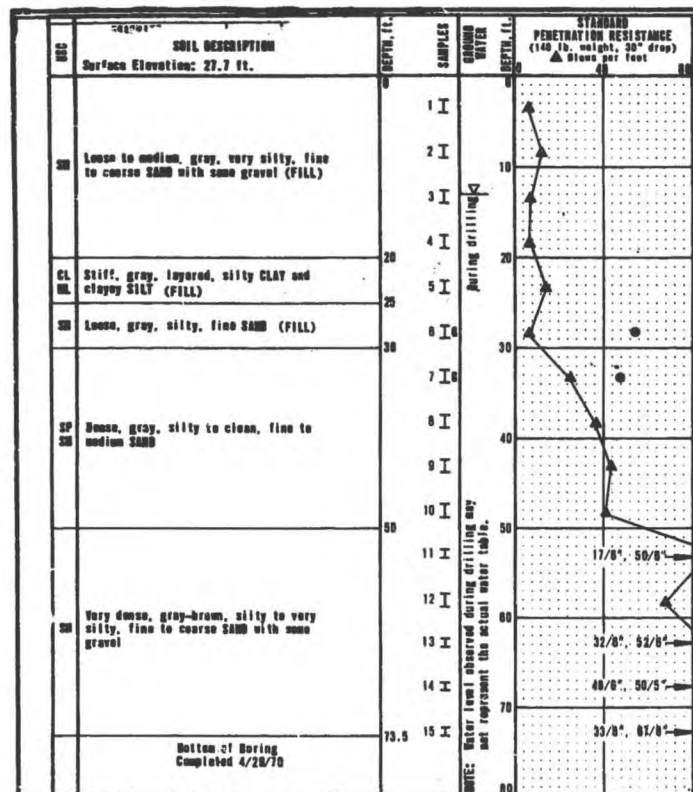
LOG OF BORING NO. B-430
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LOG OF BORING NO. B-431
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LOG OF BORING NO. B-431
 FEB. 12, 1971 W-1050
 SHAWM & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

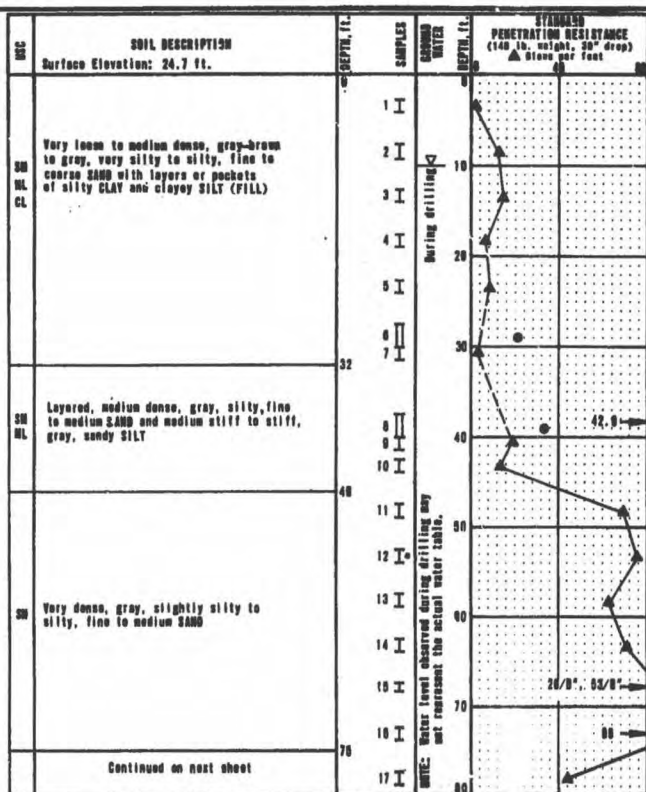


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification
 See grain size classification sheet

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-432
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

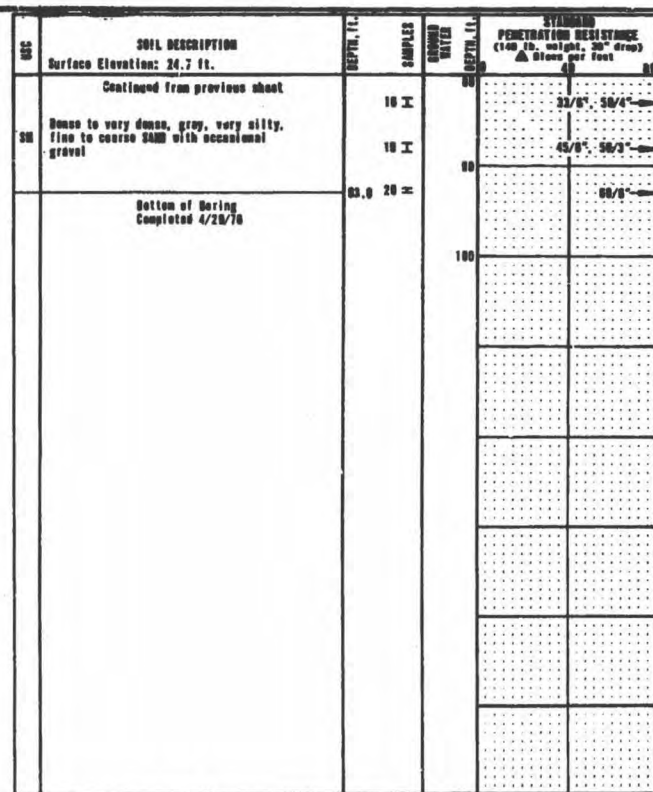


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-433
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

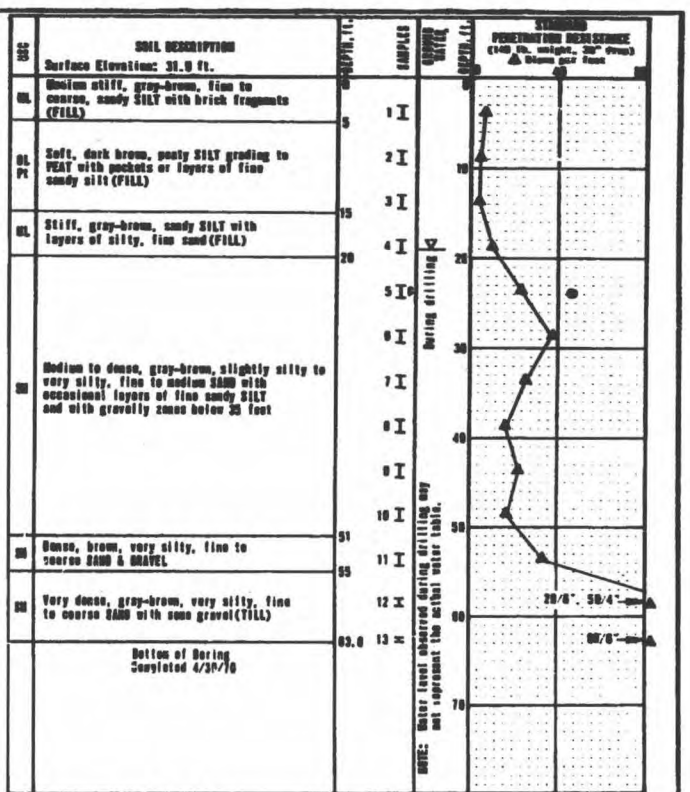


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-433
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

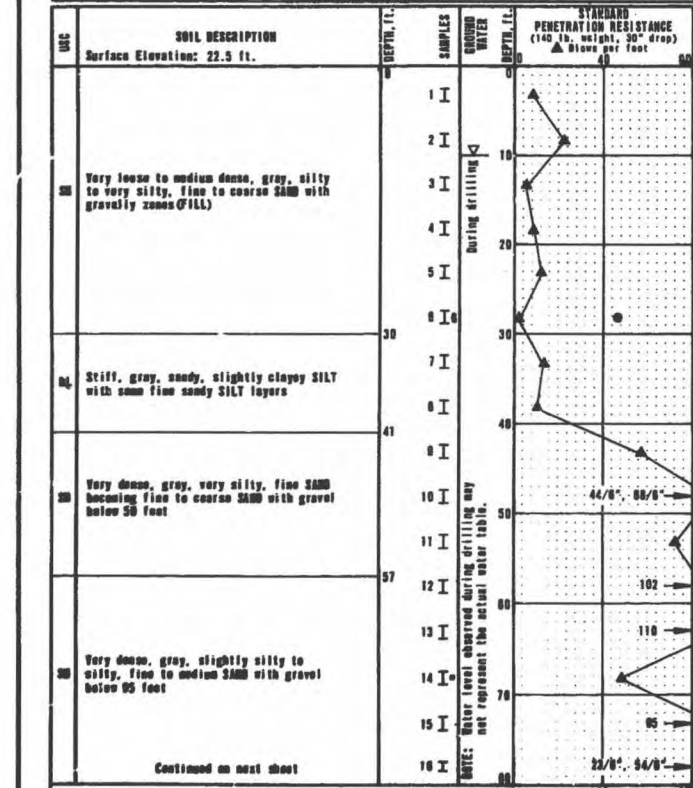


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-434
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

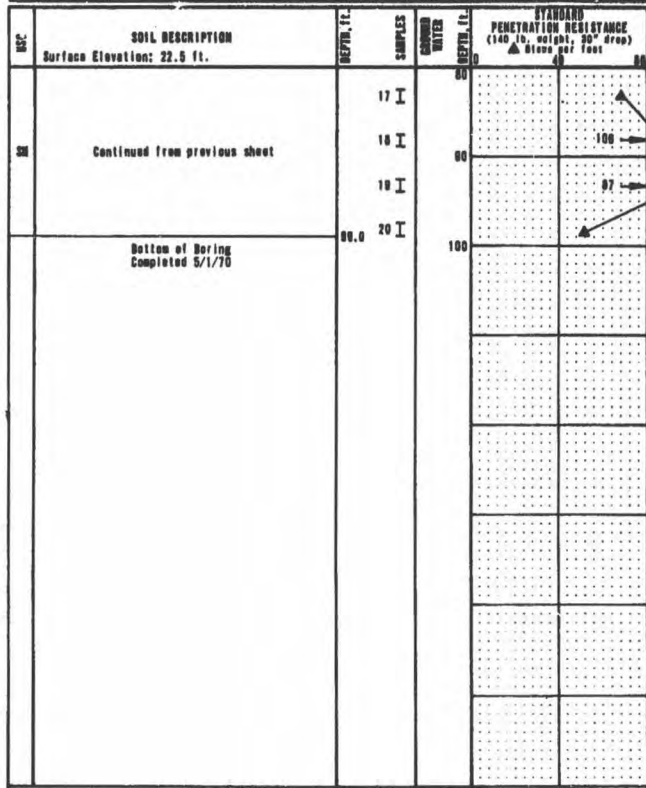


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-435
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

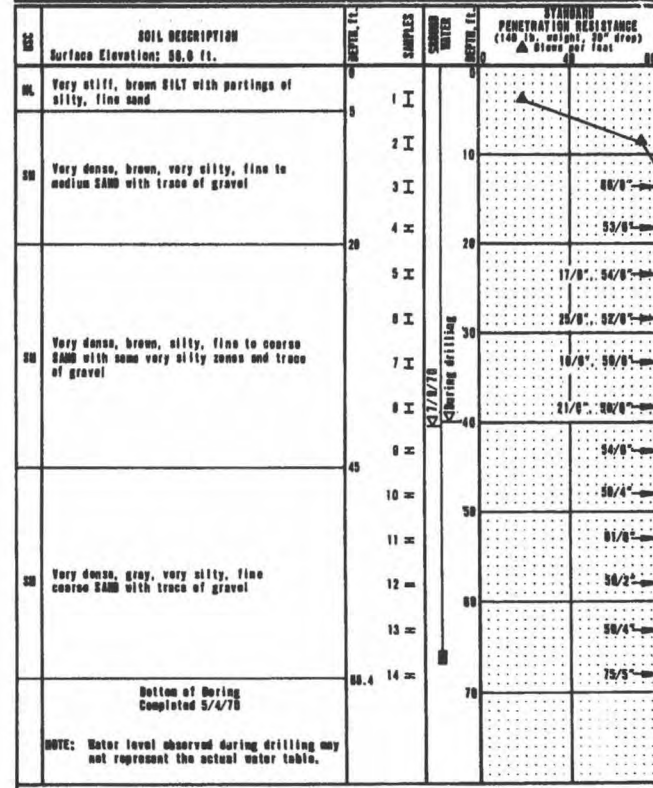


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-435
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

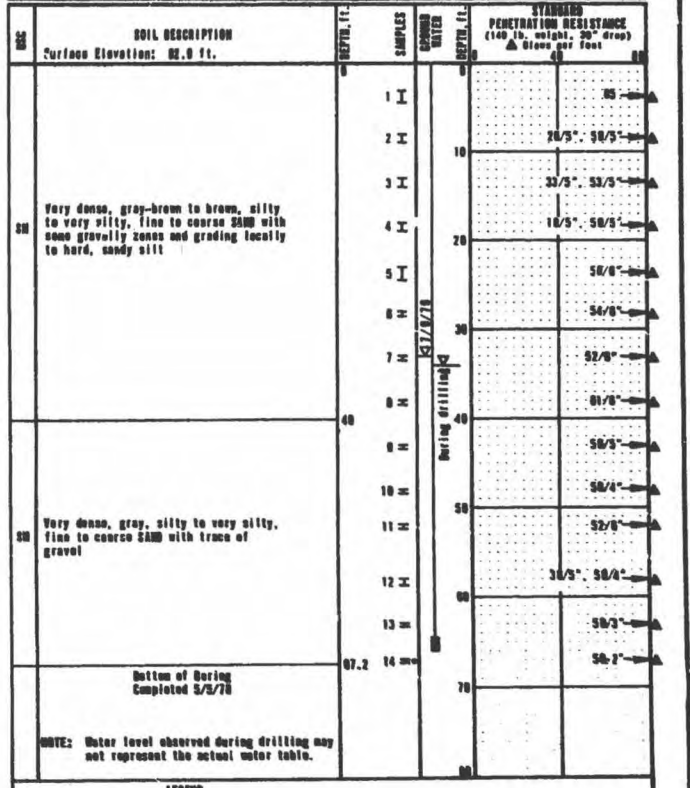


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-436
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS

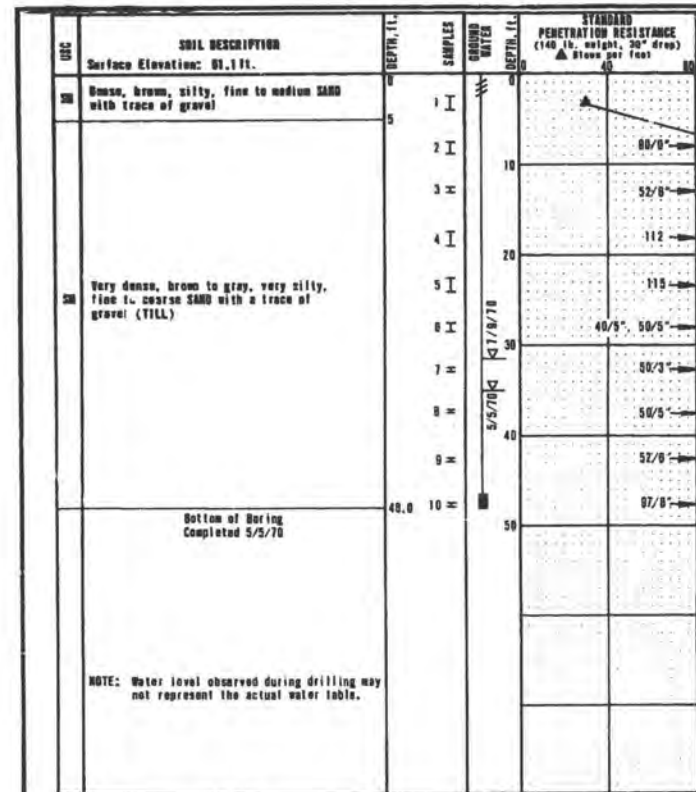


LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

Impervious seal
 Water level
 P Sampler pushed
 UUC Unified Soil Classification

Water content
 CITY OF SEATTLE
 DAY FREEMAN
LOG OF BORING NO. B-437
 FEB. 12, 1971 0-1000
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

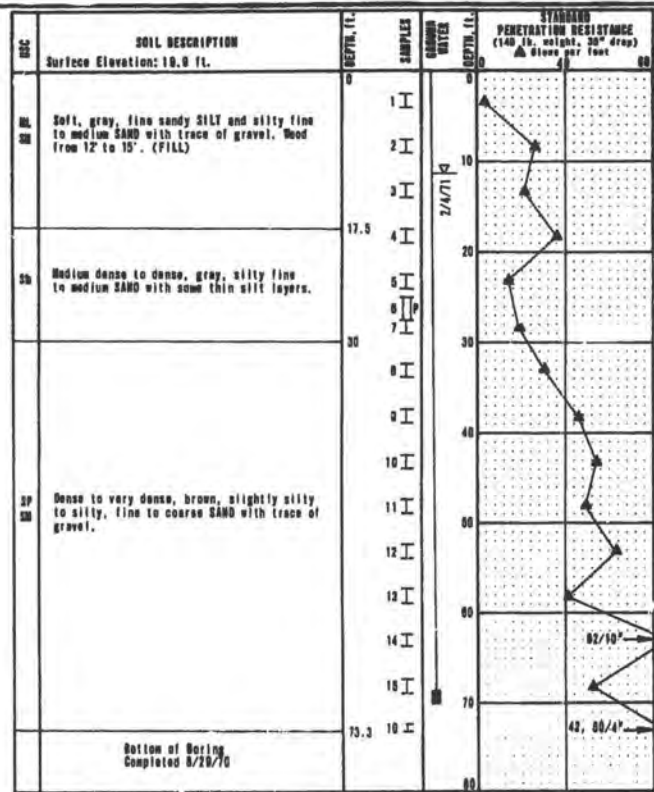
Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Sampler pulled

Atterberg limits:
 Liquid limit
 Natural water content
 Plastic limit

USC Unified Soil Classification

Water content

CITY OF SEATTLE
 BAY FREEMAN
 FEB. 12, 1971
 SHANNON & WILSON, INC.
 SOIL MECHANICS & FOUNDATION ENGINEERS



LEGEND

I 2.0" O.D. split spoon sample
 II 3.0" O.D. thin-wall sample
 * Sample not recovered

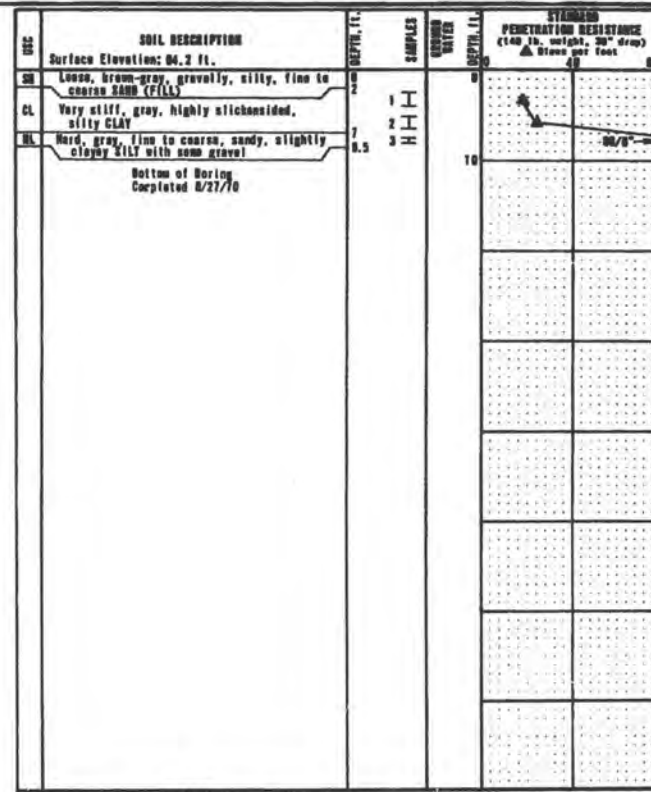
Impervious seal
 Water level
 Piezometer tip
 Sampler pushed
 Sampler pulled

Atterberg limits:
 Liquid limit
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USC Unified Soil Classification

Water content

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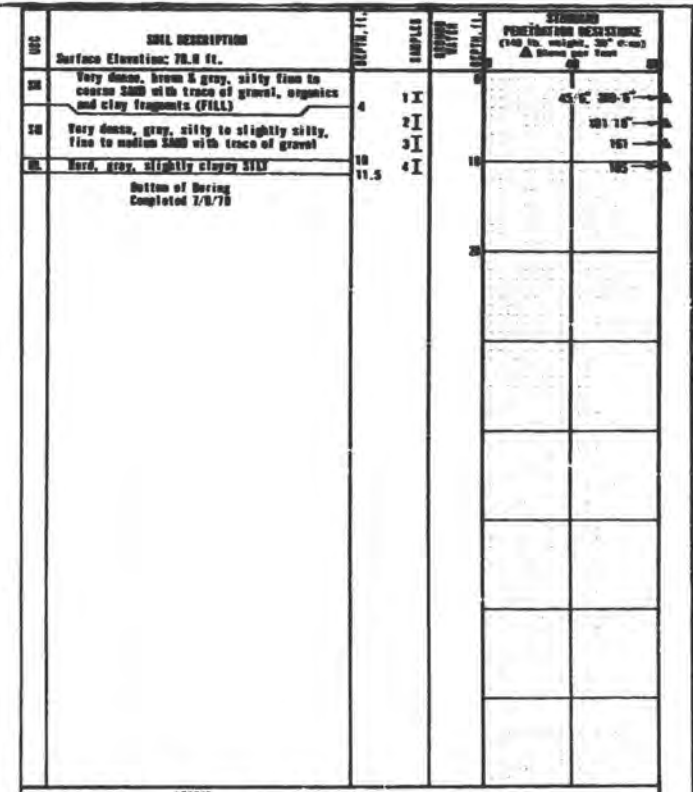
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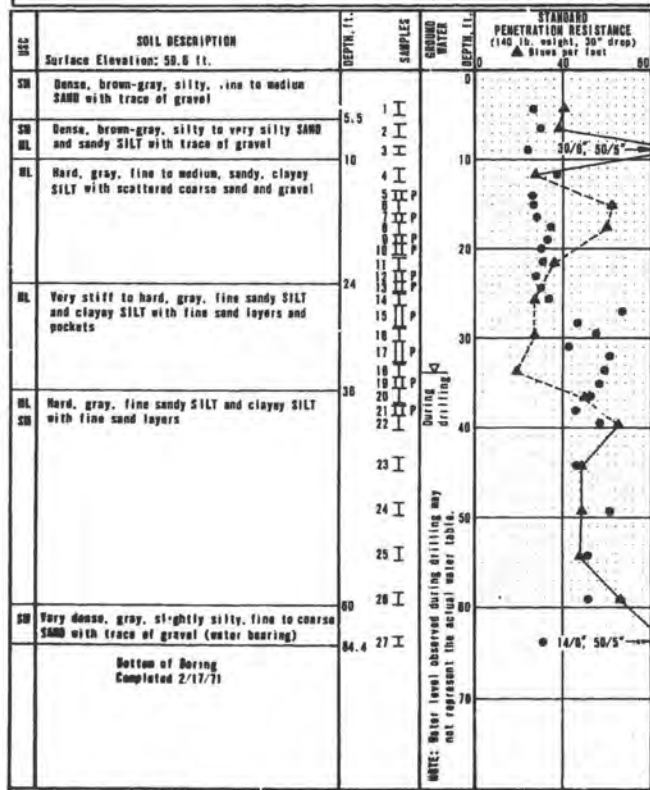
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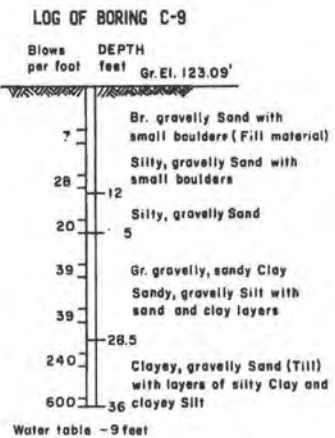
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BORING C-9 - TEST HOLE NO. 226 BY
 WASHINGTON STATE, DEPARTMENT OF
 HIGHWAYS, 1961


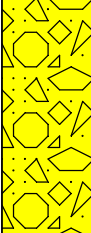



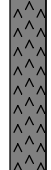


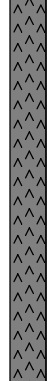


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | B101
MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete FILL		Concrete surfacing. Boring hand-cleared to 5 feet bgs. Brick and stone debris and concrete blocks with rebar.	
						SM (FILL)		Concrete debris with gravel and silt-sand mixture.	
5				0.0		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-55-20). Fill material.	
				0.0		SM (FILL)		Wood debris with silty SAND, damp, brown, no solvent or hydrocarbon odor (25-75-0). Driller added water.	
10				0.0		Concrete (FILL)		Concrete debris. Wood debris.	
								No recovery.	
15									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount



Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

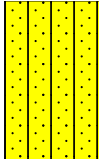

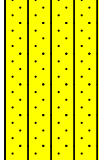

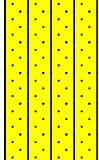



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BORING LOG | **B101**
 MW101

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 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15									
			20	0.2		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (25-55-20).	
20				0.0		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (25-55-20).	
25		10							
30				96.5		SM		Wet, dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-65-15). Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
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Notes/Comments:
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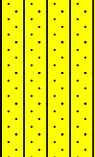

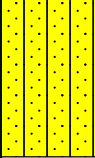



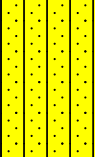












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BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				219	B101-30	SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (sieve result 37.2/52.4/10.4).	
			100	61		SM		Damp, very dense, silty medium to fine SAND and gravel, brown, no solvent or hydrocarbon odor (sieve result 21.3/70/8.7).	
				93.4	B101-34	SP-SM		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
35				154		SM		Damp, very dense, silty fine SAND with gravel, gray with brown mottling, no solvent or hydrocarbon odor (20-65-15).	
				121					
			100	127		SM		Damp, very dense, silty fine SAND with gravel, brown with reddish brown mottling, no solvent or hydrocarbon odor (20-70-10).	
				60.9				Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
40				42.1	B101-40			Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				29.8					
				57.6		SM-ML		Dry, very dense, SILT with fine sand and gravel, trace cobbles present, gray, no solvent or hydrocarbon odor (40-50-10).	
				12.6				Dry, very dense, SILT with fine sand and gravel, trace cobbles, gray, no solvent or hydrocarbon odor (40-45-15).	
45				49.4					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



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BORING LOG | B101
MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				82.3		SM		Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
				56.9	B101-47	SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
		100		53.5		SM		Moist, very dense, silty fine to medium SAND with gravel, gray, no solvent or hydrocarbon odor (sieve result 28.2/56.0/15.3).	
				13.8		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
50				179		SM		Moist, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
				141		ML		Dry, hard, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (60-25-15).	
				9.43		SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
55				9.10	B101-55	SM			
		100		8.79		SM-ML		Grades to dry to moist, more silt-rich, no solvent or hydrocarbon odor (40-50-10).	
				2.63					
				6.93					
60						SM-ML		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
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BORING LOG | **B101**
 MW101

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Water Depth At Time of Drilling: 21 feet bgs
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Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				59.5		SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (35-45-20).	
				1.3					
		100		4.2		SM		Dry, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
65				1.74	B101-65				
				7.4		SM		Wet, dense, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor.	
				7.4					
		95		5.4		SM-ML		Damp, very dense, silty fine SAND and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				2.5		SM		Dry, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
70				0.0		SM		Dry, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
				0.0		SM		Dry, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
		100		0.0		SM		Dry, very dense silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
				0.0		SM		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (25-75-0).	
				0.2	B101-75				
75									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
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Notes/Comments:
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







Project: 700 Dexter Property
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Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM-ML		Dry, very dense, SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
			100	0.0		SM		Moist, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).	
				0.0		SM		Dry, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
				0.2					
80				0.2	B101-81	SM		Wet, very dense, silty gravelly fine SAND and few cobbles, gray, no solvent or hydrocarbon odor (55-40-5).	
				0.0		SM		Moist, very dense, silty fine SAND and trace cobbles, gray, no solvent or hydrocarbon odor (40-55-5).	
				0.0					
85			100	0.0		SM-ML		Dry, very hard, silty gravelly fine to medium sandy SILT with some gravel, gray, no solvent or hydrocarbon odor (45-35-20).	
				0.0					
				1.1		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
						SM		Moist, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

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Surface Seal: Concrete
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Monument Type: Flush Mount



Notes/Comments:
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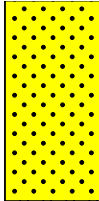
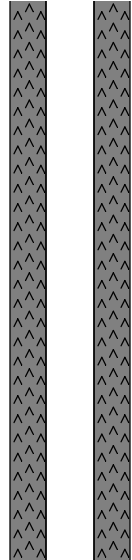
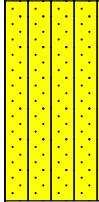
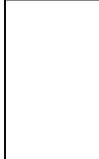
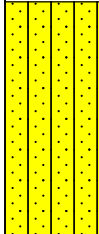
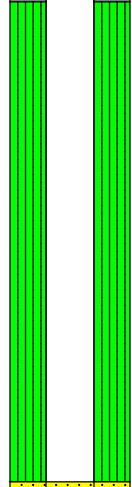
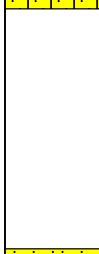

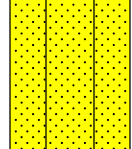




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BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
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 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.9		SP		Wet, dense, medium to fine SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
				0.1	B101-92				
				0.1		SM		Wet, dense, silty medium SAND, gray, no solvent or hydrocarbon odor (20-80-0).	
				0.1					
95			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
				0.0	B101-97				
				0.0		SM		Damp, very dense silty fine to medium SAND, gray, no solvent or hydrocarbon odor (35-65-0).	
				0.0					
100				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (5-90-5).	
				0.0					
				0.0		SP-GP		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (sieve result 8.8/43.5/47.7).	
				0.0	B101-104				
				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
105			100						

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount



Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.


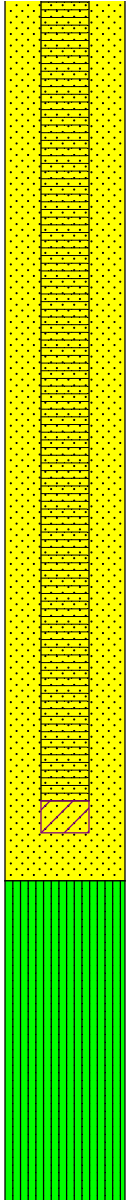













Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SM		Damp, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.1		SP-SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
110				0.0		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				6.6	B101-114.5	SM		Damp, very dense silt, fine to medium SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
115				0.1		SM		Damp, very dense, silty fine SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				1.3		SM-ML		Dry, very dense, silty fine SAND with trace gravel, gray (50-45-5).	
				0.4					
				1.3		SM		Moist, very dense, silty coarse SAND with some gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount



Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

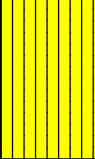
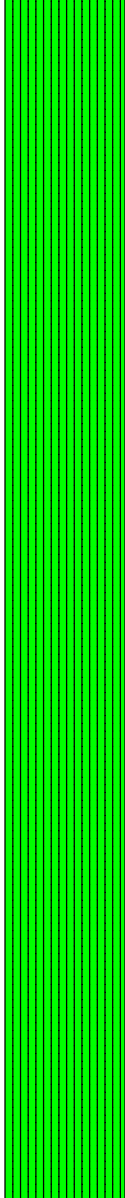

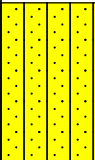




Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120				0.4	B101-120	ML		Damp, hard, SILT with fine sand with some gravel, weakly cemented, gray, no solvent or hydrocarbon odor (50-35-15).	
				0.4			Sieve result 30.6/30.9/38.5.		
				0.7		SM-GM		Damp, very dense, silty fine to medium SAND with some gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
125			50	1.0			No recovery.		
				2.5	B101-131	SM		Wet, very dense, silty fine SAND with trace gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				1.3		SM-ML		Wet, hard, silty fine SAND with trace gravel, slurry consistency, gray, no solvent or hydrocarbon odor (60-35-5).	
				0.4				Wet, hard, silty fine to medium SAND with some gravel, cohesive material (45-40-15).	
130									
135									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.

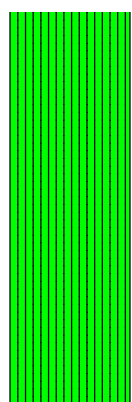


Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH; DMM
Date Started: 7/9/2012
Surface Conditions: Concrete
Well Location N/S: 10.8' north of the north wall of the warehouse area
Well Location E/W: 28.5' east of the east wall of the auto shop
Reviewed by: CCC
Date Completed: 7/17/2012

BORING LOG | **B101**
 MW101

Site Address: 700 Dexter Avenue North
 Seattle, Washington

 Water Depth At Time of Drilling: 21 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135				0.0		SM-ML		Dry, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.4		SM-ML		Dry, hard, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.1		SM-ML			
140				0.7	B101-140	SM-ML		Dry, hard, SILT with fine sand and gravel, gray no solvent or hydrocarbon odor (40-45-15).	
145								<p>Boring terminated at 140 feet bgs, backfilled with bentonite grout from 140 feet to 116 feet depth. Two-inch-diameter well installed to a depth of 115 feet bgs, screened from 105 to 115 feet bgs, with silica sand from 103 to 116 feet bgs, bentonite seal from 97 to 103 feet bgs, bentonite grout from 2 to 97 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW101.</p> <p>Reconnaissance groundwater samples collected from 5-foot sections of disposable pre-packed well screens set at depths of 75'-80', 95'-100', 115'-120', and 134'-139' depths.</p>	
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 014

Well/Auger Diameter: 2/8,6,4 inches
Well Screened Interval: 105 to 115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:
 Set conductor casing at 40 and 80 feet bgs.



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		6 inches of concrete surfacing.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel and brick fragments, brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (26-65-10). Fill material.	
5						SM (FILL)		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, asphalt and wood debris, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
10				0.0		SM (FILL)		Damp, dense, silty fine SAND with gravel, trace asphalt and wood debris, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (20-70-10). Fill material.	
			100	0.0		SP-SM (FILL)		Damp, dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (15-75-10). Fill material.	
15				0.0		SM (FILL)		Damp, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM (FILL)		Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	
				0.0		SM (FILL)		Damp, dense, silty SAND with wood debris, brown, no solvent or hydrocarbon odor (25-75-0).	
				0.0	B102-20	SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
20				0.0		SP-SM		Damp, very dense, fine to medium SAND with silt and gravel, grayish brown, no solvent or hydrocarbon odor (15-80-5).	
				0.0		SP-SM		Damp, very dense, fine to medium SAND with silt and gravel, grayish brown, no solvent or hydrocarbon odor (15-80-5).	
		100		0.0		SP-SM		Moist, very dense, fine to medium SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-80-5).	
25				0.0		SM-ML		Wet, very dense fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
				0.0	B102-30	SM-ML		Wet, very dense, fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
30									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0		SP		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (5-90-5).	
				0.0		SP		Damp, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (5-85-10).	
				0.0		SP		Wet, very dense, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (5-75-20).	
35			100	0.0		SP		Wet, very dense, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (5-75-20).	
				0.0	B102-38	SP		Wet, very dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10).	
						SM-ML		Moist, hard, fine sandy SILT, brown, no solvent or hydrocarbon odor (50-50-0).	
40				1.1	B102-40	SM-ML		Damp, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (50-50-0).	
				0.6		SM-ML		Damp, hard, fine sandy SILT with gravel, cohesive, gray (40-50-10).	
				34.9					
				51.0		SM		Damp, very dense, silty fine SAND with gravel, cohesive, gray (40-50-10).	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45						SM-ML		Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (50-50-0).	
				147.5		SP-SM		Moist, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				202					
				39.8	B102-49	SM-ML		Damp, very dense, silty fine SAND with gravel, cohesive, gray (40-50-10).	
50				42.9		SM-ML		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-50-10).	
			100	14.2		SM-ML		Dry, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-45-15).	
				73.7		SM-ML		Dry, very dense, silty fine SAND, gray no solvent or hydrocarbon odor (40-45-15).	
55						SM-ML		Dry, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-50-10).	
			100			SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
60					B102-60	SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				134.7		SP-SM		Damp, very dense, fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				116.0		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
65			100	43.0		SM-ML		Damp, very dense, silty fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
				54.6		SM-ML		Damp, very dense, silty fine SAND, gray no solvent or hydrocarbon odor (50-50-0).	
70				42.0	B102-70	SM-ML		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (50-50-0).	
				24.9		SM-ML		Dry, very dense, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
						SM-ML		Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
75						SM-ML		Dry, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
			100	0.0		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
				1.5		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
80				0.4	B102-80	SM-ML		Dry, very dense, SILT with fine sand, gray no solvent or hydrocarbon odor (50-50-0).	
				0.4		SM-ML		Dry, very dense, SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				0.6		ML		Moist, very dense, SILT with fine sand, cohesive, gray, no solvent or hydrocarbon odor (60-35-5).	
85			100	0.6		SM-ML		Moist, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
				0.4		SM-ML		Moist, hard fine sandy SILT, gray, no solvent or hydrocarbon odor (60-40-0).	
				0.6		SM-ML		Moist, hard, fine sandy SILT, cohesive, gray, no solvent or hydrocarbon odor (60-40-0).	
90					B102-90				

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90			25	0.2		ML		Moist, very dense, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (55-40-5). Sampler plugged with a large rock; no recovery 92.5 to 100 feet bgs. No recovery. Material returned from approximately 95 to 100 feet bgs from previously stuck/dropped sampler: wet, medium to coarse, sand with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
95			25			SP-SM			
100				0.9	B102-100	SP-SM		Moist, medium to coarse SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
105				1.1		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
						SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105			100	0.9	B102-110	SP-SM		Wet, coarse to medium SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
				0.7		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray no solvent or hydrocarbon odor (15-80-5).	
				0.7		SP-SM		Wet, coarse to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (15-80-5). Siltier zones present (3 inches thick or less): wet, silty coarse to medium sand with gravel, gray, no solvent or hydrocarbon odor (20-75-5).	
110						SP-SM		Wet, dense, coarse to medium SAND with silt, gray, no solvent or hydrocarbon odor (15-80-5).	
			50	1.6		SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				1.6		SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
115				0.4		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
				0.4		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.2		SP-SM		Wet, dense, medium to coarse SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-75-15).	
				0.2		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-70-20).	
120					B102-120				

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8.6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/17/2012
Surface Conditions: Concrete
Well Location N/S: 13.5' north of northern-most northeast corner of 700 Dexter
Well Location E/W: 10.0' east of northern-most northeast corner of 700 Dexter
Reviewed by: CCC
Date Completed: 7/24/2012

BORING LOG | **B102**
 MW102

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 28 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120			100	0.4		SW-GW		Wet, dense, GRAVEL with sand and silt, gray, no solvent or hydrocarbon odor (10-55-35).	
			100	0.7		SM-GM		Damp, very dense, gravelly silty SAND, gray, no solvent or hydrocarbon odor (25-30-45).	
			100	0.4		SW-GW		Wet, dense, gravelly SAND with silt, gray, no solvent or hydrocarbon odor.	
				0.4		SW-GW		Wet, dense, gravelly SAND with silt, gray, no solvent or hydrocarbon odor (10-50-40).	
125								<p>Boring terminated at 125 feet bgs. Two-inch-diameter well installed to a depth of 125 feet bgs, screened from 115 to 125 feet bgs, with silica sand from 113 to 125 feet bgs, bentonite seal from 103 to 113 feet bgs, bentonite grout from 5 to 103 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW102.</p>	
130									
135									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 125 feet bgs
Total Well Depth: 125 feet bgs
State Well ID No.: BCK 015

Well/Auger Diameter: 1/8,6 inches
Well Screened Interval: 115 to 125 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silica sand
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0				0.6		Concrete		2 inches of concrete.	
				0.2		SM (FILL)		Damp, dense, silty SAND with gravel and wood debris, dark gray (30-60-10). Fill material.	
			50	0.0		FILL		Wood debris.	
						SM (FILL)		No recovery.	
5				0.0		SM (FILL)		Damp, dense, silty SAND with gravel and brick, metal, porcelain, and wood debris, dark brown to dark gray (30-60-10). Fill material.	
			100	0.2		SM (FILL)		Damp, dense, silty SAND with gravel and brick, metal, porcelain, and wood debris, dark brown to dark gray. No solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.2		SM (FILL)		Damp, dense, silty SAND with gravel, wood and metal debris, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
10				0.0	B103-10	SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
			100	0.7		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	
15				0.4		SM (FILL)		Damp, dense, silty SAND with gravel and wood waste, dark brown, no solvent or hydrocarbon odor (30-60-10). Fill material.	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				1.1		SP		Damp, dense, fine to medium SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
			100	3.9					
				5.6	B103-18	SM		Moist, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (15-65-20).	
				4.9		SM		Wet, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (15-65-20).	
20				4.9		SM		Moist, dense, silty SAND with gravel, gray, slight hydrocarbon odor (15-65-20).	
			100	3.3					
				0.7		SM		Moist, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-5).	
				0.4					
25				0.0		SM		Wet, dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
			100	0.0		SM		Wet, dense, silty SAND, gray, no solvent of hydrocarbon odor (30-70-0).	
				0.0		SM-ML		Wet, loose, silt with fine SAND, gray, no solvent or hydrocarbon odor (55-45-0).	
30				0.0		SM-ML		Wet, loose, silt with fine SAND, gray, no solvent or hydrocarbon odor (55-45-0).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | B103 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B103-30	SM		Wet, loose, silty fine SAND with gravel and wood debris, gray, no solvent or hydrocarbon odor (25-60-15).	
			100	0.0					
				0.0		SM		Wet, loose, silty fine SAND with grave and wood debris, gray, no solvent or hydrocarbon odor (25-60-15).	
35				0.0		SP-SM		Wet, loose, fine to medium SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0					
				0.4		SP-SM		Wet, loose, fine to medium SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
40				0.0	B103-40	SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				6.1					
				9.2					
			100	5.6		SP-SM		Moist, loose, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				14.4		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45					B103-45	SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
			100	3.6					
				4.6					
				2.1					
				0.7		SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
50						SM-ML		Damp, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.0					
			100	2.6					
				0.0		SM-ML		Dry, very dense, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
55					B103-55	SM-ML		Dry, very dense, SILT with fine sand with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).	
				0.5		SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
			100	0.2		SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
				0.0					
				0.2		SM-ML		Moist, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
60									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.0	B103-62.5	GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0		GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
			100	0.0		SM-ML		Damp, very dense, fine sandy SILT with gravel, dark gray, no solvent or hydrocarbon odor (45-45-10).	
				0.0		SM-ML		Dry, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).	
65				0.0		SM-ML		Moist, very dense, fine sandy SILT with gravel, dark gray, no solvent or hydrocarbon odor (40-40-20).	
			100	0.0		SM-ML			
				0.0		SM-ML		Moist, very dense, fine sandy SILT to fine SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-40-20).	
70				0.0		GM		Damp, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0	SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).		
				0.0	SM-ML		Damp, very dense, silty gravelly SAND, dark gray, no solvent or hydrocarbon odor (35-35-30).		
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75					B103-75	GM		Moist, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
			100	0.0		GM		Dry, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
				0.0		GM		Moist, very dense, silty GRAVEL with fine sand, dark gray, no solvent or hydrocarbon odor (30-20-50).	
80				0.0		SM		Moist, very dense, silty medium to fine SAND with gravel, brown, no solvent or hydrocarbon odor (20-55-25).	
			100	0.0		SM			
				1.0	B103-83	SM		Moist, very dense, silty medium SAND with trace gravel, brown, no solvent or hydrocarbon odor (15-80-5).	
				0.0		SM			
85				0.0		SP-SM		Wet, dense, medium to coarse SAND with little silt, brown, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SM			
				0.7		SM		Moist, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).	
				0.2					
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | B103
MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0		SM		Damp, very dense, silty medium SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
			100	0.0		SM		Moist, very dense, silty, medium to fine SAND, dark gray, no solvent or hydrocarbon odor (20-80-0).	
				0.0	B103-95	SM		Moist, very dense, silty medium to fine SAND, dark gray, no odor (20-80-0).	
95				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
				0.2		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
				0.0		SP-SM		Wet, dense, medium SAND with coarse to fine sand and silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.2		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
100				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray (10-80-10).	
				0.5		SP-SM		Wet, dense, medium SAND with fine to coarse sand with silt and gravel, dark gray (10-80-10).	
105				0.0		SP-SM		Wet, dense, medium SAND with fine to coarse sand and silt and gravel, dark gray (10-80-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/25/2012
Surface Conditions: Concrete
Well Location N/S: 108.5' north of southeast corner of Seattle Light building
Well Location E/W: 6.6' east of southeast corner of Seattle Light building
Reviewed by: CCC
Date Completed: 7/27/2012

BORING LOG | **B103**
 MW103

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 19 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0	B103-105	SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SP-SM		Wet, dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
110			100	0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0	B103-113	SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-50-25).	
115								Boring terminated at 115 feet bgs. Two-inch-diameter well installed to a depth of 114 feet bgs, screened from 103.5 to 114 feet bgs, with sand from 101.5 to 115 feet bgs, bentonite seal from 91.5 to 101.5, bentonite grout from 5 to 91.5 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW103.	
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.: BCK 016

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 105 to 114 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado silicon sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		9 inches of concrete surfacing. Boring cleared with vector truck to a depth of 9 feet bgs.	
10				0.0	B104-10	SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-65-20).	
			100	0.0		SM		Damp, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (15-65-20).	
15				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		MH		Wet, soft, silty CLAY with sand and gravel and wood debris, consistency of wet grout, brownish gray, no solvent or hydrocarbon odor (60-20-20).	
			100	0.0		MH		Wet, soft, silty CLAY with sand and gravel and wood debris, consistency of wet grout, brownish gray, no solvent or hydrocarbon odor (60-20-20).	
				0.0					
20				0.0	B104-20	MH		Wet, soft, silty CLAY with sand and gravel, consistency of wet grout, gray, no solvent or hydrocarbon odor (60-20-20).	
				0.0		MH		Wet, soft, silty CLAY with sand and gravel, consistency of wet grout, gray, no solvent or hydrocarbon odor (60-30-10).	
				0.0					
				0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
25				0.0		SM		Wet, loose, silty fine SAND with clay and gravel and wood debris, gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0					
				0.0					
				0.0		SM		Wet, loose, silty medium SAND with gravel, brown, no solvent or hydrocarbon odor (20-60-20).	
				0.0					
30									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B104-30	SM		Wet, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (20-65-15).	
				0.5		SM		Moist, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (20-70-10).	
				28.0		SM		Moist, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
35				37.5		SM		Damp, dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
		100		3.6	B104-36	SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
				0.0		SM-ML			
				0.2		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
40				0.5		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).	
				0.8		SM-ML			
		100		0.8		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no odor (40-40-20).	
				1.4		SM-ML		Dry, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-40-20).	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				1.1		SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
				0.8					
				0.8		SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
				0.5		SM-ML		Dry, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-40-20).	
50				0.3	B104-50	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.6		SM		Moist to wet, dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-65-5).	
				0.3					
				0.0		SM		Damp, silty, fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
55				2.1		SM		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
				2.1					
			100	0.9		SM		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
				2.7		SM-ML		Wet, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (45-50-5).	
60					B104-60				

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60			100	2.1		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				1.8					
				0.6					
				0.6		SM-ML		Dry, very dense, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-45-5).	
65			100	0.6					
				0.6					
				0.9		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-55-5).	
				1.3	B104-69				
70				0.6		SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
				0.0					
				0.9		SM-ML		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-50-5).	
				0.9					
75									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:

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Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75			100	0.3	B104-80	SM-ML		Dry, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
				0.3		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
			0.0	SM				Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
80			0.0				SM		
			100	0.0			SM		
			0.0	SM-ML				Wet, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
			0.0			SM-ML			
			100	0.3		SM-ML		Wet, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
85			0.6	SM-ML				Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (45-50-5).	
			0.9				SM-ML		
			100	0.9	SM		Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).		
90			0.9	SM			Dry, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).		

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.9		SM		Damp, very dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (40-50-10).	
			100	1.2		SM		Damp, very dense, silty medium to fine SAND with gravel, cohesive, dark gray (30-60-10).	
				0.0		SM		Damp, very dense, silty medium to fine SAND with trace gravel, dark gray, no solvent or hydrocarbon odor (30-65-5).	
				0.6		SM		Damp, very dense, silty medium to fine SAND, cohesive, dark gray (30-70-0).	
95				0.0		SM		Wet, dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).	
			100	0.0		SM		Wet, dense, silty medium to fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Wet, dense, silty coarse to fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-10).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0	B104-100	SM		Moist, dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (30-65-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.3		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.3		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
105									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0					
				0.0					
				0.0					
				0.0	B104-110	SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
110				0.3		SM		Moist, dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (30-55-15).	
				0.0					
				0.0		SP-SM		Wet, dense, coarse to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-70-20).	
				0.0					
				0.0		SM		Wet, dense, silty fine SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (30-55-15).	
				0.0					
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
				0.0					
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
115				0.0					
				0.0					
				0.0					
				0.0					
				0.0					
				0.0		SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0					
				0.0					
				0.0					
				0.0	B104-120	SM		Moist, dense, silty fine SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-60-20).	
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:
 Page: 8 of 9



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 7/30/2012
Surface Conditions: Concrete
Well Location N/S: 69.7' south of most easterly NE corner of 700 Dexter
Well Location E/W: 16.7' east of the most easterly NE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 8/2/2012

BORING LOG | **B104**
 MW104

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 17 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-75-15).	
						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
125						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
						SP-SM		Wet, dense, coarse to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
						ML		Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25).	
130					B104-130	ML		Dry, very dense, silt with fine SAND and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-25-25).	
135								<p>Boring terminated at 130 feet bgs. Two-inch diameter well installed to a depth of 129 feet bgs, screened from 119 to 129 feet bgs, with silica sand from 117 to 130 feet bgs, bentonite seal from 107 to 117 feet bgs, bentonite grout from 5 to 107 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW104.</p>	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 130 feet bgs
Total Well Depth: 129 feet bgs
State Well ID No.: BCK 017

Well/Auger Diameter: 2/10,8,6 inches
Well Screened Interval: 119 to 129 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | B105
MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Concrete		Concrete and brick surfacing.	
			80			SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15). Fill material.	
						SM (FILL)		Damp, dense, silty fine SAND with gravel, brown, no solvent or hydrocarbon odor (25-60-15).	
5				0.1		SM (FILL)		Damp, dense, silty SAND with gravel, asphalt debris, black, no solvent or hydrocarbon odor (25-60-15). Fill material.	
			100	0.0		SM (FILL)		Damp, dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (25-70-5).	
				0.1		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material.	
10				0.0	B105-10	SM (FILL)		Damp, dense, SILT with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Fill material.	
				0.0		SM (FILL)		Damp, dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-60-15). Brick.	
			100	0.0		SM-SP (FILL)		Damp, dense, medium fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	
15				0.0		SM-SP (FILL)		Damp, dense, medium fine SAND with silt and gravel, reddish brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM		Damp, dense, silty SAND with gravel, trace cobbles, brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM-SP		Damp, dense, medium fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
				0.0		SM-SP		Damp, dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-70-15).	
20				0.0	B105-20	SM		Wet, loose, silty SAND with gravel, grayish brown, no solvent or hydrocarbon odor (20-70-10).	
			100	0.0		SM		Wet, loose, silty SAND with gravel, grayish brown, no solvent or hydrocarbon odor (20-70-10).	
				0.0		SP-SM		Moist, loose, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, loose, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (10-80-10).	
25				0.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (25-60-15).	
			100	1.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (25-60-15).	
				1.1		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (35-45-20).	
30				2.7		SM		Dry, very dense, silty fine SAND with gravel, grayish brown, cohesive, no solvent or hydrocarbon odor (35-45-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B105-30	SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
			100	0.5		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
				0.1		SM		Moist, very loose, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (30-55-15).	
				1.2		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
35				0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-75-5).	
			50	0.0		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
40				0.0	B105-40	SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
				0.0		SM		Moist, very dense, silty SAND with gravel and cobbles, gray, no solvent or hydrocarbon odor (35-60-5).	
			50	2.2				No recovery.	
45									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				0.0		SM-ML		Moist, very dense, silty SAND with gravel, gray, cobbles, no solvent or hydrocarbon odor (40-40-20).	
			90	0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (20-60-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (20-60-20).	
50				0.0	B105-50	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
			50	0.3		SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
								No recovery.	
55				0.3		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
			100	0.7		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
				0.7		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	
60				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no solvent or hydrocarbon odor (35-45-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.3	B105-60	SP		Damp, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (5-90-5).	
			100	0.3		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.3		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (55-35-10).	
				0.3		ML		Dry, hard, SILT with fine sand and gravel, cohesive, very gray, no solvent or hydrocarbon odor (55-35-10).	
65				0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
			100	0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
				0.0		ML		Dry, hard, SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
				0.0		GM		Damp, very dense, silty GRAVEL with sand, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
70				0.0		GM		Damp, very dense, silty gravelly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
			--	0.0		GM		Damp, very dense, silty gravelly SAND, cohesive, dark gray, no solvent or hydrocarbon odor (35-25-40).	
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
			100	0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
				0.3		SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
				0.3	B105-80	SM		Moist, very dense, silty SAND with gravel, cohesive, grayish brown, no solvent or hydrocarbon odor (35-50-15).	
80								Bentonite plug.	
			50	0.1		SM		Damp, very dense, silty SAND with gravel, cohesive, dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.1					
85				0.0		GM		Wet, very dense, gravelly, silty SAND, gray, no solvent or hydrocarbon odor (35-30-40).	
			100	0.0		GM			
				0.0					
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-45-20).	
90									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0	B105-90	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-30-40).	
			100	0.0		GM		Wet, very dark, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-30-40).	
				0.0		SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Moist, very dense, silty medium to fine SAND and gravel, dark gray, no solvent or hydrocarbon odor (20-75-5).	
95				0.0		SP-SM		Wet, loose, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0					
				0.0					
				0.0					
				0.0					
100				0.0	B105-100	SP-SM		Wet, loose, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0).	
				0.0					
			100	0.0		SP-SM		Wet, loose, fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0					
				0.0					
105				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:

 Page: 7 of 10



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				105.5		SP-SM		Wet, loose, fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
110				0.0	B105-110	SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
			100			SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
						SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-60-30).	
115						SP-SM		Wet, loose, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			--						
120									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120			100	0.0	B105-120	SP-SM		Wet, loose, coarse to medium SAND with gravel, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-65-25).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-55-25).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (20-55-25).	
125			--			SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	
						SP-SM		Wet, very dense, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-60-30).	
						SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
						SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
130				0.0	B105-130	SP-SM		We, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			100	0.0		SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
135				0.0		SP-SM		Wet, loose, medium to coarse SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-70-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/13/12
Surface Conditions: Concrete
Well Location N/S: 36.2' south of SE corner of 700 Dexter property
Well Location E/W: 79.3' east of SE corner of 700 Dexter property
Reviewed by: CCC
Date Completed: 8/13/12

BORING LOG | **B105**
 MW105

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 21 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135			100	0.0	B105-138	SP-SM		Wet, loose, coarse to medium SAND with gravel and silt, gray no solvent or hydrocarbon odor (10-70-20).	
			0.0	SP-SM			Wet, loose, coarse to medium SAND with gravel and silt, gray, no solvent or hydrocarbon odor (10-70-20).		
			0.0	ML			Dry, hard, SILT with fine sand and gravel, brown, no solvent or hydrocarbon odor (70-20-5).		
			0.0	ML			Dry, hard, SILT with fine sand, brown, no solvent or hydrocarbon odor (70-30-0).		
140								<p>Boring terminated at 140 feet bgs, backfilled with bentonite grout from 2 feet to 128 feet depth. Two-inch-diameter well installed to a depth of 140 feet bgs, screened from 130 to 140 feet bgs, with silica sand from 128 to 140 feet bgs, bentonite seal from 118 to 128 feet bgs, bentonite grout from 2 to 118 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW105</p>	
145									
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 018

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		4"-thick asphalt surfacing. Boring hand-cleared to 5 feet bgs.	
5				0.1		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.5		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
		100		0.5		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				1.3		SM		Dry, dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
10				0.1	B106-10	SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
			100	0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
				0.1		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	
15				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-60-20).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
20				0.0	B106-20	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
			100	0.0		SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark brown, no solvent or hydrocarbon odor (25-65-10).	
25				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive gray, no solvent or hydrocarbon odor (35-55-10).	
30				0.0		SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30				0.0	B106-30	SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
			100	0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
				0.0		SP-SM		Moist, dense, fine to medium SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
35				10.4		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
			--	4.9		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				1.3		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
40				0.5	B106-40	SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SM-ML		Dry, hard, fine sandy SILT with gravel, gray cohesive, no solvent or hydrocarbon odor (50-35-15).	
			--	0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	
45				0.5		SP-SM		Damp, dense, fine to medium SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45				0.5		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
			100	0.5		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				1.3		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.1		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
50				0.5	B106-50	SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
			100	0.1		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-45-20).	
55				0.0		SM		Damp, very dense, silty SAND with gravel and cobbles, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.1		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
60				0.1		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60				0.0	B106-60	SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon (35-55-10).	
			100	0.0		SM		Moist, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-55-10).	
65				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
			100	0.0		SM		Dry, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-50-15).	
70				0.0	B106-70	SM		Damp, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-55-10).	
				0.0		SM		Damp, very dense, silty SAND with gravel, dark gray cohesive, no solvent or hydrocarbon odor (35-55-10).	
			100	0.0		ML		Damp, hard, fine sandy SILT, weak lamination, cohesive gray, no solvent or hydrocarbon odor (60-40-0).	
				0.0		ML		Dry, hard, fine sandy SILT, weak lamination, cohesive gray, no solvent or hydrocarbon odor (60-40-0).	
75				0.0					

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
			100	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Dry, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
				0.0		SM		Damp, very dense, silty SAND with gravel, cohesive dark gray, no solvent or hydrocarbon odor (35-50-15).	
80				0.0	B106-80	SM-GM		Damp, very dense, gravelly silty SAND, dark gray, no solvent or hydrocarbon odor (30-30-40).	
				0.0		SM-GM		Damp, very dense, gravelly silty SAND, dark gray, no solvent or hydrocarbon odor (30-30-40).	
			100	0.0		SM-ML		Damp, very dense, silty SAND, dark gray, no solvent or hydrocarbon odor (35-40-25).	
				0.3		SM-ML		Damp, very dense, silty SAND, dark gray, no solvent or hydrocarbon odor (35-40-25).	
85				0.0		SM		Moist, very dense, silty SAND, dark gray cohesive, no solvent or hydrocarbon odor (30-70-0).	
				0.0		SM		Moist, very dense, silty SAND, dark gray cohesive, no solvent or hydrocarbon odor (30-70-0).	
			100	0.0		SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (15-75-10).	
				0.0		SP-SM			
90				0.0		SP-SM		Moist, very dense, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (15-75-10).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90				0.0	B106-90	SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
95				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
100				0.0	B106-100	SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	
105				0.0		SP-SM		Wet, dense, medium to fine SAND with silt and gravel, dark brown, no solvent or hydrocarbon odor (10-85-5).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8.6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
			100	0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Moist, dense, coarse to medium SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-90-0).	
110				0.0	B106-110	SP-SM		Wet, dense, coarse to medum SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, coarse to medum SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medum to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP-SM		Wet, dense, medum to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
115				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-87-03).	
120				0.0		SP-SM		Wet, dense, fine to medium SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-87-03).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120			100	0.0	B106-120	SP-SM		Wet, dense, medium SAND gravel with silt, dark gray, no solvent or hydrocarbon odor (10-70-10).	
				0.0		SP-SM		Wet, dense, coarse, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-50-10).	
				0.0		SP-SM		Wet, dense, medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
125				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
				0.0		SP-SM		Wet, dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
			100	0.0		SP		Wet, dense, gravelly, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (5-60-35).	
				0.0		SP		Wet, dense, gravelly, coarse to medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (5-60-35).	
130				0.0	B106-130	GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
				0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
				0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
				0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	
135				0.0		GM		Wet, dense, silty sandy GRAVEL, dark gray, no solvent or hydrocarbon odor (25-25-50).	

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter Property
Project Number: 0797-001
Logged by: RAH
Date Started: 8/14/12
Surface Conditions: Concrete
Well Location N/S: 84.7' south of SE corner of 700 Dexter
Well Location E/W: 112' west of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 08/16/12

BORING LOG | **B106**
 MW106

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
135					B106-140	SP-SM		Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).	
				SP-SM			Wet, dense, medium to fine SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
				SP-SM			Wet, dense, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
140				SP-SM			Wet, dense, medium SAND with gravel and silt, dark gray, no solvent or hydrocarbon odor (10-80-10).		
140								Boring terminated at 140 feet bgs, backfilled with bentonite grout from 2 feet to 118 feet depth. Two-inch diameter well installed to a depth of 140 feet bgs, screened from 130 to 140 feet bgs, with silica sand from 128 to 140 feet bgs, bentonite seal from 118 to 128 feet bgs, bentonite grout from 2 to 118 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW106	
145									
150									

Drilling Co./Driller: Major Drilling/Dan
Drilling Equipment: LAR Sonic
Sampler Type: Core Barrel
Hammer Type/Weight: -- lbs
Total Boring Depth: 140 feet bgs
Total Well Depth: 140 feet bgs
State Well ID No.: BCK 019

Well/Auger Diameter: 2/8,6 inches
Well Screened Interval: 130 to 140 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Colorado Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite grout
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" Concrete surfacing.	
5	2 1 1		20	1.5	B107-05	SP-SM (FILL)		Damp, very loose, medium to fine SAND with gravel and fill debris, brown, no solvent or hydrocarbon odor (10-80-10) (FILL).	
10	35 8 7		100	0.0		MH		Damp, stiff, SILT with fine sand and gravel, light brown, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	7	7	100	1.5	B107-15	MH		Moist, stiff, SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (60-30-10).	
	7					SM-MH		Damp, medium dense, silty SAND with gravel, wood waste, and rootlets, slightly plastic, shoreline sediments, dark brown, no solvent or hydrocarbon odor (45-45-10).	
	7								
20	10	10	100	2.0		SM		Damp, medium dense, silty fine to medium SAND, gray, no solvent or hydrocarbon odor (35-65-0).	
	10								
	15								
25	7	7	100	3.6	B107-25	SP-SM		Wet, medium dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (15-75-10).	
	8								
	9								
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	20-25		90	22.0		SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
35	50/6"		33	82.1	B107-35	SM		Wet, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
40	50/6"		33	20.2		SM		Wet, very dense, silty medium to fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (25-65-10).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/03/12
Surface Conditions: Concrete
Well Location N/S: 89' N of SE corner of 700 Dexter
Well Location E/W: 7.5' E of SE corner of 700 Dexter
Reviewed by: CCC
Date Completed: 12/03/12

BORING LOG | **B107**
 MW107

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17.35 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6"	33	2.5	B107-45	SM		Damp, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (30-65-5). Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 40 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW107.	
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 773

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | **B108**
 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
								Cleared borehole with a vector truck to a depth of 9 feet below ground surface.	
10	5 6 8		50	3.4		SM (FILL)		Damp, medium dense, silty SAND with Fill debris, black, no solvent or hydrocarbon odor. (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **1 of 4**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | **B108**
 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3-5		60	2.1	B108-15	SM		Wet, loose, silty SAND with gravel and wood waste, dark gray, no solvent or hydrocarbon odor (35-55-10) (FILL).	
20	4-5		80	0.3		SM		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
25	7-9		80	0.3	B108-25	SM-ML		Moist, medium dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | **B108**
 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12-14-17		100	0.0		SM		Wet, dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0). Lacostrine sediments.	
	17-20-23		100	0.3		SM		Wet, dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-60-0). Lacostrine sediments.	
35	50/6"		100	0.0	B108-35	MH		Wet, very dense, SILT with fine sand, plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	20-50/6"		90	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
40	16-50/6"		50	0.9		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	50/6"		40	0.3		SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/14/12
Surface Conditions: concrete
Well Location N/S: 10.8' S of NW corner Seattle Ducati building
Well Location E/W: 14' W of NW corner of Seattle Ducati building
Reviewed by: CCC
Date Completed: 12/14/12

BORING LOG | **B108**
 MW108

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	50	50	0.0	B108-45	SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
	50/6"	50	50	0.0		SM		Wet, very dense, silty SAND, brown, no solvent or hydrocarbon odor (40-60-0).	
50	50/6"	50	50	0.0	B108-50	SM		Damp, very dense, silty SAND, cohesive, brown, no solvent or hydrocarbon odor (40-60-0).	
								Boring terminated at 50.5 feet bgs. Two-inch-diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW108.	
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA LAR
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BHS765

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" concrete surfacing.	
5	2 2 3		100	0.0	B109-05	SM (FILL)		Moist, loose, silty SAND with gravel, fill material, gray, no solvent or hydrocarbon odor (30-60-10) (FILL).	
10	1 1 1		100	0.0		SM (FILL)		Moist, very loose, silty SAND with gravel, gray to black, slight hydrocarbon odor (30-60-10) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

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Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | B109
MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2-3	3	100	6.9	B109-15	SM		Moist, loose, silty medium to fine SAND with gravel, gray, moderate hydrocarbon odor (20-75-5).	
20	2-3	3	100	0.5		SM		Wet, loose, silty SAND with gravel, gray, sheen on sample, no solvent or hydrocarbon odor (30-55-15).	
25	3-5	3	100	0.0	B109-25	SM		Wet, loose, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | B109 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	4-5	5	100	0.0		MH		Damp, loose, organic sandy SILT with plant material, dark brown, no solvent or hydrocarbon odor (60-40-0).	
	20-50/6"	20	100	0.5		SM		Damp, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
35	7-9	20	100	0.0	B109-35	SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	15-50/6"	15	60	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
40	50/6"	50/6"	30	0.0		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	14-50/6"	14	60	30.8		SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 138.5' N of SE corner of Seattle City Light Building
Well Location E/W: 7.0' E of SE corner of Seattle City Light Building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B109**
 MW109

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	30	34.3	B109-45	SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW109.		
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS 771

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								5" Concrete surfacing.	
5	2 2 2		80	1.6	B110-05	SM (FILL)		Damp, very loose, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (25-70-5) (FILL).	
10	3 3 3		90	0.5		SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-65-10) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 5 5		100	0.0	B110-15	SM (FILL)		Damp, loose, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (25-70-5) (FILL).	
20	9 10 11		90	3.3		SM (FILL)		Damp, medium dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10) (FILL).	
25	7 9 10		100	1.1	B110-25	SM-ML		Wet, very stiff, fine sandy SILT with gravel, wood waste, and plant material, no solvent or hydrocarbon odor (45-40-15) (FILL).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	8-12-15		100	0.5		SP-SM		Wet, medium dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
	12-15-15		100	1.1		SP-SM SM		Wet, medium dense, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Wet, medium dense, silty medium to fine SAND, brown, no solvent or hydrocarbon odor (25-75-0).	
35	50/6"		30	9.9	B110-35	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10).	
	50/6"		30	0.5		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10).	
40	50/6"		30	1.1		ML		Damp, hard, silt with fine SAND and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (60-35-5).	
	50/6"		30	1.1		SM-ML		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/04/12
Surface Conditions: Concrete
Well Location N/S: 10.9' N of SE corner of Seattle City Light building
Well Location E/W: 7.6' E of SE corner of Seattle City Light building
Reviewed by: CCC
Date Completed: 12/04/12

BORING LOG | **B110**
 MW110

Site Address: 700 Dexter Avenue
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 20.24 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	30	1.1	B110-45	SM		<p>Damp, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-55-10).</p> <p>Boring terminated at 45.5 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW110.</p>		
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS772

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete surfacing.	
5	1 2 3		90	0.8		SM (FILL)		Moist, loose, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-15) (FILL).	
10	1 1 1		80	0.2	B111-10	SM (FILL)		Damp, very loose, silty medium to fine SAND with gravel, wood waste, dark brown, no solvent or hydrocarbon odor (25-60-15) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3-4	3	100	1.8		SM		Damp, loose, silty fine to medium SAND, gray, slight hydrocarbon odor (40-60-0).	
20	4-4	4	100	1.3	B111-20	SM-ML		Wet, medium stiff, fine sandy SILT, slightly plastic, gray, no solvent or hydrocarbon odor (55-45-0).	
25	4-7	4	100	0.8		SM		Wet, medium dense, silty medium to fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | B111
MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7-10	10			B111-30	SP-SM		Wet, medium dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (15-80-5).	
	11-13	60	0.2			SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (15-85-0).	
35	6-7	80	1.8			SP-SM		Wet, medium dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	7-50/6"	80	17.0		B111-38	SP-SM		Wet, very dense, fine to coarse SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-85-5).	
40	50/6"	100	3.5			SP-SM		Wet, very dense, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Heaving sands.	
	12-14		57.8			SP-SM		Wet, medium dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
	14-16					SM		Damp, medium dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (25-70-5).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	20 50/6"	60	32.8			SP-SM		Wet, very dense, fine to medium SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
	25 50/6"	60	36.0			SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
50	50/6"	30	8.9	B111-50		ML		Damp, hard, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
55	50/6"	30	8.4			ML		Damp, hard, SILT with sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6"	30	0.8	B111-60	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (25-25-50).		
65	50/6"	30	0.2		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-25-45).		
70	50/6"	30	2.9	B111-70	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).		
	50/6"	30	0.2		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).		
75									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/05/12
Surface Conditions: Concrete
Well Location N/S: 92.5' N of SE corner of SCL building
Well Location E/W: 7.5' E of SE corner of SCL building
Reviewed by: CCC
Date Completed: 12/05/12

BORING LOG | **B111**
 MW111

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	50/5"		100	1.9		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
	50/6"		100	0.4		GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
80	50/6"		30	3.5	B111-80	GM		Wet, very dense, silty sandy GRAVEL, gray, no solvent or hydrocarbon odor (30-20-50).	
								Boring terminated at 80.5 feet bgs. Two-inch-diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW111.	
85									
90									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS770

Well/Auger Diameter: 2/8.25/10.25 inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite chips
Monument Type: Flush mount

Notes/Comments:
 Conductor casing set at 50 feet bgs.



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								<p>Asphalt/concrete at the surface.</p> <p>Borehole cleared to a depth of 9 feet bgs with a vactor truck.</p>	
10	0 1 1		100	1.4	B112-10	SM-ML (FILL)		<p>Damp, soft, fine sandy SILT with gravel and rootlets, brown, no solvent or hydrocarbon odor (40-40-20) (FILL).</p>	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	30 50/5"	100	1.7			SM		Damp, very dense, silty SAND with gravel, reddish brown, no solvent or hydrocarbon odor (25-55-20).	
20	50/6"	20	4.6	B112-20	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).		
25	50/6"	100	2.8		SP-SM		Wet, very dense, medium to fine SAND with silt, reddish brown, no solvent or hydrocarbon odor (15-85-0).		
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6"	60		3.4	B112-30	SM		Dry, very dense, silty fine SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-55-15).	
35	50/6"	30		1.7		SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
40	50/6"	100		0.0	B112-40	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-15).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **3 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | B112 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	30		0.8		SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (30-50-20).	
50	50/5"	50		2.3	B112-50	SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-40-20).	
	50/5"	50		2.3		SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
55	50/6"	50		2.8		SP-SM SM		Moist, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0). Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
	50/3"	30		2.3		SM-ML		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-45-5).	
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: **4 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | B112 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6"	50	50	1.7	B112-60	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
65	50/6"	50	50	1.7		SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5).	
70	50/6"	50	50	1.7	B112-70	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
75									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: **5 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/11/12
Surface Conditions: Asphalt/Concrete
Well Location N/S: 105.5' N of SE corner of building
Well Location E/W: 15' E of SE corner of building
Reviewed by: CCC
Date Completed: 12/11/12

BORING LOG | **B112**
 MW112

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	50/8"	50	50	0.5	B112-75	SM-ML SP-SM		Wet, very dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (45-50-5). Wet, very dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
80	50/4"	30	0.5	B112-80	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
85	50/6"	30	0.0	B112-85	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
90								Boring terminated at 85.5 feet bgs. Two-inch-diameter well installed to a depth of 85 feet bgs, screened from 75 to 85 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW112.	

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 85.5 feet bgs
Total Well Depth: 85 feet bgs
State Well ID No.: BHS767

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 75 to 85 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5 feet thick at surface.	
5								Cleared borehole with a vector truck to a depth of 9 feet below ground surface.	
10	12	12	100	44.8	B113-10	SM		Dry, medium dense, silty medium to fine SAND with gravel, light brown, no solvent or hydrocarbon odor (15-70-15).	
15									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | B113
MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	15-16	22	100	63.7		SM		Damp, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (25-65-10).	
20	20-22	8	100	5.2	B113-20	SP-SM		Wet, medium dense, medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (10-75-15).	
25	25-27	8	100	1.5		SM		Wet, medium dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-60-15).	
30									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: **2 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12	100	0.3	B113-30	SM-ML		Wet, medium dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10). Lacostrine sediments.		
35	13	100	0.3		SM-ML		Wet, medium dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (45-50-5). Lacostrine sediments.		
40	9	100	0.0	B113-40	ML		Damp, medium dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (80-20-0).		
45									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **3 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11-17	11	100	2.1		SP-SM		Wet, dense, medium to fine SAND with trace gravel, gray no solvent or hydrocarbon odor (10-85-5).	
50	14-23	14	100	0.3	B113-50	SP-SM		Wet, dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
55	20-22	20	100	0.9		SP		Wet, dense, medium to fine SAND with trace silt, gray, no solvent or hydrocarbon odor (5-95-0).	
60									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:

 Page: | **4 of 6**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60			0					No recovery. Driller reports sandy material.	
65			0				No recovery. Driller reports sandy material.		
70			0				No recovery.		
75									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: -
Well Location E/W: -
Reviewed by: CCC
Date Completed: 12/17/12

BORING LOG | **B113**
 MW113

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75			0					No recovery. Driller reports sand.	
80			0				No recovery. Driller reports sand.		
85							Boring terminated at 80 feet below ground surface. Two-inch-diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW113.		
90									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BHS764

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 70-80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0									
5	2 2 3		50	0.8		SP-SM (FILL)		Damp, loose, medium to fine SAND with gravel and silt, brown, no solvent or hydrocarbon odor (10-75-15). Fill material.	
10									
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	50/5"		100	0.0	B114-15	SM		Dry, very dense, silty fine SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
20	50/6"		100	0.0		SM		Dry, very dense, silty fine SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).	
25	50/6"		100	0.8	B114-25	SM		Dry, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6"		100	0.2		SP-SM		Wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
35	50/6"		100	42.8	B114-35	SM		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
	50/6"		100	40.2		SM		Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).	
40	50/6"		100	0.8	B114-40	SM-SP		Wet, very dense, medium to fine SAND with silt, light gray, no solvent or hydrocarbon odor (15-85-0).	
	50/2"		100	0.2		SM-ML		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/10/12
Surface Conditions: Gravel
Well Location N/S: 145.4' S of SE corner OF 700 Dexter bldg.
Well Location E/W: 75' W of SE corner OF 700 Dexter bldg.
Reviewed by: CCC
Date Completed: 12/10/12

BORING LOG | **B114**
 MW114

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 30 feet bgs
Water Depth After Completion 17.05 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/3"	100	1.3	B114-45	SM-ML		<p>Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-45-15).</p> <p>Boring terminated at 45.5 feet below ground surface. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW114.</p>		
50									
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS768

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35 to 45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5 feet thick at surface.	
								Boring cleared with a vactor truck to a depth of 9 feet below ground surface.	
10	3 7 7		80	1.4	B115-10	SM (FILL)		Damp, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-55-15) (FILL).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | B115
MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	15	60	0.8	B115-15	SM (FILL)		Moist, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-55-15) (FILL).		
20	7 5 3	100	0.8		SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (15-70-15) (FILL).		
25	5 5 6	100	0.2	B115-25	SM (FILL)		Wet, loose, silty SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10) (FILL).		
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7-10	10	100	0.8		SM		Wet, medium dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0).	
	7-9	7	100	0.2		ML		Wet, medium dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (80-20-0). Lacostrine deposits.	
35	3-3	3	100	0.8	B115-35	MH		Wet, medium dense, SILT with fine sand, plastic, gray, no solvent or hydrocarbon odor (80-20-0). Lacostrine deposits.	
	4-4	4	100	0.2		MH		Wet, medium dense, SILT with fine sand and trace gravel, plastic, gray, no solvent or hydrocarbon odor (80-15-5). Lacostrine deposits.	
	10-15	10							
40	12-13	12	80	0.8		SM		Wet, medium dense, silty fine SAND, gray, no solvent or hydrocarbon odor (40-60-0).	
	13-15	15							
	12-13	12	100	0.8		SP-SM		Wet, medium dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).	
	13-15	15							
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/13/12
Surface Conditions: Concrete
Well Location N/S: 25.6' N of SE corner of building on 9th and Roy
Well Location E/W: 18.6' E of SE corner of building on 9th and Roy
Reviewed by: CCC
Date Completed: 12/13/12

BORING LOG | **B115**
 MW115

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	23 50/6"	100	0.8	B115-45	SP-SM		Wet, very dense, medium to fine SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0).		
50							<p>Boring terminated at 46 feet bgs. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW115.</p>		
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS766

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 1.5' thick at surface.	
5								Borehole cleared to a depth of 9 feet bgs with a vactor truck.	
10	2 1 1		100	0.5		SM (FILL)		Damp, very loose, silty SAND with trace gravel, light brown, no solvent or hydrocarbon odor (40-55-5).	
15									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 1 1		100	0.0	B116-15	SM (FILL)		Wet, very loose, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-55-10) (FILL).	
20	4 3 4		100	0.5		SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and gravel, dark gray, no solvent or hydrocarbon odor (10-80-10) (FILL).	
25	2 4 3		100	1.1	B116-25	SP-SM (FILL)		Wet, loose, medium to fine SAND with silt and trace gravel, dark gray, no solvent or hydrocarbon odor (15-80-5) (FILL).	
30									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12-15		100	0.5		SP-SM		Wet, medium dense, medium to fine SAND and silt and trace gravel, dark gray, no solvent or hydrocarbon odor (10-85-5).	
	14-15					ML		Damp, medium dense, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
	23-50/6"		100	1.1		SM-ML		Moist, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
35	12-23		100	0.5	B116-35	ML		Moist, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	30-50/6"		100	1.1		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
40	17-50/6"		100	0.5		ML		Wet, very dense, SILT with fine sand, slightly plastic, gray, no solvent or hydrocarbon odor (80-20-0).	
	17-50/6"		60	1.1		SM-ML		Wet, very dense, SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
45									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/7/12
Surface Conditions: Concrete
Well Location N/S: 18' E of SE corner of restaurant on 9th and Roy
Well Location E/W: 106' N of SE corner of restaurant on 9th and Roy
Reviewed by: CCC
Date Completed: 12/7/12

BORING LOG | **B116**
 MW116

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	17 12 14		100		B116-45	MH		Wet, medium dense, SILT with fine sand, plastic, dark gray, no solvent or hydrocarbon odor (90-10-0).	
50								Boring terminated at 46.5 feet below ground surface. Two-inch-diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW116.	
55									
60									

Drilling Co./Driller: Cascade/Curtis
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BHS769

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt 6" thick. Boring cleared with a vector truck to a depth of 8' below ground surface (bgs).	
10	50/4"	10	0.0	B117-10	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-55-15).		

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	50/5"	33	0.0	B117-15	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-65-10).		
20	50/5"	33	0.0	B117-20	SP-SM		Damp, very dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (15-75-10).		
25	50/5"	30	0.0	B117-25	SM		Damp, very dense, silty SAND with gravel, cohesive, light brown, no solvent or hydrocarbon odor (40-50-10).		
30									

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/5"	30	0.0	B117-30	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-60-15).		
35	50/5"	30	0.0	B117-35	SM		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).		
40	50/6"	100	0.0	B117-40	SP-SM		Wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).		
45									

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 02/04/13
Surface Conditions: Asphalt
Well Location N/S: 96' south of power pole at SE corner of the intersection of Roy and Dexter
Well Location E/W: 12.6' west of power pole at SE corner of the intersection of Roy and Dexter
Reviewed by: CCC
Date Completed: 02/04/13

BORING LOG | **B117**
 MW117

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 40 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6"	100	0.0	B117-45	SP-SM		Wet, very dense, medium to fine sand with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).		
50	50/5"	30	0.0	B117-50	SM-ML		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (45-45-10).		
55	50/5"	20	0.0	B117-55	SM ML		Damp, very dense, silty SAND, gray, no solvent or hydrocarbon odor (20-80-0). Damp, very dense, SILT with fine sand, no solvent or hydrocarbon odor (55-45-0).		
60							Boring terminated at 55.5 feet below ground surface. A two-inch diameter well was installed to a depth of 55 feet bgs, screened from 40 to 55 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW117.		

Drilling Co./Driller: Cascade Drilling Co./Curtis
Drilling Equipment: HSA LAR
Sampler Type: Split-spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 55 feet bgs
State Well ID No.: BHS 885

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 40 to 55 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								3 inches of asphalt.	
5	10 15 25		100			SM		Moist, dense, silty fine SAND with medium-large gravel, brown, no solvent or hydrocarbon odor (30-55-15).	
10	32 50/6		100	0.1	B118-10	SM		Moist, very dense, silty fine SAND with gravel, increasing silt with depth, brown, no solvent or hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	26 50/5	150	0.0			SM ML		Moist, very dense, silty fine SAND with some gravel, brown, no solvent or hydrocarbon odor (25-65-10). Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (80-20-0).	
20	50/6	125	0.0		B118-20	ML SP-SM SM-ML		Moist, hard, fine sandy SILT, gray, no solvent or hydrocarbon odor (80-20-0). Moist to wet, very dense, fine to medium SAND with trace gravel and trace silt, no solvent or hydrocarbon odor (10-85-5). Moist, very dense, fine sandy SILT, gray-brown, no solvent or hydrocarbon odor (60-40-0).	
25	50/6	125	0.1			SM		Moist, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
30									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6	125	3.0	B118-30	SM		Moist to wet, very dense, silty fine to medium SAND with lenses of cleaner medium sand, gray, no solvent or hydrocarbon odor (25-75-0).		
35	50/6	150	2.4		SM		Wet, very dense, silty fine to medium SAND with trace fine gravel, gray, no solvent or hydrocarbon odor (20-75-5).		
40	50/6	150		B118-40	SM SM-ML		Wet, very dense, silty fine to medium SAND with trace fine gravel, gray, no solvent or hydrocarbon odor (20-75-5). Moist, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (45-55-0).		
45									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Asphalt
Well Location N/S: On S property line of vacant lot in sidewalk
Well Location E/W: On Mercer St, 76' E of NE corner of intersection with Dexter Ave N
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B118**
 MW118

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/5	125	6.0			SM		Moist to wet, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (35-65-0). Lenses of silty SAND present within sample (30-70-0).	
50	50/5	125	1.2	B118-50	SM		Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
55	50/5	125			SM		Moist, very dense, silty fine SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
60							Boring terminated at 55.5 feet below ground surface (bgs). Boring was backfilled with bentonite chips to 50 feet bgs. Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW118.		

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BIC 079

Well/Auger Diameter: 2 inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete cored prior to drilling. Concrete 4 inches thick.	
5	20 18 20		100			SM (FILL)		Moist, dense, silty, gravelly, fine to medium SAND, brown, no solvent or hydrocarbon odor (15-70-15).	
10	4 3 3		100	0.9	B119-10	SM (FILL) ML (FILL)		Moist to wet, loose, gravelly, silty, fine to medium SAND with some coarse sand, gray-brown, no solvent or hydrocarbon odor (15-65-20). Moist, soft, fine sandy SILT with gravel, dark brown, black staining, wood debris, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	16 29 33		100	0.9		SM-ML		Wet, very dense, silty fine SAND with trace gravel, blue-gray, no solvent or hydrocarbon odor (45-50-5).	
20	10 7 10		30	0.9	B119-20	SM		Wet, medium dense, silty fine SAND, organics, wood debris, glass shards, gray, no solvent or hydrocarbon odor (40-60-0).	
25	10 10 10		100	0.7		SM ML		Wet, medium dense, silty fine SAND, organics, wood debris, glass shards, dark brown, no solvent or hydrocarbon odor (35-50-15). Moist, stiff, SILT with fine sand, blue-gray, no solvent or hydrocarbon odor (90-10-0).	
30									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	30	50/6	150	0.1	B119-30	SP-SM		Moist, very dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).	
35	13 15 15	100	0.9		SP-SM		Moist to wet, medium dense, fine SAND with silt, gray, no solvent or hydrocarbon odor (15-85-0).		
40	13 15 15	100	0.9	B119-40	SP-SM		Wet, medium dense, fine SAND with some silt, brown, no solvent or hydrocarbon odor (10-90-0).		
45									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: EBF
Date Started: 03/21/13
Surface Conditions: Concrete
Well Location N/S: SW corner of intersection of Broad St and 9th Ave N
Well Location E/W:
Reviewed by: CCC
Date Completed: 03/21/13

BORING LOG | **B119**
 MW119

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 10 feet bgs
Water Depth After Completion feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X 50/6	28	125	1.0		SP		Wet, very dense, fine to medium SAND with trace silt, gray to brown, no solvent or hydrocarbon odor (5-95-0).	
50								Boring terminated at 46 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 45 feet bgs, screened from 35 to 45 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW119.	
55									
60									

Drilling Co./Driller: Cascade Drilling/ James
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 46 feet bgs
Total Well Depth: 45 feet bgs
State Well ID No.: BIC 080

Well/Auger Diameter: 2 inches
Well Screened Interval: 35-45 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10"-thick.	
5	13 15 17		100	0.0		SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15).	
10	10 11 15		100	0.0	B120-10	SM		Damp, loose, silty SAND with gravel, brown with gray spots, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 6 7		100	0.4		SM		Wet to moist, loose, silty SAND, trace gravel, gray, no hydrocarbon odor (35-60-5).	
20	2 3 5		20	0.0	B120-20	ML		Wet, loose, silty with fine SAND and trace gravel, gray, no hydrocarbon odor (60-35-5).	
25	16 16 19		0					Driller reports very dense at 24' bgs. No recovery.	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	33	0.0	B120-30	SP		Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5).	
35		50/6	100	0.0		GP		Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70).	
						SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
40		50/6	0				No recovery.		
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6	33	0.0	B120-45	ML		Wet, very dense, silt with fine SAND and gravel, gray, no hydrocarbon odor with wood ash (60-35-5).	
50	X	50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
55								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW120.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10"-thick.	
5	13 15 17		100	0.0		SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-55-15).	
10	10 11 15		100	0.0	B120-10	SM		Damp, loose, silty SAND with gravel, brown with gray spots, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 6 7		100	0.4		SM		Wet to moist, loose, silty SAND, trace gravel, gray, no hydrocarbon odor (35-60-5).	
20	2 3 5		20	0.0	B120-20	ML		Wet, loose, silty with fine SAND and trace gravel, gray, no hydrocarbon odor (60-35-5).	
25	16 16 19		0					Driller reports very dense at 24' bgs. No recovery.	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	33	0.0	B120-30	SP		Wet, very dense, fine to medium SAND with trace silty and gravel, no hydrocarbon odor (10-85-5).	
35		50/6	100	0.0		GP		Wet, very dense, fine GRAVEL with sand and silt, brown, no hydrocarbon odor (10-20-70).	
						SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
40		50/6	0				No recovery.		
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 38' N of NW corner of city light building
Well Location E/W: 16.2' E of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | **B120**
 MW120

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	33	0.0	B120-45	ML		Wet, very dense, silt with fine SAND and gravel, gray, no hydrocarbon odor with wood ash (60-35-5).	
50		50/6	33	0.0	B120-50	ML		Wet, very dense, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
55								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW120.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 015

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 40-50 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 128' S of NW corner of city light building
Well Location E/W: 18' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | B121

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete cored prior to drilling. Concrete 4 inches thick.	
5	8 16 20		100	0.0	B121-05	SM		Damp, medium dense, silty SAND with gravel, brown, (30-60-10) (FILL).	
10	6 7 8		100	0.0		SM		Damp, loose, silty SAND with gravel and miscellaneous debris, black, no hydrocarbon odor (FILL).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 26.5 feet bgs
Total Well Depth: 25 feet bgs
State Well ID No.: BID 016

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/16/13
Surface Conditions: Concrete
Well Location N/S: 128' S of NW corner of city light building
Well Location E/W: 18' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/16/13

BORING LOG | B121

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 2 1		100	0.0	B121-15	ML		Wet, loose, SILT with sand and gravel, gray, wood ash, no hydrocarbon odor (50-40-10).	
20	0 2 4		100	0.0		ML		Wet, dense, SILT with sand and gravel, gray, no hydrocarbon odor (possible lake sediments) (50-40-10).	
25	1 1 3		100	0.0	B121-25	ML		Moist, loose, SILT with fine sand and organics, gray, no hydrocarbon odor (70-30-0).	
30								Boring terminated at 26.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 25 feet bgs, screened from 15 to 25 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW121.	

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 26.5 feet bgs
Total Well Depth: 25 feet bgs
State Well ID No.: BID 016

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 8 inches thick.	
5								Cleared with vent truck????	
10		8 8 8	100	2.5	B122-10	ML		Damp, loose, SILT with sand and gravel and brick debris, dark gray to black, moderate hydrocarbon odor (50-40-10) (FILL).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 6 8		100	4.0	B122-15	SM		Moist to wet, silty SAND with gravel, gray, slight hydrocarbon odor (40-50-10).	
20	3 5 9		100	0.0	B122-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (40-50-10).	
25	5 8 10		80	0.0	B122-25-20131217 B122-25	SP		Wet, loose, medium to fine SAND with silt and gravel, gray, slight hydrocarbon odor (10-85-5).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	17 50/6	100	0.0	B122-30	ML		Damp, very dense, SILT with fine sand, gray, no hydrocarbon odor (60-40-0).		
35	14 50/6	100	0.0	B122-35	ML		Moist to wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (55-45-0).		
40	19 50/6	100	0.0	B122-40-20131217 B122-40	ML		Wet, very dense, SILT with fine sand, gray, no hydrocarbon odor (60-40-0).		
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	100	0.0	B122-45	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
50		50/6	100	0.0	B122-50	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (65-30-5).	
55		50/6	100	0.0		SM		Damp to moist, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (45-40-15). Sample is warm to the touch.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6	100	0.0	B122-60	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).		
65	50/6	70	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).		
70	50/6	90	0.0	B122-70	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-45-15).		
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	80	0.0		SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
80		50/6	100	0.0	B122-80	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
85		50/6	100	0.0	B122-85-20131217	SP		Driller reports change in drilling conditions. Easier conditions. Wet, very dense, medium to fine SAND with silt and gravel, gray, no hydrocarbon odor (10-80-10).	
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90								Lost sampler.	
95								Had to overdrill sampler.	
100		50/6	100	0.0	B122-100	SP		Wet, very dense, coarse to medium SAND and silt with gravel, gray, no hydrocarbon odor (5-8-15). Heaving conditions. Sampler stuck in Auger, sand locked. Boring advanced to 115 and set well without collecting soil samples.	
105									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/17/12
Surface Conditions: Concrete
Well Location N/S: 35.8' N of NE corner of city light building
Well Location E/W: 5' E of NE corner of city light building
Reviewed by: CCC
Date Completed: 12/17/13

BORING LOG | **B122**
 MW122

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105								Heaving conditions. Sampler stuck in Auger, sand locked. Boring advanced to 115 and set well without collecting soil samples.	
110									
115								Boring terminated at 115 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 115 feet bgs, screened from 105 to 115 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW122.	
120									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: LAR HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 115 feet bgs
Total Well Depth: 115 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 105-115 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10 inches thick.	
								Boring vac cleared to 10' bgs	
10	2 2 3		100	0.5	B123-10	ML		Damp, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 4 6		100	0.0		ML		Damp, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (50-35-5).	
20	2 3 3		100	0.0	B123-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (40-55-5).	
25	6 7 7		100	0.0		ML		Wet, loose, SILT with fine sand and gravel, gray, no hydrocarbon odor (60-35-5).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | B123 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	0					No recovery. Drilling on loose rock.	
35								No sample.	
40								Through rock. Hammer threads damaged, cannot collect soil samples for the rest of the borin.	
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
50						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
55						SM		Cuttings indicate wet silty SAND, gray, no hydrocarbon odor.	
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:

 Page: | **4 of 6**



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60						SM		Driller reports SAND from 70 to 80 feet bgs.	
65					SM				
70					SM				
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/18/12
Surface Conditions: Concrete
Well Location N/S: 49.5' S of northern-most point of building
Well Location E/W: 14.2' E of E wall of building
Reviewed by: CCC
Date Completed: 12/18/13

BORING LOG | **B123**
 MW123

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75	X					SM	X	Driller reports SAND from 70 to 80 feet bgs.	X
80								Boring terminated at 80 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 80 feet bgs, screened from 70 to 80 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW123.	
85									
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BID 018

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 70 to 80 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | B124
MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 8 inches thick.	
10	10-11	10	90	0.0	B124-10	GP		Damp, loose, gravelly SAND with silt, brown, no hydrocarbon odor (10-30-60).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 4 3		100	0.0	B124-15	ML		Damp, loose, SILT with fine sand and gravel, dark brown, no hydrocarbon odor (55-40-5).	
20	4 6 8		100	0.0	B124-20	ML		Moist, loose, SILT with fine sand and gravel, dark brown, no hydrocarbon odor (55-40-5).	
25	6 10 15		100	0.0	B124-25	SM		Wet, loose, silty SAND with gravel, brown, no hydrocarbon odor (25-65-10).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	10-16-17		100	0.0	B124-30	SP		Damp, dense, medium to fine SAND with gravel and silt, reddish brown, no hydrocarbon odor (10-80-10).	
35	11-11-13		100	0.0	B124-35	SM ML SP	 	Moist, loose, silty SAND with gravel, brown no hydrocarbon odor (35-60-5). Damp, loose, SILT with fine sand, brown, no hydrocarbon odor (55-45-0). Damp, loose, medium to fine SAND with silt and gravel, brown, no hydrocarbon odor (10-80-10).	
40	20-23-26		100	0.0	B124-40	SM		Wet, dense, silty SAND with gravel, brown, no hydrocarbon odor (20-70-10).	
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/4	100	0.0	B124-45_20131219 B124-45	SP		Wet, very dense, SAND with silt and gravel, brown, no hydrocarbon odor (10-80-10).		
50	50/6	100	0.0	B124-50	GP		Wet, very dense, gravelly SAND with silt, gray, no hydrocarbon odor (10-40-50).		
55	50/6	35	0.0	B124-55	SM		Wet, very dense, silty SAND with gravel, cohesive gray, no hydrocarbon odor (45-40-15).		
60									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	50/6	100	0.0	B124-60_20131219 B124-60	SP		Wet, very dense, medium to fine SAND with silt and trace gravel, gray, no hydrocarbon odor (10-85-5).		
65	50/6	100	0.0	B124-65	SM		Moist to wet, very dense, silty SAND and gravel, gray, cohesive, no hydrocarbon odor (20-65-15).		
70	50/6	100	0.0	B124-70	SM		Wet, very dense, silty SAND with trace gravel, gray, no hydrocarbon odor (30-60-10).		
75									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	100	0.0	B124-75	ML		Damp, very dense, SILT with fine sand, bray, cohesive, no hydrocarbon odor (75-25-0).	
80		50/6	66	0.0	B124-80	ML		Damp, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (50-50-0).	
85		50/6	66	0.0	B124-85	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (30-55-15).	
90									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:

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Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | B124 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90		50/6	60	0.0	B124-90	ML		Damp, very dense, SILT with fine sand, gray, cohesive, no hydrocarbon odor (80-20-0).	
95		50/6	100	0.0	B124-95	ML		Damp, very dense, SILT with fine sand and trace gravel, gray, cohesive, no hydrocarbon odor (50-45-5).	
100		50/6	100	0.0	B124-100	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
105									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
105		50/6	100	0.0	B124-105	SP		Wet, very dense, medium to fine SAND with gravel, dark gray, no hydrocarbon odor (10-90-0).	
110		50/6	33	0.0	B124-110	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
115		50/6	100	0.0	B124-115	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
120									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/19/13
Surface Conditions: Concrete
Well Location N/S: 8.5' N of NW corner of building
Well Location E/W: 13' E of NW corner of building
Reviewed by: CCC
Date Completed: 12/19/13

BORING LOG | **B124**
 MW124

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
120		50/6	100	0.0	B124-120	SP		Wet, very dense, medium to fine SAND with silt, dark gray, no hydrocarbon odor (10-90-0).	
125								Boring terminated at 120.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 120 feet bgs, screened from 110 to 120 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW124.	
130									
135									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 120.5 feet bgs
Total Well Depth: 120 feet bgs
State Well ID No.:

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 110 to 120 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10 inches thick.	
5	8 9 10		100	0.2	B125-05	SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (35-45-20).	
10	5 7 8		90	0.2	B125-10	SM		Damp, loose, silty SAND with gravel, brown, no hydrocarbon odor (30-50-20).	
15									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	6 7 7		100	0.0	B125-15	ML		Damp to moist, loose, SILT with fine sand, greenish gray, no hydrocarbon odor (80-20-0).	
20	2 4 6		100	0.2	B125-20	SM		Wet, loose, silty SAND with gravel, gray, no hydrocarbon odor (30-65-5).	
25	50/6		100	0.0	B125-25	ML		Damp, very dense. SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50-40-10).	
30									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/20/13
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: CCC
Date Completed: 12/20/13

BORING LOG | **B125**
 MW125

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	8 9 9		100	0.0	B125-30	ML		Damp, loose, SILT with fine sand, brown, no hydrocarbon odor, plastic (80-20-0).	
35								Boring terminated at 31.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 30 feet bgs, screened from 15 to 30 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW125.	
40									
45									

Drilling Co./Driller: Cascade Drilling/ David
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BID 020

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Cement
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 10" thick	
5								Clear boring with vector truck to depth of approximately 10 feet bgs.	
10	10 16 17		100	400	B126-10	SM		Damp, dense, silty SAND with gravel, gray, moderate hydrocarbon odor (35, 50, 15).	
15					B126-15				

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		4 4 4	100	5.7		SM-ML		Moist, loose, silty SAND with gravel, gray, slight hydrocarbon odor (45, 45, 10).	
20		8 4 4	15	3.2	B126-20	SM-ML		Wet, loose, silt with fine SAND, gray, no hydrocarbon odor (55, 45, 0).	
25		8 10 11	100	2.8	B126-25	SP-SM		Wet, loose, fine to medium SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
30									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	12 16 17		100	0.5	B126-30	SP-SM		Moist, dense, very fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
35	50/6		100	0.0	B126-35	SP-SM		Wet, very dense, very fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
40	50/6		100	0.2	B126-40	SP-SM		Wet, very dense, fine to medium SAND with silt, gray, no hydrocarbon odor (10, 90, 0).	
45									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	33	0.0	B126-45	ML		Damp, very dense, silt with fine SAND, gray, no hydrocarbon odor (60, 40, 0).	
50		50/6	100	0.0	B126-50	SM-ML		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40, 50, 0).	
55		50/6	33	0.0	B126-55	ML		Damp, very dense, SILT with fine sand and gravel, gray, cohesive, no hydrocarbon odor (50, 40, 10).	
60									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	33	0.0	B126-60	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, 30, 10).	
65		50/6	33	0.0	B126-65	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (60, 30, 10).	
70		50/6	100	0.0	B126-70	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
75									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	33	0.0	B126-75	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
80		50/6	33	0.0	B126-80	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
85		50/6	33	0.0	B126-85	ML		Damp, very dense, SILT with fine sand and gravel, cohesive, gray, no hydrocarbon odor (50, 40, 10).	
90									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 12/30/13
Surface Conditions: Concrete
Well Location N/S: 162 ft north of NE corner of Seattle City Light Bld
Well Location E/W: 4.5 ft east of NE corner of Seattle City Light Building
Reviewed by:
Date Completed: 12/30/13

BORING LOG | **B126**
 MW126

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 20 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
90		50/6	0					Slough in sampler.	
95		50/6	100	0.0	B126-95	SP		Wet, very dense, fine to coarse SAND with gravel and silt, gray, no hydrocarbon odor, outwash sands (5, 90, 5).	
								EOB at 95.5 feet bgs. Set well MW126.	
100									
105									

Drilling Co./Driller: Cascade/Frank
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 95.5 feet bgs
Total Well Depth: 95 feet bgs
State Well ID No.: BID 021

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 85 to 95 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 7 inches thick.	
								Vac clean to 10' bgs.	
10	9 18 16		80	0.0	B127-10	SM		Damp, dense, silty SAND with gravel, brown, no hydrocarbon odor (35-55-10).	
15									

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 7 8		90	0.0	B127-15	ML		Moist, loose, SILT with fine sand, gray, no hydrocarbon odor (75-25-0).	
20	16 50/6		0	--	--			Wood in sampler.	
25	50/6		100	0.0	B127-25	GM		Wet, very dense, silty GRAVEL with sand, gray, no hydrocarbon odor (20-20-60). Wood waste and some soil in samler.	
30									

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.0	B127-30	SP		Wet, very dense, medium to fine SAND with silt, gray, no hydrocarbon odor (10-90-0).	
35		50/6	70	0.0	B127-35	ML		Damp, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (70-30-0).	
40		50/6	50	0.0	B127-40	ML		Wet, very dense, SILT with fine sand, cohesive, gray, no hydrocarbon odor (60-40-0).	
45								Trace sand with gravel in end of sampler.	

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001-02
Logged by: RAH
Date Started: 12/31/13
Surface Conditions: Concrete
Well Location N/S: 155' N of NW corner of city light building
Well Location E/W: 4' W of NW corner of city light building
Reviewed by: CCC
Date Completed: 12/31/13

BORING LOG | **B127**
 MW127

Site Address: 700 Dexter Avenue North
 Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	100	0.0	B127-45	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no hydrocarbon odor (40-50-10).	
50		50/6	100	0.0	B127-50	SP		Wet, very dense, medium to fine SAND with silt, brown, no hydrocarbon odor (10-90-0).	
55								Boring terminated at 50.5 feet below ground surface (bgs). Two-inch diameter well installed to a depth of 50 feet bgs, screened from 40 to 50 feet bgs, and finished with a flush-mounted monument and concrete seal. Completed as monitoring well MW127.	
60									

Drilling Co./Driller: Cascade Drilling/ Frank
Drilling Equipment: HSA
Sampler Type: D+M
Hammer Type/Weight: 140 lbs
Total Boring Depth: 50.5 feet bgs
Total Well Depth: 50 feet bgs
State Well ID No.: BID 022

Well/Auger Diameter: 2" / 8.25" inches
Well Screened Interval: 15 to 30 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush-mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0									
5									
10		2 3 4	100	52.8	B128-10	SM		Damp, loose, silty fine SAND with trace gravel, gray, faint hydrocarbon odor (40, 55, 5).	
15									

Boring air-knifed to 10 feet bgs prior to drilling.

Damp, loose, silty fine SAND with trace gravel, gray, faint hydrocarbon odor (40, 55, 5).

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	5 5 3		50	2.6	B128-15	SM		Wet, loose, wood debris with some soil - silty SAND with gravel, brown, no hydrocarbon odor (20, 70, 10).	
20	4 7 8		33	1.3	B128-20	SM-GM		Wet, medium dense, silty gravelly SAND, dark gray, no hydrocarbon odor (20, 40, 40).	
25	5 9 11		100	0.6	B128-25	SM-ML		Damp, medium dense, fine sandy SILT with trace gravel and wood debris, gray, no hydrocarbon odor (50, 45, 5).	
30									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	6 10 15	100	0.0	B128-30	SM/SP		Wet, medium dense, fine SAND with silt, dark gray, no hydrocarbon odor (10, 90, 0).		
35	10 10 14	100	0.0	B128-35	ML		Damp, medium dense, sandy SILT with trace gravel and wood debris, gray, no hydrocarbon odor (70, 25, 5).		
40	12 14 15	100	0.0	B128-40	ML		Damp, dense, SILT with fine sand, gray, no hydrocarbon odor (80, 20, 0).		
45									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11 18 19		50	0.6	B128-45	ML		Damp, dense, SILT/CLAY with fine sand, with small sand stringer, gray, no hydrocarbon odor (85, 15, 0).	
50	12 13 15		100	0.6	B128-50	SM-ML		Damp to moist, medium dense, silty fine SAND to sandy SILT, gray, no hydrocarbon odor (50, 50, 0).	
55	12 12 16		75	0.0	B128-55	ML		Damp, dense, fine sandy SILT, gray, no hydrocarbon odor (60, 40, 0).	
60									

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



DRAFT

Project: 700 Dexter
Project Number: 0797-001
Logged by: DMM
Date Started: 1/9/14
Surface Conditions: Concrete
Well Location N/S: 22 ft south of fire hydrant
Well Location E/W: 1 ft east of fire hydrant
Reviewed by: --
Date Completed: 1/9/14

BORING LOG | **B128**
 MW128

Site Address: 700 Dexter
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	16 16 19	100	0.6	B128-60	SM/SP		Moist, dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
65	11 12 14	100	0.0	B128-65	SM/SP		Moist, dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
70	50/6	250	0.0	B128-70	SM/SP		Wet, very dense, fine SAND with silt, gray, no hydrocarbon odor (10, 90, 0).		
75							End of boring at 70.5. Install MW128.		

Drilling Co./Driller: Cascade/Dave
Drilling Equipment: HSA
Sampler Type: Split-spoon
Hammer Type/Weight: 300 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.:

Well/Auger Diameter: 2/8.25 inches
Well Screened Interval: 60 to 70 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: 2/12 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: Flush mount

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB01

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5		18 50/6	100	1.3	B-1-05	SP-SM (FILL)		Damp, very dense, medium to fine SAND with some silt, light brown, no solvent or hydrocarbon odor (10-90-0). Fill material.	
						SM (FILL)		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (20-75-5). Fill material.	
10		2 2 5	100	0.7	B-1-10	SP-SM (FILL)		Moist, loose, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | **DB01**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	12-15-17		100	0.0	B-1-15	SM		Moist, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-50-20).	
20	11-10-9		100	0.0	B-1-20	ML		Wet, medium dense SILT with fine sand and gravel, light brown, no solvent or hydrocarbon odor (50-30-20).	
25	14-20-21		100	0.0	B-1-25	GM SP-SM		Moist, dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor (15-35-50). Moist, dense, medium fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-60-30).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Concrete
Well Location N/S: 35' S of N wall
Well Location E/W: 46' E of W wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB01

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 27.40 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.1	B-1-30	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-55-20).	
35		50/6	50	0.1	B-1-35	ML		Wet, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/6	50	0.4	B-1-40	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
45								Boring terminated at 41 feet below ground surface (bgs). Refusal due to large rock. A temporary well set with screen from 35-40 feet bgs. Backfilled with bentonite chips.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 41 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt at surface.	
5	1 2 2		100	0.0	B-2-05	ML (FILL)		Wet, soft SILT with gravel and fine sand, olive gray, no solvent or hydrocarbon odor. Black wood ash in bottom 3 inches (55-40-5). Fill material.	
10	3 5 5		100	0.0	B-2-10	ML (FILL)		Moist, stiff SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (50-45-5). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	4 5 5		100	0.1	B-2-15	SP-SM SM		Moist, loose, fine to medium SAND with silt, dark gray, no solvent or hydrocarbon odor (10-90-0). Moist, loose, silty fine SAND, dark gray, no solvent or hydrocarbon odor (35-65-0).	
20	5 15 18		100	4.8	B-2-20	SM		Moist, medium dense, silty medium to fine SAND with trace gravel, brown, no solvent or hydrocarbon odor (20-75-5) Damp, medium dense, silty fine to medium SAND, brown, no solvent or hydrocarbon odor (25-75-0).	
25	15 50/6		1	0.7	B-2-25	GM		Wet, very dense, GRAVEL with silt and sand, dark brown.	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	15 25 25		5	--	B-2-30	GM		Wet, dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor.	
35	50/6		100	0.1	B-2-35	GM		Wet, very dense, silty gravelly SAND, brown, no solvent or hydrocarbon odor (25-25-50).	
40	50/6		100	0.1	B-2-40	SM-ML		Damp, very dense, silty SAND with gravel, dark gray, cohesive, no hydrocarbon odor (40-40-20).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/18/2013
Surface Conditions: Asphalt
Well Location N/S: 27.0' S of N wall
Well Location E/W: 156.9' E of west wall
Reviewed by: CCC
Date Completed: 3/18/2013

BORING LOG | DB02

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 25 feet bgs
Water Depth After Completion 17 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/5	40	1.3	B-2-45	SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor.	
50								<p>Boring terminated at 46.5 feet below ground surface (bgs). A temporary well set with screen from 35 - 40 feet bgs. Collect water sample 20130318-B-2. Remove temporary casing and backfilled with bentonite chips. Finish with concrete.</p>	
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.: --

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Asphalt at surface.	
5	3 4 3		100	0.5	DB03-05	SM (FILL)		Damp, loose, silty SAND with gravel, brown, no solvent or hydrocarbon odor (15-80-5). Fill material.	
10	4 7 7		100	0.0	Not Sampled	GM (FILL)		Wet, medium dense, gravelly SILT with bricks, black, no solvent or hydrocarbon odor (10-10-80). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:

Page: | **1 of 5**



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 5 9		100	0.0	DB03-15	SM (FILL)		Wet, loose, silty SAND with gravel, black, wood ash and metal debris, no solvent or hydrocarbon odor (20-65-15). Fill material.	
20	7 7 7		100	0.5	DB03-20	ML		Damp, medium dense SILT with fine sand, greenish gray, no solvent or hydrocarbon odor (60-40-0).	
25	6 7 7		100	0.5	DB03-25	SM		Wet, medium dense, silty medium SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-50-10).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	10 10 10		100	0.5	DB03-30	ML		Wet, very stiff SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
35	3 4 5		100	0.5	DB03-35	ML		Moist, medium stiff SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
40	4 6 7		100	11.1	DB03-40	ML		Moist, stiff SILT with fine sand, brown and gray, no solvent or hydrocarbon odor (60-40-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	10 50/6	75	14.2	DB03-45	SM		Wet, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).		
50	50/6	50	8.9	DB03-50	SM		Wet, very dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).		
55	60/5	50	46.0	DB03-55	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-55-20).		
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Asphalt
Well Location N/S: 62' N of former building drive
Well Location E/W: 46' W of E property boundary
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB03

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 60 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	X	50/6	50	4.7	DB03-60	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-55-5). Boring terminated at 60.5 feet below ground surface(bgs). Set temperature monitoring point. Collect water sample 20130327-DB03-60.	
65									
70									
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: BC1076

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete at surface.	
5	7 15 20		100	1.6	DB04-05	GM-GP		Damp, dense, sandy GRAVEL with silt, brown, no solvent or hydrocarbon odor (10-30-60).	
10	15 18 20		100	3.7	DB04-10	SM		Moist, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	7 9 9		100	1.6	DB04-15	SM		Wet, loose, silty SAND, light brown, no solvent or hydrocarbon odor (35-65-0).	
20	12 12 12		100	45.9	DB04-20	SP-SM		Damp, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-65-20).	
25	12 12 20		100	18.9	DB04-25	ML-GM		Wet, medium dense, gravelly SILT with sand, light brown, no solvent or hydrocarbon odor (45-15-40).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	54.8	DB04-30	SM		Damp, very dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
35		50/6	50	98.6	DB04-35	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5).	
40		50/6	50	27.5	DB04-40	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/5	50	50	17.8	DB04-45	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5). Set conductor at 45 feet bgs.	
50	50/6	50	50	0.8	DB04-50	ML		Damp, very dense SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-35-15).	
55	50/6	50	50	0.8	DB04-55	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/21/2013
Surface Conditions: Concrete
Well Location N/S: 84' S of N wall
Well Location E/W: 51' E of N wall
Reviewed by: CCC
Date Completed: 3/21/2013

BORING LOG | DB04

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60	X	50/6	50	0.8	DB04-60	ML		Damp, very dense SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-35-15). Boring terminated at 60.5 feet below ground surface (bgs). Set temporary well at 60 feet bgs. Collected water sample 20130322-DB04-60.	
65									
70									
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 60.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	20 25 20		80	1.0	DB05-05	SP-SM		Damp, dense, medium to fine SAND with silt and gravel, light brown, no solvent or hydrocarbon odor (10-80-10).	
10	14 23 24		100	0.6	DB05-10	SM		Damp, dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-70-5).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/2	30	0.6	DB05-15	SM		Damp, very dense, silty SAND, light brown, no solvent or hydrocarbon odor (35-65-0).	
20		50/6	30	1.9	DB05-20	ML-SM		Damp, very dense, silty SAND with gravel, cohesive, light brown, no solvent or hydrocarbon odor (40-45-15).	
25		50/6	50	3.3	DB05-25	ML-SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (40-45-15).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/5	50	8.0	DB05-30	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
35		50/6	50	24.1	DB05-35	SM-ML		Moist, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (45-45-10).	
40		50/5	50	139.1	DB05-40	ML		Damp, hard, fine sandy SILT with gravel, cohesive, gray, no solvent or hydrocarbon odor (55-35-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/4	50	11.7	DB05-45	ML			Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
50	50/5	50	0.9	DB05-50	SM			Moist, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
55	50/6	55	0.9	DB05-55	SM			Damp, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (40-50-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 12.5' N of S wall
Well Location E/W: 65.5' E of W wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB05

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	55	0.0	DB05-60	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-35-15).	
65		50/6	50	0.0	DB05-65	SP-SM		Moist to wet, very dense, medium to fine SAND with silt and gravel, gray, no solvent or hydrocarbon odor (10-80-10).	
70		50/6	50	0.0	DB05-70	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (70-25-5). Collect water sample 20130326-DB05-70.	
75								Boring terminated at 70.5 feet below ground surface (bgs).	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" concrete surfacing.	
5	3 3 3		100	0.4	DB06-05	SM (FILL)		Damp, loose, silty SAND, brown, no solvent or hydrocarbon odor (30-70-0). Fill material.	
10	8 8 8		100	0.4	DB06-10	SM (FILL)		Damp, medium dense, silty SAND, brown, no solvent or hydrocarbon odor (45-55-0). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	11 12 16		100	0.4	DB06-15	SM		Damp, medium dense, silty medium SAND, light brown, no solvent or hydrocarbon odor (40-60-0).	
20	50/6		50	0.4	DB06-20	SM		Damp, very dense, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (35-60-5).	
25	50/5		50	4.9	DB06-25	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/5	50	4.9	DB06-30	SM		Wet, very dense, silty SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
35		50/6	50	14.0	DB06-35	ML		Damp, hard SILT with sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-35-10).	
40		50/5	50	1.3	DB06-40	SM		Damp, very dense, silty fine SAND, gray, no solvent or hydrocarbon odor (30-70-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	2.2	DB06-45	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
50		50/3	30	0.4	DB06-50	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (55-35-10).	
55		50/6	55	0.4	DB06-55	ML		Damp, hard SILT with fine sand and trace gravel, dark gray, no solvent or hydrocarbon odor (55-40-5).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:

Page: 4 of 6



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/5	50	0.4	DB06-60	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-30-15).	
65		50/3	50	0.9	DB06-65	SM		Damp, very dense, silty SAND with gravel, dark gray, no solvent or hydrocarbon odor (40-45-15).	
70		50/6	50	0.4	DB06-70	ML		Damp, hard SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (60-25-15).	
75									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:

Page: 5 of 6



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/25/2013
Surface Conditions: Concrete
Well Location N/S: 39' N of S wall
Well Location E/W: 90' E of W wall
Reviewed by: CCC
Date Completed: 3/25/2013

BORING LOG | DB06

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
75		50/6	50	2.2	DB06-75	ML		Moist to wet, hard SILT with fine sand, dark gray, no solvent or hydrocarbon odor (75-25-0).	
80		50/6	50	0.9	DB06-80	ML		Damp, hard SILT with fine sand and gravel, dark gray, no solvent or hydrocarbon odor (60-30-10).	
85								Boring terminated at 80.5 feet below ground surface (bgs). Set temperature monitoring point. Collect water sample 20130325-DB06-80.	
90									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 80.5 feet bgs
Total Well Depth: 80 feet bgs
State Well ID No.: BC1074

Well/Auger Diameter: 2/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: Sand
Surface Seal: Concrete
Annular Seal: Portland Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | **DB07**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								1.5 feet Concrete surfacing.	
5	2 8 8		100	3.7	DB07-05	SM		Moist, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-55-10).	
10	7 8 10		100	6.8	DB07-10	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (25-55-20).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	10 10 10	100	68.1	DB07-15	SM		Wet, medium dense, silty medium SAND, brown, no solvent or hydrocarbon odor (30-70-0).		
20	22 10 10	100	24.8	DB07-20	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-50-15).		
25	50/6	50	39.6	DB07-25	SM		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-5).		
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6			DB07-30			No recovery.	
35		50/6	100	14.0	DB07-35	SM		Wet, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (35-50-15).	
40		50/6	50	5.2	DB07-40	SM-ML		Wet, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (40-45-15).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	30	23.6	DB07-45	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (40-50-10).	
50		50/3	30	5.2	DB07-50	SM		Wet, very dense, silty SAND with gravel, gray (40-50-10). Sluff.	
55		50/3	0	--				No recovery.	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/27/2013
Surface Conditions: Concrete
Well Location N/S: 33' S of roll-up door
Well Location E/W: 127' E of W wall
Reviewed by: CCC
Date Completed: 3/27/2013

BORING LOG | DB07

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/3	30	1.7	DB07-60	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (60-30-10).	
65		50/5	50	7.0	DB07-65	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (60-30-10).	
70		50/4	50	6.1	DB07-70	ML		Damp, hard SILT with fine sand and gravel, gray, cohesive, no solvent or hydrocarbon odor (60-30-10).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130328-DB07-70.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	7 14 9		100	0.7	DB08-05	SP-SM (FILL)		Damp, medium dense, medium to fine SAND with silt, rust color, no solvent or hydrocarbon odor (10-90-0). Fill material.	
10	50/6		50	0.7	DB08-10	SM		Damp, very dense, silty SAND with trace gravel, brown, no solvent or hydrocarbon odor (20-75-5).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/5	30	1.5	DB08-15	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-60-5).	
20		50/6	50	11.7	DB08-20	SM-ML		Damp, very dense SILT with sand and gravel, gray, no solvent or hydrocarbon odor (50-45-5).	
25		50/6	50	0.7	DB08-25	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	14.6	DB08-30	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (65-35-0).	
35		50/5	50	30.6	DB08-35	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (35-60-15).	
40		50/6	15	0.0	DB08-40	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (25-65-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	0.7	DB08-45	SM		Damp, very dense, silty fine SAND with gravel, gray, no solvent or hydrocarbon odor (30-60-10).	
50		50/5	50	13.5	DB08-50	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-70-10).	
55		50/5	20	3.7	DB08-55	SM		Wet, very dense, silty medium SAND with gravel, gray, no solvent or hydrocarbon odor (20-70-10).	
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/20/2013
Surface Conditions: Concrete
Well Location N/S: 27' N of S wall
Well Location E/W: 90' W of E wall
Reviewed by: CCC
Date Completed: 3/20/2013

BORING LOG | DB08

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/5	20	4.8	DB08-60	ML		Damp, hard SILT with medium and fine sand, gray, no solvent or hydrocarbon odor (65-35-0). Collect water sample 20130321-DB08-60 at 60' bgs.	
65		50/6	50	7.0	DB08-65	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
70		50/6	20	2.7	DB08-70	ML		Moist, hard silty fine SAND, trace gravel, gray, cohesive, no solvent or hydrocarbon odor (55-40-5).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Set temperature monitoring point at 70' bgs.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: 70 feet bgs
State Well ID No.: BC1072

Well/Auger Diameter: 1/4.25/10.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Portland Cement grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | **DB09**

Site Address: 700 Dexter Avenue North
 Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete at surface.	
5	2 1 2		100	0.0	DB09-05	SM (FILL)		Damp, very loose, silty SAND with gravel and brick fragments, dark brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
10	5 7 9		100	0.0	DB09-10	SM (FILL)		Damp, medium dense, silty SAND with gravel and brick fragments, dark brown, no solvent or hydrocarbon odor (25-65-10). Fill material.	
15								FILL	

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	30	0.0	DB09-15	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (30-60-10).	
20		10 8 6	100	0.0	DB09-20	SM		Wet, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (25-60-15).	
25		17 50/6	50	0.0	DB09-25	SM		Wet, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (35-55-10).	
30									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	60	0.0	DB09-30	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-55-15).	
35		50/6	50	0.0	DB09-35	SM		Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (25-65-10).	
40		50/2	10	0.0	DB09-40	SM		Collected water sample 20130319-DB09-40. Damp, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-10).	
45									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6	50	50	0.0	DB09-45	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (35-60-5).	
50	50/4	30	30	0.0	DB09-50	SM		Moist, very dense, silty SAND with gravel, cohesive, gray, no solvent or hydrocarbon odor (30-60-5).	
55	50/6	25	25	0.0	DB09-55	ML		Damp, hard, SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-45-5).	
60									

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/19/2013
Surface Conditions: Concrete
Well Location N/S: 27.5' N of S wall
Well Location E/W: 36' W of E wall
Reviewed by: CCC
Date Completed: 3/19/2013

BORING LOG | DB09

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling 15 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/6	50	0.0	DB09-60	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
65		50/6	50	0.0	DB09-65	ML		Damp, hard SILT with fine sand and trace gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).	
70		50/6	50	0.0	DB09-70	ML		Damp, hard SILT with fine sand and gravel, cohesive, dark gray, no solvent or hydrocarbon odor (50-40-10).	
75								Boring terminated at 70 feet below ground surface (bgs). Set temperature monitoring point at 70 feet bgs.	

Drilling Co./Driller: Cascade
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.8 feet bgs
Total Well Depth: 70.5 feet bgs
State Well ID No.: --

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Grout
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								Concrete 6 inches thick at surface.	
5	2 2 6		100	0.5	DB10-05	SM (FILL)		Moist, loose, silty SAND with gravel, brown, no hydrocarbon odor (25-65-10). Fill material.	
10	9 9 9		100	6.8	DB10-10	SM-ML		Wet, medium dense, silty SAND with gravel, brown, no hydrocarbon odor (45-45-10).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	50	65.7	DB10-15	SM-ML		Moist, very dense, silty SAND with gravel, brown, cohesive, no solvent or hydrocarbon odor (40-45-15).	
20		50/6	50	120.5	DB10-20	ML		Damp, hard SILT with fine sand and trace gravel, gray, no solvent or hydrocarbon odor (55-40-5).	
25		50/6	50	4.7	DB10-25	SM-ML		Damp, very dense, silty SAND with gravel, gray, no solvent or hydrocarbon odor (40-45-15).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	396	DB10-30	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (55-40-5).	
35		50/6	50	2,493	DB10-35	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (55-40-5).	
40		50/6	50	92.1	DB10-40	ML		Moist, hard SILT with fine sand and trace gravel, gray, solvent odor. Collected water sample 20130329-DB10-40. Set conductor casing at 40 feet bgs.	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	50/6	50	82.6	DB10-45	SP-SM		Wet, very dense, medium to fine SAND with gravel and silt, gray, solvent odor (10-80-10).		
50	50/3	30	425	DB10-50	ML		Damp, hard SILT with fine sand, cohesive, gray, solvent odor (65-35-0).		
55	50/6	50	23.0	DB10-55	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (55-40-5).		
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 3/24/2013
Surface Conditions: Concrete
Well Location N/S: 180' S of N wall
Well Location E/W: 19' E of W wall
Reviewed by: CCC
Date Completed: 3/24/2013

BORING LOG | DB10

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
60		50/5	50	28.9	DB10-60	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (55-45-0).	
65		50/6	50	16.1	DB10-65	ML		Damp, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
70		50/6	50	6.3	DB10-70	ML		Damp to moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (50-50-0).	
75								Boring terminated at 70.5 feet below ground surface (bgs). Collected water sample 20130401-DB10-70.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 70.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: 1/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	7 1 15		100	0.0	DB11-05	SM		Damp, medium dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-70-15).	
10	50/6		50	0.0	DB11-10	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (20-65-15).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	43 50/5	75	0.0	DB11-15	SM		Damp, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (15-75-10).		
20	31 50/3	50	0.6	DB11-20	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon odor (40-50-10).		
25	50/6	50	2.4	DB11-25	SM		Moist, very dense, silty SAND with gravel, light brown, no solvent or hydrocarbon (40-50-10).		
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	0.6	DB11-30	ML		Moist, hard SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0).	
35		50/6	50	0.6	DB11-35	ML		Moist, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/5	50	0.0	DB11-40	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/02/2013
Surface Conditions: Concrete
Well Location N/S: 18.5' N of S wall
Well Location E/W: 14' E of W wall
Reviewed by: CCC
Date Completed: 04/02/2013

BORING LOG | DB11

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		50/6	50	24.6	DB11-45	SM		Wet, very dense, silty medium to fine SAND with gravel, gray, no solvent or hydrocarbon odor (15-75-10).	
50		50/6	50	0.4	DB11-50	ML		Moist, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
55		50/6	50	0.4	DB11-55	ML		Damp, hard SILT with fine sand and gravel, gray, no solvent or hydrocarbon odor (50-40-10).	
60								Boring terminated at 55.5 feet below ground surface (bgs). Temporary well set from 50 to 55 feet bgs. Collect groundwater sample 20130402-DB11-55.	

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	10 10 10		100	0.0	DB12-05	SP (FILL)		Damp, medium dense, medium to fine SAND with silt, brown, no solvent or hydrocarbon odor (10-90-0). Fill material.	
10	10 10 11		100	112	DB12-10	SP (FILL)		Damp, medium dense, medium to fine SAND with silt and gravel, brown, no solvent or hydrocarbon odor (10-80-10). Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	3 5 8		100	110.9	DB12-15	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20). Set temporary screen at 15 feet bgs. Collected water sample 20130403-DB12-15.	
20	9 9 9		100	82.0	DB12-20	ML		Moist, very stiff, SILT with fine sand, gray with brown mottling, no solvent or hydrocarbon odor (60-40-0).	
25	7 6 5		100	75.1	DB12-25	ML		Moist, stiff, SILT with fine sand, brown, no solvent or hydrocarbon odor (60-40-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	7 8 10		100	65.1	DB12-30	SM		Moist, medium dense, silty medium SAND with gravel, brown, no solvent or hydrocarbon odor (30-50-20).	
35	3 3 5		100	13.4	DB12-35	SM-GM		Wet, loose, silty sandy GRAVEL, brown, no solvent or hydrocarbon odor (30-40-30).	
40	50/6		50	51.5	DB12-40	SP-SM		Wet, very dense, medium to fine SAND with silt and trace gravel, gray, no solvent or hydrocarbon odor (10-85-5).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 89' S of N wall
Well Location E/W: 117' E of W wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB12

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6	50	75.1	DB12-45	SM		Damp, very dense, silty SAND with gravel, gray, no hydrocarbon odor (35-50-15). Set temporary screen from 40 to 45 feet bgs. Collected water sample 20130403-DB12-45. Boring terminated at 45.5 feet below ground surface (bgs).	
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								6" Concrete surfacing.	
5	1 2 3		100	0.0	DB13-05	ML		Moist, medium stiff, silty fine SAND and gravel, brown, no solvent or hydrocarbon odor (50-40-10).	
10	7 8 9		100	0.4	DB13-10	ML		Moist, very stiff, SILT with fine sand and gravel, brown, no solvent or hydrocarbon odor (60-30-10).	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	10 10 10		100	0.6	DB13-15	SM		Wet, medium dense, silty SAND with gravel, brown, no solvent or hydrocarbon odor (35-55-10). Set temporary well at 15' bgs. Collected water sample 20130403-DB13-15.	
20	14 15 15		100	4.4	DB13-20	SM		Damp, medium dense, silty SAND with gravel, brown, cohesive, no solvent or hydrocarbon odor (35-55-10).	
25	50/6		50	NR	DB13-25			No recovery.	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	50	18.4	DB13-30	SM		Damp, very dense, silty SAND with gravel, gray, cohesive, no solvent or hydrocarbon odor (35-55-10).	
35		50/6	50	40.2	DB13-35	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
40		50/6	50	3.4	DB13-40	ML		Damp, hard SILT with fine sand and gravel, cohesive, gray, no solvent or hydrocarbon odor (50-40-10).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/03/2013
Surface Conditions: Concrete
Well Location N/S: 45.8' N of S wall
Well Location E/W: 63.8' W of E wall
Reviewed by: CCC
Date Completed: 04/03/2013

BORING LOG | DB13

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	X	50/6	50	2.0	DB13-45	ML		Moist, hard, silty fine SAND and gravel, gray, no solvent or hydrocarbon odor (50-40-10). Collected water sample 20130403-DB13-45. Boring terminated at 45.5 feet below ground surface (bgs).	-----
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 45.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" Asphalt surfacing.	
5		3 3 3	100		DB14-05	ML (FILL)		Moist, loose, SILT with fine sand, gray, no solvent or hydrocarbon odor (60-40-0). Fill material.	
10		1 2 3	100		DB14-10	ML (FILL)		Wet, loose, SILT with fine sand and trace gravel, wood waste, black, moderate hydrocarbon odor. Fill material.	
15									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	2 2 2		100		DB14-15	SM (FILL)		Wet, very loose, silty SAND with gravel wood waste and miscellaneous debris, black, hydrocarbon odor (25-65-10). Fill material. Set temporary well and collected water sample 20130404-DB14-15	
20	2 3 4		50		DB14-20	ML (FILL)		Wet, loose, SILT with fine sand gravel and miscellaneous debris, black, slight hydrocarbon odor (60-35-5). Fill material.	
25	4 8 14		100		DB14-25	ML		Moist, very stiff, SILT with fine sand, greenish gray, no solvent or hydrocarbon odor (55-45-0).	
30									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	14 50/6	50			DB14-30	ML		Damp, very dense SILT with fine sand, light brown, no solvent or hydrocarbon odor (55-45-0).	
35	7 10 12	100			DB14-35	SM		Wet, very dense, silty SAND with trace gravel, gray, no solvent or hydrocarbon odor (35-60-5).	
40	14 14 14	100			DB14-40	SP-SM		Wet, medium dense, medium to fine SAND with silt, gray, no solvent or hydrocarbon odor (10-90-0).	
45									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:



Project: 700 Dexter
Project Number: 0797-001
Logged by: RAH
Date Started: 04/04/2013
Surface Conditions: Asphalt
Well Location N/S: 26' S of N property boundary
Well Location E/W: 37' W of E property boundary
Reviewed by: CCC
Date Completed: 04/04/2013

BORING LOG | DB14

Site Address: 700 Dexter Avenue North
Seattle, Washington

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	11 20 40	100			DB14-45	SM		Moist, very dense, silty SAND, gray, no solvent or hydrocarbon odor (35-65-0). Set temporary well at 45 feet bgs and collected water sample 20130404-DB14-45.	
								Boring terminated at 46.5 feet below ground surface (bgs).	
50									
55									
60									

Drilling Co./Driller: Cascade/David
Drilling Equipment: HSA
Sampler Type: Dames and Moore
Hammer Type/Weight: 140 lbs
Total Boring Depth: 46.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: --/4.25 inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Concrete
Annular Seal: Bentonite
Monument Type: --



Notes/Comments:


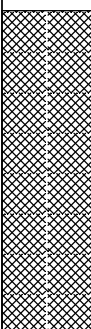
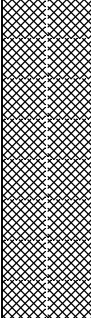
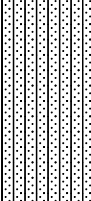
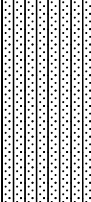

DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

 **Water Depth At Time of Drilling** -- feet bgs
 **Water Depth After Completion** ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		Concrete surface.	
			20	0.0		Fill		Moist, sandy SILT with gravel. Brown and gray. Contains brick fragments. No hydrocarbon or solvent odor (60-30-10). Fill.	
5				0.0		Fill		Moist, sandy SILT with gravel. Contains pieces of asphalt. Mottled gray and orange. No hydrocarbon or solvent odor (60-30-10). Fill.	
			40	0.0		SM		Moist, silty SAND with gravel. Medium brown. No hydrocarbon or solvent odor (25-65-10).	
10				0.0		SM		Wet, silty coarse to medium SAND with gravel. Medium brown and gray. No hydrocarbon or solvent odor (30-60-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
			75	0.1		SP		Wet, SAND with silt. Light gray. No hydrocarbon or solvent odor (10-90-0).	
15						CL		Wet, sandy SILT and CLAY. Gray. No hydrocarbon or solvent odor (85-15-0).	
						GP		Moist, silty GRAVEL with sand. Light gray. No hydrocarbon or solvent odor (30-20-50).	
				0.1		SM		Moist, sandy SILT with gravel. Mottled gray and orange. No hydrocarbon or solvent odor (75-20-5).	
						SM		Moist to wet, silty fine to medium SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	
20			100	0.1		SM-SP		Wet, silty medium to coarse SAND. Light gray. No hydrocarbon or solvent odor (20-80-0).	
						SM		Wet, silty SAND with gravel. Light gray to brown. No hydrocarbon or solvent odor (25-65-10).	
				0.3		SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-65-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
25			100	0.7		SM		Moist, sandy SILT with gravel. Light gray and brown. No hydrocarbon or solvent odor (20-70-10).	
						SM		Dry to moist, very dense, silty SAND and sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (20-65-15)/(65-20-15).	
				7.9		SM		Dry to moist, gravelly SAND with silt. Light gray. No hydrocarbon or solvent odor (20-55-25).	
30			100	7.5		SM		Sluff: Wet, gravelly SAND with silt and silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (20-55-25)/(30-55-15).	
				8.2		ML		Moist, dense, sandy SILT with clay and some gravel. Light gray. No hydrocarbon or solvent odor (35-60-5).	
						SM		Moist to dry, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-70-5).	
35				5.3		SM		Moist, silty to clayey SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
40				7.3		SM		Moist, silty SAND with some gravel. Light gray. No hydrocarbon odor (35-60-5).	
				10.9		ML		Moist, dense, sandy SILT with gravel. Gray. No hydrocarbon or solvent odor (70-25-5).	
45				0.2		SM		Moist, dense, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-70-5).	
				1.4		SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (30-65-5).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 66 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).
Page:		4 of 6



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
50				3.0		SM		Moist, gravelly SAND with silt. Light gray. No hydrocarbon or solvent odor (20-55-25).	
						SM		Moist, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (35-60-5).	
				0.5		ML		Moist, dense, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (60-30-10).	
55				0.3		ML		Moist, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (70-20-10).	
				0.3		ML		Moist, dense, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (70-25-5).	
60				2.0					

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 66 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: CMP
Date Started: 11/02/15
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 11/02/15

BORING LOG | IW01

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling -- feet bgs
 Water Depth After Completion ~10 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
60								No recovery	
65						ML		Moist, sandy SILT with gravel. Light gray. No hydrocarbon or solvent odor (60-30-10).	
70									

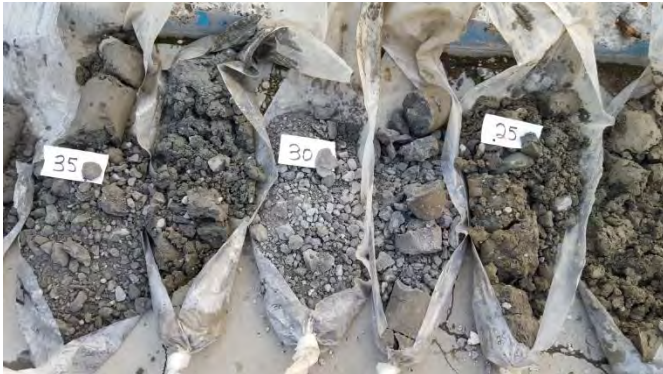
Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 66 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (60-30-20): Estimated percentages by volume (clay/silt-sand-gravel).
Page:		6 of 6



Photograph 1. Sonic core of injection well IW01 from approximately 0 to 15 feet bgs.



Photograph 2. Sonic core of injection well IW01 from approximately 15 to 25 feet bgs.



Photograph 3. Sonic core of injection well IW01 from approximately 25 to 35 feet bgs.



Photograph 4. Sonic core of injection well IW01 from approximately 35 to 45 feet bgs.



Photograph 5. Sonic core of injection well IW01 from approximately 45 to 55 feet bgs.



Photograph 6. Sonic core of injection well IW01 from approximately 55 to 66 feet bgs.



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
0						Concrete		Concrete surface.	
				0.1		Fill		Moist, SAND with gravel. Brown. No hydrocarbon or solvent odor (0-70-30). Fill.	
5						Fill		Moist, SAND with gravel. Brown. No hydrocarbon or solvent odor (0-70-30). Fill.	
				0.3		Fill		Moist, SAND with gravel and silt. Gray. No hydrocarbon or solvent odor (10-80-10).	
10						Fill		Moist, SAND with gravel and trace silt. Gray. No hydrocarbon or solvent odor (5-85-10).	
				0.1					
				0.9					
15						Fill		Moist, SAND with gravel and trace silt. Gray. No hydrocarbon or solvent odor (5-85-10).	

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 75 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (10-70-20): Estimated percentages by volume (silt-sand-gravel).



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
20				1.8		SM		Moist, silty SAND. Medium brown and gray. No hydrocarbon or solvent odor (10-90-0).	
25				0.0	IW06-25	SM		Moist, silty fine to medium SAND with gravel. Medium brown and grayish. No hydrocarbon or solvent odor (20-70-10).	
						SM		Moist, dense, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (15-70-15).	
30				0.0	IW06-30	SM		Moist, dense, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-70-10).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		2 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
35				0.0		SM		Moist, dense, gravelly medium SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-70-20).	
						SM		Moist, gravelly SAND with silt. Becomes coarser with increasing depth. Dark gray. No hydrocarbon or solvent odor (10-65-25).	
40				0.0	IW06-40	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-70-10).	
						SM		Moist, silty fine to medium SAND with gravel. Dark gray. No hydrocarbon or solvent odor (25-65-10).	
						SM		Wet, medium to coarse SAND with silt and gravel. Dark gray. No hydrocarbon or solvent odor (10-80-10).	
45				0.0					

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		3 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
 Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
50				0.0	IW06-50	SM		Moist, dense, silty SAND with gravel. Light gray. No hydrocarbon or solvent odor (25-65-10).	
						ML		Moist, sandy SILT with gravel. Dark gray. No hydrocarbon or solvent odor (60-30-10).	
55				0.0	IW06-55	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-60-20).	
						SM		Wet, SAND with silt and trace gravel. Dark gray. No hydrocarbon or solvent odor (10-85-5).	
60				0.0	IW06-60	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15).	

Drilling Co./Driller: Cascade/Zane Drilling Equipment: Sonic Rig Sampler Type: -- Hammer Type/Weight: -- lbs Total Boring Depth: 75 feet bgs Total Well Depth: -- feet bgs State Well ID No.: --	Well/Auger Diameter: -- inches Well Screened Interval: -- feet bgs Screen Slot Size: -- inches Filter Pack Used: -- Surface Seal: -- Annular Seal: -- Monument Type: --	Notes/Comments: (10-70-20): Estimated percentages by volume (silt-sand-gravel).
Page:		4 of 5



DRAFT

Project: 700 Dexter Property
Project Number: 0797-001-02
Logged by: GCF/CMP
Date Started: 01/13/16
Surface Conditions: Concrete
Well Location N/S: --
Well Location E/W: --
Reviewed by: --
Date Completed: 01/15/16

BORING LOG | IW06

Site Address: 700 Dexter Avenue North
Seattle, WA

Water Depth At Time of Drilling 53.5 feet bgs
Water Depth After Completion -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Detail/ Water Depth
65				0.0	IW06-65	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon odor (25-60-15).	
70				0.0	IW06-70	SM		Moist, silty SAND with gravel. Dark gray. No hydrocarbon or solvent odor (20-65-15).	
						SM		Wet, gravelly SAND with silt. Dark gray. No hydrocarbon or solvent odor (10-85-15).	
75					IW06-75	ML		Moist, sandy SILT with gravel. Gray. No hydrocarbon or solvent odor (55-35-10).	
								End of boring at 75 ft bgs. Temporary injection well IW06 installed to ~75 feet bgs. EOS injected into temporary well before the well was abandoned and backfilled with bentonite chips.	
80									

Drilling Co./Driller: Cascade/Zane
Drilling Equipment: Sonic Rig
Sampler Type: --
Hammer Type/Weight: -- lbs
Total Boring Depth: 75 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: --
Monument Type: --

Notes/Comments:
 (10-70-20): Estimated percentages by volume (silt-sand-gravel).

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE12460

Construction/Decommission

Construction
 Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Type of Well
 Resource Protection
 Geotechnical Soil Boring

Consulting Firm Sound Earth Strategies

Property Owner 700 Dexter LLC
 Site Address 700 Dexter
 City Seattle County King

Unique Ecology Well ID Tag No. BIX-340

Location 1/4 SW 1/4 NE Sec. 30 TWN 25N R. 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,l,r still Required) Lat Deg. x Lat Min/Sec x
 Long Deg. x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Driller Trainee Name (Print) James Goble
 Driller/Trainee Signature _____
 Driller/Trainee License No. 3131

Tax Parcel No. 0
 Cased or Uncased Diameter 14" - 0" - 40" Static Level 16'
8" - 40" - 80"

If trainee, licensed driller's Signature and License No. _____

Work/Decommission Start Date 3-1-16

Work/Decommission End Date 3-2-16

Construction/Design

Well Data 103-16-1166

Formation Description

	Concrete Surface Seal	Depth <u>6'</u> FT	0 - <u>16'</u> FT
	Blank Casing (dia x dep)	<u>2" x 70'</u>	grey sandy silt + small gravel
	Material	<u>PVC</u>	
	Backfill	Depth <u>62'</u> FT	
	Type	<u>Med. Bent. chips</u>	
	Seal	Material <u>x</u>	0 - <u>16' - 69'</u> FT
	Material		grey gravelly till to gravelly silt (Hard)
	Gravel Pack	Depth <u>12'</u> FT	
	Material	<u>10/20 Sand</u>	0 - <u>69' - 80'</u> FT
	Screen (dia x dep)	<u>2" x 10'</u>	Coarse to med. brown clean sand w/ small to very small gravel
Slot Size	<u>010</u>		
Material	<u>PVC</u>		
Well Depth	<u>80'</u> FT		
Backfill			
Material			
Total Hole Depth	<u>80'</u> FT		

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE12460

Construction/Decommission

Construction
 Decommission ORIGINAL INSTALLATION Notice
of Intent Number _____

Type of Well
 Resource Protection
 Geotechnical Soil Boring

Consulting Firm Sound Earth Strategies

Property Owner 700 Dexter LLC
Site Address 700 Dexter
City Seattle County King

Unique Ecology Well ID BIX 341
Tag No. _____

Location 1/4 SW 1/4 NE Sec 30 TWN 25N R 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards.

Lat/Long (s,l,r still Required) Lat Deg x Lat Min/Sec x
Long Deg x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 0

Driller Trainee Name (Print) James Goble
Driller/Trainee Signature _____
Driller/Trainee License No. 3131

Cased or Uncased Diameter 14" - 0' - 40"
8" 10' - 56" Static Level 14'

Work/Decommission Start Date 3-3-16

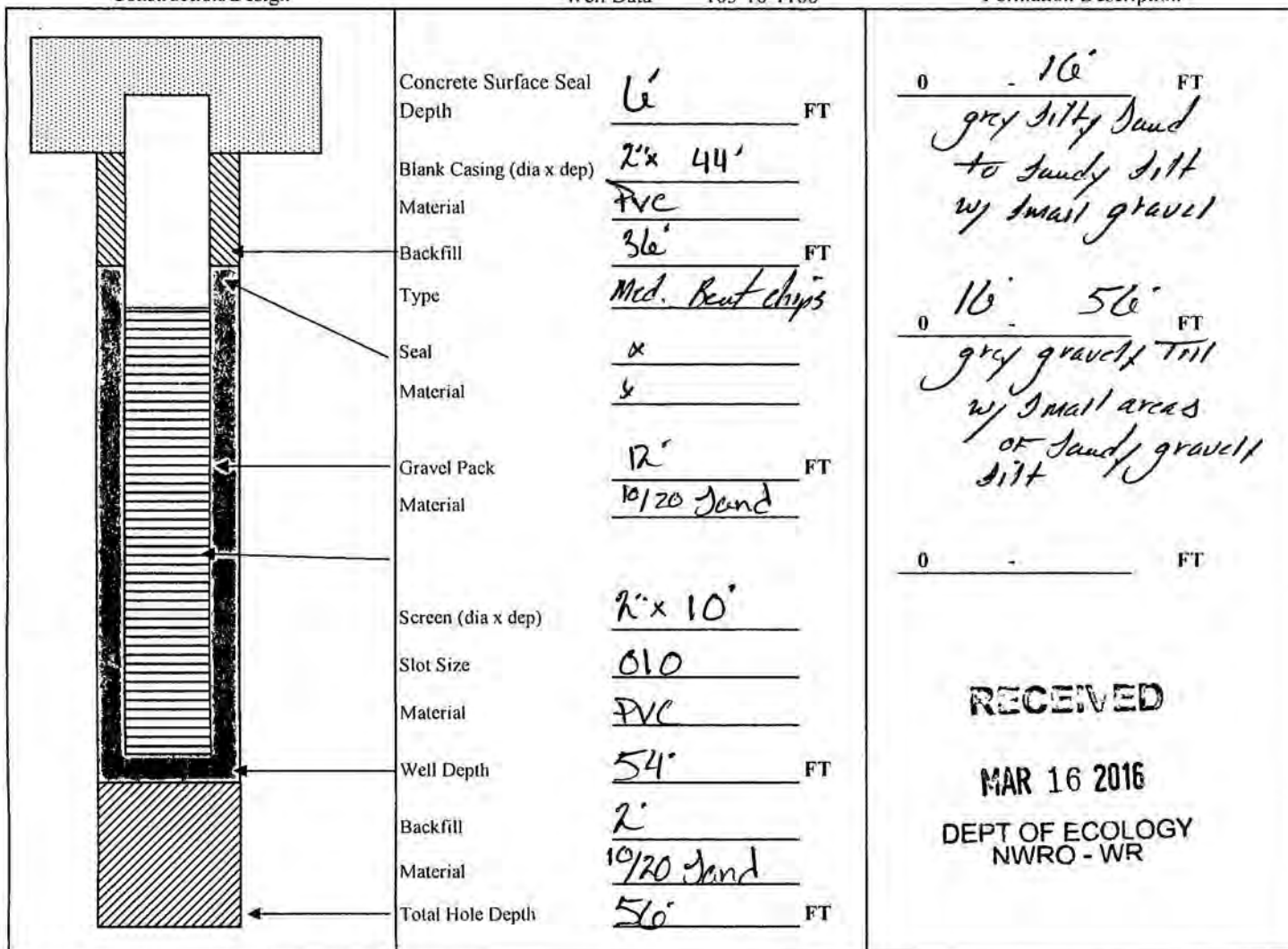
If trainee, licensed driller's Signature and License No. _____

Work/Decommission End Date 3-4-16

Construction/Design

Well Data 103-16-1166

Formation Description



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MAR 16 2016
DEPT OF ECOLOGY
NWRO - WR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

LOG OF BORING NO. B-201

Figure No. A-2

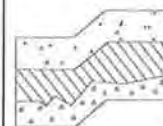
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 22.5 Ft., 45.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		FILL: Brown silty SAND with gravel, fine grained, moist. (SM)					
5		Cuttings appeared wet between samples.	Loose				12.4
10		Gray silty SAND with gravel, fine grained, moist. (SM) (Till)					11.7
15		Increased drilling resistance at 13 feet. Lightly mottled.					9.9
20		DRAFT	Very Dense				6.5
25							7.4
30				Becomes fine to medium grained.			

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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 Consultants in Geotechnical Engineering
 Geology and
 Environmental Earth Sciences

LOG OF BORING NO. B-201

Figure No. A-2

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

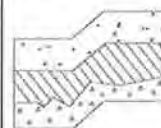
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 22.5 Ft., 45.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
30		Becomes fine grained.	Very Dense					
35							50/6"	13.5
40							50/4"	12.5
45		Wet.					50/4"	11.0
50		Gray SAND, medium grained, wet. (SP)					50/3"	10.5
55		Boring terminated at 50.5 feet. Perched groundwater at 22.5 feet. Groundwater at 45.5 feet.				50/5"	10.0	
60								

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-202

Figure No. A-3

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

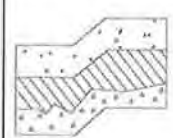
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 20 Ft., 30.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		(6-inch CONCRETE SLAB)					
5		FILL: Brown silty SAND with gravel, fine grained, moist, silty lenses. (SM)	Medium Dense			17	10.0
10						24	14.1
15		Brown silty SAND with gravel and GRAVEL with sand and silt, medium grained, wet to saturated. (SM/GM) (Weathered till)	Dense			36	15.3
20			Medium Dense			22	10.5
25		Gray silty SAND with gravel, fine grained, moist. (SM) (Till)	Very Dense			56	12.5
30							

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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LOG OF BORING NO. B-202

Figure No. A-3

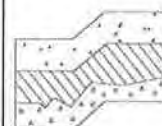
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 19, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 20 Ft., 30.5 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
30		Gray SAND, fine grained, wet. (SP)	Dense			46	11.2	
35		DRAFT	Very Dense			50/3"	9.6	
40						50/5"	17.6	
45				Gray SAND with silt, fine grained, moist to wet. (SP/SM)			50/6"	13.0
50				Gray SILT with sand, fine grained, moist. (ML)			50/6"	20.1
50.5		Boring terminated at 50.5 feet. Perched groundwater at 20 feet and 30.5 feet.						
60								

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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 Environmental Earth Sciences

LOG OF BORING NO. B-203

Figure No. A-4

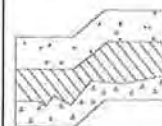
Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 23.5 Ft., 55 Ft. Approx. Elev: N/A

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		(2 to 3 inches ASPHALT) FILL: Gray silty SAND with gravel, fine grained, moist. (SM) Brick fragments					
5		FILL: Brown SILT with sandy lenses, fine grained, moist with wet lenses, wood debris. (ML)	Loose			7	14.8
10		DRAFT	Very Loose			3	47.2
15						2	30.2
20		Gray silty SAND with gravel and sandy SILT, fine grained, medium grained SAND lenses, moist. (SM/ML) (Weathered till)	Medium Dense			13	18.3
25		Gray SAND, medium to coarse grained, wet. (SP) (Till, ice contact)				24	13.5
30		Gray sandy SILT, moist. (ML)	Dense to Very Dense				
30		Gray silty SAND and sandy SILT, fine grained, moist. (SM/ML)				53	19.2
35		Gray SAND, medium grained, wet, silty lenses. (SP)				45	13.5
40		Tan silty GRAVEL with coarse grained SAND, moist. (GM)				51	13.4

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



Terra Associates, Inc.
 Consultants in Geotechnical Engineering
 Geology and
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LOG OF BORING NO. B-203

Figure No. A-4

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

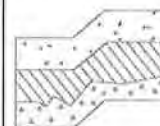
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 23.5 Ft., 55 Ft. Approx. Elev: N/A

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)	
				10	30	50		
45		Gray SAND, fine to medium grained, moist to wet. (SP)	Very Dense				10.7	
		Tan and gray silty SAND with gravel, moist, mottled. (SM) (Till)						
50		Becomes gray.						10.9
55		Wet.						
60								15.7
65		Moist.						12.9
70								10.7
75								9.4
80							13.9	
		Boring terminated at 80.5 feet. Perched groundwater at 23.5 feet and 55 feet.						
85								

DRAFT

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LOG OF BORING NO. B-204

Figure No. A-5

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

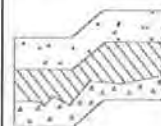
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 16.5 Ft., 38 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
0		(6-inch CONCRETE SLAB) FILL: Brown silty SAND with gravel, fine grained, moist. (SM) Metal debris	Loose				12.0
5		FILL: Gray SAND with gravel and silt, fine to medium grained, moist. (SP-SM)				8	
10		Gray silty SAND and sandy SILT, fine grained, moist to wet. (SM) (Weathered till/ice contact)	Dense				9.2
15						42	
20		Saturated.	Very Dense				13.3
25		Gray silty SAND with gravel and sandy SILT, fine grained, moist, sandy lenses. (SM) (Till)				48	
30						41	
						49	12.7

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



Terra Associates, Inc.
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LOG OF BORING NO. B-204

Figure No. A-5

Project: 700 Dexter Avenue Project No: T-7612 Date Drilled: June 20, 2017

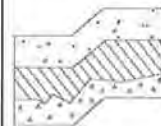
Client: BioMed Realty Driller: Holocene Drilling Logged By: NRH

Location: Seattle, Washington Depth to Groundwater: 16.5 Ft., 38 Ft. Approx. Elev: 40 Feet

Depth (ft)	Sample Interval	Soil Description	Consistency/ Relative Density	SPT (N) Blows/foot			Moisture Content (%)
				10	30	50	
30		1-inch diameter gravel.	Very Dense				11.6
35		Becomes siltier and wet.					7.5
40		Moist to wet.					13.3
45		Medium grained sand lenses.					12.6
50		Boring terminated at 50.5 feet due to refusal. Perched groundwater at 16.5 ft. and 38 ft.					13.5

DRAFT

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpreted as being indicative of other areas of the site



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Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Gravel					0		Asphalt
	6.5		60		2		BROWN SAND (SP), dry, fine to medium, trace fines, trace gravel (FILL)
	12.8				4		
	11.6		60		6		
	81.1	B-205-10			8		
	7.8				10		DARK GRAY SILTY SAND (SM), moist, fine, little fines, rare anthropogenic debris (wood, brick), hydrocarbon-like odor, sheen present on water
	14.2		120		12		
	12.8				14		
	4.4				16		
Bentonite Grout	4.1				18		
	2.0				20		GRAY SILTY SAND (SM), moist, medium dense, fine to medium, little fines
	1.1				22		GRAY SILTY SAND (SM), wet, fine to medium, some fines, few subrounded to subangular gravel up to 1-inch diameter, abundant gray-green mottling
	1.5				24		GRAY SAND (SP), wet, fine to coarse, trace fines, trace subangular to subrounded fine to coarse gravel up to 1-inch diameter
	3.3		120		26		GRAY SANDY SILT (ML), wet, hard, some fine sand, trace gravel
	1.6				28		GRAY SILTY SAND (SM), wet, dense, fine to coarse, some fines, light brown mottling
	1.6				30		LIGHT BROWNISH GRAY SILTY GRAVEL WITH SAND (GM), moist, subrounded to subangular fine to coarse gravel up to 2-inch diameter, little fine to coarse sand, little fines
	1.7				32		GRAY SAND (SP), wet, fine to coarse, few subrounded to subangular fine to coarse gravel up to 1-inch diameter, few fines at 31 feet: greater percentage of coarse sand from 31 to 33 feet bgs
	2.9		120		34		
	5.4				36		GRAY SILTY SAND (SM), wet, fine to medium, some fines, trace gravel
	13.6				38		
	31.7				40		LIGHT BROWN-GRAY SAND WITH SILT (SP), wet, fine to coarse, few gravel, few fines at 39.5 feet: horizon 6 inches thick of light brown silty sand

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description			
	48.8	B-205-40-W	120	40-44	40		LIGHT BROWN SAND (SP), wet, fine to coarse, few gravel up to 2-inch diameter, trace silt			
	78.1				at 40 feet: advanced groundwater sampler and collected sample with bailer, groundwater Color-Tec reading 65,000 ug/L					
	37.6				at 42 feet: silty sand lens, medium dense, 6 inches thick					
	34.9				at 43.5 feet: orange-stained abundant coarse sand lenses, 1-inch thick					
	28.4	B-205-55	60	46-48	46		LIGHT BROWN SAND WITH GRAVEL AND SILT (SP), wet, fine to coarse, little subangular to subrounded gravel, few fines			
	26.8				LIGHT BROWN SAND (SP), wet, fine to coarse, trace gravel up to 2-inch diameter, trace silt, abundant bands of orange staining					
	34.1				LIGHT BROWN SILTY SAND (SM), wet, fine to coarse, some fines, trace gravel					
	25.5				LIGHT GRAY SANDY SILT (ML), wet, hard, some fine to medium sand, trace gravel					
	33.0	B-205-65	120	50-54	50		LIGHT GRAY SILTY SAND (SM), moist, fine to medium, some fines, few subrounded to subangular gravel up to 1-inch diameter			
	16.2				B-205-75		84	56-60		LIGHT GRAY SANDY SILT (ML), wet, hard, some fine to medium sand, trace gravel, with zones of silty sand
	2.3									at 63 feet: sample collected for physical analysis
	2.0									at 75 feet: soil Color-Tec reading 0.045 mg/kg
	7.2	B-904-50	60	62-66		at 75 to 78 feet: No recovery				
	6.5					at 79 feet: sample collected for physical analysis				
	2.2					at 80 feet: soil Color-Tec reading <0.003 mg/kg				
	6.2									
	3.9									
	2.7									
	3.8									
	6.4									
9.0										
6.5										
7.3										
8.0										
0.8										
1.1										
1.3										
4.2										

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82		Bottom of Boring at 80 feet bgs. Boring backfilled with bentonite grout and capped with gravel.
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Gravel	2.0	B-206-15	48	46	0	Concrete (6 inches)	
	4.3				2	BROWN SILTY SAND (SM), moist, fine, little fines, trace fine to coarse subrounded gravel, clumps of finer soil	
2.1	4						
6.8	6				at 5 feet: grades coarser		
3.7	8						
2.5	10				at 7 feet: gray, fine to medium sand, fine gravel		
3.0	12						
3.7	14						
2.1	16						
1.7	18						
1.2	20						
3.0	22				at 15 feet: abundant mottling		
8.4	24						
4.5	26						
2.0	28						
13.9	30						
Bentonite Grout	5.8	B-206-30	54	54	18	GRAY SAND (SP), moist, fine to medium, few fine to coarse subrounded gravel, few fines, abundant silt inclusions up to 0.25 inches thick	
	1.8				20	GRAY SILTY SAND (SM), moist, fine to medium sand, some fines, few subrounded gravel up to 2-inch diameter	
	17.0				22	GRAY-BROWN GRAVEL WITH SAND (GP), moist, fine to coarse subrounded gravel up to 2-inch diameter, some fine to coarse sand, few fines	
	26.8				24	GRAY SAND WITH SILT (SP), wet, fine, few fines, trace fine gravel	
	6.6				26	at 22 feet: slightly coarser, grades to trace fines	
85.7	28	at 24 feet: brown-gray, moist to wet, fine to coarse sand, little fine to coarse gravel up to 3-inch diameter, rare cobbles					
53.6	30						
11.6	32						
10.3	34						
5.4	36						
	38						
	40						

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/14/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	9.2	B-206-40	84		42		
	13.4				44		
	26.0				46		
	4.6				47		at 47 feet: sample submitted for physical analysis
	4.7		54		48		
	119.2	B-206-49			48		GRAY SAND WITH SILT (SP), wet, fine to medium, few fines
	167.4				50		at 48 feet: sample submitted for physical analysis
	20.4				50		GRAY SILTY SAND (SM), dry to moist, fine to medium, some fines, few fine to coarse subrounded gravel
	17.5	B-206-52			52		at 50 feet: sample submitted for physical analysis
	15.2				54		
	9.0				54		
	27.4	B-206-56	110		56		at 55 feet: coarser sand, little fines
	29.5				58		
	56.7	B-206-59			58		GRAY SAND WITH SILT (SP), moist, medium, few coarse subrounded gravel, few fines
	39.9				60		
	7.6				60		GRAY SANDY SILT (ML), dry to moist, very hard, some fine to medium sand, few fine subrounded gravel up to 0.75-inch diameter
9.8				62			
13.9				62			
10.6				64			
11.4				64			
12.0		76		66		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel	
11.5				66			
8.6				68		GRAY SILT (ML), dry to moist, few fine to medium sand, trace fine to coarse gravel	
9.6	B-206-70			70			
6.8		84		72		GRAY SANDY SILT (ML), dry to moist, some fine to medium sand, few fine to coarse subrounded gravel	
5.7				74			
10.1				76			
0.3	B-206-80	60		78			
				80		at 80 feet: trace gravel, soil Color-Tec reading <0.003 mg/kg	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/14/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82		Bottom of Boring at 80 feet bgs. Boring backfilled with bentonite grout and capped with gravel.
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/14/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Gravel</p> <p>Bentonite Grout</p>	1.3	B-207-30	45	0 - 2	0	Concrete (6 inches)	Concrete (6 inches)
	0.8		2 - 4	2	GRAVEL (GP), dry, fine to coarse angular to subangular, little fine to coarse sand, few fines, crushed concrete debris (FILL)	GRAVEL (GP), dry, fine to coarse angular to subangular, little fine to coarse sand, few fines, crushed concrete debris (FILL)	
	0.8		4 - 6	4	BROWN SAND WITH SILT (SP), fine sand, few fines, mixed with BROWN SANDY SILT (ML), fine sand, heterogeneous, abundant crushed brick (FILL)	BROWN SAND WITH SILT (SP), fine sand, few fines, mixed with BROWN SANDY SILT (ML), fine sand, heterogeneous, abundant crushed brick (FILL)	
	0.3		6 - 8	6	DARK BROWN AND BLACK FILL, mix of coarse sand-sized debris, organics, wood, and trash (glass, metal, light bulbs)	DARK BROWN AND BLACK FILL, mix of coarse sand-sized debris, organics, wood, and trash (glass, metal, light bulbs)	
	1.0		8 - 10	8	LIGHT BROWN SILTY SAND (SM), moist, fine to medium, some fines, trace fine subrounded gravel, abundant orange staining in horizontal bands, occasional lenses of medium sand up to 0.5 inches thick	LIGHT BROWN SILTY SAND (SM), moist, fine to medium, some fines, trace fine subrounded gravel, abundant orange staining in horizontal bands, occasional lenses of medium sand up to 0.5 inches thick	
	4.0		10 - 14	10	BLUISH GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse subangular to subrounded gravel up to 3-inch diameter, little fines, rare orange mottling	BLUISH GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse subangular to subrounded gravel up to 3-inch diameter, little fines, rare orange mottling	
	0.9		14 - 18	12	at 18 feet: brown, some gravel	at 18 feet: brown, some gravel	
	0.6		18 - 20	16	BROWN SILTY SAND (SM), wet, fine to medium, little fines, few fine to coarse subrounded gravel	BROWN SILTY SAND (SM), wet, fine to medium, little fines, few fine to coarse subrounded gravel	
	0.6		20 - 22	18	BROWN GRAVEL WITH SAND (GP), wet, fine to coarse subrounded gravel, little fine to medium sand, few fines	BROWN GRAVEL WITH SAND (GP), wet, fine to coarse subrounded gravel, little fine to medium sand, few fines	
	2.4		22 - 24	20	BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel up to 2-inch diameter, frequent silty sand/sandy silt inclusions with orange staining up to 2-inch diameter, frequent horizons of medium sand up to 1-inch thick	BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel up to 2-inch diameter, frequent silty sand/sandy silt inclusions with orange staining up to 2-inch diameter, frequent horizons of medium sand up to 1-inch thick	
	2.5		24 - 26	22	BROWN SILTY GRAVEL (GM), moist, fine to coarse subrounded to rounded gravel up to 3-inch diameter, little fines, few fine to medium sand, cobbles	BROWN SILTY GRAVEL (GM), moist, fine to coarse subrounded to rounded gravel up to 3-inch diameter, little fines, few fine to medium sand, cobbles	
	4.6		26 - 28	24	BROWN SILTY SAND (SM), moist, fine to medium, little fines, trace fine to coarse subrounded gravel, abundant inclusions of silty sand/sandy silt up to 1-inch diameter	BROWN SILTY SAND (SM), moist, fine to medium, little fines, trace fine to coarse subrounded gravel, abundant inclusions of silty sand/sandy silt up to 1-inch diameter	
	4.1		28 - 30	26	at 32 feet: gray, few gravel	at 32 feet: gray, few gravel	
	3.6		30 - 32	28	at 35 feet: some fines	at 35 feet: some fines	
	2.2		32 - 34	30	GRAY SANDY SILT (ML), moist, some fine to medium sand, few gravel	GRAY SANDY SILT (ML), moist, some fine to medium sand, few gravel	
1.2	34 - 36	32	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few gravel	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few gravel			
5.7	36 - 38	34					
9.6	38 - 40	36					
27.6		38					
31.3		40					

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 90 Feet
 Diameter of Boring: 8" 0-55 ft & 6" 55-90 ft
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic





Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	379.6	B-207-41	60	42	42		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subrounded gravel up to 1.5-inch diameter
	128.4			44	44		
				46	46		
	59.6	B-207-49	32	48	48		at 49 feet: some fines
	4.8			50	50		at 50 feet: sample submitted for physical analysis
	10.2			52	52		GRAY SANDY SILT (ML), moist, little fine to medium sand, trace fine subrounded gravel
	10.4			60	52		at 52 feet: sample submitted for physical analysis
	125.6	B-207-55	60	54	54		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 1.25-inch diameter
	2.5			56	56		GRAY SILTY SAND (SM), moist to wet, little fine to medium sand, intercalated with GRAY SILTY SAND (SM), moist, some fine sand
	2.4			60	58		at 55 feet: soil Color-Tec reading <0.110 mg/kg
	6.5	B-207-60	6.5	60	58		GRAY SANDY SILT (ML), moist, some fine to medium sand (drilled to 55 feet bgs with 8-inch casing, added 5 feet of hydrated bentonite chips and let sit for 40 mins, pulled back 4 feet and advanced to 90 feet bgs with 6-inch casing)
	2.6			60	60		
	2.5			60	62		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 3-inch diameter
	1.5			60	64		
	2.0			60	66		
	2.1			58	68		GRAY SILTY SAND (SM), moist, fine, little fines, few fine subrounded gravel
	3.2	B-207-70	3.2	60	70		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 3-inch diameter
	2.0			60	72		
3.1			60	74		at 74 feet: fine to coarse sand, fine to coarse subrounded to rounded gravel up to 2-inch diameter	
2.1			60	76			
90.5			60	78			
115.1			60	80		at 80 feet: soil Color-Tec reading 0.110 mg/kg	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 90 Feet
 Diameter of Boring: 8" 0-55 ft & 6" 55-90 ft
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	30.3	B-207-80			82		
	15.6		60		84		
	11.0				86		
	18.8				88		
	15.0	B-207-90	60		90		at 90 feet: soil Color-Tec reading 0.022 mg/kg
					92		Bottom of Boring at 90 feet bgs. Boring backfilled with bentonite grout.
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 90 Feet
 Diameter of Boring: 8" 0-55 ft & 6" 55-90 ft
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Gravel</p> <p>Bentonite Grout</p>	7.7		31		0		Concrete (4 inches)	
	7.7				2		DARK TO LIGHT BROWN SILTY SAND (SM), moist, fine to coarse, little fines, few fine to coarse subrounded gravel up to 1-inch diameter, abundant orange staining (FILL)	
	26.6		6		4		at 3 feet: black, abundant coarse sand-sized debris (5- to 10-foot interval recovered as 6 inches of concrete debris)	
	26.4				6		BROWN SILTY SAND (SM), moist, medium, some fines, few fine to coarse subrounded gravel up to 1-inch diameter, higher moisture content than above (FILL)	
	12.6		60		8		BLACK FILL, abundant crushed debris, wood organics, anthropogenic material	
	30.2				10		BLUE-GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine subrounded gravel	
						12	at 14 feet: frequent horizons with abundant subrounded gravel up to 2-inch diameter	
						14		
						16		
						18		BROWN SANDY SILT (ML), moist, some fine sand, low plasticity, abundant orange staining
						20		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 3-inch diameter, occasional cobbles, heterogeneous, irregular bodies of medium sand
						22		
						24		GRAY GRAVEL WITH SAND (GP), wet, fine to coarse subrounded to rounded gravel to 2-inch diameter, some fine to coarse sand, few fines
						26		GRAY SILTY SAND (SM), moist, fine to medium, fine to coarse subrounded gravel up to 0.75-inch diameter
						28		BROWN-GRAY SANDY SILT (ML), moist, some fine to medium sand, trace fine subrounded gravel
					30		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 1-inch diameter	
					32		at 28 feet: frequent horizons of medium sand up to 1.5 inches thick	
					34		GRAY SILTY SAND (SM), dry to moist, very dense, fine to medium, some fines, trace fine subrounded gravel	
					36		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel up to 1-inch diameter	
					38		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded gravel up to 1.5-inch diameter	
					40			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	133		120		42		
	186				44		
	237				46		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 3-inch diameter
	379				48		
	902			56	50		
	937	B-208-50				52	
	962			42	54		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace fine subrounded gravel
	873					56	at 56 feet: sample submitted for physical analysis
	937			60	58		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine subrounded gravel up to 0.5-inch diameter
	1825					60	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 3-inch diameter
	2075	B-208-60				62	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter
	276			42	64		
	104					66	
	922			47	68		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded gravel up to 2-inch diameter, occasional cobbles
	129	B-208-70				70	
	267			52	72		
410					74		
276					76		
353			60	78			
420	B-208-80				80	at 80 feet: soil Color-Tec reading <0.003 mg/kg	

Project: Former American Linen Supply
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Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82		Bottom of Boring at 80 feet bgs. Boring backfilled with bentonite grout.
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Bentonite Grout	2.6	B-209-20	33	0 - 33	0		GRAVEL (GP), dry, fine to coarse angular to subangular, mostly crushed concrete debris, poor recovery from pushing a rock with sampler (FILL)
	2.2		6	33 - 39	6		BROWN SILTY GRAVEL WITH SAND (GM), fine to coarse angular to subangular, little sand, little fines, concrete debris (FILL)
	0.9		12	39 - 40	12		GRAY SILTY SAND (SM), moist, medium dense, fine to medium, little fines, trace subrounded gravel up to 1-inch diameter, orange mottling
	1.8		14	40 - 42	14		
	1.0		16	42 - 44	16		
	1.9		18	44 - 46	18		BROWNISH GRAY SILTY SAND WITH GRAVEL (SM), moist, medium dense, fine to coarse, little subrounded gravel up to 2-inch diameter, little fines
	1.8		20	46 - 48	20		at 20 feet: gray, wet, loose, trace gravel up to 1-inch diameter
	1.4		22	48 - 50	22		BROWN SILTY SAND (SM), wet, medium dense, fine to medium some fines, trace subrounded gravel up to 1-inch diameter, orange mottling
	0.5		24	50 - 52	24		GRAY SILTY SAND (SM), wet, loose, fine to medium, little fines, trace fine to coarse subrounded to rounded gravel up to 1-inch diameter
	10.7		26	52 - 58	26		GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, trace subrounded gravel up to 2-inch diameter, dark orange mottling, homogeneous
	7.7	B-209-35	120	58 - 60	32		GRAY SILTY SAND WITH GRAVEL (SM), moist, dense, fine to coarse, some fines, little subangular to subrounded gravel up to 3-inch diameter
	6.7		34	60 - 62	34		
	6.5		36	62 - 64	36		at 37 feet: trace cobbles
	4.0		38	64 - 66	38		at 40 feet: fine to coarse sand, medium dense, few gravel
21.7	47.4	60	66 - 72	32			
96.6	5.5	60	72 - 78	36			
494	274	60	78 - 82	38			
153.2		60	82 - 84	40			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 82 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	14.5	B-209-50	60	42-50	42		GRAY SAND WITH SILT (SP), moist, loose, fine to medium, few fines, few gravel
	0.9				44		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few subrounded gravel up to 1-inch diameter
	2.2				46		DARK GRAY SILTY SAND WITH GRAVEL (SM), moist, medium dense, fine to coarse, little fine subrounded gravel up to 1-inch diameter, little fines
	2.2				48		at 48 feet: gray, some fines, gravel up to 1.5-inch diameter
	15.7				50		
	3.0				52		DARK GRAY SAND WITH SILT (SP), moist, loose, fine to medium, few fines, trace subrounded gravel up to 1-inch diameter
	4.3				54		DARK GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little gravel
	17.1				56		DARK GRAY SANDY SILT (ML), moist, firm, some fine to medium sand, trace subrounded gravel up to 1.5-inch diameter
	21.5				58		GRAY SILTY SAND WITH GRAVEL (SM), moist, medium dense, fine to coarse, some fines, little subrounded gravel up to 1.5-inch diameter
	20.5				60		at 57 feet: sample submitted for physical analysis at 60 feet: fine to medium sand, dense, few gravel
	2.5				62		
	2.4				64		
	1.4				66		at 68 feet: little fines
	27.7				70		
	36.7				72		at 73 feet: sample submitted for physical analysis
31.7	74						
38.6	76	at 77 feet: moist to wet					
26.8	78	GRAY SANDY SILT (ML), moist to wet, firm, some fine to medium sand, trace coarse subrounded gravel					
258.7	80						
46.2	B-209-70	120	70-78	70			
108.9				72			
703.0				74			
9.5	B-209-75	60	76-80	76			
6.6				78			
6.6				80			
3.3							
2.3							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 82 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 Bentonite Grout		B-209-80			82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120		<p>at 80 feet: advanced water sampler from 80 to 82 feet and collected a groundwater sample with a bailer, soil Color-Tec reading <0.003 mg/kg</p> <p>Bottom of Boring at 82 feet bgs. Boring backfilled with bentonite grout.</p>

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 82 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/25/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (4 inches)
	163.6	B-210-6	120		2		DARK BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine subrounded gravel up to 0.25-inch diameter, little fines
	234.1				4		BROWN SANDY SILT (ML), moist, some fine to medium sand, few subrounded gravel up to 2.5-inch diameter, abundant orange staining
	1.1				6		BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine subrounded gravel, abundant inclusions of silty sand up to 2-inch diameter
	15,000				8		DARK BROWN SILTY SAND (SM), moist, fine to coarse, little fines, few fine to coarse subrounded gravel up to 2-inch diameter
	5,158	B-210-15	116		10		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 1.5-inch diameter, heterogeneous
	348.2				12		
	90.2				14		
	331.7	B-210-20	48		16		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine, some fines, little fine to coarse subrounded gravel up to 3-inch diameter
	1678				18		
	51.7				20		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 2-inch diameter
	40.8				22		
	33.3	B-210-35	54		24		GRAY SAND WITH SILT (SP), moist, fine to medium, few fines
	34.4				26		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 2-inch diameter
	18.8				28		
	34.4				30		at 30 feet: little fines
	18.8				32		
	5.2				34		
	20.3				36		
	8.6	B-210-35	56		38		at 38 feet: some fines
11.3				40			
18.8							
14.2							
26.7							
28.1							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 8" 0-50 ft & 6" 50-80 ft
 Drill Date: 08/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Bentonite Grout	80.3	B-210-46	48	42			
	8.2						GRAY SILTY SAND (SM), moist, fine to medium, little fines
	1172						GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 2-inch diameter
	75.5						
	79.6			60	48		
	10.7						(drilled to 50 feet with 8-inch casing, added three feet of hydrated bentonite chips and let sit overnight, pulled back 2 feet and advanced to 80 feet with 6-inch casing)
	13.1						
	10.8						at 55 feet: dense, fine to coarse, little gravel up to 2.5-inch diameter
	11.1	B-210-60	120	56			GRAY SANDY SILT/SILTY SAND (ML), moist, hard, some fine to medium sand, few fine subrounded gravel up to 0.5-inch diameter
	10.1						GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, few subrounded gravel up to 1-inch diameter
6.6						at 59 feet: sample submitted for physical analysis	
5.9							
6.7			60	62			
0.0	B-210-70	60	66			GRAY SANDY SILT (ML), moist, firm, fine to medium, some fines, few subrounded gravel up to 1-inch diameter	
2.6						GRAY SANDY SILT (ML), moist, firm, some fine sand, trace subrounded gravel up to 1-inch diameter, sand grades finer with depth	
0.9							
0.1			60	72			
0.1							
3.1							
10.1	B-210-80	60	78			GRAY SILTY SAND (SM), moist, medium dense, fine to coarse, little fines, trace subrounded gravel up to 1-inch diameter	
6.6	B-900-20		80			at 80 feet: soil Color-Tec reading <0.003 mg/kg	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 8" 0-50 ft & 6" 50-80 ft
 Drill Date: 08/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82		Bottom of Boring at 80 feet bgs. Boring backfilled with bentonite grout.
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 8" 0-50 ft & 6" 50-80 ft
 Drill Date: 08/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Gravel	352.4	B-211-20	53	0-2	0		Concrete (4 inches)
	1,328				2		BROWN SILTY SAND (SM), moist, fine to coarse, some fines, few fine to coarse subangular to subrounded gravel, abundant orange staining
821	4				BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel		
831	4				BROWN SILTY SAND (SM), moist, fine, some fines, trace fine subrounded gravel		
740	6				BROWN SILTY SAND WITH GRAVEL (SM), moist, medium, some fine to coarse subrounded gravel up to 1-inch diameter, little fines		
670	8				BROWN GRAVEL WITH SILT AND SAND (gP), moist to wet, fine to coarse subrounded gravel up to 1-inch diameter, little fine to coarse sand, few fines		
833	10				BROWN SILTY SAND WITH GRAVEL (SM), moist to wet, medium, little fine to coarse subrounded gravel up to 3-inch diameter, little fines		
5.3	12				GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded gravel, occasional orange staining		
12.6	14				GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded gravel, occasional orange staining		
7.8	16				at 18 feet: fine to medium sand, little fines, interbedded layers of fine to medium sand and silty sand up to 1/4 inch thick, abundant orange staining in horizons up to 1/8 inch thick		
7.1	18						
25.3	20				Bentonite Grout		
29.1	22						
24.1	24				GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel		
35.0	26				20		
17.0	28						
1.3	30				GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace fine subrounded gravel		
0.8	30				GRAY SILT (ML), dry to moist, very hard, few fine to coarse sand, trace fine gravel		
2.1	32				GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine subrounded gravel		
3.9	34				B-211-35		
5.4	36						
5.6	36	GRAY SANDY SILT (ML), moist, some fine to medium sand, trace fine subrounded gravel					
781	38	60					
8.9	40						
10.0		at 38 feet: horizon of silt 4 inches thick					
9.0							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 122 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	8.7						
	12.4		56		42		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 2-inch diameter
	10.3				44		
	156.4				46		
	211.1		53		48		
	48.4				50		
	59.7	B-211-50			52		
	201.7		48		54		
	163.6				56		
	322.8		60		58		
	539.3	B-211-57			60		
	51.6				62		
	71.8	B-211-60			64		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded gravel up to 1.5-inch diameter
	63.2				66		at 61 feet: faint chemical-like odor
	15,000		47		68		
	15,000				70		
	15,000	B-211-65			72		at 65 feet: soil Color-Tec reading 0.9 mg/kg
	15,000				74		
	15,000		48		76		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, faint odor
	15,000				78		GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded gravel up to 2-inch diameter
15,000	B-211-70			80		at 71 feet: denser than above	
121.6				82			
342.4		40		84		at 72.5 feet: less dense than above	
15,000				86			
387.9				88			
270.3		60		90			
207.2				92			
15,000	B-211-80			94			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 122 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic





Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description																																												
	313	B-211-90	60	82	82		GRAY SAND WITH SILT (SP), wet, medium, few fines, trace fine subrounded gravel, occasional horizons with greater fines percentage up to 4 inches thick																																												
	15,000						at 83 feet: sample submitted for physical analysis																																												
	246						at 80 feet: soil Color-Tec reading 1.0 mg/kg																																												
	185						B-211-100	60	88	88		GRAY SILTY SAND (SM), wet, fine to medium, little fines, trace fine subrounded gravel, occasional inclusions of siltier sand up to 1.5-inch diameter																																							
	15,000											94	94	94		BROWN SAND (SP), wet, fine to medium, few fines, trace fine subrounded gravel, frequent inclusions and horizons of silty sand up to 0.5-inch diameter																																			
	15,000															98	98	98		at 98 feet: gray, fine sand, occasional horizons of brown sand																															
	15,000																			100	100	100		at 99 feet: brown, medium sand, attempt to collect water sample but can't recover enough water with bailer																											
	15,000																							102	102	102		at 100 feet: soil Color-Tec reading <0.003 mg/kg																							
	15,000																											104	104	104		at 105 feet: gray, fine to medium, trace fine to coarse gravel																			
	15,000																															106	106	106		at 107 feet: medium to coarse sand															
	15,000																																			108	108	108		at 108 feet: fine to medium sand											
	15,000																																							110	110	110		at 109 feet: horizon 4 inches thick with little coarse subrounded gravel from 1- to 1.5-inch diameter							
15,000	112	112	112		at 110 feet: advanced water sampler from 110 to 112 feet and collected groundwater sample with bailer																																														
15,000					114	114																																						114		GRAY SILTY SAND WITH GRAVEL (SM), wet, fine to coarse, some fine to coarse subrounded gravel up to 3-inch diameter, little fines, rare cobbles, faint odor					
15,000																																														116	116	116		GRAY SILTY GRAVEL (GM), wet, fine to coarse subrounded gravel up to 1.5-inch diameter, some medium to coarse sand, little fines, occasional clusters of gravel up to 2- to 3-inch diameter, frequent horizons of sandier soil 4 to 6 inches thick	
352.3							B-211-110	41	118	118																																									
15,000												120	120	120																																					
15,000																B-211-120	45	120	120																																
101.6																																																			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 122 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 Bentonite Grout		B-211-120-W			122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160		<p>at 120 feet: soil Color-Tec reading <0.003 mg/kg, drove water sampler and collected sample with bailer</p> <p>Bottom of Boring at 122 feet bgs. Boring backfilled with bentonite grout.</p>

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 122 Feet
 Diameter of Boring: 6 inches
 Drill Date: 08/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Bentonite Grout</p>					0		Concrete (4 inches)
					2		LIGHT BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, some fines, little fine to coarse subangular to subrounded gravel up to 1-inch diameter, trace anthropogenics, soil cleared with air knife to 7.5 feet (FILL)
	5.7				4		
	3.1		48		6		
	4.2				8		at 8 feet: sharp color change to brown
					10		
	2.9				12		
	4.0	B-212-15	120		14		GRAY SANDY SILT (ML), moist, some fine to coarse sand, few fine to coarse angular to subangular gravel up to 1.5-inch diameter, trace wood fragments up to 1/16 inch, light brown mottling
	4.4				16		
	13.3				17		at 17 feet: horizon 6 inches thick of dark brown soil with few wood fragments up to 2 inches
	1.4				18		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, some fine to coarse subangular to subrounded gravel up to 2-inch diameter, little fines
	1.9	B-212-21			20		at 20 feet: gray to dark brown, angular to subangular gravel up to 1-inch diameter, gravel coated in tar-like material (asphalt?)
	156.7				22		
	10.8			60	24		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine subangular to subrounded gravel up to 0.75-inch diameter, little fines
	2.0				26		BROWN SAND WITH GRAVEL (SP), moist, fine to coarse, little fine subangular to subrounded gravel up to 0.75-inch diameter, trace silt
	2.0				27		at 27 feet: fine sand
	14.0				28		BROWN SILTY SAND (SM), wet, fine to medium, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter
	14.5				30		at 31 feet: lenses of fine to coarse sand up to 6 inches thick
	15.0				32		at 33 feet: brown to gray, gravel up to 1.5-inch diameter, orange mottling
	15.1			120	34		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine subangular to subrounded gravel up to 0.75-inch diameter
13.7	B-212-35			36			
16.1				38			
17.1				40			
17.2			60				
0.3							
12.2							
17.4							
14.5							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 100 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	4.4						at 41 feet: some fines
	16.4		60		42		
	17.9	B-212-45			44		GRAY SANDY SILT (ML), moist, some fine to coarse sand, few fine to coarse angular to subrounded gravel up to 1-inch diameter
	25.3	B-907-25			46		
	6.5				48		
	8.7				48		GRAY SILTY SAND (SM), moist, fine to medium sand, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter
	18.3		60		50		GRAY SILT (ML), moist, hard, trace fine sand, low plasticity
	16.0				52		
	14.7				54		at 54 feet: sample submitted for physical analysis
	14.9	B-212-55	120		56		GRAY SANDY SILT (ML), moist, firm, some fine sand, few fine subangular to subrounded gravel up to 0.5-inch diameter
	15.4				58		
	13.8				60		GRAY SILTY SAND (SM), moist, dense, fine to coarse, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter
	16.1				62		
	13.1				64		GRAY SILT (ML), wet, soft, trace fine sand
	16.5	B-212-65	60		66		
	15.9				68		
	1.6				70		at 71 feet: moist, very hard
	3.9				72		
	2.4				74		GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few fine subangular to subrounded gravel up to 0.5-inch diameter
	1.8	B-212-75	108		76		
3.8				78			
2.9				80			
2.9							
6.1							
5.4							
6.4							
7.2							
1.8							
5.4							
5.6							
4.4							
4.0			96				
7.4							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 100 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic










Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	9.0	B-212-85	96	81-82	81		at 81 feet: soft
	8.7				82		GRAY SILT (ML), moist, hard, trace fine sand
	4.7				84		
	3.0				86		at 85 feet: little fine to coarse sand
	1.3	B-212-95	120	88-89	88		at 88 feet: few fine sand, hard
	2.3				89		
	9.7	B-212-100	100	90-91	90		GRAY SAND WITH SILT (SP), moist, loose, fine to medium, few fines
	5.1				92		
	3.9				94		
	0.8				96		GRAY SILTY SAND (SM), moist, medium dense, fine to coarse, little fines
1.9				98			
2.2				100		at 100 feet: attempted to collect water sample but couldn't advance sampler, soil Color-Tec reading <0.003 mg/kg	
2.8				102		Bottom of Boring at 100 feet bgs. Boring backfilled with bentonite grout.	
1.8				104			
1.1				106			
2.1				108			
2.8				110			
2.7				112			
				114			
				116			
				118			
				120			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 100 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 Gravel					0		Asphalt (4 inches)
					2		GRAVEL (GP), road bed gravel, (FILL)
	7.5				4		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse subangular to subrounded gravel up to 1-inch diameter, little fines, air knifed to 3 ft bgs (FILL)
			84		6		
	7.5				8		
	15.2				10		at 10 feet: wet, some gravel, some fines
	15.7				12		
	16.7				14		
	15.9	B-213-15	120		16		
	15.9				18		GRAY SAND WITH GRAVEL AND SILT (SP), moist, fine to coarse sand, some fine to coarse subangular to subrounded gravel up to 1-inch diameter, few fines, little cobbles up to 5-inch diameter
	18.9				20		
	16.3				21.5		at 21.5 feet: lense of black staining with hydrocarbon-like odor 6 inches thick
	42.6				22		LIGHT GRAY TO LIGHT BROWN SAND (SP), moist, fine to coarse, few fine subangular to subrounded gravel up to 0.75-inch diameter, few fines
	122.4	B-213-21.5			24		
	24.2				26		
	19.7				27		at 27 feet: lense of fine to coarse silty sand with little fines 3 inches thick, orange mottling
	12.8	B-213-25	120		28		
	31.4				29		at 29 feet: light gray, no mottling
	24.8				30		at 30 feet: homogeneous
	20.2				32		
	16.4				34		
	8.7				36		
	13.0		60		38		
	15.8				40		
	19.1	B-213-35					LIGHT GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine subangular to subrounded gravel up to 0.5-inch diameter, homogeneous
	10.9						
	14.0						
	11.0		60				
	9.6						
	8.1						

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 125 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	16.4	B-213-45	108	108	42		LIGHT GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter
	16.0						
	15.8						
	15.8						
	13.3						
	15.2	B-213-55	60	60	46		LIGHT GRAY SILT WITH SAND (ML), moist, little fine to coarse sand, few subangular to subrounded gravel
	15.1						
	15.0						
	21.5						
	16.6						
	16.8	B-213-65	60	60	54		GRAY SANDY SILT (ML), moist, soft, some fine to medium sand, few finesubangular to subrounded gravel up to 0.75-inch diameter
	13.6						
	13.9						
	12.7						
	13.4						
	14.5	B-213-75	120	120	60		GRAY SILT (ML), moist, firm, few fine to medium sand
	11.5						
	20.1						
	13.4						
	15.4						
16.9				64		GRAY SANDY SILT (ML), moist, soft, some fine to medium sand, few fine subangular to subrounded gravel up to 0.75-inch diameter	
17.0							
6.8							
4.4							
3.5							
1.6							
1.4							
1.0							
2.7							
1.6							
1.1							
11.2							
15.1							at 78 feet: moist to wet
15.2							
13.8							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 125 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




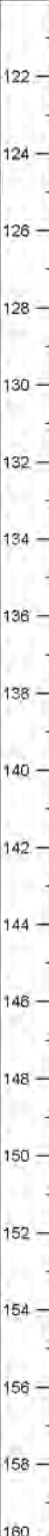



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	14.7	B-213-85	60	82-84	82		GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, few fine to coarse subrounded gravel up to 1-inch diameter,
	11.7						
	14.5						
	14.6						
	15.7	B-213-90-W	60	86-88	86		GRAY SILTY SAND (SM), moist, very dense, fine to medium, some fines, few subangular to subrounded gravel up to 0.75-inch diameter
	1.1						
	4.2						
	1.4						
	0.8	B-213-95	120	90-92	90		GRAY SILTY SAND (SM), wet, very loose, fine to coarse, little fines
	0.3						
	8.7						
	8.7						
	7.5	B-213-105	120	94-96	94		at 90 feet: trace gravel up to 2-inch diameter, trace cobbles, advanced water sample screen from 90 to 92 feet and collected groundwater sample with bailer, groundwater Color-Tec reading <3 ug/L
	9.7						
	8.5						
	7.0						
	7.3	B-906-110	120	98-100	98		at 99 feet: sample submitted for physical analysis
	6.9						
	1.8						
	11.2						
12.5	B-213-115	60	102-104	102		GRAY SILTY SAND (SM), wet, dense to very dense, fine, little fines, elongated vertical inclusions of green fine to medium sand up to 1 inch thick	
5.3							
6.8							
11.0							
12.5	B-213-115	60	106-108	106		at 115 feet: soil Color-Tec reading <0.003 mg/kg	
6.4							
5.0							
5.7							
5.4	B-213-115	60	110-112	110			
3.6							
5.7							
4.9							
3.7	B-213-115	60	114-116	114			
5.8							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 125 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	7.0	B-213-125					at 121 feet: green staining
	7.9						at 121 feet: green staining
	5.4						GRAY SILTY SAND WITH GRAVEL (SM), fine to coarse, little fine to coarsesubangular to subrounded gravel up to 1-inch diameter, little fines
	5.1						at 125 feet: sample submitted for physical analysis, soil Color-Tec reading <0.003 mg/kg, attempted to collect water sample but couldn't advance water sampler
							Bottom of Boring at 125 feet bgs. Boring backfilled with bentonite grout.

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: N/A

Total Drilled Depth: 125 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic









Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (10 inches)
					2		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subangular to subrounded gravel up to 3-inch diameter, little fines, occasional subrounded cobbles up to 4-inch diameter, occasional orange staining, air knifed to 7 ft bgs
	0.1				6		
	2.1				8		
	3.3				10		at 10 feet: no staining
	3.9			96	12		
	3.5				14		
	3.7				16		
	1.9				18		at 19 feet: slightly coarser sand, few gravel
	5.1	B-214-15			20		
	2.7				22		BROWN SANDY SILT (ML), moist, some fine to medium sand, few fine subrounded gravel, non-plastic
	4.5			60	24		GRAY-BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel up to 1-inch diameter
	3.5				26		at 25 feet: little gravel
	4.6				28		BROWN SILT WITH SAND (ML), moist, little fine to coarse sand, non-plastic, frequent orange staining
	3.4				30		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel, subrounded cobbles up to 4-inch diameter
	5.3	B-214-25		120	32		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel
	4.2				34		
	5.1				36		
	3.8				38		
	2.7				40		at 30 feet: occasional inclusions of medium sand
3.2							
4.8							
4.5							
7.9							
6.4							
9.0	B-214-35		120				
3.8							
6.9							
7.6							
5.5							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 120 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/07/17-09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic









Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	4.2	B-214-45	120	42-46	42		
	4.3				44		
	4.8				46		
	3.2				48		
	3.5	B-214-55	60	50-54	50		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace fine subangular to subrounded gravel up to 0.75-inch diameter at 50 feet: (sample fell out of sampler during bagging and was collected as dry powder)
	1.3				52		
	3.4				54		
	2.3				56		
	2.3	B-214-65	120	60-64	60		at 60 feet: (sample fell out of sampler during bagging and was collected as dry powder) GRAY SILT WITH SAND (ML), moist, little fine sand, trace fine subangular to subrounded gravel
	2.9				62		
	1.4				64		
	3.1				66		
	1.6	B-214-75	60	68-72	68		GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few fine to coarse subangular to subrounded gravel, occasional cobbles GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few fine to coarse subangular to subrounded gravel up to 2-inch diameter
	3.1				70		
	1.9				72		
	1.0				74		
	1.3	B-214-75	120	74-78	74		
	5.5				76		
	4.9				78		
	2.8				80		
3.1							
3.7							
5.0							
3.5							
4.5							
2.1							
5.1							
7.2							
6.0							
5.3							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 120 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/07/17-09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	5.4	B-214-85 B-908-100	120		82		GRAY SANDY SILT (ML), moist, hard, some fine sand, non-plastic
	5.6				84		
	1.7				86		
	2.2				88		
	4.9				90		
	7.1	B-214-95	120		88		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to rounded gravel, higher moisture content, abundant irregular inclusions of medium sand
	6.3				92		
	8.1				94		
	7.8				96		
	4.3				98		
	6.6	B-214-105	120		100		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little fine to coarse subrounded to rounded gravel up to 2-inch diameter, fine wood organics, flattened wood piece 4 inches long
	4.8				102		
	6.9				104		
	6.7				106		
	6.8				108		
	7.0	B-214-115	120		102		at 99 feet: some gravel, occasional irregular inclusions of medium sand, higher moisture content, soil Color-Tec reading <0.003 mg/kg
	4.5				110		
	5.4				112		
	4.8				114		
	5.0				116		
4.3	B-214-120	120		102		BROWN WOOD, wet (tree trunk?)	
4.8				104			
5.0				106			
4.3				108			
2.9				110			
2.8							at 110 feet: fine sand, trace gravel
2.5							at 112 feet: brown, abundant orange mottling, intervals of slightly coarser sand up to 6 inches thick
0.9							at 115 feet: gray, fine sand coarser than above
1.3							
0.4							
1.5							
1.9							
0.9							
2.1							
1.9							at 120 feet: soil Color-Tec reading <0.003 mg/kg

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 120 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/07/17-09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					122		Bottom of Boring at 120 feet bgs. Boring backfilled with bentonite grout.
					124		
					126		
					128		
					130		
					132		
					134		
					136		
					138		
					140		
					142		
					144		
					146		
					148		
					150		
					152		
					154		
					156		
					158		
					160		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 120 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/07/17-09/08/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Asphalt (4 inches)
					2		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subangular to subrounded gravel up to 3-inch diameter, little fines, air knifed to 7 ft bgs
	3.9		36		8		at 8 feet: wet
	4.1				10		at 9 feet: moist
	2.1				12		
	5.3		60		14		
	6.3				16		
	6.6	B-215-15			17		at 17 feet: medium sand
	7.1				18		
	9.8		60		20		
	6.7				22		
	6.9				24		
	9.5				26		
	9.8				28		
	10.0	B-215-25	120		30		
	7.9				32		
	12.7				34		
	17.1				36		
	19.2				38		
	1.9				40		
20.2							
21.6							
22.1							
23.0							
31	B-215-35	120					
6.7							
11.8							
9.6							
5.8							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/12/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	2.1	B-215-45	120		42		
	3.7						
	6.8						
	5.7						
	6.8						
	10.4	B-215-55	60		50		at 49 feet: slightly coarser sand, gravel up to 2-inch diameter
	9.3						
	5.1						
	3.8						
	4.7						
	13.6	B-215-65	120		54		GRAY SILT WITH SAND (ML), moist, hard, little fine sand, trace fine subrounded to rounded gravel up to 0.75-inch diameter, non-plastic
	17.1						
	10.6						
	6.7						
	6.8						
	10.9	B-215-75	120		60		at 58 feet: moist to wet, some gravel up to 3-inch diameter, occasional cobbles
	21.4						
	46.3						
	56.2						
	27.6						
21.3	B-215-75	120		62		at 61 feet: few gravel	
18.4							
12.7							
13.1							
10.1							
9.7	B-215-75	120		64		at 65.5 feet: soil Color-Tec reading 0.380 mg/kg	
4.1							
5.3							
2.9					72		GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few gravel, non-plastic
					74		
					76		
					78		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines
					80		GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few gravel, non-plastic

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/12/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	16.3						
	22.0				82		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter
	31.5				84		
	31.5	B-215-85					at 85 feet: soil Color-Tec reading <0.003 mg/kg
	14.4	B-909-105			86		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel
	13.8				88		
	11.3				90		GRAY SILTY SAND WITH GRAVEL (SM), wet, fine to medium, some fine to coarse subrounded to rounded gravel up to 3-inch diameter, little fines, occasional cobbles
	12.6		120		92		BROWN SAND (SP), wet, fine to medium, few fine to coarse subrounded to rounded gravel, few fines
	13.1				94		at 95 feet: attempted to collect water sample but couldn't advance sampler, soil Color-Tec reading <0.003 mg/kg
	18.7				96		Bottom of Boring at 95 feet bgs. Boring backfilled with bentonite grout.
	9.2	B-215-95			98		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/12/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic





Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (3 inches)
	7.3				2		DARK BROWN SANDY SILT (ML), moist, little fine to coarse sand, abundant organics
	7.0				4		BROWN SANDY SILT (ML), moist, little fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter, abundant orange staining, occasional gray to dark gray mottling
	7.9			101	6		
	12.3				8		GRAY SILTY SAND (SM), moist to wet, fine, little fines
	10.6				10		BROWN SANDY SILT (ML), moist, little fine to coarse sand, few fine to coarse subangular to subrounded gravel, abundant orange staining, occasional gray to dark gray mottling
	12.3				12		GRAY SILTY SAND (SM), moist to wet, fine to medium, some fines, trace fine subrounded gravel up to 0.25-inch diameter, sewer-like odor
	14.1				14		BROWN SILT (ML), moist to wet, hard, trace fine sand, non-plastic, abundant orange staining, sewer-like odor, at 13 feet: soil Color-Tec reading <0.003 mg/kg
	186.3			120	16		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 1.5-inch diameter
	194.6				18		BROWN SILTY SAND (SM), moist, medium, little fines
	24.2				20		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 1.5-inch diameter
	10.7				22		GRAY SILT WITH SAND (ML), moist, little fine to medium sand, few fine to coarse subangular to subrounded gravel up to 2-inch diameter, non-plastic
	3.7				24		at 24 feet: brown
	8.3		B-216-20		26		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel
	1.8				28		
	11.4				30		
	12.2			120	32		at 33 feet: abundant irregular lenses of medium sand
	12.9				34		GRAY SILTY SAND (SM), wet, medium, little fines
	10.3				36		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 2-inch diameter
	14.2				38		
13.7				40			
16.1							
7.1							
9.3							
9.8							
9.4							
38.8							
24.0							
9.1							
17.6							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
	7.1	B-216-40	120	[Sample Interval]	42		GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace coarse subrounded gravel up to 1-inch diameter	
	12.4				44			
	8.0				46			
	10.9				48			
	19.5		B-216-50	36	[Sample Interval]	50	[Graphic Log Symbols]	at 50 feet: soil Color-Tec reading 0.007 mg/kg
	18.9					52		
	18.7		B-216-55	60	[Sample Interval]	54	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few gravel
	12.2					56		
	8.9		B-216-65	60	[Sample Interval]	60	[Graphic Log Symbols]	GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel up to 1.75-inch diameter
	9.6					62		
	9.3		B-216-65	60	[Sample Interval]	64	[Graphic Log Symbols]	GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel up to 1.75-inch diameter
	8.9					66		
	11.3		B-216-65	60	[Sample Interval]	68	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine to coarse subrounded gravel
	6.3					70		
	5.9		B-216-65	60	[Sample Interval]	72	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine to coarse subrounded gravel
	5.5					74		
	7.9		B-216-65	60	[Sample Interval]	76	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine to coarse subrounded gravel
	7.4					78		
	6.5		B-216-65	60	[Sample Interval]	76	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine to coarse subrounded gravel
	4.4					78		
3.2		B-216-65	60	[Sample Interval]	76	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine to coarse subrounded gravel	
3.1					78			
4.5		B-216-65	60	[Sample Interval]	80	[Graphic Log Symbols]	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description		
	2.6	B-216-85	120		82				
	14.7								
	12.3								
	11.4								
	11.9								
	10.4								
	11.4	B-216-95				88			
	10.3					90			
	12.3					92			
	10.9					94		BROWN SILTY SAND (SM), wet, medium, little fines, few fine to coarse subrounded to rounded gravel at 95 feet: soil Color-Tec reading <0.003 mg/kg	
	10.5					96		Bottom of Boring at 95 feet bgs. Boring backfilled with bentonite grout.	
							98		
							100		
							102		
							104		
				106					
				108					
				110					
				112					
				114					
				116					
				118					
				120					

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 95 Feet
 Diameter of Boring: 6 inches
 Drill Date: 09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description					
	1.2	B-217-15	56	0-4	0		Concrete (4 inches)					
	1.4				2		GRAY-BROWN SANDY SILT (ML), moist, some fine to medium sand, trace fine subangular gravel up to 0.75-inch diameter					
	1.6				4		RED-BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subrounded to rounded gravel up to 2-inch diameter, little fines at 1.5 feet: gray-brown, occasional orange staining					
	0.8				6		BROWN SILTY SAND (SM), moist, fine, little fines, few coarse subrounded gravel up to 1.5-inch diameter, frequent irregular inclusions of medium sand up to 1 inch thick, frequent orange staining, soil varies over 0.25- to 1.5-inch intervals, very heterogeneous (FILL?)					
	2.0				120		10	at 10 feet: gray-brown				
	2.8						12	BROWN AND GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel				
	1.6						14					
	1.0						16	at 16 feet: occasional light orange staining in subhorizontal bands				
	2.4				B-217-25		60	18-24	18		20	BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel, occasional orange staining
	2.7								22		BROWN SAND WITH SILT (SP), moist, medium, some coarse rounded gravel up to 2-inch diameter, few fines	
	1.6	24	BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel, occasional orange staining									
	2.1	26	GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel									
	1.7	B-217-35	120	28-38	28		29	at 29 feet: horizon of silt with sand 4 inches thick				
	3.2				30							
	3.3				32							
	11.0				34							
	8.6				36		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel					
	13.1				38		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel					
	15.2	40										

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 115 Feet
 Diameter of Boring: 6-inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description				
	214.6	B-217-42	120	42	42		GRAY SILTY SAND (SM), moist to wet, fine to medium, some fines, trace fine gravel, frequent inclusions of medium sand				
	130.0						at 42 feet: soil Color-Tec reading 65 mg/kg				
	214.7						B-217-55	60	44	44	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 2-inch diameter
	51.4										
	20.4										
	5.7										
	5.9	B-217-65	60	50	50		GRAY SILT (ML), moist to wet, trace fine sand, non-plastic				
	11.3										
	18.9										
	40.6										
	6.8	B-217-75	120	52	52		GRAY SILTY SAND (SM), moist, fine, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter				
	13.7										
	16.9										
	20.4										
	7.4	B-217-65	60	54	54		GRAY SANDY SILT (ML), moist, fine to medium, little fine to medium sand, trace fine to coarse subrounded gravel				
	15.0										
	21.1										
	55.7										
	49.6	B-217-75	120	56	56						
	15.1										
10.5											
61.4											
5.5	B-217-75	120	58	58							
3.0											
3.9											
2.7											
1.0	B-217-75	120	60	60							
1.1											
1.3											
0.4											
0.2	B-217-75	120	62	62							
1.1											
2.0	B-217-75	120	64	64							
2.0											

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 115 Feet
 Diameter of Boring: 6-inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description		
	14.0	B-217-85	120	80-82	81		at 81 feet: some sand		
	2.9				82				
	2.4				84			GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel	
	7.3				84				
	4.2				86				
	12.7	B-217-95	60	92-94	94		GRAY SAND (SP), wet, fine to medium, few fines		
	13.6				96			GRAY SILTY SAND WITH GRAVEL (SM), wet, fine to coarse, some fine to coarse subangular to subrounded gravel, little fines	
	27.2				96			at 95 feet: soil Color-Tec reading <0.003 mg/kg	
	1.6				98				GRAY SAND WITH SILT (SP), moist to wet, medium, few fines
	2.8				98		at 97 feet: submitted a sample for physical analysis		
	2.7	B-217-106	120	100-102	100		at 98 feet: few fine to coarse subangular to subrounded gravel up to 1.5-inch diameter		
	6.1				100		at 99.5 red-brown		
	4.6				102			BROWN SILTY SAND (SM), wet, fine, little fines	
	6.3				102				at 105 feet: soil Color-Tec reading 0.640 mg/kg, attempted to collect a water sample but couldn't advance sampler
	6.2				104				at 106 feet: gray brown, fine to medium sand
	8.0	B-217-115	120	108-110	108		at 108 feet: gray brown, fine to medium sand		
	9.8				110			at 110 feet: gray, occasional horizons of finer sand up to 0.75 inches thick	
	14.2				110				at 115 feet: soil Color-Tec reading <0.003 mg/kg, attempted to collect a water sample but couldn't advance sampler
	17.1				112				Bottom of Boring at 115 feet bgs. Boring backfilled with bentonite grout.
	37.7				114		114	116	118

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 115 Feet
 Diameter of Boring: 6-inches
 Drill Date: 09/05/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic






Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (4 inches)
	0.7	B-218-12.5	60		2		BROWN SILTY SAND (SM), moist, fine to medium, little fines, few subangular to subrounded gravel
	1.6				4		at 3 feet: orange-brown staining
	2				6		
	1.7				8		GRAY SILTY SAND (SM), moist, fine to medium, little fines, trace fine subangular gravel up to 0.25-inch diameter
	2				10		
	2.1				12		BROWN SILTY SAND (SM), moist, fine, some fines, abundant orange staining
	2	B-218-19	120		14		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little subangular to subrounded gravel up to 2.5-inch diameter, occasional cobbles, abundant orange staining
	3.2				16		GRAY SILTY SAND (SM), moist, fine, some fines, abundant orange staining
	77.6				18		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine, little subangular to subrounded gravel up to 3-inch diameter, little fines
	35.7				20		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel, abundant orange and gray mottling
	83.8	B-218-25	120		22		GRAY SILTY SAND (SM), wet, fine to medium, little fines, trace fine to coarse subrounded to rounded gravel, interbedded with horizons 0.5 to 1 feet thick of BROWN SANDY SILT (ML), moist to wet, some fine sand, abundant staining
	17				24		at 25 feet: occasional horizons of medium sand up to 2 inches thick
	50.9				26		
	2.6				28		BROWN SILTY GRAVEL (GM), wet, fine to coarse subangular to subrounded gravel, some fine to coarse sand, little fines, occasional cobbles
	2.9				30		BROWN GRAVEL WITH SILT AND SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, some fine to coarse sand, few fines, frequent cobbles
	3.5				32		
	12.3				34		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel
	10.2				36		
	6.2				38		
8.1				40			
2.7							
3.4							
7.9							
6.1							
5							
5.7							
4.2							
10.1							
17.3							
10.3							
3							
2.3							
45.4							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/18/17-09/19/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic














Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	24.6	B-218-40	120		42		GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few subangular to subrounded gravel up to 3-inch diameter, rare cobbles
	22.6				44		
	20.1				46		
	42				48		
	60.3	B-218-50			47.5		at 47.5 feet: no gravel
	55.5				49		at 50 feet: soil Color-Tec reading 1.00 mg/kg
	99.5				50		
	64.3	B-913-70			50		Bottom of Boring at 50 feet bgs. Boring backfilled with bentonite grout.
	174.1				52		
					54		
	56						
	58						
	60						
	62						
	64						
	66						
	68						
	70						
	72						
	74						
	76						
	78						
	80						

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/18/17-09/19/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic












Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (5 inches)
					2		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, abundant anthropogenic material (FILL)
		39.4		30	4		
					6		at 6.5 feet: gray, fine to coarse subrounded gravel up to 1.5-inch diameter
		44.6		48	8		
		12.1			10		BROWN SANDY SILT (ML), moist, firm, some fine to medium sand, few gravel, orange mottling
					12		BROWNISH GRAY SILTY SAND (SM), moist, fine to medium, some fines, few subrounded gravel up to 1-inch diameter
		3.7		120	14		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little subrounded gravel up to 1.5-inch diameter, little fines
		4.6			16		
		3.4			18		
		1.3			20		
		12.4			22		GRAY SILTY SAND (SM), moist, medium dense, fine to medium, little fines, trace subrounded gravel up to 1-inch diameter, grades finer with depth
		6.2			24		at 25 feet: wet, some fines
		3.8		120	26		GRAY SAND WITH SILT (SP), wet, medium dense, fine to medium, few fines
		8.5			28		GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter, orange mottling
		24.4			30		
		2.3			32		GRAY SILTY SAND (SM), wet, loose, fine to medium, little fines, trace subrounded gravel up to 3-inch diameter, cobbles
	10.6		60	34		GRAY SILTY SAND WITH GRAVEL (SM), moist, some fines, few subrounded gravel up to 1-inch diameter	
	11			36			
	6.6			38			
	3.7		60	40		at 40 feet: attempted to collect water sample but couldn't advance sampler	
	4.4						
	1						
	1.6						
	0.9						

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6-inches
 Drill Date: 8/28/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	2.7	B-219-42	60	42	41		at 41 feet: fine to medium, dense, trace gravel
	7.2				42		
	1.3				44		
	1.7				46		
	2	B-219-50	48	50	46		at 46 feet: wet, coarse sand, little fines
	8.4				48		
	9.2				52		
	3.2				54		
	3.7	B-219-60	84	60	50		at 50 feet: moist, rare subrounded cobbles
	15.9				62		
	4.7				64		
	6				66		
	1.7	B-219-70	84	70	58		at 54 feet: fine to medium
	1.7				68		
	4.4				70		
	2				72		
	1.4	B-219-80	60	80	62		GRAY SANDY SILT (ML), wet, firm, some fine to medium sand, trace subrounded gravel
	2.2				74		
	6.2				76		
	7.1				78		
5.9	B-219-80	60	80	70		GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter	
5.8				72			
6				74			
3.4				76			
3.3	B-219-80	60	80	78		at 73 feet: collected sample for physical analysis	
2.1				80			
3.5	B-219-80	60	80	80		at 80 feet: very dense, soil Color-Tec reading <0.003 mg/kg, attempted to collect water sample but couldn't drive water sampler	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6-inches
 Drill Date: 8/28/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82		Bottom of Boring at 80 feet bgs. Boring backfilled with bentonite grout.
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: N/A

Total Drilled Depth: 80 Feet
 Diameter of Boring: 6-inches
 Drill Date: 8/28/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	0.3	B-220-15	60	0-4	0	Concrete (4 inches)	Concrete (4 inches)
	0.5				2	GRAY SILTY SAND (SM), moist, fine to coarse, little fines, fine to coarse subangular to subrounded gravel up to 1-inch diameter, rare anthropogenic material, (FILL) at 3 feet: yellow, fine sand, fine gravel-sized particles, consolidated cobble	
	0.9				4	BLACK FILL, moist, frequent to abundant anthropogenic material, occasional wood pieces, orange staining	
	1.7				6		
	0.8				8	GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few fine subangular to subrounded gravel, green staining	
	1.4				10	BLACK FILL, moist, frequent to abundant anthropogenic material, occasional wood pieces, orange staining	
	1.4				12	GRAY GRAVEL WITH SAND (GP), moist, fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, some fine to coarse sand, few fines	
	3.7				14	GRAY SANDY SILT (ML), moist, some fine to medium sand, abundant orange staining	
	3.1				16		
	4.4				18		
	32	20					
	25.1	22	120	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel, abundant brown and orange mottling at 14 feet: horizon 4 inches thick of silty sand, fine, little fines at 15 feet: brown at 15.5 feet: horizon 1 inch thick of silty sand, little fines			
	11.4	24					
	7.7	26		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, some fines, little fine to coarse subangular to subrounded gravel up to 3-inch diameter, frequent cobbles at 20 feet: dark gray, moist to wet, fine to medium sand, few gravel			
	6.4	28					
	7.5	30		at 23 feet: gray, fine to coarse sand, little gravel			
	4.7	32					
	4.8	34					
	7.5	36					
	6.6	38					
9.1	40						
8.2	B-220-29	120	26-30	26	BROWN SANDY SILT (ML), moist, hard, some fine to medium sand, few fine to coarse subangular to subrounded gravel, non-plastic		
5				28	LIGHT BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel at 29 feet: horizon 6 inches thick of silty sand, little fines		
5.3				30	BROWN GRAVEL WITH SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, some fine to coarse sand, few fines		
154.7				32	BROWN SAND WITH SILT (SP), moist to wet, medium, few fine to coarse subangular to subrounded gravel, few fines at 32 feet: soil Color-Tec reading 1.5 mg/kg		
140	B-220-32	120	32-40	32	GRAY SILTY GRAVEL WITH SAND (GM), moist, fine to coarse subangular to subrounded gravel, some fine to coarse sand, little fines		
287.4				34			
333.5				36			
116.6							
110.3							
172							
144.6							
27.3							
34.3							
49							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/20/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
 <p>Bentonite Grout</p>	120.1	B-220-40	120	[Sample Interval Diagram]	42	[Graphic Log]	GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel, (41 to 50 feet bgs soil core fell out of the sampler twice and was recovered on the third attempt)	
	143.6				44			
	223.7				46			
	121.3				48			
	156.3	B-220-50			50			
178.1	B-914-75				50	at 50 feet: soil Color-Tec reading 0.65 mg/kg		
							Bottom of Boring at 50 feet bgs. Boring backfilled with bentonite grout.	
							52	
							54	
							56	
							58	
							60	
							62	
							64	
							66	
							68	
							70	
							72	
							74	
							76	
							78	
							80	

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/20/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic








Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Bentonite Grout</p>	0.6	B-221-16	60	0-6	0	Concrete (4 inches)	Concrete (4 inches)
	1.8				2	BROWN SILTY SAND (SM), moist, fine, little fines, trace fine subrounded to rounded gravel	BROWN SILTY SAND (SM), moist, fine, little fines, trace fine subrounded to rounded gravel
	1.2				4	at 4 feet: some fines	at 4 feet: some fines
	2.4				6	GRAY SAND WITH SILT (SP), moist, fine, few fines, trace fine to coarse subrounded to rounded gravel	GRAY SAND WITH SILT (SP), moist, fine, few fines, trace fine to coarse subrounded to rounded gravel
	1.3				8		
	1.7				10	DARK GRAY GRAVEL WITH SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, little fine to medium sand, few fines	DARK GRAY GRAVEL WITH SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, little fine to medium sand, few fines
	2.2				12	at 13 feet: some sand	at 13 feet: some sand
	2.4				14	BROWN SILTY SAND (SM), moist, fine to medium, some fines, abundant orange staining	BROWN SILTY SAND (SM), moist, fine to medium, some fines, abundant orange staining
	2				16	DARK GRAY GRAVEL WITH SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, some fine to medium sand, few fines	DARK GRAY GRAVEL WITH SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, some fine to medium sand, few fines
	1.9				18	BROWN SANDY SILT (ML), moist, some fine to medium sand, trace fine subrounded to rounded gravel, abundant orange staining	BROWN SANDY SILT (ML), moist, some fine to medium sand, trace fine subrounded to rounded gravel, abundant orange staining
	2	20	BROWN SILTY SAND (SM), moist, fine, some fines, occasional orange staining	BROWN SILTY SAND (SM), moist, fine, some fines, occasional orange staining			
	2.2	22	at 22 feet: little gravel, little fines, coarser sand with medium to coarse sand inclusions	at 22 feet: little gravel, little fines, coarser sand with medium to coarse sand inclusions			
	14.5	24	at 24 feet: moist to wet, fine to coarse sand, coarser gravel, more frequent inclusions	at 24 feet: moist to wet, fine to coarse sand, coarser gravel, more frequent inclusions			
	38	26	BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subangular to subrounded gravel, little fines, occasional orange staining	BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subangular to subrounded gravel, little fines, occasional orange staining			
	24	30	BROWN SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse subangular to rounded gravel up to 3-inch diameter, few fines, rare cobbles	BROWN SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse subangular to rounded gravel up to 3-inch diameter, few fines, rare cobbles			
	20.5	32	BROWN SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel, non-plastic	BROWN SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel, non-plastic			
	18.1	34	BROWN SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subangular to subrounded gravel	BROWN SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subangular to subrounded gravel			
	128.4	36	B-221-37	84	36		
	71.4	38	B-915-80		38		

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 70 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/20/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
 <p>Bentonite Grout</p>	533.7	B-221-45	60	42-44	42		at 43 feet: some fines, strong chemical-like odor	
	386.5				44		at 45 feet: soil Color-Tec reading >65 mg/kg	
	1396				46		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel, occasional cobbles	
	3588				48			
	15000	B-221-50	60	50-52	50		at 50 feet: soil Color-Tec reading 2.5 mg/kg	
	261.3				52		GRAY SANDY SILT (ML), moist, hard, some fine sand, few fine to coarse subangular to subrounded gravel, non-plastic	
	277.7				54			
	226.1				56			
	250.1	B-221-60	36	58-60	58		at 60 feet: soil Color-Tec reading 2.3 mg/kg	
	22.4				60			
	14				62			
	63.8				64		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel	
	15	B-221-70	60	66-68	66		GRAY SANDY SILT (ML), moist, hard, fine sand, fine to coarse subangular to subrounded gravel, non-plastic	
	41.3				68			at 70 feet: soil Color-Tec reading 0.38 mg/kg
	43.4				70		Bottom of Boring at 70 feet bgs. Boring backfilled with bentonite grout.	
	48.6				72			
	44.1					74		
	123.4					76		
	131.8					78		
	123.3					80		
317.9								
87.3								
106.3								
71.2								
99.3								

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 70 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/20/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic




Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
 <p>Bentonite Grout</p>					0		Concrete (4 inches)	
	3.4		60		2		BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel	
	3				4			
	2.3				6			
	2.1				8		GRAY SILTY SAND (SM), moist, medium, some fines	
	2.7				10		BROWN SAND WITH SILT (SP), moist, fine to medium, few fines, trace fine subrounded gravel	
	5.4				12		GRAY SILTY SAND WITH GRAVEL (SM), moist to wet, fine to coarse, some fines, little subangular to subrounded gravel	
	4.8				14		BROWN SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subangular to subrounded gravel, abundant orange mottling	
	3.1				16			
	9.6		B-222-17	120		18		
	1.2					20		at 21 feet: wet
	7.9					22		
	6.7					24		
	85.7					26		BROWN SAND WITH SILT (SP), wet, medium, few fine to coarse subangular to subrounded gravel, few fines
	83.4		B-222-25	120		28		BROWN SILTY SAND (SM), wet, fine, little fines
	78.3					30		BROWN SILTY SAND (SM), moist to wet, fine to medium, some fines, few fine to coarse subangular to subrounded gravel, abundant staining, heterogeneous inclusions of silt
	125.2					32		
	128.7					34		
	127.2					36		
	62.1					38		at 38 feet: horizon 3 inches thick of medium sand
14					40			
24.1								
10.2								
14.3								
20.5		B-222-34	120					
5.5								
1								
3.5								
6.5								
2.5								
12.6								
2.3								
13.3								
8.8								
4.2								
3.6								

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
 <p>Bentonite Grout</p>	5.7	B-222-42	60		42		at 41 feet: little fines	
	15				44			
	18.2				46		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel	
	38.4				48			
	44.2	B-222-50	60		50		at 50 feet: Soil Color-Tec sample is 0.145 mg/kg	
	30	B-916-30			50		Bottom of Boring at 50 feet bgs. Boring backfilled with bentonite grout.	
						52		
						54		
						56		
						58		
					60			
					62			
					64			
					66			
					68			
					70			
					72			
					74			
					76			
					78			
					80			

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic






Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
	1.4				0		Concrete (4 inches)	
	0.9				2		BROWN SILTY SAND (SM), moist, fine to medium, little fines, trace fine to coarse subangular to subrounded gravel	
	1.7		60		4			
	3				6		at 6 feet: few gravel	
	3.3				8			
	1.3		60		10			
	2.8				12		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel	
	1.3				14		GRAY GRAVEL WITH SILT AND SAND (GP), moist to wet, fine to coarse subangular to subrounded gravel, some fine to coarse sand, few fines	
	2.2				16		BROWN SILTY SAND (SM), wet, fine to medium, little fines, few fine to coarse subrounded to rounded gravel, occasional cobbles, abundant orange and gray mottling, frequent horizons up to 4 inches thick of silt and medium sand, odor	
	5.1		B-223-16	120		18		at 19.5 feet: fine sand at 20 feet: wet, little gravel. gravel size varies
	2.9				20			
	3.2				22		at 24.5: horizon 5 inches thick of dark red-orange staining	
	45.3				24			
	265.5				26		BROWN SAND WITH SILT (SP), wet, fine, few fines	
	268.7				28		at 27 feet: fine to medium sand	
	230.1				30		BROWN SAND WITH SILT (SP), wet, medium to coarse, few fine to coarse subangular to subrounded gravel, few fines	
	210.1				32		BROWN SAND WITH SILT (SP), wet, fine to medium, few fine to coarse subangular to subrounded gravel, few fines	
	72.6				34		at 30 feet: horizon 6 inches thick of coarse sand, abundant staining, strong chemical-like odor at 30.5 feet: horizon 3 inches thick of silt	
	100.1				36		at 34 feet: fine to coarse sand, little gravel	
	103.6		B-223-22	120		38		
	183.7				40		GRAY GRAVEL WITH SILT AND SAND (GP), moist to wet, fine to coarse subrounded to rounded gravel, little fine to coarse sand, few fines	
	125.7						GRAY SILTY SAND (SM), wet, fine to medium sand, little fines	
	53.6						BROWN SILTY SAND (SM), moist, fine, some fines, few fine to coarse subangular to subrounded gravel, abundant staining	
	90.8							
	82.6							
	111.7							
	10.3							
	24.6							
	105.3		B-223-30	120				
	15000							
	107.1							
	50.7							
	39.8							
	10.7							
	10.6							
	9.9							
	13.4							
	30.9		B-223-39	120				
	16.4							

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
 <p>Bentonite Grout</p>	23.7	B-223-47 B-917-57	84 36		42		GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subangular to subrounded gravel
	22.8				44		at 47 feet: Soil Color-Tec reading 0.900 mg/kg
	27.1				46		Soil core from 47 to 50 feet bgs fell out of the sampler down hole and was recovered as "mud"
	26.6				48		
	27.3				50		Bottom of Boring at 50 feet bgs. Boring backfilled with bentonite grout.
	31.6				52		
					54		
					56		
					58		
					60		
	62						
	64						
	66						
	68						
	70						
	72						
	74						
	76						
	78						
	80						

Project: Former American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: N/A

Total Drilled Depth: 50 Feet
 Diameter of Boring: 6-inches
 Drill Date: 9/21/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Concrete	8.7	MW-132-20	60	0-2	0		Gravel/Concrete
	0.9				2		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, few subangular to subrounded gravel up to 1-inch diameter, trace coarse sand, trace debris, and trace sand lenses (FILL)
	0.7				4		@ 7.5 feet: wood and brick debris (~50%)
	0.1				6		
	9.7				8		
	4.7				10		GRAY SILTY SAND (SM), moist, medium dense, fine to coarse, little fines, few subrounded gravel up to 3-inch diameter
	3.1				12		
	4.9				14		GRAY SILTY GRAVEL WITH SAND (GM), moist, subrounded gravel up to 3-inch diameter, little fine to coarse sand, little fines
	3.5				16		DARK GRAY SILTY SAND WITH GRAVEL (SM), moist, medium dense, fine to coarse, few subrounded gravel up to 1-inch diameter, few fines, orange mottling
	11.5				18		@ 18.5 feet: GRAY, medium gravel, trace sand lenses
Sch. 40 PVC Casing	9.1	MW-132-35	120	20-30	20		GRAY SILTY SAND (SM), wet, medium dense, fine to coarse, little fines, few subrounded gravel up to 4-inch diameter
	2.2				22		
	2.4				24		
	1.6				26		GRAY SAND WITH SILT (SP), wet, dense, fine to coarse, few subrounded gravel up to 1-inch diameter, few fines, orange mottling, medium grained sand lenses up to 2-inch diameter present throughout
	0.1				28		
	1.2				30		GRAY SAND (SP), moist, fine to medium, trace subrounded gravel up to 1-inch diameter, trace coarse sand, trace fines, trace silty sand lenses up to 3-inch diameter
	1.3				32		
	8.7				34		GRAY SILTY SAND (SM), moist, medium stiff, fine to coarse, some fines, few subrounded gravel up to 1-inch diameter
	6.6				36		GRAY SAND WITH SILT (SP), wet, loose, fine to medium, few fines, trace subrounded gravel up to 1-inch diameter
	5.2				38		GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, few subrounded gravel up to 1-inch diameter, trace coarse sand, orange mottling
Bentonite Grout	2.5		60	36-40	36		
	3.8				40		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 298

Total Drilled Depth: 83 feet bgs
 Diameter of Boring: 0-55 ft: 8", 55-83 ft: 6"
 Drill Date: 08/22/17-08/23/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	34.2				42		GRAY SAND WITH SILT (SP), wet, loose, fine to medium, few fines, trace subrounded gravel up to 1-inch diameter
	19.1				44		GRAY SANDY SILT (ML), moist, medium dense, fine to medium, little fines, few subrounded to rounded gravel up to 1-inch diameter
	18.2		120		46		
	32.1				48		@ 49 feet: dense
	33.7				50		@ 53 feet: sample collected for physical analysis
	35.7	MW-132-50			52		@ 55 feet: added 6 feet of hydrated bentonite chips, pulled back augers and continued with 6-inch diameter auger
	109		60		54		
	7602	MW-132-55			56		
	74.1		60		58		GRAY SANDY SILT (ML), moist, stiff, some fine to medium sand, trace gravel
Bentonite Grout	93.5	MW-132-60			60		GRAY SILT (ML), moist, trace fine to medium sand
Sch. 40 PVC Casing	72.0				62		GRAY SANDY SILT (ML), moist, some fine to medium sand, trace fine to coarse subrounded gravel up to 1-inch diameter, trace coarse sand
	23.2		60		64		
Bentonite Chips	13.7				66		GRAY SILT (ML), moist, few fine sand
	21.3				68		
	9.8				70		
	9.5				72		GRAY SILTY SAND (SM), moist, fine grained, little fines
	8.5				74		GRAY SANDY SILT (ML), moist, some fine to medium sand, trace subrounded to rounded gravel up to 0.75-inch gravel, trace coarse sand
	8.3	MW-132-70	120		76		
	8.3				78		
	7.8				80		
10x20 Sand	7.5						
0.020-inch Sch. 40 PVC Screen	2.0						
	2.6						
End Cap	1.3		96				

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 298

Total Drilled Depth: 83 feet bgs
 Diameter of Boring: 0-55 ft: 8", 55-83 ft: 6"
 Drill Date: 08/22/17-08/23/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	2.1	MW-132-83					at 82 feet: sample collected for physical analysis
	1.4						at 83 feet: soil Color-Tec reading <0.003 mg/kg
							Bottom of Boring at 83 feet.
							<p>Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.</p> <p>Total Well Depth: 80 feet. Well Sump/Endcap: 79.6 to 80 feet. Well Screen: 69.6 to 79.6 feet. Filter Pack: 67 to 81 feet. Well Seal: 3 to 62 feet (bentonite grout), 62 to 67 and 81 to 83 (hydrated bentonite chips). Surface Seal: 0 to 3 feet (concrete). Well Monument: Flush with grade steel monument.</p>
					84		
					86		
					88		
					90		
					92		
					94		
					96		
					98		
					100		
					102		
					104		
					106		
					108		
					110		
					112		
					114		
					116		
					118		
					120		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 298

Total Drilled Depth: 83 feet bgs
 Diameter of Boring: 0-55 ft: 8", 55-83 ft: 6"
 Drill Date: 08/22/17-08/23/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		GRAVEL/BROKEN CONCRETE (6 inches)
	92.6		48		2		GRAYISH BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, some subrounded gravel up to 1-inch diameter, little fines, trace fill materials, (FILL)
	90.2				4		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fines, little subrounded gravel, increasing moisture content with depth
	14.5		52		6		
	11.9				8		at 9 feet: fine to coarse sand, little fines, little gravel
	6.7				10		at 12 feet: moist to wet, little gravel, some fines, orange mottling, vertical laminations
	9.7				12		
	10.6		60		14		BROWN SILTY SAND (SM), moist to wet, little fines
	17.3				16		BROWN SANDY SILT (ML), moist, some fine to medium sand, few subrounded gravel up to 0.5-inch diameter, orange mottling in laminations, occasional lenses of silty sand
	7.3		60		18		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few subrounded gravel up to 1-inch diameter, trace coarse sand
	13.1				20		
	5.7	MW-133-20			22		at 21 feet: trace subrounded gravel up to 1-inch diameter
	5.7		60		24		
	4.9				26		GRAY SAND WITH SILT (SP), moist to wet, fine to medium, few fines
	4.1		60		28		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter, trace coarse sand, lenses of sand
	2.7				30		
	4.1		60		32		GRAY SANDY SILT (ML), moist, dense, some sand, trace gravel, lenses of sand
	12.1				34		GRAY SAND WITH SILT (SP), moist to wet, fine to medium, few fines
2.4		60		36		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter, trace coarse sand, lenses of sand	
2.2				38		GRAY SANDY SILT (ML), moist, dense, some sand, trace gravel, lenses of sand	
2.7	MW-133-35			40		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter, trace coarse sand, lenses of sand	
2.2		60		42		GRAY SILT WITH SAND (ML), moist, hard, little sand, trace subrounded gravel up to 0.5-inch diameter, rapid dilatancy, distorted lamination, low plasticity	
2.0				44		GRAY SANDY SILT (ML), moist, some fine to medium sand, trace coarse sand, low plasticity	
2.1		60		46			

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 297

Total Drilled Depth: 145 feet bgs
 Diameter of Boring: 8" 0-62.5 ft & 6" 62.5-145 ft
 Drill Date: 08/15/17-08/17/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	10.1						at 41 feet: few gravel
	42.1		48		42		GRAY SILTY SAND (SM), moist, fine to coarse, little fines, trace subrounded gravel up to 1.5-inch diameter
	50.7	MW-133-45			44		
	50.7				46		at 46.5 feet: few subrounded gravel
	53.1		54		48		GRAY SANDY SILT (ML), moist, dense, some fine to medium sand, trace subrounded gravel up to 1.5-inch diameter, low plasticity
	55.5				50		
	10.9		60		52		
	27.5				54		at 55 feet: trace coarse sand, trace subrounded gravel up to 1-inch diameter, soil Color-Tec reading greater than 65 mg/kg
	107.4	MW-133-55			56		
	320	MW-133-58	60		58		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few subrounded gravel up to 1-inch diameter, strong sweet odor
	2376				60		
	1177				62		GRAY SANDY SILT (ML), moist, very stiff, some fine to medium sand, trace coarse sand, trace fine gravel up to 0.5-inch diameter - drilled to 62.5 feet bgs with 8-inch casing, added 5 feet of hydrated bentonite chips and let sit for 40 mins, pulled back 2.5 feet and advanced to 145 feet bgs with 6-inch casing.
	80.5		30		64		GRAY SILT (ML), moist, very stiff to hard, few fine sand, low plasticity, homogeneous
	13.3	MW-133-65			66		at 67 feet: trace subrounded gravel up to 0.5-inch diameter
	20.7		90		68		at 69 feet: little fine sand
	27.2				70		
	20.1				72		GRAY SILTY SAND (SM), moist, medium dense, fine to medium, some fines, few gravel, trace coarse sand, odorless
	16.2		60		74		at 74 feet: large cobble 6-inch diameter
	10.1				76		at 75 feet: soil Color-Tec reading 0.110 mg/kg
	10.3	MW-133-75			78		GRAY SILTY SAND (SM), wet, medium dense, fine to medium, little fines, trace coarse sand, trace subrounded gravel up to 1-inch diameter
	8.8				80		
	4.2		60				
	3.3						
	6.1						
	4.5						

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 297

Total Drilled Depth: 145 feet bgs
 Diameter of Boring: 8" 0-62.5 ft & 6" 62.5-145 ft
 Drill Date: 08/15/17-08/17/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Sch. 40 PVC Casing Bentonite Grout</p>		MW-133-80 -W	0		80		at 80 feet: advanced water sampler screen and collected sample with bailer, depth to water 68.5 feet bgs
	33.3		24		82		GRAY SAND (SP), wet, fine to medium, few fine to coarse subrounded gravel, trace coarse sand, silty sand inclusions up to 1-inch diameter
		MW-133-85			84		
	4.3				86		at 86 feet: fine to coarse, trace fines
	7.0				88		
	1.6	MW-133-90 -W			90		GRAY SILTY SAND (SM), wet, fine to coarse, little fines, few fine to coarse subrounded gravel
	5.6				92		advanced water sampler screen from 90 to 92 feet bgs and collected sample with bailer at 91.5 feet: greenish-gray, frequent horizontal orange staining
	2.1				94		GRAY SAND WITH SILT (SP), wet, fine to medium, few fines, trace fine subrounded gravel
	2.1	MW-133-95			96		
	2.6				98		GRAY SILTY SAND (SM), wet, fine to medium, little fines, trace fine subrounded gravel
	2.8				100		at 100 feet: soil Color-Tec reading <0.003 mg/kg
	1.2	MW-133-100-W			100.5		at 100.5 feet: advanced water sampler screen and collected sample with bailer
					102		at 102 feet: water Color-Tec reading 380 ug/L
	4.6				104		GRAY SAND (SP), wet, fine to medium, few fines, trace fine to coarse subrounded gravel up to 3-inch diameter
	6.2	MW-133-105			105		at 105 feet: greenish-gray, few fine to coarse subrounded gravel up to 1.5-inch diameter
				106		at 106 feet: sample collected for physical analysis	
0.7				108		GRAY SILTY GRAVEL (GM), wet, fine to coarse subrounded gravel up to 2-inch diameter, little fines, trace cobbles	
0.4				110		GRAY SILTY SAND (SM), wet, fine to medium, little fines, trace subrounded gravel up to 0.5 inch diameter	
2.7				112		GRAY SILTY SAND (SM), wet, fine to coarse, some fine to coarse gravel, little fines, frequent inclusions of silty sand up to 2-inch diameter	
5.1				114		GRAY SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse gravel up to 1-inch diameter, few fines, trace cobbles up to 5-inch diameter, abundant inclusions of silty sand up to 2-inch diameter, rare inclusions of silt up to 0.5-inch diameter	
6.3				116			
6.6				118			
2.1				120		at 120 feet: soil Color-Tec reading <0.003 mg/kg	
2.5							
		MW-133-120	40		120		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 297

Total Drilled Depth: 145 feet bgs
 Diameter of Boring: 8" 0-62.5 ft & 6" 62.5-145 ft
 Drill Date: 08/15/17-08/17/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description																																
Bentonite Grout	4.6	MW-133-130	60	122	122		GRAY SILTY GRAVEL WITH SAND (GM), wet, fine to coarse subrounded gravel up to 1-inch diameter, some fine to coarse sand, little fines																																
Bentonite Chips	3.2						42	124	124		GRAY GRAVEL WITH SAND AND SILT (GP), wet, fine to coarse subrounded gravel up to 1-inch diameter, little fine to coarse sand, few fines																												
Sch. 40 PVC Casing	1.7										60	126	126		GRAY SILTY SAND (SM), wet, fine to coarse, little fines, few fine to coarse gravel																								
	1.0														60	128	128		GRAY GRAVEL WITH SILT (GP), wet, fine to coarse subrounded gravel up to 2-inch diameter, few fine to coarse sand, few fines at 130 feet: soil Color-Tec reading 0.070 mg/kg																				
	0.6																		60	132	132		GRAY SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse subrounded gravel, few fines																
10x20 Sand	55.3																						60	134	134		GRAY GRAVEL WITH SILT (GP), wet, fine to coarse subrounded gravel up to 2-inch diameter, few fine to coarse sand, few fines, odd odor at 135 feet: soil Color-Tec reading 0.035 mg/kg												
0.020-inch Sch. 40 PVC Screen	6.2																										120	136	136		GRAY SILTY SAND (SM), wet, fine to coarse, little fines, few fine to coarse subrounded gravel up to 2-inch diameter								
	9.6																														120	138	138		GRAY SILTY SAND (SM), wet, fine to coarse, some fines, few fine to coarse subrounded gravel up to 1-inch diameter at 141 feet: soil Color-Tec reading <0.003 mg/kg				
End Cap	9.2																																		120	140	140		GRAYISH BROWN SANDY SILT (ML), dry to moist, some fine to coarse sand, little fine to coarse subrounded gravel up to 2-inch diameter, low plasticity, occasional orange staining at 144 feet: soil Color-Tec reading <0.003 mg/kg
	6.2																																						120
Slough	4.8	120	144	144		GRAYISH BROWN SANDY SILT (ML), dry to moist, some fine to coarse sand, little fine to coarse subrounded gravel up to 2-inch diameter, low plasticity, occasional orange staining at 144 feet: soil Color-Tec reading <0.003 mg/kg																																	
	9.6					120	146	146		Bottom of Boring at 145 feet.																													
	5.4									120	148	148		Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.																									
														120	150	150		Total Well Depth: 138.9 feet.																					
																		120	152	152		Well Sump/Endcap: 138.5 to 138.9 feet.																	
																						120	154	154		Well Screen: 128.5 to 138.5 feet.													
																										120	156	156		Filter Pack: 126 to 138.9 feet.									
																														120	158	158		Well Seal: 3 to 21 feet and 121 to 126 (hydrated bentonite chips), 21 to 121 feet (bentonite grout).					
																																		120	160	160		Surface Seal: 0 to 3 feet (concrete).	
																																						120	160

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/CJD
 Ecology Well Tag: BKA 297

Total Drilled Depth: 145 feet bgs
 Diameter of Boring: 8" 0-62.5 ft & 6" 62.5-145 ft
 Drill Date: 08/15/17-08/17/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Concrete</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p>	6.4		40		0		LIGHT BROWN SILTY SAND (SM), dry, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter	
	6.5 6.1				2			
	6.5		36		4			
	7.2 7.9				6			
	8.0				8			
	7.6 10.4		96		10		DARK BROWN-BLACK SILTY SAND (SM), fine to medium, some organics and fines, few fine to coarse subangular to subrounded gravel up to up to 1-inch diameter	
	8.7				12			
	5.1 6.5				14		DARK BROWN-BLACK SANDY PEAT (PT), organics (wood/mulch?) up to 3 inches long, little sand, few gravel	
	8.3	MW-134-20			16			
	11.2				18			
	9.6		120		20		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse angular to subrounded gravel, little fines, (fence chain present, FILL?)	
	10.4				22			
	9.8				24		GRAY SILTY SAND (SM), moist, fine to coarse, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter	
	12.2				26		GRAY SILT WITH SAND (ML), moist, hard, little fine sand, few fine to coarse subangular to subrounded gravel up to 1-inch diameter	
	10.0				28			
	9.2				30		at 30 feet: some sand	
	12.6				32		GRAY SILTY SAND (SM), wet, fine, little fines	
	13.6				34			
	14.2			138		36		GRAY SILT WITH SAND (ML), wet, soft, little fine sand
						38		
					40			

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: BKA 294

Total Drilled Depth: 90.3 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/29/17 to 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Chips</p> <p>10x20 Sand</p>	12.2	MW-134-43	84	42-44	42		GRAY SILTY SAND (SM), moist, fine, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter	
	63.3				44			
	12.1				46			
		10.0	MW-134-50	120	48-50	46		LIGHT GRAY TO LIGHT BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse subangular to subrounded gravel up to 1-inch diameter, little fines
	26.5	48						
	25.7	50						
		81.5	MW-134-60	120	52-54	50		GRAY SANDY SILT (ML), moist, hard, some fine to medium sand, few fine subangular to subrounded gravel up to 0.5-inch diameter at 50 feet: attempted to collect water sample but couldn't drive sampler
	25.5	52						
	17.4	54						
		29.4	MW-134-70	120	56-58	40.3		GRAY SANDY SILT (ML), moist, hard, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter
54.7	56							
69.8	58							
	70.1	MW-134-80	48	60-62	14.6		at 60 feet: soil Color-Tec reading 0.23 mg/kg, attempted to collect water sample but couldn't drive sampler	
15.3	60							
13.7	62							
	15.2	B-903-100	60	64-66	15.2		at 70 feet: little sand, collected sample for physical analysis	
13.4	64							
14.9	66							
	23.6	B-903-100	60	68-70	70		GRAY SILTY SAND (SM), moist, dense, some fines, few gravel	
20.2	68							
37.9	70							
	15.2	B-903-100	60	72-74	15.2			
21.5	72							
14.0	74							
	16.4	B-903-100	60	76-78	16.4		at 80 feet: soil Color-Tec reading 0.11 mg/kg	
17.3	76							
	17.3	B-903-100	60	80				

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: BKA 294

Total Drilled Depth: 90.3 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/29/17 to 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>10x20 Sand</p> <p>0.020-inch Sch. 40 PVC Screen</p> <p>End Cap</p>	29.5	MW-134-90	120	[Sample Interval Diagram]	82	[Graphic Log Diagram]	<p>at 90 feet: soil Color-Tec reading <0.003 mg/kg</p> <p>Bottom of Boring at 90.3 feet.</p> <p>Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.</p> <p>Total Well Depth: 90.3 feet. Well Sump/Endcap: 90.0 to 90.3 feet. Well Screen: 80.0 to 90.0 feet. Filter Pack: 78 to 90.3 feet. Well Seal: 3 to 75 feet (bentonite grout), and 75 to 78 (hydrated bentonite chips). Surface Seal: 0 to 3 feet (concrete). Well Monument: Flush with grade steel monument.</p>
	20.6						
	21.5						
	15.8						
	17.9						
	16.7						
	16.3						
	90						
	92						
	94						
96							
98							
100							
102							
104							
106							
108							
110							
112							
114							
116							
118							
120							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: SEM
 Ecology Well Tag: BKA 294

Total Drilled Depth: 90.3 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/29/17 to 08/30/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (4 inches)
	16.2				2		GRAY SILTY SAND (SM), moist, fine to medium, little fines, trace subrounded gravel up to 2-inch diameter, trace red brick and concrete fragments (FILL)
	15.6		60		4		
	8.3				6		LIGHT BROWN SAND WITH SILT (SP), moist, fine to medium, few fines (FILL?)
	34.2				8		BROWN SILTY SAND (SM), moist, fine to medium, little fines, trace subrounded gravel (FILL?)
	34.3		60		10		LIGHT BROWN SAND WITH SILT (SP), moist, fine to medium, few fines (FILL?)
	33.4				12		BROWNISH GRAY SILTY SAND (SM), moist, fine to coarse, some fines, few gravel (FILL?)
	77.1				14		GRAY GRAVEL WITH SILT (GP), wet, few sand, few fines, hydrocarbon-like odor, sheen
	393				16		GRAY SILTY SAND (SM), wet, fine to medium, little fines, few gravel
	15,000		MW-135-14	120		18	
	3,796				20		GRAY GRAVEL WITH SAND AND SILT (GP), wet, little sand, few fines, wood debris, hydrocarbon-like odor, sheen (FILL?)
	636				22		BROWNISH GRAY SILTY SAND (SM), moist to wet, fine to coarse, little fines, few gravel, orange mottling, lenses of fine to medium sand, hydrocarbon-like odor
	24.7		MW-135-20			24	
	607				26		GRAY SAND (SP), moist, fine to medium, trace fines
	15,000				28		GRAYISH BROWN SILT WITH SAND (ML), moist, little fine to medium sand, trace subrounded gravel, lenses of gray or brown fine to medium sand, orange mottling
	15,000				30		BROWN SILTY SAND (SM), wet, fine to medium, little fines, trace subrounded gravel
	15,000				32		BROWNISH GRAY GRAVEL (GP), wet, fine to coarse subrounded gravel up to 2-inch diameter, trace fine to coarse sand, trace fines, positive sheen test
	15,000				34		
	15,000		MW-135-30	120		36	
	105				38		GRAYISH BROWN SILT WITH SAND (ML), moist, little fine to medium sand, trace subrounded gravel, lenses of gray or brown fine to medium sand, orange mottling
	147				40		BROWN SAND WITH SILT (SP), wet, fine to medium, few fines, trace coarse gravel, orange mottling
			MW-135-36	120		42	
	447				44		BROWN SILTY SAND WITH GRAVEL (SM), fine to medium, wet, some subrounded gravel, some fines
					46		BROWN GRAVEL WITH SILT AND SAND (GP), wet, fine to coarse subrounded gravel up to 2-inch diameter, little fine to coarse sand, few fines, rare cobbles
	2,124		MW-135-40			48	
					50		BROWN SILTY SAND (SM), moist, fine, some fines, trace subrounded fine gravel

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: BKA 299

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 8" 0-60 ft & 6" 60-80.4 ft
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic

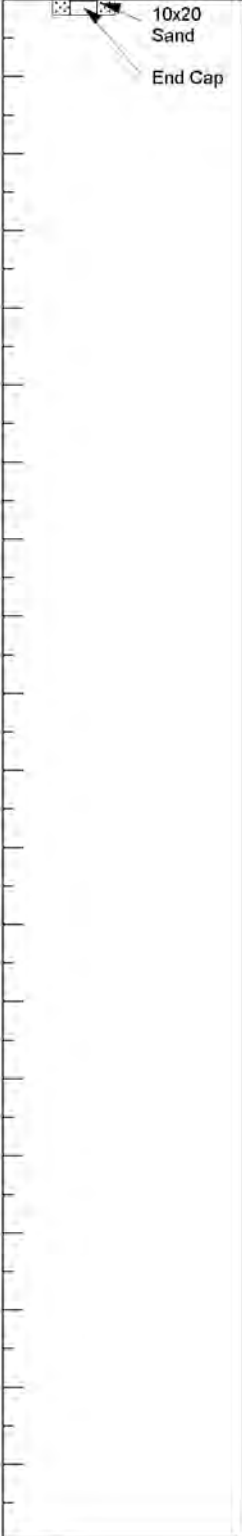


Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Chips</p> <p>10x20 Sand</p> <p>0.020-inch Sch. 40 PVC Screen</p>	1,468	MW-135-45	36		42		at 41 feet: little fines, little fine to coarse subrounded gravel up to 2-inch diameter	
	1,380					44		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded gravel
	4,251					46		
	2,176			84		48		
	736					50		at 50 feet: soil sample for physical analysis
	721					52		GRAY SILTY SAND (SM), moist, fine to medium, little fines, trace subrounded gravel up to 1-inch diameter
	15,000	MW-135-55			54			
	2,056				56			
	2,007		120		58		GRAY SILT WITH SAND (ML), moist, very hard, little fine sand	
	355					60		at 60 feet: drove an SPT ring sampler (70/6) and collected a sample for physical analysis, drilled to 60.0 feet bgs with 8-inch casing, added 4 feet of hydrated bentonite chips and let sit for 45 mins, pulled back 2.5 feet and advanced to 80.4 feet bgs with 6-inch casing.
240	MW-135-65				62		GRAY SILTY SAND (SM), moist, fine to medium, some fines, trace subrounded gravel up to 1-inch diameter	
239					64			
160			120		66		at 69 feet: very dense	
1,750					68			
1,875					70		GRAY SILT WITH SAND (ML), moist, firm, little sand, trace subrounded gravel up to 1-inch diameter	
1,250					72		at 74 feet: some sand	
875		60		74				
502					76			
311					78			
232	MW-135-80		60		80		at 80 feet: soil Color-Tec reading 0.035 mg/kg	
122								

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: BKA 299

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 8" 0-60 ft & 6" 60-80.4 ft
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120		<p>Bottom of Boring at 80.4 feet.</p> <p>Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.</p> <p>Total Well Depth: 80.4 feet. Well Sump/Endcap: 80.0 to 80.4 feet. Well Screen: 70.0 to 80.0 feet. Filter Pack: 68.5 to 80.4 feet. Well Seal: 2 to 64 feet (bentonite grout), and 64 to 68.5 (hydrated bentonite chips), Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.</p>

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS
 Ecology Well Tag: BKA 299

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 8" 0-60 ft & 6" 60-80.4 ft
 Drill Date: 08/24/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					0		Concrete (4 inches)
					2		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, little fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, little fines (FILL?)
	16.2		60		2		BROWN GRAVEL WITH SAND (GP), moist, fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, some fine to coarse sand, few fines (FILL?)
	6.8				4		
	19.2				6		BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel, occasional orange staining (FILL?)
	19.0		60		8		
	19.0				10		at 10 feet: some fines, denser
	20.3				12		
	58.3		58		14		GRAY-BROWN SANDY SILT (ML), moist, some fine sand, few fine to coarse subangular to subrounded gravel up to 2-inch diameter
	48.0				16		BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter, occasional orange staining
	20.1		54		18		at 19 feet: gray, occasional cobbles
	19.4				20		BROWN-GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel, denser than above
	19.8				22		
	18.0				24		BROWN SILT (ML), moist, few fine sand, occasional horizons of orange staining up to 1/8 inches thick, rare horizons of fine sand 1/16 inches thick, non-plastic
	17.8				26		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 3-inch diameter, rare cobbles
	21.4		60		28		
	24.3				30		
	23.3				32		
	21.0				34		
	22.1				36		
21.5				38			
19.4		120		40			
23.7							
26.2							
29.7							
21.4	MW-136-35 B-902-15						
27.0							
20.5			117				

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 300

Total Drilled Depth: 95 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/28/17-08/29/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p>	19.9	MW-136-44	58	41-45.5	41		at 41 feet: little fines	
	30.2				42		at 45.5 feet: some fines	
	22.1				44			
	54.8				46			
	43.9	MW-136-50	60	50-54	48		GRAY SANDY SILT (ML), moist, some fine sand, few fine to coarse subrounded gravel up to 2-inch diameter	
	17.6				50			
	18.4				52			
	21.7				54			
	54.2	MW-136-65	110	65-75	56		GRAY SILT (ML), moist, few fine sand	
	19.4				60			at 77 feet: collected sample for physical analysis
	22.0				62			
	20.2				64			
	21.1	MW-136-75	60	75-80	58		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse	
	21.6				66			
	22.0				68			
	21.3				70			
	23.1					72		
	22.7					74		
						76		
						78		
					80			

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 300

Total Drilled Depth: 95 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/28/17-08/29/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	17.1	MW-136-85	58	82	82	[Graphic Log]	
	18.6						
	21.3						
	17.3						
	16.8						
	14.9	MW-136-95	60	84	84	[Graphic Log]	GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded gravel
	16.3						
	14.6						
	at 95 feet: soil Color-Tec reading <0.003 mg/kg						
	94						GRAY SILTY SAND (SM), moist to wet, fine, little fines, trace fine subrounded gravel up to 0.5-inch diameter, abundant organic debris
96	Bottom of Boring at 95 feet.						
98	Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.						
100	Total Well Depth: 95 feet. Well Sump/Endcap: 94.6 to 94.9 feet. Well Screen: 84.6 to 94.6 feet. Filter Pack: 83 to 95 feet. Well Seal: 2 to 80 feet (bentonite grout), and 80 to 83 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.						
102							
104							
106							
108							
110							
112							
114							
116							
118							
120							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 300

Total Drilled Depth: 95 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/28/17-08/29/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Concrete</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p>					0		LIGHT BROWN SILTY SAND (SM), moist, fine to medium sand, little fines, few fine subangular to subrounded gravel up to 0.5-inch diameter	
	2.8				2			
	2.3		36		4			
	2.5				6		LIGHT GRAY TO BROWN SANDY SILT (ML), moist, some fine to coarse sand, few fine angular to subangular gravel up to 0.5-inch diameter, trace anthropogenics, black staining (FILL) at 6 feet: brown, orange staining	
	2.3		60		8			
	2.6				10		BROWN SILTY SAND (SM), moist, fine to medium, little fines	
	2.6				12		at 12 feet: fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter	
	6.7				14			
	5.5		120		16		LIGHT BROWN SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter, orange staining	
	8.9				18			
	3.7				20		LIGHT BROWN TO LIGHT GRAY SILTY SAND (SM), moist, medium dense, fine to coarse, little fines, few fine to coarse subangular to subrounded gravel up to 0.5-inch diameter	
	3.5				22		LIGHT BROWN TO LIGHT GRAY SANDY SILT (ML), moist, hard, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter	
	4.0		120		24			
	2.8				26		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to medium, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter, homogeneous	
	5.6				28			
	7.0				30		at 30 feet: little fines	
	0.6				31		at 31 feet: wet	
	0.7				32		at 32 feet: lense of medium to coarse silty sand 2 inches thick	
	1.2		120		34		LIGHT GRAY SANDY SILT (ML), wet, hard, some fine to medium sand, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, homogeneous	
	2.6				36			
	2.1				38			
	2.0				40		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to medium, little fines, few fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, homogeneous	
	2.0							
	1.6							
	1.4							
	3.0							
	2.4							
	3.9							
	3.5							
	1.6							
	2.1							
	4.2							
	4.2							
	4.2							
	0.8			120				

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag:

Total Drilled Depth: 115 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/31/17-09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description																																
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p>	2.6	MW-137-45	60	42-48	42		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																																
	2.8						60	44	44		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																												
	3.2											46	46		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																								
	2.0															48	48		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																				
	1.3																			50	50		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																
	2.9																							52	52		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous												
	2.3																											54	54		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous								
	1.4																															56	56		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous				
	1.1																																			58	58		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous
	2.5																																						
4.4	62	62		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																																			
5.3					64	64		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																															
4.4									66	66		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																											
6.3													68	68		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																							
6.7																	70	70		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous																			
5.3																					72	72		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous															
4.1																									74	74		LIGHT GRAY SILTY SAND (SM), moist, dense, fine to coarse, some fines, few fine subangular to subrounded gravel up to 0.75-inch diameter, homogeneous											
MW-137-75																													3.9	60	76-78	76		at 75 feet: water Color-Tec reading <0.003 mg/L, soil Color-Tec reading <0.003 mg/kg					
																													4.8						60	78	78		at 78 feet: moist, little fine to medium sand, trace gravel,
																													2.4										
	5.5	60	80																										at 80 feet: some sand, few gravel										
4.7	60				80		at 80 feet: some sand, few gravel																																
4.6								60	80		at 80 feet: some sand, few gravel																												
3.6												60	80		at 80 feet: some sand, few gravel																								
3.5		60	80													at 80 feet: some sand, few gravel																							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag:

Total Drilled Depth: 115 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/31/17-09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p> <p>Bentonite Chips</p> <p>10x20 Sand</p> <p>0.020-inch Sch. 40 PVC Screen</p> <p>End Cap</p>	4.1	MW-137-85	60		82			
	2.5					84		
	3.3					86		
	1.5					88		
	3.0					90		at 90 feet: sample collected for physical analysis
	4.2	MW-137-95	120		92			
	2.4				94			
	5.6				96		at 95 feet: soil Color-Tec reading <0.003 mg/kg	
	5.3				98			
	5.4				100			
	4.8	MW-137-107-W	96		102		LIGHT GRAY SILTY SAND (SM) wet, very dense, fine to medium, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter	
	2.7				104		at 103 feet: soil Color-Tec reading <0.003 mg/kg	
	9.1				106		LIGHT GRAY TO LIGHT BROWN SAND (SP), wet, loose, fine to medium, few fines, orange mottling	
	5.0				108		at 107 feet: water Color-Tec reading <0.003 mg/L	
	4.9				110			
6.5	MW-137-115	36		112				
6.6				114		at 115 feet: soil Color-Tec reading <0.003 mg/kg, soil collected for physical analysis		
7.8				116		Bottom of Boring at 115.3 feet.		
26.3				118		Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.		
1.9				120		Total Well Depth: 115.3 feet.		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag:

Total Drilled Depth: 115 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/31/17-09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					122		Well Sump/Endcap: 115.0 to 115.3 feet. Well Screen: 105.0 to 115.0 feet. Filter Pack: 103 to 115.3 feet. Well Seal: 2 to 100 feet (bentonite grout), and 100 to 103 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.
					124		
					126		
					128		
					130		
					132		
					134		
					136		
					138		
					140		
					142		
					144		
					146		
					148		
					150		
					152		
					154		
					156		
					158		
					160		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag:

Total Drilled Depth: 115 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/31/17-09/01/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description	
<p>Concrete</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p>					0		Concrete (14 inches)	
	2.7				2		BROWN SAND WITH SILT AND GRAVEL (SP), moist, loose, fine to coarse, some subrounded to subangular gravel up to 1.25-inch diameter, few fines, trace cobbles, soil cleared with air knife to 7 feet bgs (FILL)	
	6.8				4			
	4.7		120		6			
	1.1					8		at 7 feet: medium dense
	0.7					10		
	0.9					12		BROWN SAND WITH SILT AND GRAVEL (SP), moist, dense, fine to coarse, little subrounded gravel up to 0.5-inch diameter, few fines (FILL)
	1.1					14		at 15 feet: trace brick fragments
	2.2			60		16		at 16 feet: dense
	8.5		MW-138-15			18		at 17.5 feet: 2 inches of old road fragments (tar- and oil-covered subangular to subrounded gravel)
	16.4					20		at 20 feet: fine to medium sand, few subangular to subrounded gravel up to 1-inch diameter, trace cobbles
	15.3					22		
	14.6					24		
	15.7		MW-138-25	120		26		
	17.5					28		
	11.9					30		GRAY SILTY SAND (SM), moist, fine to coarse, little fine subangular to subrounded gravel up to 0.75-inch diameter, little fines
	15.4					32		
	11.5					34		
	13.8					36		at 36 feet: medium dense, few fine to coarse sand up to 2-inch diameter
	17.3					38		
	17.5					40		
	3.5		MW-138-35			39		at 39 feet: some fines
	11					40		at 40 feet: added 6 feet of bentonite chips, pulled back augers and continued with 6-inch diameter auger
	11.7			60				
	10.4							
	12.1							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: BKA 296

Total Drilled Depth: 115.3 feet bgs
 Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft
 Drill Date: 09/12/17-09/15/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	14.6	MW-138-45	120	-	42		GRAY SANDY SILTY (ML), moist, some fine to medium sand, few fine subangular to subrounded gravel up to 0.5-inch diameter at 51 feet: fine to coarse sand, little gravel
	14.7						
	18.1						
	19.4						
	19.7						
	20.5						
	20.7						
	15.3						
	19.3						
	6.4						
	0.2	MW-138-56	120	-	54		GRAY SILT (ML), moist, hard, few fine subangular to subrounded gravel up to 0.5-inch diameter, few fine sand
	8.4						
	0						
	0.2						
	1.1						
	10.4						
	9.7						
	7.7						
	9						
	46.6						
	41.7	MW-138-65 B-910-90	120	-	60		GRAY SILTY SAND (SM), moist, dense, some fines, few fine subangular to subrounded gravel up to 0.5-inch diameter at 65 feet: sample collected for physical analysis, soil Color-Tec reading <0.003 mg/kg
	9.7						
	7.7						
	9						
	46.6						
	41.7						
	20.8						
	14.4						
	3.6						
	0						
	0.1	MW-138-75	120	-	68		GRAY SILT (ML), moist, very hard, some fine sand GRAY SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine to coarse subangular to subrounded gravel up to 1-inch diameter GRAY SILT (ML), moist, very hard, few fine subangular to subrounded gravel up to 0.75-inch diameter, few fine sand
	0.2						
	10.7						
	13.1						
	10.7						
	12.4						
	12.7						
	12.2						
	13.6						

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: BKA 296

Total Drilled Depth: 115.3 feet bgs
 Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft
 Drill Date: 09/12/17-09/15/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description		
	11.3	MW-138-85	120		82		GRAY SANDY SILT (ML), moist, firm, some fine to coarse sand, few fine subangular to subrounded gravel up to 0.5-inch diameter		
	1.1						10.7	84	GRAY SILT WITH SAND (ML), moist, very hard, little fine to medium sand
	11.9						12.3	86	GRAY SILTY SAND (SM), medium dense, fine to medium, some fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, trace cobbles
	13.3						10.3	88	GRAY SANDY SILT (ML), moist, some fine to medium sand
	1.7						11.9	90	at 90 feet: fine to coarse sand, few fine subangular to subrounded gravel
	19	17.1	MW-138-95	60			at 92 feet: trace cobbles		
	15.4	19					92	GRAY SILTY SAND (SM), moist, some fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter	
		17.1					94		
		15.4					96		
							98		
			MW-138-105	60				GRAY SAND WITH SILT (SP), wet, fine to medium, few fines, homogeneous	
		2.8						100	at 105 feet: soil Color-Tec reading <0.003 mg/kg, attempted to collect water sample but couldn't drive sampler
		0.7						102	
		0.8						104	
		0.8						106	GRAY SAND WITH SILT (SP), wet, fine to coarse, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, few fines
	0.8	MW-138-115 MW-138-115-W	60				at 110 feet: brown, loose, medium sand		
	0.9						108		
	0.8						110		
	1.8						at 115 feet: collected sample for grain size analysis, soil Color-Tec reading <0.003 mg/kg, drove water sampler and collected sample with bailer, water Color-Tec reading <0.003 mg/L		
	1.5								
	1.5								
							Bottom of Boring at 115.3 feet.		
							Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.		
							Total Well Depth: 115.3 feet.		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: BKA 296

Total Drilled Depth: 115.3 feet bgs
 Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft
 Drill Date: 09/12/17-09/15/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					122		Well Sump/Endcap: 115.0 to 115.3 feet. Well Screen: 105.0 to 115.0 feet. Filter Pack: 103 to 115.3 feet. Well Seal: 2 to 100 feet (bentonite grout), and 100 to 103 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.
					124		
					126		
					128		
					130		
					132		
					134		
					136		
					138		
					140		
					142		
					144		
					146		
					148		
					150		
					152		
					154		
					156		
					158		
					160		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: KWS/SEM
 Ecology Well Tag: BKA 296

Total Drilled Depth: 115.3 feet bgs
 Diameter of Boring: 8" 0-40 ft & 6" 40-115.3 ft
 Drill Date: 09/12/17-09/15/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Concrete	8.3	MW-139-20	60	-	0	Concrete (4 inches)	Concrete (4 inches)
	5.9				2	RED-BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, little fine to coarse subangular to subrounded gravel, little fines (FILL)	
6.2	4				BROWN GRAVEL WITH SILT AND SAND (GP), moist, fine to coarse subangular to subrounded gravel up to 3-inch diameter, some fine to coarse sand, few fines, abundant cobbles		
6.6	4				at 3.5 feet: fine gravel, no cobbles		
10.4	6				BROWN SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, frequent clumps of siltier soil		
10.0	8						
14.6	10				GRAY SILTY SAND (SM), moist to wet, fine, little fines, few fine to coarse subangular to subrounded gravel up to 1-inch diameter, frequent irregular inclusions of medium sand, occasional orange staining		
14.0	12						
14.3	14						
17.4	16				GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine subangular to subrounded gravel up to 0.75-inch diameter		
19.4	18				GRAY SAND WITH SILT (SP), moist to wet, fine to medium, few fines, trace fine subrounded to rounded gravel up to 0.5-inch diameter		
13.5	20				GRAY SANDY SILT (ML), moist, firm, some fine sand, non-plastic, inclusions of fine to medium sand		
16.0	20				at 20 feet: very stiff, fine to coarse subrounded to rounded gravel up to 2.5-inch diameter, no inclusions		
11.8	22						
14.5	24				at 25 feet: trace gravel, less dense		
13.1	26				at 26 feet: horizon of fine to medium silty sand 2 inches thick		
14.3	28						
14.3	30				GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 2-inch diameter		
7.6	32						
7.5	34						
14.5	36	GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subangular to subrounded gravel up to 1-inch diameter					
15.6	38						
13.7	40						
29.0							
29.6							
20.8							
25.0							
26.5							
54.6							
45.6							
47.8							
20.3							
19.8							
23.1							
23.1							
26.1							
24.1							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 295

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/13/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic

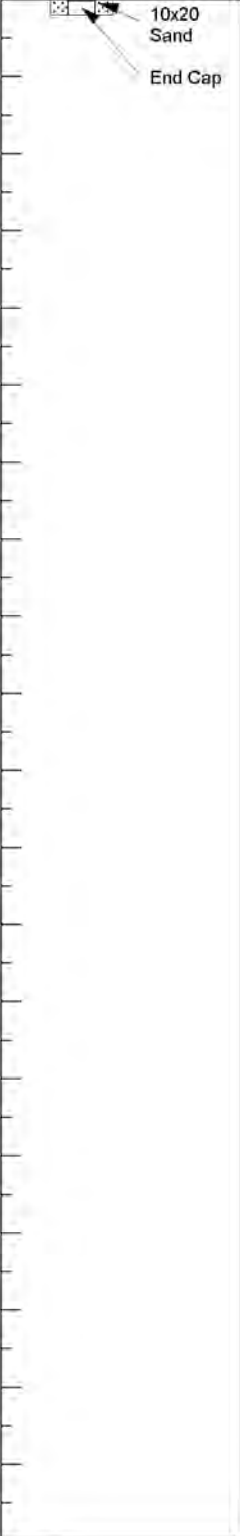


Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Chips</p> <p>10x20 Sand</p> <p>0.020-inch Sch. 40 PVC Screen</p>	66.1	MW-139-41	120		40		at 40 feet: unusual odor
	38.9				42		at 43 feet: denser
	25.9				44		
	21.5				46		at 45 feet: little sand, little gravel, occasional cobbles
	24.5				48		
	21.4	MW-139-51	120		48		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter, unusual odor
	24.7				50		
	24.1				52		GRAY SANDY SILT (ML), moist, some fine sand, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter
	26.5				54		
	23.9				56		
21.0	MW-139-60	120		56			
26.7				58			
28.4				60		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel, sample fell out of sampler during drilling	
19.2				62			
19.9				64		GRAY SANDY SILT (ML), moist, little fine to medium sand few fine to coarse subrounded to rounded gravel	
23.4	MW-139-70	120		64			
26.8				66			
21.8				68			
19.0				70		at 70 feet: some sand	
17.9				72			
22.0	MW-139-80	120		72			
19.6				74			
22.3				76			
23.7				78		GRAY SILTY SAND (SM), little fines	
24.8				80			
26.2							
28.3							
27.9							
25.4							
24.4							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 295

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/13/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
					80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120		<p>at 80 feet: soil Color-Tec reading <0.003 mg/kg, submitted sample for physical analysis</p> <p>Bottom of Boring at 80.4 feet.</p> <p>Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.</p> <p>Total Well Depth: 80.4 feet. Well Sump/Endcap: 80.0 to 80.4 feet. Well Screen: 70.0 to 80.0 feet. Filter Pack: 68 to 80.4 feet. Well Seal: 2 to 63 feet (bentonite grout), and 63 to 68 (hydrated bentonite chips). Surface Seal: 0 to 2 feet (concrete). Well Monument: Flush with grade steel monument.</p>

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 295

Total Drilled Depth: 80.4 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/13/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Concrete</p> <p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p>					0		Concrete (6 inches) - soil cleared with air knife to 7 feet bgs
	2.2		36		8		YELLOW-BROWN SAND WITH SILT (SP), moist, fine to medium, few fines, abundant clumps of silty sand up to 3-inch diameter, frequent orange staining (FILL?)
	2.5				10		BROWN SILTY SAND WITH GRAVEL (SM), moist, fine to medium, some fines, little fine to coarse subangular to subrounded gravel up to 1-inch diameter, frequent orange staining
	1.6				12		BROWN SILTY SAND WITH GRAVEL (SM), moist, medium, little fine to coarse subangular to subrounded gravel up to 2-inch diameter, little fines, frequent orange staining, higher moisture content than above
	2.3	MW-140-15	120		14		ORANGISH-BROWN SILTY SAND (SM), wet, fine to medium, little fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter, grain size varies from fine to medium sand, rare inclusions of finer grained gray to brown soil up to 0.5-inch diameter
	2.5				16		
	2.9				18		
	4.1				20		GRAY-BROWN SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded to rounded gravel up to 0.75-inch diameter
	1.7				22		at 23 feet: yellow-brown, abundant orange staining
	3.7				24		GRAY SILTY SAND (SM), moist, fine to medium, some, few fine to coarse subrounded to rounded gravel up to 1.75-inch diameter
	4.5	MW-140-25	120		26		
	0.1				28		
	0				30		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter, irregular inclusions of medium sand up to 2-inch diameter
	5.4				32		at 32 feet: wet
16.8				34		GRAY SILTY SAND (SM), moist, fine, some fines, few fine to coarse subrounded to rounded gravel up to 3-inch diameter, rare cobbles	
23.8				36		at 35 feet: soil Color-Tec sample 0.011 mg/kg	
33				38			
24.2	MW-140-35	120		40			
7.1							
1.8							
9.4							
14.5							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 301

Total Drilled Depth: 140 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17-08/31/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	24.6	MW-140-45	60	42-46	42		
	23.3				44		
	80.6				46		at 46 feet: little fines
	42.1				48		at 48 feet: some fines, trace gravel
	9.7				50		at 50 feet: few gravel
	19.1				52		
	17	MW-140-55	120	52-56	52		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, few fine to coarse subrounded to rounded gravel up to 1.5-inch diameter
	19.6				54		
	20.6				56		at 56 feet: driller notes very hard drilling
	19.6				58		
	30.4	MW-140-65	60	60-64	60		
	7.5				62		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded gravel up to 1-inch diameter
	2.6				64		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse gravel up to 1.25-inch diameter
	1.1				66		
	0				68		
	0				70		
	4.6	MW-140-75	120	70-74	70		
	4.5				72		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel up to 2-inch diameter
	6.2				74		
	5.4				76		at 77 feet: little fine sand, no gravel
3.5				76			
4.2				78			
5.7				80		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, few subrounded to	
2.9							
6.3							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 301

Total Drilled Depth: 140 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17-08/31/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description				
<p>Sch. 40 PVC Casing</p> <p>Bentonite Grout</p>	2.9	MW-140-90	120	80-82	82		rounded gravel up to 2-inch diameter at 80 feet: drive SPT ring sampler for physical analysis				
	1.4						120	84-86	84		GRAY SAND WITH SILT (SP), moist to wet, fine to medium, few fine to coarse subrounded to rounded gravel up to 2.5-inch diameter, few fines
	2.1										120
	3.6						60	92-94	92		
	1.1										120
	1.3						120	100-102	100		
	2.1										120
	1.7						120	108-110	104		
	1.1										120
	2.2						120	116-118	112		
	1.5	120	120-122	114							
	1.2					120	120	116			
	2.1	120	120	118							
	7.4					120	120	120			
	7.1	120	120	120							
	7.3					120	120	120			
	6.4	120	120	120							
	1.3					120	120	120			
	2.7	120	120	120							
	3.1					120	120	120			
1.3	120	120	120								
3.4					120	120	120				
1.3	120	120	120								
2.1					120	120	120				
2.4	120	120	120								
3.0					120	120	120				
3.1	120	120	120								
3.2					120	120	120		GRAY SAND WITH SILT (SP), wet, medium to coarse, few fine to coarse subangular to		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 301

Total Drilled Depth: 140 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17-08/31/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Bentonite Grout	2.1						subrounded gravel up to 2-inch diameter, few fines at 120 feet: soil Color-Tec reading <0.003 mg/kg
Sch. 40 PVC Casing	2.4				122		
	3				124		
Bentonite Chips	3.5				126		
	3.2				128		GRAY SAND WITH SILT AND GRAVEL (SP), wet, medium to coarse, some fine to coarse subangular to subrounded gravel up to 3-inch diameter, few fines
	3.5				130		at 130 feet: soil Color-Tec reading <0.003 mg/kg
	2.3	MW-140-130	120		132		
	3.1				134		
10x20 Sand	2.1				136		
0.020-inch Sch. 40 PVC Screen	1.6				138		GRAY SILTY SAND (SM), wet, fine to medium, some fines, few fine subrounded gravel
	1.7				138		
	3.1		60		140		GRAY SILTY GRAVEL WITH SAND (GM), wet, fine to coarse subangular to subrounded gravel, some fine to coarse sand, little fines at 140 feet: soil Color-Tec reading <0.003 mg/kg
End Cap	1.2	MW-140-140			140		Bottom of Boring at 140 feet.
					142		Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.
					144		Total Well Depth: 139.9 feet. Well Sump/Endcap: 139.5 to 139.9 feet. Well Screen: 129.5 to 139.5 feet. Filter Pack: 128 to 140 feet.
					146		Well Seal: 3 to 123 feet (bentonite grout), and 123 to 128 (hydrated bentonite chips). Surface Seal: 0 to 3 feet (concrete). Well Monument: Flush with grade steel monument.
					148		
					150		
					152		
					154		
					156		
					158		
					160		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD
 Ecology Well Tag: BKA 301

Total Drilled Depth: 140 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 08/30/17-08/31/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
Concrete	6.4				0		BROWN SILTY SAND WITH GRAVEL (SM), dry, fine to coarse, some fines, little fine to coarse subangular to subrounded gravel up to 1.5-inch diameter, debris (concrete and glass) (FILL)
	10.4		60		2		
	13.1				4		RED-BROWN SANDY SILT (ML), moist, some fine to coarse sand, fine to coarse angular to rounded gravel up to 3-inch diameter, rare cobbles, abundant sand-sized debris and wood (FILL)
	17.4		60		6		GRAY-BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel
	37.3				8		at 6 feet: gray
	67.1				10		BROWN SANDY SILT (ML), moist to wet, some fine to coarse sand, mixed with GRAY-BROWN SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel
	37.2				12		GRAY SAND WITH SILT (SP), moist, fine, few fines, occasional orange staining
	23.5				14		GRAY SILTY SAND WITH GRAVEL (SM), moist, fine to coarse, some fine to coarse subangular to subrounded gravel up to 3-inch diameter, little fines, frequent cobbles
	163.2	MW-141-15	120		16		at 16 feet: few gravel
	83.4				18		
Sch. 40 PVC Casing	68.8				20		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel
	16.0				22		
	64.9				24		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subangular to subrounded gravel
	121.5				26		
	120.4				28		
	102.1		120		30		
	40.4				32		
	5.0				34		GRAY SILTY SAND (SM), moist, fine to medium, little fines, few fine to coarse subrounded gravel
	3.5				36		
	8.9			60	38		at 37 feet: moist to wet, less dense than above
Bentonite Grout	6.2				40		GRAY SANDY SILT (ML), moist, some fine to medium sand, few fine to coarse subrounded to rounded gravel
	7.3	MW-141-35					
	8.7						
	11.9						
	8.5						
	10.9		120		40		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/SEM
 Ecology Well Tag:

Total Drilled Depth: 107 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
<p>Bentonite Grout</p> <p>Sch. 40 PVC Casing</p>	11.1	MW-141-46	60	42-46	42-46		GRAY SILTY SAND (SM), moist, fine to medium, some fines, few fine to coarse subrounded to rounded gravel up to 2-inch diameter
	11.3						
	8.5						
	8.9						
	8.3						
	6.7						
	6.8	MW-141-56	60	46-50	46-50		
	8.5						
	8.9						
	3.8						
	3.3	MW-141-65	60	50-56	50-56		GRAY SANDY SILT (ML), moist, hard, some fine to coarse sand, few fine to coarse subrounded to rounded gravel, non-plastic
	3.6						
	3.7						
	6.0						
	10.1						
	6.6						
	3.5	MW-141-75	60	56-62	56-62		
	9.3						
	2.0						
	2.8						
2.8							
0.6							
5.9		60	62-70	62-70			
3.0							
1.4							
4.3							
3.7							
4.8		60	70-74	70-74			
4.3							
2.1							
			120		80		

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/SEM
 Ecology Well Tag:

Total Drilled Depth: 107 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic



Boring Completion	PID (PPM)	Sample ID	Sample Recovery (in)	Sample Interval	Depth (Feet)	Graphic Log	Lithologic Description
	1.2	MW-141-85	120	3 to 90 feet	82		
	2.8				84		
	3.0				86		GRAY SILTY SAND (SM), moist to wet, fine to medium, little fines, trace fine subrounded to rounded gravel
	1.6				88		GRAY SAND WITH SILT (SP), moist, fine to medium, few fines
	0.9				90		
	0.6	MW-141-95	120	90 to 105 feet	92		
	0.6				94		
	2.3				96		at 96 feet: frequent green-gray sand with partings
	1.8				98		at 98 feet: gray
	1.0				100		at 100 feet: occasional inclusions of green sand
	2.2	MW-141-105 MW-141-105-W	0	105 to 107 feet	102		
	2.3				104		at 103 feet: slightly coarser
	3.9				106		at 105 feet: soil Color-Tec reading <0.003 mg/kg, drive water sampler and collect sample with bailer, water Color-Tec reading <3 ug/L
	2.5				108		Bottom of Boring at 107 feet.
	6.4				110		Well Completion Details: Well constructed with 2-inch Schedule 40 PVC pipe and a 0.020-inch machine slotted screen with 10x20 Colorado Silica Sand.
5.1	112	Total Well Depth: 105.4 feet. Well Sump/Endcap: 105.0 to 105.4 feet. Well Screen: 95.0 to 105.0 feet. Filter Pack: 93 to 107 feet. Well Seal: 3 to 90 feet (bentonite grout), and 90 to 93 (hydrated bentonite chips). Surface Seal: 0 to 3 feet (concrete). Well Monument: Flush with grade steel monument.					
5.4	114						
6.0	116						
6.2	118						
8.3	120						
5.6							
4.9							
3.1							
3.3							

Project: Fromer American Linen Supply
 Project Number: 1413.001.02.602
 Site Location: Seattle, WA
 Logged By: CJD/SEM
 Ecology Well Tag:

Total Drilled Depth: 107 feet bgs
 Diameter of Boring: 6 inches
 Drill Date: 09/18/17
 Drilled By: Cascade Drilling
 Drill Method: Sonic

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)											
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050
On Property																		
B-1	B-1-13	6/23/00	TR	ARI	13	27.0	–	–	–	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0021	0.0012 U	0.0012 U
B-2	B-2-6.5	6/23/00	TR	ARI	6.5	33.5	–	–	–	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.017	0.0020	0.011	0.0011 U	0.0011 U
	B-2-11	6/23/00	TR	ARI	11	29.0	–	–	–	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.92	0.085	0.64	0.0037	0.0012 U
	B-2-16	6/23/00	TR	ARI	16	24.0	–	–	–	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.049	0.0011	0.0075	0.0011 U	0.0011 U
B-3	B-3-12	6/23/00	TR	ARI	12	28.0	–	–	–	0.0013 U	0.0013 U	0.0013 U	0.0026 U	0.0013 U	0.0013 U	0.0016	0.0013 U	0.0013 U
B-5	B-5-10	6/23/00	TR	ARI	10	30.0	–	–	–	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0051	0.0011 U	0.0021	0.0011 U	0.0011 U
	B-5-11.5	6/23/00	TR	ARI	11.5	28.5	–	–	–	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.12	0.0088	0.013	0.0012 U	0.0012 U
B-6	B-6-6	6/24/00	TR	ARI	6	34.0	–	–	–	–	–	–	–	0.0085	0.0014	0.0021	0.0012 U	0.0012 U
	B-6-12	6/24/00	TR	ARI	12	28.0	–	–	–	–	–	–	–	0.0067	0.0026	0.0047	0.0012 U	0.0012 U
	B-6-18	6/24/00	TR	ARI	18	22.0	–	–	–	–	–	–	–	2.3	0.0078	0.0031	0.0013 U	0.0013 U
B-7	B-7-6	6/24/00	TR	ARI	6	34.0	–	–	–	–	–	–	–	0.031	0.0029	0.0052	0.0012 U	0.0012 U
B-8	B-8-4	6/24/00	TR	ARI	4	36.0	–	–	–	–	–	–	–	0.092	0.0006	0.0019	0.0011 U	0.0011 U
	B-8-8	6/24/00	TR	ARI	8	32.0	–	–	–	–	–	–	–	1.4	0.017	0.021	0.0011 U	0.0011 U
B-9	B-9-4	6/24/00	TR	ARI	4	36.0	–	–	–	–	–	–	–	170	1.6 U	1.6 U	1.6 U	1.6 U
	B-9-8	6/24/00	TR	ARI	8	32.0	–	–	–	–	–	–	–	4.8	0.13	0.21	0.0022	0.0012 U
B-10	B-10-12	6/24/00	TR	ARI	12	28.0	–	–	–	–	–	–	–	0.017	0.0014	0.0061	0.0011 U	0.0011 U
B-201	G-201-10	6/19/17	PES	ESC	10	29.9	–	–	–	0.00120 U	0.00601 U	0.00120 U	0.00361 U	0.0679	0.00638	0.00298	0.00120 U	0.00120 U
	G-201-30	6/19/17	PES	ESC	30	9.9	–	–	–	0.00113 U	0.00567 U	0.00113 U	0.00340 U	0.00264	0.00113 U	0.0784	0.00761	0.00113 U
	G-201-35	6/19/17	PES	ESC	35	4.9	–	–	–	0.00116 U	0.00580 U	0.00116 U	0.00348 U	0.00471	0.00134	0.0149	0.00200	0.00116 U
B-202	G-202-5	6/19/17	PES	ESC	5	34.2	0.119 U	–	–	0.00119 U	0.00595 U	0.00119 U	0.00357 U	0.108	0.00580	0.00119 U	0.00119 U	0.00119 U
	G-202-20	6/19/17	PES	ESC	20	19.2	–	–	–	0.00119 U	0.00594 U	0.00119 U	0.00356 U	0.0632	0.00503	0.00119 U	0.00119 U	0.00119 U
	G-202-50	6/19/17	PES	ESC	50	-10.8	–	–	–	0.00132 U	0.00662 U	0.00132 U	0.00397 U	0.00163	0.00132 U	0.00132 U	0.00132 U	0.00132 U
B-203	G-203-5	6/20/17	PES	ESC	5	34.2	168	–	–	0.0358	0.0272	0.0745	0.0494	0.00115 U	0.00115 U	0.00115 U	0.00115 U	0.00115 U
	G-203-25	6/20/17	PES	ESC	25	14.2	0.174	–	–	0.00117 U	0.00586 U	0.00117 U	0.00351 U	0.00241	0.00117 U	0.00117 U	0.00117 U	0.00117 U
	G-203-40	6/20/17	PES	ESC	40	-0.8	2.33 U	–	–	0.00561	0.00561 U	0.00299	0.00719	0.910	0.0674	0.168	0.00197	0.0438
	G-203-50	6/20/17	PES	ESC	50	-10.8	0.216 U	–	–	0.00112 U	0.00560 U	0.00112 U	0.00336 U	0.903	0.0481	0.136	0.00112 U	0.00337
	G-203-80	6/20/17	PES	ESC	80	-40.8	–	–	–	0.00110 U	0.00548 U	0.00110 U	0.00329 U	0.00110 U	0.00110 U	0.00110 U	0.00110 U	0.00110 U
B-204	G-204-20	6/20/17	PES	ESC	20	19.8	–	–	–	0.00116 U	0.00579 U	0.00116 U	0.00347 U	0.00116 U	0.00116 U	0.00116 U	0.00116 U	0.00116 U
	G-204-40	6/20/17	PES	ESC	40	-0.2	–	–	–	0.00113 U	0.00563 U	0.00113 U	0.00338 U	0.0318	0.00545	2.60	0.00485	0.981
	G-204-45	6/20/17	PES	ESC	45	-5.2	–	–	–	0.00121 U	0.00606 U	0.00121 U	0.00364 U	0.0315	0.0101	16.7	0.00714	2.94
B-205	B-205-10	8/30/17	PES	ESC	10	30.3	274 q	–	–	0.304	0.372 J	4.74	6.02	0.0333 U	0.0336 U	0.0283 U	0.0318 U	0.0351 U
	B-205-55	8/30/17	PES	ESC	55	-14.7	0.0396 U	–	–	0.000315 U	0.000507 U	0.000347 U	0.000815 U	0.0625	0.00923	0.0155	0.000308 U	0.00562
	B-205-65	8/30/17	PES	ESC	65	-24.7	0.0359 U	–	–	0.000286 U	0.000460 U	0.000314 U	0.000739 U	0.0296	0.00582	0.00390	0.000280 U	0.000378 J
	B-205-75	8/30/17	PES	ESC	75	-34.7	–	–	–	0.000289 U	0.000465 U	0.000318 U	0.000748 U	0.00308 J	0.000399 J	0.000585 J	0.000283 U	0.000312 U
	B-904-50	8/30/17	PES	ESC	75 (dup)	-34.7	–	–	–	0.000290 U	0.000466 U	0.000319 U	0.000749 U	0.00954 J	0.00234	0.00170	0.000283 U	0.000312 U
B-206	B-206-15	8/14/17	PES	ESC	15	24.1	0.243	–	–	0.00777 U	0.0124 U	0.00854 U	0.0200 U	0.0715	0.00831 J	0.306	0.00825 J	0.00838 U
	B-206-30	8/14/17	PES	ESC	30	9.1	1.32 J	–	–	0.000310 U	0.000498 U	0.000341 U	0.000801 U	0.0522	0.0289	12.6	0.00230	0.124
	B-206-40	8/14/17	PES	ESC	40	-0.9	0.0358 U	–	–	0.000285 U	0.000459 U	0.000314 U	0.000738 U	0.000306 J	0.000295 U	0.00879 J	0.000279 U	0.000308 U
	B-206-49	8/14/17	PES	ESC	49	-9.9	4.54 J	–	–	0.000308 U	0.000494 U	0.000338 U	0.000795 U	17.2	2.28	6.41	0.0132	0.154
	B-206-52	8/14/17	PES	ESC	52	-12.9	0.0370 U	–	–	0.000295 U	0.000474 U	0.000324 U	0.000762 U	0.0483	0.00790 J	0.00642 U	0.000288 U	0.000383 J
	B-206-56	8/14/17	PES	ESC	56	-16.9	1.01 J	–	–	0.000297 U	0.000477 U	0.000326 U	0.000767 U	9.95 J	2.16	0.140	0.000290 U	0.000558 J
	B-206-59	8/14/17	PES	ESC	59	-19.9	0.0353 U	–	–	0.000281 U	0.000451 U	0.000309 U	0.000726 U	0.00866 J	0.00248	0.00686	0.000275 U	0.000368 J
	B-206-70	8/14/17	PES	ESC	70	-30.9	1.10 J	–	–	0.000294 U	0.000473 U	0.000324 U	0.000760 U	0.000301 U	0.000304 U	0.00201	0.000288 U	0.000317 U
	B-206-80	8/14/17	PES	ESC	80	-40.9	0.988 J	–	–	0.000294 U	0.000473 U	0.000324 U	0.000761 U	0.00283 J	0.000304 U	0.000647 J	0.000288 U	0.000386 J
B-207	B-207-30	8/25/17	PES	ESC	30	8.5	0.0385 U	–	–	0.00767 U	0.0123 U	0.00843 U	0.0198 U	0.109	0.0373	0.0557	0.00750 U	0.00827 U
	B-207-41	8/25/17	PES	ESC	41	-2.5	2.24	–	–	0.000306 U	0.000491 U	0.000336 U	0.000790 U	0.00152	0.000316 U	6.93	0.0224	0.428
	B-207-49	8/25/17	PES	ESC	49	-10.5	0.727	–	–	0.000397 J	0.000484 U	0.000331 U	0.000779 U	0.0325	0.00590	2.47	0.00359	0.0261
	B-207-55	8/25/17	PES	ESC	55	-16.5	2.49	–	–	0.000315 U	0.000507 U	0.000347 U	0.000815 U	0.0859	0.871	0.581	0.0212	0.00887
	B-207-60	8/25/17	PES	ESC	60	-21.5	0.0361 U	–	–	0.000287 U	0.000462 U	0.000316 U	0.000743 U	0.000294 U	0.00743 U	0.00626 U	0.000281 U	0.000310 U

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																					
							Screening Levels						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC				
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050										
B-207 (continued)	B-207-70	8/25/17	PES	ESC	70	-31.5	0.968	U	-	-	0.000308	U	0.000496	U	0.000339	U	0.000797	U	0.000315	U	0.00797	U	0.00671	U	0.000301	U	0.000332	U
	B-207-80	8/25/17	PES	ESC	80	-41.5	11.7	z	-	-	0.000297	U	0.000550	J	0.000327	U	0.000769	U	173	U	1.23	U	0.990	U	0.000601	J	0.00558	U
	B-207-90	8/25/17	PES	ESC	90	-51.5	0.181	U	-	-	0.00742	U	0.0119	U	0.00815	U	0.0191	U	5.42	U	0.462	U	0.311	U	0.00725	U	0.00800	U
B-208	B-208-20	8/24/17	PES	ESC	20	18.8	-	U	-	-	0.000319	U	0.000513	U	0.000351	U	0.000825	U	0.00816	U	0.000689	J	0.0257	U	0.000708	J	0.00270	U
	B-208-35	8/24/17	PES	ESC	35	3.8	-	U	-	-	0.000294	U	0.000472	U	0.000323	U	0.000760	U	0.0109	J	0.00162	U	0.160	U	0.00656	U	0.00719	U
	B-901-50	8/24/17	PES	ESC	35 (dup)	3.8	-	U	-	-	0.000305	U	0.000491	U	0.000336	U	0.000789	U	0.407	J	0.00118	U	0.152	U	0.00577	U	0.00719	U
	B-208-50	8/24/17	PES	ESC	50	-11.2	-	U	-	-	0.000298	U	0.000479	U	0.000328	U	0.000771	U	0.00150	U	0.000308	U	0.0739	U	0.00455	U	0.000321	U
	B-208-60	8/24/17	PES	ESC	60	-21.2	-	U	-	-	0.000440	J	0.000483	U	0.000331	U	0.000777	U	0.000307	U	0.000311	U	0.000685	J	0.000294	U	0.000324	U
	B-208-70	8/24/17	PES	ESC	70	-31.2	-	U	-	-	0.000302	U	0.000485	U	0.000332	U	0.000779	U	0.000308	U	0.000312	U	0.000316	J	0.000295	U	0.000325	U
	B-208-80	8/24/17	PES	ESC	80	-41.2	-	U	-	-	0.000334	U	0.000537	U	0.000367	U	0.000864	U	0.000341	U	0.000345	U	0.000291	U	0.000327	U	0.000360	U
B-209	B-209-20	8/25/17	PES	ESC	20	19.0	-	U	-	-	0.000314	U	0.000504	U	0.000345	U	0.000811	U	0.000424	J	0.000587	J	0.0174	U	0.000402	J	0.00168	U
	B-209-35	8/25/17	PES	ESC	35	4.0	-	U	-	-	0.000288	U	0.000464	U	0.000317	U	0.000746	U	0.00682	U	0.00119	U	0.0508	U	0.000840	J	0.00915	U
	B-209-50	8/25/17	PES	ESC	50	-11.0	-	U	-	-	0.000352	U	0.000566	U	0.000387	U	0.000911	U	0.000360	U	0.000364	U	0.000307	U	0.000344	U	0.000380	U
	B-209-60	8/25/17	PES	ESC	60	-21.0	-	U	-	-	0.000310	U	0.000498	U	0.000341	U	0.000801	U	0.000317	U	0.000320	U	0.000270	U	0.000303	U	0.000334	U
	B-209-70	8/25/17	PES	ESC	70	-31.0	-	U	-	-	0.000288	U	0.000462	U	0.000316	U	0.000744	U	0.000322	J	0.000297	U	0.000323	U	0.000281	U	0.000310	U
	B-209-75	8/25/17	PES	ESC	75	-36.0	-	U	-	-	0.000286	U	0.000460	U	0.000315	U	0.000740	U	0.000293	U	0.000296	U	0.000249	U	0.000280	U	0.000309	U
	B-209-80	8/25/17	PES	ESC	80	-41.0	-	U	-	-	0.000310	U	0.000499	U	0.000341	U	0.000802	U	0.000317	U	0.000321	U	0.00106	J	0.000303	U	0.000334	U
B-210	B-210-6	8/21/17	PES	ESC	6	33.4	-	U	-	-	0.000318	U	0.000512	U	0.000350	U	0.000823	U	0.0313	U	0.00234	U	0.000287	J	0.000311	U	0.000343	U
	B-210-15	8/21/17	PES	ESC	15	24.4	0.919	U	-	-	0.00731	U	0.0117	U	0.00804	U	0.0189	U	0.0730	U	0.0647	U	0.00637	U	0.00715	U	0.00789	U
	B-210-20	8/21/17	PES	ESC	20	19.4	0.0378	U	-	-	0.000301	U	0.000484	U	0.000331	U	0.000778	U	0.000307	U	0.000311	U	0.00185	U	0.000294	U	0.000499	J
	B-210-35	8/21/17	PES	ESC	35	4.4	0.0391	U	-	-	0.000312	U	0.000501	U	0.000343	U	0.000806	U	0.00789	U	0.00300	U	0.00950	U	0.000305	U	0.000336	U
	B-210-46	8/21/17	PES	ESC	46	-6.6	0.164	U	-	-	0.000294	U	0.000473	U	0.000324	U	0.000760	U	0.000912	J	0.000376	J	3.27	U	0.00790	U	0.00182	J
	B-210-60	8/22/17	PES	ESC	60	-20.6	0.910	U	-	-	0.00724	U	0.0116	U	0.00796	U	0.0187	U	0.00741	U	0.00749	U	0.00631	U	0.00708	U	0.00781	U
	B-210-70	8/22/17	PES	ESC	70	-30.6	0.0366	U	-	-	0.000291	U	0.000468	U	0.000320	U	0.000753	U	0.000298	U	0.000301	U	0.0115	U	0.000285	U	0.000314	U
	B-210-80	8/22/17	PES	ESC	80	-40.6	0.0374	U	-	-	0.000298	U	0.000479	U	0.000328	U	0.000771	U	0.000305	U	0.000308	U	0.000500	J	0.000292	U	0.000485	J
	B-900-20	8/22/17	PES	ESC	80 (dup)	-40.6	0.0403	U	-	-	0.000321	U	0.000515	U	0.000353	U	0.000829	U	0.000328	U	0.000331	U	0.000837	J	0.000314	U	0.000346	U
B-211	B-211-20	8/17/17	PES	ESC	20	19.8	-	U	-	-	0.000301	U	0.000485	U	0.000332	U	0.000779	U	0.0153	U	0.0202	U	0.0282	U	0.00109	J	0.000723	J
	B-211-35	8/17/17	PES	ESC	35	4.8	-	U	-	-	0.000304	U	0.000489	U	0.000334	U	0.000786	U	0.000805	J	0.000314	U	0.00104	J	0.000297	U	0.000539	J
	B-211-50	8/17/17	PES	ESC	50	-10.3	-	U	-	-	0.000292	U	0.000469	U	0.000321	U	0.000755	U	0.0235	U	0.000302	U	0.0189	U	0.000512	J	0.00127	U
	B-211-57	8/17/17	PES	ESC	57	-17.3	-	U	-	-	0.000318	U	0.000512	U	0.000350	U	0.000823	U	0.0294	J	0.00212	U	0.0830	U	0.00171	U	0.00600	U
	B-211-60	8/17/17	PES	ESC	60	-20.3	-	U	-	-	0.000311	U	0.000500	U	0.000342	U	0.000805	U	0.162	U	0.000907	J	4.99	U	0.0599	U	1.15	U
	B-211-65	8/18/17	PES	ESC	65	-25.3	-	U	-	-	0.000305	U	0.00201	J	0.000335	U	0.000788	U	7.42	U	1.15	U	5.58	U	0.0110	U	0.0421	U
	B-211-70	8/18/17	PES	ESC	70	-30.3	-	U	-	-	0.162	U	0.260	U	0.177	U	0.418	U	46.1	U	2.88	U	3.96	U	0.158	U	0.175	U
	B-211-80	8/18/17	PES	ESC	80	-40.3	-	U	-	-	0.00731	U	0.0117	U	0.00804	U	0.0188	U	9.34	U	0.495	U	0.172	U	0.00715	U	0.00788	U
	B-211-90	8/18/17	PES	ESC	90	-50.3	-	U	-	-	0.00787	U	0.0126	U	0.00865	U	0.0203	U	2.66	U	1.00	U	0.0362	U	0.0159	J	0.00849	U
	B-211-100	8/18/17	PES	ESC	100	-60.3	-	U	-	-	0.000313	U	0.000504	U	0.000345	U	0.000810	U	0.000320	U	0.000324	U	0.000273	U	0.000306	U	0.000388	U
	B-211-110	8/18/17	PES	ESC	110	-70.3	-	U	-	-	0.000298	U	0.000479	U	0.000328	U	0.000770	U	0.00132	U	0.000436	J	0.000259	U	0.000291	U	0.000321	U
	B-211-120	8/21/17	PES	ESC	120	-80.3	-	U	-	-	0.000303	U	0.000487	U	0.000333	U	0.000783	U	0.000628	J	0.000423	J	0.000264	U	0.000296	U	0.000326	U
B-216	B-216-20	9/1/17	PES	ESC	20	31.9	-	U	-	-	0.000291	U	0.000467	U	0.000320	U	0.000752	U	0.00134	U	0.000301	U	0.000253	U	0.000284	U	0.000313	U
	B-216-40	9/1/17	PES	ESC	40	11.9	-	U	-	-	0.000293	U	0.000471	U	0.000322	U	0.000757	U	0.000299	U								

Table F-1

Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)												
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
B-217 (continued)	B-217-65	9/5/17	PES	ESC	65	-13.2	-	-	-	0.000311 U	0.000500 U	0.000342 U	0.000804 U	0.0255	0.00178	3.14	0.000366 J	0.00259	
	B-217-75	9/5/17	PES	ESC	75	-23.2	-	-	-	0.000323 U	0.000520 U	0.000356 U	0.000836 U	0.000331 U	0.000334 U	0.000281 U	0.000316 U	0.000349 U	
	B-217-85	9/6/17	PES	ESC	85	-33.2	-	-	-	0.000308 U	0.000494 U	0.000338 U	0.000795 U	0.000314 U	0.000318 U	0.000268 U	0.000301 U	0.000332 U	
	B-217-95	9/6/17	PES	ESC	95	-43.2	-	-	-	0.000326 U	0.000525 U	0.000359 U	0.000844 U	0.001111 J	0.000337 U	0.000284 U	0.000319 U	0.000352 U	
	B-217-106	9/6/17	PES	ESC	106	-54.2	-	-	-	0.0331 U	0.0532 U	0.0364 U	0.0855 U	5.18	0.704	0.0288 U	0.0324 U	0.0357 U	
	B-217-115	9/6/17	PES	ESC	115	-63.2	-	-	-	0.000312 U	0.000501 U	0.000343 U	0.000806 U	0.000319 U	0.000322 U	0.000271 U	0.000305 U	0.000336 U	
B-218	B-218-12.5	9/19/17	PES	ESC	12.5	25.6	-	-	-	0.000307 U	0.000494 U	0.000338 U	0.000795 U	0.0438	0.775	2.16	0.0171	0.0281	
	B-218-19	9/19/17	PES	ESC	19	19.1	-	-	-	0.000306 U	0.000493 U	0.000337 U	0.000792 U	0.000476 J	0.00946 J	0.123	0.00346	0.0286	
	B-218-25	9/19/17	PES	ESC	25	13.1	-	-	-	0.000313 U	0.000503 U	0.000344 U	0.000808 U	0.0104	0.0144	0.0781	0.00124	0.0449	
	B-218-40	9/19/17	PES	ESC	40	-1.9	-	-	-	0.0166 U	0.0267 U	0.0182 U	0.0429 U	0.421	0.255	5.25	0.0724	0.271	
	B-218-50	9/19/17	PES	ESC	50	-11.9	-	-	-	0.000288 U	0.000463 U	0.000317 U	0.000744 U	2.01 J	0.953 J	3.19 J	0.0173	0.0144 J	
	B-913-70	9/19/17	PES	ESC	50 (dup)	-11.9	-	-	-	0.000287 U	0.000461 U	0.000315 U	0.000741 U	0.537 J	0.180 J	5.52 J	0.0127	0.00427 J	
B-219	B-219-42	8/28/17	PES	ESC	42	-2.2	-	-	-	0.000294 U	0.000473 U	0.000323 U	0.000760 U	0.000857 J	0.000504 J	0.0179	0.000288 U	0.00214	
	B-219-50	8/28/17	PES	ESC	50	-10.2	-	-	-	0.000320 U	0.000514 U	0.000352 U	0.000827 U	0.0534 J	0.00555	0.139	0.00107 J	0.156	
	B-219-60	8/28/17	PES	ESC	60	-20.2	-	-	-	0.000291 U	0.000467 U	0.000320 U	0.000751 U	0.000478 J	0.000300 U	0.00202	0.000284 U	0.00161	
	B-219-70	8/28/17	PES	ESC	70	-30.2	-	-	-	0.000308 U	0.000495 U	0.000339 U	0.000797 U	0.00134 J	0.000318 U	0.00307	0.000301 U	0.000670 J	
	B-219-80	8/28/17	PES	ESC	80	-40.2	-	-	-	0.000293 U	0.000471 U	0.000323 U	0.000758 U	0.000300 U	0.000303 U	0.00639 U	0.00717 U	0.000316 U	
B-220	B-220-15	9/20/17	PES	ESC	15	23.9	-	-	-	0.000307 U	0.000493 U	0.000338 U	0.000794 U	0.0351	0.0526	0.576	0.00163	0.0771	
	B-220-29	9/20/17	PES	ESC	29	9.9	-	-	-	0.000314 U	0.000672 J+	0.000345 U	0.000811 U	14.0	1.74	2.13	0.00550 J+	0.0490 J+	
	B-220-32	9/20/17	PES	ESC	32	6.9	-	-	-	0.000308 U	0.000495 U	0.000339 U	0.000796 U	6.52	0.692 J	1.55	0.00784	0.143	
	B-220-40	9/20/17	PES	ESC	40	-1.1	-	-	-	0.000300 U	0.000482 U	0.000330 U	0.000775 U	38.9	5.82	2.73	0.00562	0.132	
	B-220-50	9/20/17	PES	ESC	50	-11.1	-	-	-	0.000290 U	0.000467 U	0.000319 U	0.000751 U	18.5	2.03	0.0766	0.000658 J	0.00191	
	B-914-75	9/20/17	PES	ESC	50 (dup)	-11.1	-	-	-	0.000290 U	0.000467 U	0.000319 U	0.000751 U	15.5	1.25	0.0913	0.000689 J	0.00210	
B-221	B-221-16	9/20/17	PES	ESC	16	23.0	-	-	-	0.00791 U	0.0127 U	0.00869 U	0.0204 U	0.539	0.250	1.37	0.00773 U	0.0805 U	
	B-221-22	9/20/17	PES	ESC	22	17.0	-	-	-	0.311 U	0.499 U	0.342 U	0.803 U	25.8	0.984 J	2.56	0.304 U	0.335 U	
	B-221-33	9/20/17	PES	ESC	33	6.0	-	-	-	0.302 U	0.486 U	0.332 U	0.781 U	21.8	0.835 J	1.93	0.296 U	0.326 U	
	B-221-37	9/20/17	PES	ESC	37	2.0	-	-	-	0.0635 U	0.102 U	0.0698 U	0.165 U	9.02	0.447	0.438	0.0621 U	0.0684 U	
	B-915-80	9/20/17	PES	ESC	37 (dup)	2.0	-	-	-	0.0309 U	0.0497 U	0.0340 U	0.0800 U	7.54	0.400	0.342	0.0303 U	0.0334 U	
	B-221-45	9/20/17	PES	ESC	45	-6.0	-	-	-	2.96 U	4.76 U	3.26 U	7.66 U	8,270	4.43 J	2.58 U	2.90 U	3.19 U	
	B-221-50	9/20/17	PES	ESC	50	-11.0	-	-	-	0.147 U	0.236 U	0.161 U	0.380 U	30.4	0.618	0.561	0.144 U	0.159 U	
	B-221-60	9/20/17	PES	ESC	60	-21.0	-	-	-	0.149 U	0.240 U	0.164 U	0.386 U	14.5	0.865	1.41	0.146 U	0.161 U	
	B-221-70	9/21/17	PES	ESC	70	-31.0	-	-	-	0.000298 U	0.000479 U	0.000328 U	0.000770 U	0.0853 J	0.00152	0.00582	0.000291 U	0.00153	
B-222	B-222-17	9/21/17	PES	ESC	17	22.2	-	-	-	0.000306 U	0.000492 U	0.000337 U	0.000791 U	1.01	0.815	0.000266 U	0.00481	0.00907	
	B-222-25	9/21/17	PES	ESC	25	14.2	-	-	-	0.000312 U	0.000502 U	0.000343 U	0.000807 U	0.714	0.130	0.109	0.00171	0.0116	
	B-222-34	9/21/17	PES	ESC	34	5.2	-	-	-	0.000303 U	0.000486 U	0.000333 U	0.000782 U	0.0190 UJ	0.00506	0.0255	0.000980 J	0.0120	
	B-222-42	9/21/17	PES	ESC	42	-2.8	-	-	-	0.000387 J	0.000538 U	0.000368 U	0.000866 U	0.0557 J	0.00699	7.34	0.0431	0.127	
	B-222-50	9/21/17	PES	ESC	50	-10.8	-	-	-	0.0145 U	0.0233 U	0.0159 U	0.0374 U	4.09	1.40 J	0.498 J	0.0142 U	0.0157 U	
	B-916-30	9/21/17	PES	ESC	50 (dup)	-10.8	-	-	-	0.000286 U	0.000460 U	0.000315 U	0.000740 U	4.34	0.172 J	0.160 J	0.00183	0.000309 U	
B-223	B-223-16	9/21/17	PES	ESC	16	23.1	-	-	-	0.0638 U	0.103 U	0.0702 U	0.165 U	27.0	1.08	1.71	0.0624 U	0.0688 U	
	B-223-22	9/21/17	PES	ESC	22	17.1	-	-	-	0.0617 U	0.0991 U	0.0678 U	0.160 U	38.0	0.453	0.713	0.0603 U	0.0665 U	
	B-223-30	9/21/17	PES	ESC	30	9.1	-	-	-	7.43 U	11.9 U	8.17 U	19.2 U	5,560	7.68 U	6.47 U	7.27 U	8.01 U	
	B-223-39	9/21/17	PES	ESC	39	0.1	-	-	-	0.000308 U	0.000494 U	0.000338 U	0.000795 U	4.68	0.0228	0.0914	0.000883 J	0.00775	
	B-223-47	9/21/17	PES	ESC	47	-7.9	-	-	-	0.000314 U	0.000504 U	0.000345 U	0.000810 U	2.17 J	0.00106 J	0.00208	0.000307 U	0.000338 U	
	B-917-57	9/21/17	PES	ESC	47 (dup)	-7.9	-	-	-	0.000290 U	0.000466 U	0.000319 U	0.000750 U	1.13 J	0.000520 J	0.000728 J	0.000284 U	0.000313 U	
DB01	DB01-10	3/18/13	SES	F&BI	10	30.0	-	-	-	-	-	-	-	0.042	0.03 U	0.05 U	0.05 U	0.05 U	
	DB01-20	3/18/13	SES	F&BI	20	20.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
	DB01-30	3/18/13	SES	F&BI	30	10.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
	DB01-40	3/18/13	SES	F&BI	40	0.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
DB02	DB02-10	3/18/13	SES	F&BI	10	26.0	2 U	50 U	250 U	0.02 U	0.02 U	0.02 U	0.06 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
	DB02-15	3/18/13	SES	F&BI	15	21.0	2 U	50 U	250 U	0.02 U	0.02 U	0.02 U	0.06 U	-	-	-	-	-	

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)															
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC				
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050				
					Screening Levels																	
DB02 (continued)	DB02-20	3/18/13	SES	F&BI	20	16.0	–	–	–	–	–	–	–	0.22	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB02-30	3/18/13	SES	F&BI	30	6.0	–	–	–	–	–	–	–	0.058	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB02-40	3/18/13	SES	F&BI	40	4.0	–	–	–	–	–	–	–	2.0	0.060	0.05 U	0.05 U	0.05 U	0.05 U			
DB03	DB03-05	3/27/13	SES	F&BI	5	35.0	–	–	–	–	–	–	–	0.061	0.06 U	0.1 U	0.1 U	0.1 U	0.1 U			
	DB03-20	3/27/13	SES	F&BI	20	20.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB03-35	3/27/13	SES	F&BI	35	5.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB03-45	3/27/13	SES	F&BI	45	-5.0	–	–	–	–	–	–	–	2.7	0.03 U	0.05 U	0.05 U	0.05 U				
	DB03-55	3/27/13	SES	F&BI	55	-15.0	–	–	–	–	–	–	–	3.6	0.11	0.05 U	0.05 U	0.05 U				
	DB03-60	3/27/13	SES	F&BI	60	-20.0	–	–	–	–	–	–	–	3.4	0.23	0.15	0.05 U	0.05 U				
DB04	DB04-10	3/21/13	SES	F&BI	10	30.0	–	–	–	–	–	–	–	0.17	0.03 U	0.05 U	0.05 U	0.05 U				
	DB04-20	3/21/13	SES	F&BI	20	20.0	–	–	–	–	–	–	–	4.5	0.03 U	0.05 U	0.05 U	0.05 U				
	DB04-35	3/21/13	SES	F&BI	35	5.0	–	–	–	–	–	–	–	8.0	0.03 U	0.05 U	0.05 U	0.05 U				
	DB04-45	3/21/13	SES	F&BI	45	-5.0	–	–	–	–	–	–	–	0.28	0.03 U	0.05 U	0.05 U	0.05 U				
	DB04-50	3/22/13	SES	F&BI	50	-10.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB04-60	3/22/13	SES	F&BI	60	-20.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
DB05	DB05-10	3/26/13	SES	F&BI	10	42.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB05-20	3/26/13	SES	F&BI	20	32.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB05-30	3/26/13	SES	F&BI	30	22.8	–	–	–	–	–	–	–	3.2	0.040	0.05 U	0.05 U	0.05 U				
	DB05-40	3/26/13	SES	F&BI	40	12.8	–	–	–	–	–	–	–	14	0.085	0.05 U	0.05 U	0.05 U				
	DB05-50	3/26/13	SES	F&BI	50	2.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB05-60	3/26/13	SES	F&BI	60	-7.2	–	–	–	–	–	–	–	0.34	0.03 U	0.05 U	0.05 U	0.05 U				
	DB05-70	3/26/13	SES	F&BI	70	-17.2	–	–	–	–	–	–	–	0.033	0.03 U	0.05 U	0.05 U	0.05 U				
DB06	DB06-10	3/25/13	SES	F&BI	10	41.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	DB06-25	3/25/13	SES	F&BI	25	26.8	–	–	–	–	–	–	–	0.98	0.033	0.05 U	0.05 U	0.05 U				
	DB06-35	3/25/13	SES	F&BI	35	16.8	–	–	–	–	–	–	–	30	0.26	0.096	0.05 U	0.05 U				
	DB06-45	3/25/13	SES	F&BI	45	6.8	–	–	–	–	–	–	–	1.3	0.036	0.05 U	0.05 U	0.05 U				
	DB06-55	3/25/13	SES	F&BI	55	-3.2	–	–	–	–	–	–	–	0.027	0.03 U	0.05 U	0.05 U	0.05 U				
	DB06-65	3/25/13	SES	F&BI	65	-13.2	–	–	–	–	–	–	–	0.029	0.03 U	0.05 U	0.05 U	0.05 U				
	DB06-75	3/25/13	SES	F&BI	75	-23.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
DB07	DB07-05	3/27/13	SES	F&BI	5	35.0	–	–	–	–	–	–	–	2.7	0.084	0.076	0.05 U	0.05 U				
	DB07-15	3/27/13	SES	F&BI	15	25.0	–	–	–	–	–	–	–	7.1	0.03 U	0.05 U	0.05 U	0.05 U				
	DB07-25	3/27/13	SES	F&BI	25	15.0	–	–	–	–	–	–	–	9.8	0.067	0.05 U	0.05 U	0.05 U				
	DB07-35	3/28/13	SES	F&BI	35	5.0	–	–	–	–	–	–	–	16	0.088	0.05 U	0.05 U	0.05 U				
	DB07-45	3/28/13	SES	F&BI	45	-5.0	–	–	–	–	–	–	–	13	0.72	0.05 U	0.05 U	0.05 U				
	DB07-50	3/28/13	SES	F&BI	50	-10.0	–	–	–	–	–	–	–	7.3	0.19	0.16	0.05 U	0.05 U				
	DB07-60	3/28/13	SES	F&BI	60	-20.0	–	–	–	–	–	–	–	1.5	0.92	0.53	0.05 U	0.05 U				
	DB07-70	3/28/13	SES	F&BI	70	-30.0	–	–	–	–	–	–	–	5.0	0.96	0.41	0.05 U	0.05 U				
DB08	DB08-10	3/20/13	SES	F&BI	10	30.0	–	–	–	–	–	–	–	0.048	0.03 U	0.05 U	0.05 U	0.05 U				
	DB08-20	3/20/13	SES	F&BI	20	20.0	–	–	–	–	–	–	–	4.0	0.19	0.097	0.05 U	0.05 U				
	DB08-35	3/20/13	SES	F&BI	35	5.0	–	–	–	–	–	–	–	4.5	0.21	0.94	0.05 U	0.05 U				
	DB08-45	3/20/13	SES	F&BI	45	-5.0	–	–	–	–	–	–	–	0.056	0.03 U	0.05 U	0.05 U	0.05 U				
	DB08-50	3/21/13	SES	F&BI	50	-10.0	–	–	–	–	–	–	–	4.2	0.25	0.070	0.05 U	0.05 U				
	DB08-60	3/21/13	SES	F&BI	60	-20.0	–	–	–	–	–	–	–	0.51	0.20	0.080	0.05 U	0.05 U				
	DB08-70	3/21/13	SES	F&BI	70	-30.0	–	–	–	–	–	–	–	0.41	0.040	0.05 U	0.05 U	0.05 U				
DB09	DB09-10	3/19/13	SES	F&BI	10	30.0	–	–	–	–	–	–	–	0.027	0.03 U	0.05 U	0.05 U	0.05 U				
	DB09-20	3/19/13	SES	F&BI	20	20.0	–	–	–	–	–	–	–	0.15	0.03 U	0.05 U	0.05 U	0.05 U				
	DB09-30	3/19/13	SES	F&BI	30	10.0	–	–	–	–	–	–	–	6.1	0.22	0.25	0.05 U	0.05 U				
	DB09-40	3/19/13	SES	F&BI	40	0.0	–	–	–	–	–	–	–	1.3	0.28	0.18	0.05 U	0.05 U				
	DB09-50	3/19/13	SES	F&BI	50	-10.0	–	–	–	–	–	–	–	0.14	0.03 U	0.05 U	0.05 U	0.05 U				
	DB09-60	3/19/13	SES	F&BI	60	-20.0	–	–	–	–	–	–	–	0.031	0.03 U	0.05 U	0.05 U	0.05 U				

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700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)															
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC				
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050				
					Screening Levels																	
DB09	DB09-70	3/19/13	SES	F&BI	70	-30.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
DB10	DB10-10	3/29/13	SES	F&BI	10	30.0	-	-	-	-	-	-	-	0.34	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB10-20	3/29/13	SES	F&BI	20	20.0	-	-	-	-	-	-	-	23	0.11	0.05 U	0.05 U	0.05 U	0.05 U			
	DB10-35	3/29/13	SES	F&BI	35	5.0	-	-	-	-	-	-	-	35	0.40	0.5 U	0.5 U	0.5 U	0.5 U			
	DB10-45	3/29/13	SES	F&BI	45	-5.0	-	-	-	-	-	-	-	57	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U			
	DB10-50	4/1/13	SES	F&BI	50	-10.0	-	-	-	-	-	-	-	52	0.26	0.05 U	0.05 U	0.05 U	0.05 U			
	DB10-60	4/1/13	SES	F&BI	60	-20.0	-	-	-	-	-	-	-	2.0	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB10-70	4/1/13	SES	F&BI	70	-30.0	-	-	-	-	-	-	-	1.8	0.035	0.05 U	0.05 U	0.05 U	0.05 U			
DB11	DB11-15	4/2/13	SES	F&BI	15	36.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB11-25	4/2/13	SES	F&BI	25	26.8	-	-	-	-	-	-	-	0.028	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB11-35	4/2/13	SES	F&BI	35	16.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB11-45	4/2/13	SES	F&BI	45	6.8	-	-	-	-	-	-	-	15	0.12	0.05 U	0.05 U	0.05 U	0.05 U			
	DB11-55	4/2/13	SES	F&BI	55	-3.2	-	-	-	-	-	-	-	0.16	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
DB12	DB12-10	4/3/13	SES	F&BI	10	30.0	-	-	-	-	-	-	-	0.068	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB12-20	4/3/13	SES	F&BI	20	20.0	-	-	-	-	-	-	-	18	0.56	1.6	0.05 U	0.05 U	0.05 U			
	DB12-30	4/3/13	SES	F&BI	30	10.0	-	-	-	-	-	-	-	6.7	0.032	0.052	0.05 U	0.05 U	0.05 U			
	DB12-40	4/3/13	SES	F&BI	40	0.0	-	-	-	-	-	-	-	11	0.060	0.05 U	0.05 U	0.05 U	0.05 U			
DB13	DB13-10	4/3/13	SES	F&BI	10	30.0	-	-	-	-	-	-	-	0.12	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB13-20	4/3/13	SES	F&BI	20	20.0	-	-	-	-	-	-	-	0.78	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB13-35	4/3/13	SES	F&BI	35	5.0	-	-	-	-	-	-	-	2.7	0.24	0.063	0.05 U	0.05 U	0.05 U			
	DB13-45	4/3/13	SES	F&BI	45	-5.0	-	-	-	-	-	-	-	0.066	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
DB14	DB14-10	4/4/13	SES	F&BI	10	31.5	260	-	-	0.059	0.41	1.2	3.6	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB14-20	4/4/13	SES	F&BI	20	21.5	73	-	-	0.02 U	0.078	0.29	1.0	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB14-30	4/4/13	SES	F&BI	30	11.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
	DB14-40	4/4/13	SES	F&BI	40	1.5	-	-	-	-	-	-	-	0.050	0.03 U	0.077	0.05 U	0.05 U	0.05 U			
G-MW1	MW 1-3-8	7/20/01	GeoEng	NCA	8	31.0	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	19.9	0.0230 U	0.0260 U	0.0130 U	0.0130 U				
	MW 1-8-20	7/20/01	GeoEng	NCA	20	19.0	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	237	0.0622	0.0260 U	0.0130 U	0.0130 U				
	MW 1-11-27.5	7/20/01	GeoEng	NCA	27.5	11.5	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	16.4	0.0706 J	0.0260 U	0.0130 U	0.0130 U				
	MW 1-13-32.5	7/20/01	GeoEng	NCA	32.5	6.5	-	-	-	0.0380 U	0.0360 U	0.0380 U	0.1080 U	33.1	0.394	0.0520 U	0.0260 U	0.0260 U				
	MW 1-15-37.5	7/20/01	GeoEng	NCA	37.5	1.5	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	0.678	0.0230 U	0.0260 U	0.0130 U	0.0130 U				
G-MW3 (G-SB4 11)	SB4-4-10	7/20/01	GeoEng	NCA	10	29.6	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	0.528	0.0230 U	0.0260 U	0.0130 U	0.0130 U				
	SB4-7-17.5	7/20/01	GeoEng	NCA	17.5	22.1	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	13.2	0.0230 U	0.0260 U	0.0130 U	0.0130 U				
	SB4-13-32.5	7/20/01	GeoEng	NCA	32.5	7.1	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	5.70	0.175	0.0260 U	0.0130 U	0.0130 U				
	SB4-15-37.5	7/20/01	GeoEng	NCA	37.5	2.1	-	-	-	0.0190 U	0.0180 U	0.0190 U	0.0540 U	0.581	0.0230 U	0.0260 U	0.0130 U	0.0130 U				
IW06	IW06-25	1/15/16	SES	F&BI	25	26.8	-	-	-	-	-	-	-	0.49 ve	0.010	0.005 U	0.005 U	0.005 U				
	IW06-30	1/15/16	SES	F&BI	30	21.8	-	-	-	-	-	-	-	0.19	0.0080	0.005 U	0.005 U	0.005 U				
	IW06-40	1/15/16	SES	F&BI	40	11.8	-	-	-	-	-	-	-	0.005 U	0.003 U	0.005 U	0.005 U	0.005 U				
	IW06-50	1/15/16	SES	F&BI	50	1.8	-	-	-	-	-	-	-	0.071	0.003 U	0.005 U	0.005 U	0.005 U				
	IW06-55	1/15/16	SES	F&BI	55	-3.2	-	-	-	-	-	-	-	0.018	0.003 U	0.005 U	0.005 U	0.005 U				
	IW06-60	1/15/16	SES	F&BI	60	-8.2	-	-	-	-	-	-	-	0.005 U	0.003 U	0.0061	0.005 U	0.005 U				
	IW06-65	1/15/16	SES	F&BI	65	-13.2	-	-	-	-	-	-	-	0.017	0.003 U	0.005 U	0.005 U	0.005 U				
	IW06-70	1/15/16	SES	F&BI	70	-18.2	-	-	-	-	-	-	-	0.005 UJ	0.003 U	0.005 U	0.005 U	0.005 U				
IW06-75	1/15/16	SES	F&BI	75	-23.2	-	-	-	-	-	-	-	0.019 J	0.003 UJ	0.005 UJ	0.005 UJ	0.005 UJ					
MW101 (B101)	B101-30	7/10/12	SES	F&BI	30	10.0	-	-	-	-	-	-	-	24	0.12	0.05 U	0.05 U	0.05 U				
	B101-34	7/10/12	SES	F&BI	34	6.0	-	-	-	-	-	-	-	8.4	0.033	0.05 U	0.05 U	0.05 U				
	B101-40	7/10/12	SES	F&BI	40	0.0	-	-	-	-	-	-	-	20	0.28	0.064	0.05 U	0.05 U				
	B101-47	7/10/12	SES	F&BI	47	-7.0	-	-	-	-	-	-	-	7.2	0.20	0.12	0.05 U	0.05 U				
	B101-48	7/10/12	SES	F&BI	48	-8.0	-	-	-	-	-	-	-	-	-	-	-	-				
	B101-55	7/10/12	SES	F&BI	55	-15.0	-	-	-	-	-	-	-	4.2	0.084	0.05 U	0.05 U	0.05 U				
	B101-65	7/10/12	SES	F&BI	65	-25.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)												
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
							Screening Levels							30	2,000	2,000	0.030	0.273	0.343
MW101 (B101) (continued)	B101-75	7/11/12	SES	F&BI	75	-35.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-81	7/11/12	SES	F&BI	81	-41.0	-	-	-	-	-	-	-	-	0.31	0.03 U	0.05 U	0.05 U	0.05 U
	B101-92	7/12/12	SES	F&BI	92	-52.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-97	7/12/12	SES	F&BI	97	-57.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-104	7/12/12	SES	F&BI	104	-64.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-114.5	7/12/12	SES	F&BI	114.5	-74.5	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-120	7/12/12	SES	F&BI	120	-80.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
	B101-131	7/12/12	SES	F&BI	131	-91.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U
B101-140	7/12/12	SES	F&BI	140	-100.0	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
MW130 (B130)	B130-10	3/1/16	SES	F&BI	10	30.0	-	-	-	-	-	-	-	-	0.17	0.040	0.05 U	0.05 U	0.05 U
	B130-20	3/1/16	SES	F&BI	20	20.0	-	-	-	-	-	-	-	-	0.82	0.054	0.05 U	0.05 U	0.05 U
	B130-30	3/1/16	SES	F&BI	30	10.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B130-40	3/1/16	SES	F&BI	40	0.0	-	-	-	-	-	-	-	-	0.032	0.02 U	0.05 U	0.05 U	0.05 U
	B130-45	3/2/16	SES	F&BI	45	-5.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B130-50	3/2/16	SES	F&BI	50	-10.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B130-55	3/2/16	SES	F&BI	55	-15.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B130-60	3/2/16	SES	F&BI	60	-20.0	-	-	-	-	-	-	-	-	0.086	0.02 U	1.20	0.05 U	0.05 U
	B130-65	3/2/16	SES	F&BI	65	-25.0	-	-	-	-	-	-	-	-	1.9	0.079	0.05 U	0.05 U	0.05 U
	B130-70	3/2/16	SES	F&BI	70	-30.0	-	-	-	-	-	-	-	-	37 ve	0.44	0.073	0.05 U	0.05 U
	B130-75	3/2/16	SES	F&BI	75	-35.0	-	-	-	-	-	-	-	-	2.9	0.058	0.05 U	0.05 U	0.05 U
B130-80	3/2/16	SES	F&BI	80	-40.0	-	-	-	-	-	-	-	-	0.59	0.02 U	0.05 U	0.05 U	0.05 U	
MW131 (B131)	B131-10	3/1/16	SES	F&BI	10	30.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B131-20	3/1/16	SES	F&BI	20	20.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B131-30	3/1/16	SES	F&BI	30	10.0	-	-	-	-	-	-	-	-	0.097	2.4	3.2	0.064	0.05 U
	B131-40	3/1/16	SES	F&BI	40	0.0	-	-	-	-	-	-	-	-	0.025 U	0.02 U	0.05 U	0.05 U	0.05 U
	B131-45	3/2/16	SES	F&BI	45	-5.0	-	-	-	-	-	-	-	-	0.21	0.036	0.069	0.05 U	0.05 U
	B131-55	3/2/16	SES	F&BI	55	-15.0	-	-	-	-	-	-	-	-	0.44	0.60	0.55	0.05 U	0.05 U
MW-132	MW-132-20	8/22/17	PES	ESC	20	20.1	0.0378 U	-	-	0.000301 U	0.000484 U	0.000331 U	0.000778 U	0.000312 J	0.000380 J	0.0108	0.000443 J	0.00217	
	MW-132-35	8/22/17	PES	ESC	35	5.1	0.0379 U	-	-	0.000302 U	0.000486 U	0.000332 U	0.000781 U	0.00166	0.000312 U	0.00506	0.000295 U	0.00377 UJ	
	MW-132-50	8/22/17	PES	ESC	50	-9.9	1.97	-	-	0.000292 U	0.000470 U	0.000321 U	0.000755 U	0.109	0.153	4.62	0.0405	0.00219	
	MW-132-55	8/23/17	PES	ESC	55	-14.9	126 z	-	-	0.0310 U	0.0499 U	0.0342 U	0.0803 U	385	9.63	2.22	0.0725 J	0.0335 U	
	MW-132-60	8/23/17	PES	ESC	60	-19.9	0.276	-	-	0.000291 U	0.000467 U	0.000320 U	0.000752 U	3.92	4.60	0.0871	0.000785 J	0.000808 J	
	MW-132-70	8/23/17	PES	ESC	70	-29.9	1.03 U	-	-	0.000329 U	0.000529 U	0.000362 U	0.000851 U	0.00905 J	0.000851 U	0.000586 J	0.000322 U	0.000355 U	
	MW-132-83	8/23/17	PES	ESC	83	-42.9	0.925 U	-	-	0.000302 J	0.000473 U	0.000324 U	0.000761 U	0.00753 U	0.000304 U	0.000283 J	0.000288 U	0.000317 U	
MW-133	MW-133-20	8/15/17	PES	ESC	20	20.0	0.183	-	-	0.000422 J	0.000511 U	0.000350 U	0.000823 U	3.62	0.0688	0.159	0.000591 J	0.000389 J	
	MW-133-35	8/15/17	PES	ESC	35	5.0	0.0443 U	-	-	0.000353 U	0.000567 U	0.000388 U	0.000911 U	0.00901 U	0.000594 J	0.000361 J	0.000345 U	0.000380 U	
	MW-133-45	8/15/17	PES	ESC	45	-5.0	3.59 J	-	-	0.000293 U	0.000472 U	0.000323 U	0.000759 U	5.17	0.0309	13.0	0.00508	0.323	
	MW-133-55	8/15/17	PES	ESC	55	-15.0	38.9 Jz	-	-	0.0661 U	0.106 U	0.0727 U	0.171 U	114	0.988	4.09	0.0646 U	0.0712 U	
	MW-133-58	8/15/17	PES	ESC	58	-18.0	387 Jz	-	-	1.60 U	2.57 U	1.75 U	4.13 U	691	1.66 U	1.40 U	1.56 U	1.73 U	
	MW-133-65	8/15/17	PES	ESC	65	-25.0	7.21 Jz	-	-	0.000313 U	0.000502 U	0.000344 U	0.000808 U	36.0	2.96	1.41	0.00123	0.00631	
	MW-133-75	8/15/17	PES	ESC	75	-35.0	0.0394 U	-	-	0.000314 U	0.000505 U	0.000346 U	0.000812 U	0.0468 J	0.000647 J	0.00191	0.000307 U	0.000339 U	
	MW-133-85	8/15/17	PES	ESC	85	-45.0	1.28 J	-	-	0.00791 U	0.580	0.00870 U	0.0204 U	2.28	0.146	0.0717	0.00774 U	0.00853 U	
	MW-133-95	8/16/17	PES	ESC	95	-55.0	0.0572 U	-	-	0.000315 U	0.000506 U	0.000346 U	0.000813 U	0.00127	0.000325 U	0.000274 U	0.000308 U	0.000339 U	
	MW-133-105	8/16/17	PES	ESC	105	-65.0	0.0849 U	-	-	0.000325 U	0.000523 U	0.000358 U	0.000840 U	0.000345 J	0.000336 U	0.000283 U	0.000318 U	0.000350 U	
	MW-133-120	8/16/17	PES	ESC	120	-80.0	0.0964 U	-	-	0.00734 U	0.0117 U	0.00806 U	0.0189 U	0.00750 U	0.00759 U	0.00639 U	0.00717 U	0.00791 U	
	MW-133-130	8/16/17	PES	ESC	130	-90.0	0.109 U	-	-	0.000322 U	0.000517 U	0.000354 U	0.000832 U	0.0119	0.00354	0.000888 J	0.000314 U	0.000347 U	
	MW-133-135	8/16/17	PES	ESC	135	-95.0	15.3 Jw	-	-	0.00369	0.0119	0.00179	0.00392	0.0107	0.000965 J	0.000836 J	0.000299 U	0.000330 U	
	MW-133-141	8/16/17	PES	ESC	141	-101.0	0.955 U	-	-	0.000766 J	0.000489 U	0.000334 U	0.000786 U	0.000311 U	0.000314 U	0.000265 U	0.000297 U	0.000328 U	
MW-134	MW-134-20	8/29/17	PES	ESC	20	21.4	1.12 U	-	-	0.00197 U	0.000571 U	0.000391 U	0.000919 U	0.000363 U	0.000367 U	0.000309 U	0.000347 U	0.000383 U	
	MW-134-43	8/29/17	PES	ESC	43	-1.6	0.984 U	-	-	0.000313 U	0.000504 U	0.000345 U	0.000810 U	0.00863	0.0551	2.58	0.0111 J	0.217	

Table F-1

Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)													
							Screening Levels		GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050		
MW-134 (continued)	MW-134-50	8/29/17	PES	ESC	50	-8.6	1.35			0.000297 U	0.000477 U	0.000327 U	0.000767 U	17.9	2.34	0.740	0.0290 U	0.0196		
	MW-134-60	8/29/17	PES	ESC	60	-18.6	0.447			0.000298 U	0.000479 U	0.000328 U	0.000771 U	0.0770	0.00544	4.46	0.00729 U	0.0118		
	MW-134-70	8/29/17	PES	ESC	70	-28.6	1.11 U			0.000344 U	0.000554 U	0.000379 U	0.000890 U	0.0742	0.0111	0.0468	0.000337 U	0.0426		
	MW-134-80	8/29/17	PES	ESC	80	-38.6	0.970 U			0.000289 U	0.000464 U	0.000318 U	0.000746 U	0.0105 J	0.00316 J	0.0119 J	0.000282 U	0.00656 J		
	B-903-100	8/29/17	PES	ESC	80 (dup)	-38.6	0.893 U			0.000284 U	0.000457 U	0.000313 U	0.000735 U	0.0407 J	0.0132 J	0.0725 J	0.000278 U	0.0143 J		
	MW-134-90	8/29/17	PES	ESC	90	-48.6	1.08 U			0.000343 U	0.000551 U	0.000377 U	0.000886 U	0.000676 J	0.000354 U	0.00747 U	0.00838 U	0.000370 U		
MW-135	MW-135-16	8/24/17	PES	ESC	14	25.1	641 z			0.0329 U	0.166 J	0.0750 J	0.331 J	933	113	329	0.700	17.0		
	MW-135-20	8/24/17	PES	ESC	20	19.1	0.277			0.00769 U	0.0123 U	0.00845 U	0.0198 U	1.73	0.461	0.408	0.00752 U	0.0241 J		
	MW-135-30	8/24/17	PES	ESC	30	9.1	10.4 z			0.000287 U	0.00159 J	0.000315 U	0.00135 J	109	2.90	1.98	0.00363	0.0430		
	MW-135-36	8/24/17	PES	ESC	36	3.1	0.733			0.000315 U	0.000507 U	0.000347 U	0.000815 U	20.1	0.0571	0.154	0.000907 J	0.00962		
	MW-135-40	8/24/17	PES	ESC	40	-0.9	4.34			0.000322 U	0.000518 U	0.000354 U	0.000832 U	10.6	2.71	12.8	0.00769	0.405		
	MW-135-45	8/24/17	PES	ESC	45	-5.9	5.09 z			0.000321 U	0.000515 U	0.000353 U	0.000829 U	69.7	3.10	5.35	0.00859	0.00963		
	MW-135-55	8/24/17	PES	ESC	55	-15.9	0.157			0.000293 U	0.000471 U	0.000323 U	0.000758 U	8.68	0.0673	0.0594	0.000287 U	0.00105 J		
	MW-135-65	8/24/17	PES	ESC	65	-25.9	0.161			0.000320 U	0.000515 U	0.000352 U	0.000828 U	0.190	0.00881	0.0170	0.000313 U	0.000345 U		
MW-136	MW-136-35	8/28/17	PES	ESC	35	16.8	-			0.000284 U	0.000457 U	0.000313 U	0.000735 U	0.00777	0.000437 J	0.0117	0.000278 U	0.000306 U		
	B-902-15	8/28/17	PES	ESC	35 (dup)	16.8	-			0.000295 U	0.000474 U	0.000324 U	0.000762 U	0.00621	0.000324 J	0.0141	0.000288 U	0.000318 U		
	MW-136-44	8/28/17	PES	ESC	44	7.8	-			0.000303 U	0.000487 U	0.000333 U	0.000783 U	0.0853 UJ	0.00255	0.0174	0.000296 U	0.000327 U		
	MW-136-50	8/28/17	PES	ESC	50	1.8	-			0.000311 U	0.000499 U	0.000342 U	0.000803 U	0.000318 U	0.000321 U	0.00677 U	0.00759 U	0.000335 U		
	MW-136-65	8/28/17	PES	ESC	65	-13.2	-			0.000838 J	0.000472 U	0.000323 U	0.000759 U	0.000300 U	0.000303 U	0.000256 U	0.000287 U	0.000316 U		
	MW-136-75	8/28/17	PES	ESC	75	-23.2	-			0.000300 U	0.000482 U	0.000330 U	0.000775 U	0.000307 U	0.000310 U	0.000261 U	0.000293 U	0.000323 U		
	MW-136-85	8/28/17	PES	ESC	85	-33.2	-			0.000301 U	0.000485 U	0.000332 U	0.000779 U	0.000308 U	0.000311 U	0.000262 U	0.000295 U	0.000325 U		
	MW-136-95	8/28/17	PES	ESC	95	-43.2	-			0.000302 U	0.000486 U	0.000332 U	0.000781 U	0.000309 U	0.000312 U	0.000263 U	0.000295 U	0.000326 U		
MW-137	MW-137-25	8/31/17	PES	ESC	25	26.7	0.0370 U			0.000294 U	0.000473 U	0.000324 U	0.000761 U	0.00174	0.00245	0.000783 J	0.000288 U	0.000317 U		
	MW-137-45	8/31/17	PES	ESC	45	6.7	0.0384 U			0.00764 U	0.0122 U	0.00840 U	0.0197 U	0.00781 U	0.00790 U	0.00753 J	0.00747 U	0.00824 U		
	MW-137-75	8/31/17	PES	ESC	75	-23.3	-			0.000533 J	0.000477 U	0.000326 U	0.000766 U	0.000303 U	0.000306 U	0.000258 U	0.000290 U	0.000319 U		
	MW-137-85	9/1/17	PES	ESC	85	-33.3	0.0406 U			0.000324 U	0.000520 U	0.000356 U	0.000837 U	0.000331 U	0.000334 U	0.000282 U	0.000316 U	0.000349 U		
	MW-137-95	9/1/17	PES	ESC	95	-43.3	0.0363 U			0.000289 U	0.000465 U	0.000318 U	0.000747 U	0.000296 U	0.000299 U	0.000252 U	0.000283 U	0.000312 U		
	MW-137-115	9/1/17	PES	ESC	115	-63.3	0.0415 U			0.000330 U	0.000531 U	0.000363 U	0.000854 U	0.000338 U	0.000341 U	0.000287 U	0.000323 U	0.000356 U		
MW-139	MW-139-20	9/13/17	PES	ESC	20	19.8	-			0.000312 U	0.000502 U	0.000344 U	0.000807 U	0.0138 J	0.000323 U	0.000500 J	0.000305 U	0.00397		
	MW-139-31	9/13/17	PES	ESC	31	8.8	-			0.000289 U	0.000464 U	0.000318 U	0.000747 U	0.00308	0.000467 J	0.00814	0.000282 U	0.00139		
	MW-139-41	9/13/17	PES	ESC	41	-1.2	-			0.000290 U	0.000466 U	0.000319 U	0.000750 U	0.0126	0.00100 J	0.0982	0.000407 J	0.00209		
	MW-139-51	9/13/17	PES	ESC	51	-11.2	-			0.000312 U	0.000501 U	0.000343 U	0.000805 U	0.000397 J	0.000322 U	0.000763 J	0.000305 U	0.000336 U		
	MW-139-60	9/13/17	PES	ESC	60	-20.2	-			0.000290 U	0.000466 U	0.000319 U	0.000750 U	0.000296 U	0.000300 U	0.000252 U	0.000284 U	0.000313 U		
	MW-139-70	9/13/17	PES	ESC	70	-30.2	-			0.000319 U	0.000512 U	0.000350 U	0.000824 U	0.000326 U	0.000329 U	0.000277 U	0.000312 U	0.000343 U		
	MW-139-80	9/13/17	PES	ESC	80	-40.2	-			0.000305 U	0.000490 U	0.000336 U	0.000789 U	0.000780 U	0.000315 U	0.000266 U	0.000298 U	0.000329 U		
	MW-141	MW-141-15	9/18/17	PES	ESC	15	24.5	-			0.000305 U	0.000490 U	0.000335 U	0.000787 U	0.000311 U	0.000315 U	0.00128	0.000298 U	0.000388 J	
	MW-141-35	9/18/17	PES	ESC	35	4.5	-			0.000313 U	0.000504 U	0.000345 U	0.000810 U	0.000320 U	0.000324 U	0.000473 J	0.000306 U	0.000338 U		
	MW-141-46	9/18/17	PES	ESC	46	-6.5	-			0.000295 U	0.000475 U	0.000325 U	0.000763 U	0.000357 J	0.000424 J	0.00329	0.000289 U	0.00194		
	MW-141-56	9/18/17	PES	ESC	56	-16.5	-			0.000287 U	0.000462 U	0.000316 U	0.000742 U	0.000294 U	0.000297 U	0.000474 J	0.000281 U	0.000310 U		
	MW-141-65	9/18/17	PES	ESC	65	-25.5	-			0.000284 U	0.000457 U	0.000312 U	0.000734 U	0.000290 U	0.000293 U	0.000247 U	0.000278 U	0.000306 U		
	MW-141-75	9/18/17	PES	ESC	75	-35.5	-			0.000480 J	0.000463 U	0.000317 U	0.000744 U	0.000294 U	0.000297 U	0.000251 U	0.000281 U	0.000310 U		
	MW-141-85	9/18/17	PES	ESC	85	-45.5	-			0.000315 U	0.000507 U	0.000347 U	0.000815 U	0.000322 U	0.000326 U	0.000274 U	0.000308 U	0.000340 U		
	MW-141-95	9/18/17	PES	ESC	95	-55.5	-			0.000323 U	0.000520 U	0.000356 U	0.000836 U	0.000331 U	0.000334 U	0.000281 U	0.000316 U	0.000349 U		
	MW-141-105	9/19/17	PES	ESC	105	-65.5	-			0.000322 U	0.000518 U	0.000355 U	0.000833 U	0.000330 U	0.000333 U	0.000281 U	0.000315 U	0.000347 U		
P01	P01-05	2/12/14	SES	F&BI	5	35.5	2 U	50 U	250 U	0.02 U	0.02 U	0.02 U	0.06 U	-	-	-	-	-		
	P01-10	2/12/14	SES	F&BI	10	30.5	2 U	230 x	250 U	0.02 U	0.02 U	0.02 U	0.06 U	-	-	-	-	-		
P02	P02-05	2/12/14	SES	F&BI	5	34.5	-	-	-	-	-	-	-	0.16	0.03 U	0.05 U	0.05 U	0.05 U		
	P02-07.5	2/12/14	SES	F&BI	7.5	32.0	-	-	-	-	-	-	-	1.2	0.072	0.05 U	0.05 U	0.05 U		
P03	P03-05	2/12/14	SES	F&BI	5	34.5	-	-	-	-	-	-	-	0.36	0.03 U	0.05 U	0.05 U	0.05 U		

Table F-1

Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)												
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
P03	P03-07.5	2/12/14	SES	F&BI	7.5	32.0	-	-	-	-	-	-	-	0.061	0.03 U	0.05 U	0.05 U	0.05 U	
P04	P04-05	2/12/14	SES	F&BI	7.5	32.5	-	-	-	-	-	-	-	0.55	0.03 U	0.05 U	0.05 U	0.05 U	
	P04-10	2/12/14	SES	F&BI	10	30	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	
P05	P05-05	2/12/14	SES	F&BI	5	35	-	-	-	-	-	-	-	0.049	0.03 U	0.05 U	0.05 U	0.05 U	
	P05-07.5	2/12/14	SES	F&BI	7.5	32.5	-	-	-	-	-	-	-	0.031	0.03 U	0.05 U	0.05 U	0.05 U	
P06	P06-07.5	2/12/14	SES	F&BI	7.5	32.5	-	-	-	-	-	-	-	0.31	0.03 U	0.05 U	0.05 U	0.05 U	
	P06-10	2/12/14	SES	F&BI	10	30	-	-	-	-	-	-	-	0.083	0.03 U	0.05 U	0.05 U	0.05 U	
R-MW1 W-MW-03 (P-07)	Unknown	10/22/92	Roux	Unknown	5	32.78	-	-	-	-	-	-	-	5.8	0.35	-	0.005 U	0.010 U	
	SB-W-07-0135	1/26/12	WW	ARI	13.5-14	25.2	-	-	-	0.0007 J	0.0024	0.0009 U	0.0008 J	0.0038	0.0005 J	0.0008 J	0.0009 U	0.0009 U	
	SB-W-07-0275	1/26/12	WW	ARI	27.5-28	11.2	-	-	-	0.0005 J	0.0013	0.0009 U	0.0018 U	0.12	0.0053	0.083	0.0013	0.0009 U	
	SB-W-07-0335	1/26/12	WW	ARI	33.5-34	5.2	-	-	-	0.0008 U	0.0012	0.0008 U	0.0004 J	18 B	0.05	0.011	0.0008 U	0.0008 U	
	SB-W-07-0430	1/26/12	WW	ARI	43-43.5	-4.3	-	-	-	0.0008 U	0.0009	0.0008 U	0.0016 U	46 B	0.7	0.091	0.0009	0.0008 U	
	SB-W-07-0530	1/26/12	WW	ARI	53-53.5	-14.3	-	-	-	0.0008 U	0.0012	0.0008 U	0.0016 U	18 B	1.1	0.63	0.0009	0.0008 U	
	SB-W-07-0630	1/26/12	WW	ARI	63-63.5	-24.3	-	-	-	0.0010 U	0.0007 J	0.0010 U	0.0020 U	0.0012 B	0.0010 U	0.0010 U	0.0010 U	0.0010 U	
W-MW-04 (P-08)	SB-W-07-0780	1/26/12	WW	ARI	78-78.5	-39.3	-	-	-	0.0008 U	0.0004 J	0.0008 U	0.0016 U	0.0023 B	0.0008 U	0.0008 U	0.0008 U	0.0008 U	
	SB-W-08-0090	1/28/12	WW	ARI	9-9.5	26.03	-	-	-	0.27 U	0.27 U	0.27 U	0.54 U	9.5 T	2.3	7.3	0.22 J	0.71	
	SB-W-08-0155	1/28/12	WW	ARI	15.5-16	19.53	-	-	-	0.0009 U	0.0006 J	0.0009 U	0.0018 U	0.38 T	0.11	0.12	0.0039	0.12	
	SB-W-08-0265	1/28/12	WW	ARI	26.5-27	8.53	-	-	-	0.0009 U	0.0006 J	0.0009 U	0.0019 U	0.37 T	0.0052	0.0043	0.0009 U	0.0009 U	
	SB-W-08-0380	1/28/12	WW	ARI	38-38.5	-2.97	-	-	-	0.0008 U	0.0008 U	0.0008 U	0.0016 U	0.48 T	0.0019	0.0012	0.0008 U	0.0008 U	
	SB-W-08-0480	1/28/12	WW	ARI	48-48.5	-12.97	-	-	-	0.0005 J	0.0013	0.0009 U	0.0018 U	0.025 T	0.0007 J	0.0009 J	0.0009 U	0.0009 U	
	SB-W-08-9480	1/28/12	WW	ARI	48-48.5 (dup)	-12.97	-	-	-	0.0004 J	0.0008 J	0.0009 U	0.0018 U	0.016 T	0.0009 U	0.0005 J	0.0009 U	0.0009 U	
	SB-W-08-0590	1/28/12	WW	ARI	59-59.5	-23.97	-	-	-	0.13 U	0.13 U	0.13 U	0.26 U	10 T	0.081 J	0.13 U	0.13 U	0.13 U	
On Property Statistics	Number of Analytes Measured						80	4	4	222	222	222	222	358	358	357	358	358	
	Number of Analytes Detected						38	1	0	19	26	8	11	258	182	173	65	78	
Frequency of Detection						48%	25%	0%	9%	12%	4%	5%	72%	51%	48%	18%	22%		
Maximum Detection						641 z	230 x	-	0.304	0.580	4.74	6.02	8,270	113	329	0.700	17.0		
Minimum Detection						0.0353 U	50 U	250 U	0.000281 U	0.000400 J	0.000309 U	0.000400 J	0.000290 U	0.000293 U	0.000247 U	0.000275 U	0.000306 U		
Off Property																			
B-1A	B-1/S-2	12/1/89	HC	ARI	10.5	-	800	-	-	-	-	-	-	-	-	-	-	-	
B-2A	B-2/S-1	12/1/89	HC	ARI	10	-	12	-	-	-	-	-	-	-	-	-	-	-	
B-212	B-212-15	9/8/17	PES	ESC	15	42.6	0.977 U	-	-	0.000311 U	0.000500 U	0.000342 U	0.000804 U	0.000318 U	0.000321 U	0.000271 UJ	0.000304 U	0.000335 U	
	B-212-21	9/8/17	PES	ESC	21	36.6	63.0 q	-	-	0.000346 J	0.000649 J	0.00103 J	0.0131	0.000490 J	0.000290 U	0.000244 UJ	0.000274 U	0.000302 U	
	B-212-35	9/8/17	PES	ESC	35	22.6	1.98 U	-	-	0.000294 U	0.000473 U	0.000324 U	0.000761 U	0.000955 J	0.000304 U	0.000256 UJ	0.000288 U	0.000317 U	
	B-212-45	9/8/17	PES	ESC	45	12.6	2.81 J	-	-	0.000303 J	0.000454 U	0.000311 U	0.000730 U	0.000289 U	0.000292 U	0.000246 UJ	0.000276 U	0.000304 U	
	B-907-25	9/8/17	PES	ESC	45 (dup)	12.6	1.16 U	-	-	0.00807 U	0.0129 U	0.00887 U	0.0208 U	0.00825 U	0.00834 U	0.00703 U	0.00789 U	0.00870 U	
	B-212-55	9/8/17	PES	ESC	55	2.6	3.40 J	-	-	0.000305 U	0.000490 U	0.000335 U	0.000787 U	0.000311 U	0.000315 U	0.000265 UJ	0.000298 U	0.000328 U	
	B-212-65	9/8/17	PES	ESC	65	-7.4	1.29 U	-	-	0.000313 U	0.000504 U	0.000345 U	0.000810 U	0.000320 U	0.000324 U	0.000273 U	0.000306 U	0.000338 U	
	B-212-75	9/8/17	PES	ESC	75	-17.4	1.05 U	-	-	0.000314 U	0.000505 U	0.000345 U	0.000812 U	0.000321 U	0.000324 U	0.000273 U	0.000307 U	0.000338 U	
	B-212-85	9/11/17	PES	ESC	85	-27.4	0.0385 U	-	-	0.000306 U	0.000492 U	0.000337 U	0.000792 U	0.000313 U	0.000317 U	0.000267 U	0.000300 U	0.000330 U	
	B-212-95	9/11/17	PES	ESC	95	-37.4	0.0422 U	-	-	0.000354 U	0.000568 U	0.000389 U	0.000913 U	0.000361 U	0.000365 U	0.000308 U	0.000345 U	0.000381 U	
	B-212-100	9/11/17	PES	ESC	100	-42.4	0.0409 U	-	-	0.000326 U	0.000524 U	0.000358 U	0.000842 U	0.000333 U	0.000337 U	0.000284 U	0.000319 U	0.000351 U	
B-213	B-213-15	9/5/17	PES	ESC	15	42.4	-	-	-	0.000313 U	0.000503 U	0.000344 U	0.000809 U	0.00289	0.000323 U	0.000272 U	0.000306 U	0.000337 U	
	B-213-21.5	9/5/17	PES	ESC	22	35.9	-	-	-	0.000385 J	0.000540 J	0.000991 J	0.0126 J	0.00263	0.000291 U	0.000245 U	0.000275 U	0.000303 U	
	B-213-35	9/5/17	PES	ESC	35	22.4	-	-	-	0.000292 U	0.000470 U	0.000322 U	0.000756 U	0.000299 U	0.000302 U	0.000254 U	0.000286 U	0.000315 U	
	B-213-45	9/5/17	PES	ESC	45	12.4	-	-	-	0.000299 U	0.000481 U	0.000329 U	0.000774 U	0.000306 U	0.000309 U	0.000260 U	0.000293 U	0.000323 U	
	B-213-55	9/5/17	PES	ESC	55	2.4	-	-	-	0.000294 U	0.000472 U	0.000323 U	0.000760 U	0.000300 U	0.000304 U	0.000256 U	0.000287 U	0.000317 U	
	B-213-65	9/5/17	PES	ESC	65	-7.6	-	-	-	0.000297 U	0.000478 U	0.000327 U	0.000768 U	0.000304 U	0.000307 U	0.000259 U	0.000290 U	0.000320 U	
	B-213-75	9/5/17	PES	ESC	75	-17.6	-	-	-	0.000295 U	0.000474 U	0.000325 U	0.000763 U	0.000302 U	0.000305 U	0.000257 U	0.000289 U	0.000318 U	

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)													
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
							Screening Levels 30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050		
B-213 (continued)	B-213-85	9/5/17	PES	ESC	85	-27.6	-	-	-	0.000329 U	0.000529 U	0.000362 U	0.000851 U	0.000336 U	0.000340 U	0.000286 U	0.000322 U	0.000355 U		
	B-213-95	9/6/17	PES	ESC	95	-37.6	-	-	-	0.000334 U	0.000536 U	0.000367 U	0.000862 U	0.000341 U	0.000345 U	0.000290 U	0.000326 U	0.000359 U		
	B-213-105	9/6/17	PES	ESC	105	-47.6	-	-	-	0.000310 U	0.000499 U	0.000341 U	0.000802 U	0.000317 U	0.000321 U	0.000270 U	0.000303 U	0.000334 U		
	B-906-110	9/6/17	PES	ESC	105 (dup)	-47.6	-	-	-	0.000310 U	0.000498 U	0.000341 U	0.000801 U	0.000317 U	0.000320 U	0.000270 U	0.000303 U	0.000334 U		
	B-213-115	9/6/17	PES	ESC	115	-57.6	-	-	-	0.000331 U	0.000532 U	0.000364 U	0.000856 U	0.000338 U	0.000342 U	0.000288 U	0.000324 U	0.000357 U		
	B-213-125	9/6/17	PES	ESC	125	-67.6	-	-	-	0.000400 U	0.000642 U	0.000440 U	0.00103 U	0.000408 U	0.000413 U	0.000348 U	0.000391 U	0.000431 U		
B-214	B-214-15	9/7/17	PES	ESC	15	42.4	-	-	-	0.000290 U	0.000465 U	0.000318 U	0.000748 U	0.000296 U	0.000299 U	0.000252 UJ	0.000283 U	0.000312 U		
	B-214-25	9/7/17	PES	ESC	25	32.4	-	-	-	0.000285 U	0.000459 U	0.000314 U	0.000738 U	0.000292 U	0.000295 U	0.000248 UJ	0.000279 U	0.000308 U		
	B-214-35	9/7/17	PES	ESC	35	22.4	-	-	-	0.000293 U	0.000471 U	0.000322 U	0.000758 U	0.000300 U	0.000303 U	0.000255 UJ	0.000287 U	0.000316 U		
	B-214-45	9/7/17	PES	ESC	45	12.4	-	-	-	0.000287 U	0.000462 U	0.000316 U	0.000743 U	0.000294 U	0.000297 U	0.000250 UJ	0.000281 U	0.000310 U		
	B-214-55	9/7/17	PES	ESC	55	2.4	-	-	-	0.000343 J	0.000482 U	0.000330 U	0.000775 U	0.000306 U	0.000310 U	0.000261 UJ	0.000293 U	0.000323 U		
	B-214-65	9/7/17	PES	ESC	65	-7.6	-	-	-	0.000347 U	0.000559 U	0.000382 U	0.000898 U	0.000355 U	0.000359 U	0.000302 U	0.000340 U	0.000375 U		
	B-214-75	9/7/17	PES	ESC	75	-17.6	-	-	-	0.000300 U	0.000482 U	0.000330 U	0.000775 U	0.000307 U	0.000310 U	0.000261 U	0.000293 U	0.000323 U		
	B-214-85	9/7/17	PES	ESC	85	-27.6	-	-	-	0.000325 U	0.000522 U	0.000357 U	0.000839 U	0.000332 U	0.000335 U	0.000282 U	0.000317 U	0.000350 U		
	B-908-100	9/7/17	PES	ESC	85 (dup)	-27.6	-	-	-	0.000302 U	0.000485 U	0.000332 U	0.000780 U	0.000309 U	0.000312 U	0.000263 U	0.000295 U	0.000325 U		
	B-214-95	9/7/17	PES	ESC	95	-37.6	-	-	-	0.000296 U	0.000476 U	0.000326 U	0.000766 U	0.000303 U	0.000306 U	0.000258 U	0.000290 U	0.000319 U		
	B-214-105	9/7/17	PES	ESC	105	-47.6	-	-	-	0.000342 U	0.000549 U	0.000376 U	0.000883 U	0.000349 U	0.000353 U	0.000297 U	0.000334 U	0.000368 U		
	B-214-115	9/11/17	PES	ESC	115	-57.6	-	-	-	0.000329 U	0.000529 U	0.000362 U	0.000851 U	0.000337 U	0.000340 U	0.000287 U	0.000322 U	0.000355 U		
	B-214-120	9/11/17	PES	ESC	120	-62.6	-	-	-	0.000319 U	0.000513 U	0.000351 U	0.000824 U	0.000326 U	0.000329 U	0.000278 U	0.000312 U	0.000344 U		
	B-215	B-215-15	9/12/17	PES	ESC	15	39.0	-	-	-	0.000293 U	0.000471 U	0.000322 U	0.000757 U	0.000299 U	0.000303 U	0.000255 U	0.000286 U	0.000316 U	
B-215-25		9/12/17	PES	ESC	25	29.0	-	-	-	0.000289 U	0.000464 U	0.000318 U	0.000747 U	0.00480	0.000299 U	0.000252 U	0.000283 U	0.000311 U		
B-215-35		9/12/17	PES	ESC	35	19.0	-	-	-	0.000318 U	0.000512 U	0.000350 U	0.000823 U	0.0277	0.00195	0.0620	0.000311 U	0.000343 U		
B-215-45		9/12/17	PES	ESC	45	9.0	-	-	-	0.000287 U	0.000462 U	0.000316 U	0.000743 U	0.000294 U	0.000297 U	0.000250 U	0.000281 U	0.000310 U		
B-215-55		9/12/17	PES	ESC	55	-1.1	-	-	-	0.000299 U	0.000481 U	0.000329 U	0.000773 U	0.000306 U	0.000309 U	0.000260 U	0.000292 U	0.000322 U		
B-215-65		9/12/17	PES	ESC	65	-11.1	-	-	-	0.00772 U	0.0124 U	0.00849 U	0.0199 U	11.1	1.02	1.55	0.00755 U	0.00833 U		
B-215-75		9/12/17	PES	ESC	75	-21.1	-	-	-	0.000298 U	0.000479 U	0.000328 U	0.000770 U	0.000304 U	0.000308 U	0.000259 U	0.000291 U	0.000321 U		
B-215-85		9/13/17	PES	ESC	85	-31.1	-	-	-	0.000325 U	0.000523 U	0.000358 U	0.000841 U	0.000333 U	0.000336 U	0.000283 U	0.000318 U	0.000351 U		
B-909-115		9/13/17	PES	ESC	85 (dup)	-31.1	-	-	-	0.000303 U	0.000486 U	0.000333 U	0.000782 U	0.000309 U	0.000313 U	0.000263 U	0.000296 U	0.000326 U		
B-215-95		9/13/17	PES	ESC	95	-41.1	-	-	-	0.000323 U	0.000519 U	0.000355 U	0.000835 U	0.000330 U	0.000334 U	0.000281 U	0.000316 U	0.000348 U		
BB-5		S-6	3/9/97	B&V	Unknown	15-17	34	22	U	54	U	108	U	ND	ND	ND	-	-	-	
	S-10	3/9/97	B&V	Unknown	25-27	24	22	U	56	U	112	U	-	-	-	-	-	-		
BB-7	S-4	4/6/97	B&V	Unknown	10-12	17.0	26	U	66	U	132	U	-	-	-	-	-	-		
BB-8	S-8	6/6/97	B&V	Unknown	20-22	23.6	20	U	50	U	100	U	ND	ND	ND	ND	ND	ND		
BB-10	S-6	8/29/97	B&V	Unknown	15-17	42.0	27	U	54	U	109	U	-	-	-	-	-	-		
BB-12	S-3	3/18/98	B&V	Unknown	15-16.5	18.8	29	U	58	U	120	U	ND	ND	ND	ND	ND	ND		
	S-14	3/18/98	B&V	Unknown	45-46.5	-11.2	29	U	58	U	120	U	ND	ND	ND	ND	ND	ND		
BB-13	S-10	3/19/98	B&V	Unknown	25-27.5	1.9	34	U	68	U	140	U	ND	ND	ND	ND	ND	ND		
	S-16	3/19/98	B&V	Unknown	40-41.5	-13.1	30	U	61	U	120	U	ND	ND	ND	ND	ND	ND		
BB-14	S-2	3/3/98	B&V	Unknown	5-6.5	21.3	32	U	64	U	130	U	-	-	-	-	-	-		
	S-5	3/3/98	B&V	Unknown	12.5-14	21.3	31	U	62	U	120	U	-	-	-	-	-	-		
	S-9	3/3/98	B&V	Unknown	22.5-24	21.3	31	U	62	U	120	U	-	-	-	-	-	-		
	S-12	3/3/98	B&V	Unknown	30-31.5	21.3	27	U	54	120			-	-	-	-	-	-		
CHB-07	CHB-07-12.5-13.5	4/14/05	CH2M	ARI	12.5-13.5	16.5	7.2	U	6.5	U	13	U	0.0015	0.0011 U	0.0011 U	0.0022 U	0.0011 U	1.1	0.0083	0.027
	CHB-07-5.0-7.0	4/14/08	CH2M	ARI	5-7	23.5	5	U	5.9	U	12	U	-	-	-	-	-	-	-	
CHB-08	CHB-08-15.0-16.0	4/15/08	CH2M	ARI	15-16	16.3	5.6	U	5.9	U	12	U	0.0008 U	0.0008 U	0.0008 U	0.0016 U	0.0008 U	0.0008 U	0.0008 U	
CHB-09	CHB-09-20.0-21.5	4/16/08	CH2M	ARI	20-21.5	17.5	6.2	U	11	23			-	-	-	-	-	-		
	CHB-09-25.0-26.5	4/16/08	CH2M	ARI	25-26.5	12.5	6.1	U	36	130			0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	
GEI-MW-1	MW-1-1-2.5	8/22/14	GEI	Fremont	1	29.5	4.52	U	23.4	U	58.4	U	0.0181 U	0.0181 U	0.0271 U	18.1 U	0.0181 U	0.0181 U	-	0.0181 U
GEI-MW-2	MW-2-2-5.0	8/23/14	GEI	Fremont	5	26.6	9.29		24.5	U	61.2	U	0.0391 U	0.0391 U	0.0587 U	39.1 U	0.0391 U	0.0391 U	-	0.0391 U
	MW-2-4-10.0	8/23/14	GEI	Fremont	10	21.6	-		-				-	-	-	-	-	-	-	-

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)													
							Screening Levels													
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050									
GEI-MW-2	MW-2-8-20.0	8/23/14	GEI	Fremont	20	11.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEI-MW-3	MW-3-4-10.0	8/23/14	GEI	Fremont	10	20.8	14.7 U	21.5 U	93.4 U	0.0258 U	0.0258 U	0.0388 U	25.8 U	0.0258 U	0.0258 U	0.0258 U	0.0258 U	-	0.0258 U	
	MW-3-10-50.0	8/23/14	GEI	Fremont	50	-19.25	-	-	-	0.0166 U	0.0166 U	0.0249 U	16.6 U	0.0166 U	0.0166 U	0.0166 U	0.0166 U	-	0.0166 U	
GEI-4	GEI-4-2-5.0	8/23/14	GEI	Fremont	5	26	5.34 U	22.3 U	55.8 U	0.0214 U	0.0214 U	0.0321 U	21.4 U	0.0214 U	0.0214 U	0.0214 U	0.0214 U	-	0.0214 U	
	GEI-4-5-12.5	8/23/14	GEI	Fremont	12.5	18.5	6.08 U	23.7 U	59.3 U	0.0243 U	0.0243 U	0.0365 U	24.3 U	0.0243 U	0.0243 U	0.0243 U	0.0243 U	-	0.0243 U	
MW-1 (SCLB-3)	RS3-2.5	3/15/93	EPJ	OnSite	2.5	37.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS3-7.5	3/15/93	EPJ	OnSite	7.5	32.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS3-17.5	3/15/93	EPJ	OnSite	17.5	22.5	210	-	-	10	7.3	3.7	15.8	-	-	-	-	-	-	
	RS3-22.5/RS3-27.5 (Comp)	3/15/93	EPJ	OnSite	22.5-27.5	-	42	-	-	3.9	0.8	0.76	2.49	-	-	-	-	-	-	
	RS3-32.5	3/15/93	EPJ	OnSite	32.5	7.5	5 U	-	-	0.15	0.050 U	0.050 U	1.00 U	-	-	-	-	-	-	
RS3-37.5	3/15/93	EPJ	OnSite	37.5	2.5	5 U	-	-	0.050 U	0.050 U	0.050 U	1.00 U	-	-	-	-	-	-		
MW-2 (SCLB-4)	RS4-2.5	3/15/93	EPJ	OnSite	2.5	37.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS4-7.5	3/15/93	EPJ	OnSite	7.5	32.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS4-12.5/RS4-17.5 (Comp)	3/15/93	EPJ	OnSite	12.5 - 17.5	-	5 U	-	-	0.05 U	0.05 U	0.05 U	0.05 U	-	-	-	-	-	-	
	RS4-22.5/RS4-27.5 (Comp)	3/15/93	EPJ	OnSite	22.5-27.5	-	5 U	-	-	0.05 U	0.05 U	0.05 U	0.096 J	-	-	-	-	-	-	
RS4-37.5	3/15/93	EPJ	OnSite	37.5	2.5	6.6 J	-	-	0.05 U	0.05 U	0.05 U	0.05 U	-	-	-	-	-	-		
MW-3 (SCLB-5)	RS5-2.5/RS5-7.5 (Comp)	3/16/93	EPJ	OnSite	2.5-7.5	-	20 U	50 U	400	-	-	-	-	-	-	-	-	-	-	
	RS5-12.5/RS5-17.5 (Comp)	3/16/93	EPJ	OnSite	12.5-17.5	-	46	-	-	0.88	0.28	0.97	1.37	-	-	-	-	-	-	
	RS5-17.5	3/16/93	EPJ	OnSite	17.5	21.5	-	430	-	-	-	-	-	-	-	-	-	-	-	
	RS5-22.5	3/16/93	EPJ	OnSite	22.5	16.5	17 J	-	-	0.2	0.099 J	0.33	0.446	-	-	-	-	-	-	
	RS5-32.5	3/16/93	EPJ	OnSite	32.5	6.5	7.2 J	-	25 U	0.056 J	0.05 U	0.061	0.15	-	-	-	-	-	-	
RS5-37.5	3/16/93	EPJ	OnSite	37.5	1.5	5 U	-	-	0.050 U	0.050 U	0.050 U	1.00 U	-	-	-	-	-	-		
MW-4 (SCLB-6)	RS6-2.5	3/17/93	EPJ	OnSite	2.5	37.5	20 U	50 U	770	-	-	-	-	-	-	-	-	-	-	
	RS6-7.5	3/17/93	EPJ	OnSite	7.5	32.5	20 U	50 U	770	-	-	-	-	-	-	-	-	-	-	
	RS6-12.5	3/17/93	EPJ	OnSite	12.5	27.5	20 U	50 U	190	-	-	-	-	-	-	-	-	-	-	
	RS6-17.5/RS6-22.5 (Comp)	3/17/93	EPJ	OnSite	17.5-22.5	-	5.0 U	-	-	0.050 U	0.050 U	0.050 U	0.092 J	-	-	-	-	-	-	
RS6-27.5	3/17/93	EPJ	OnSite	27.5	12.5	5.0 U	-	-	0.050 U	0.050 U	0.050 U	1.00 U	-	-	-	-	-	-		
MW-5 (SCLB-7)	RS7-2.5	3/17/93	EPJ	OnSite	2.5	37.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS7-7.5	3/17/93	EPJ	OnSite	7.5	32.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS7-12.5	3/17/93	EPJ	OnSite	12.5	27.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS7-17.5	3/17/93	EPJ	OnSite	17.5	22.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
	RS7-22.5	3/17/93	EPJ	OnSite	22.5	17.5	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	
MW-6	MW6-25	10/11/93	Retec	ARI	25	13.2	19	-	-	3.5	0.23	0.44	0.93	-	-	-	-	-	-	
MW-7	MW7-16.5	10/11/93	Retec	ARI	16.5	18.6	4,100	-	-	7.1	160	54	300	-	-	-	-	-	-	
	MW7-18.5	10/11/93	Retec	ARI	18.5	16.6	840	-	-	2.2	30	12	62	-	-	-	-	-	-	
MW-8	MW8-20	10/18/93	Retec	AAL	20	13.2	5 U	-	-	0.059 U	0.059 U	0.059 U	0.12 U	-	-	-	-	-	-	
MW-9	MW9-17.5	10/18/93	Retec	AAL	17.5	23.6	5 U	-	-	0.068 U	0.068 U	0.068 U	0.14 U	-	-	-	-	-	-	
MW-10	MW10-17.5	10/19/93	Retec	AAL	17.5	20.5	5 U	-	-	0.068 U	0.068 U	0.068 U	0.14 U	-	-	-	-	-	-	
MW102 (B102)	B102-20	7/17/12	SES	F&BI	20	29.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-30	7/17/12	SES	F&BI	30	19.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-38	7/17/12	SES	F&BI	38	11.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-40	7/17/12	SES	F&BI	40	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B102-49	7/17/12	SES	F&BI	49	0.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-60	7/17/12	SES	F&BI	60	-10.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-70	7/18/12	SES	F&BI	70	-20.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-80	7/19/12	SES	F&BI	80	-30.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-90	7/19/12	SES	F&BI	90	-40.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-100	7/20/12	SES	F&BI	100	-50.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-110	7/20/12	SES	F&BI	110	-60.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
B102-120	7/23/12	SES	F&BI	120	-70.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		

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Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)													
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050		
MW103 (B103)	B103-10	7/25/12	SES	F&BI	10	29.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-18	7/25/12	SES	F&BI	18	21.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-30	7/25/12	SES	F&BI	30	9.8	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-40	7/25/12	SES	F&BI	40	-0.2	–	–	–	–	–	–	–	4.6	0.77	0.12	0.05 U	0.05 U	0.05 U	
	B103-45	7/25/12	SES	F&BI	45	-5.2	–	–	–	–	–	–	–	5.3	0.48	0.24	0.05 U	0.05 U	0.05 U	
	B103-55	7/25/12	SES	F&BI	55	-15.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.18	0.05 U	0.05 U	0.05 U	
	B103-62.5	7/26/12	SES	F&BI	62.5	-22.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-75	7/26/12	SES	F&BI	75	-35.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-83	7/26/12	SES	F&BI	83	-43.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.12	0.05 U	0.05 U	0.05 U	
	B103-95	7/26/12	SES	F&BI	95	-55.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-105	7/27/12	SES	F&BI	105	-65.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B103-113	7/27/12	SES	F&BI	113	-73.2	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW104 (B104)	B104-10	7/30/12	SES	F&BI	10	33.1	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-20	7/30/12	SES	F&BI	20	23.1	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-30	7/30/12	SES	F&BI	30	13.1	–	–	–	–	–	–	–	1.8	0.086	0.14	0.05 U	0.05 U	0.05 U	
	B104-35	7/30/12	SES	F&BI	35	8.1	–	–	–	–	–	–	–	7.1	0.23	0.099	0.05 U	0.05 U	0.05 U	
	B104-50	7/30/12	SES	F&BI	50	-7.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-60	7/31/12	SES	F&BI	60	-17.0	–	–	–	–	–	–	–	2.1	0.21	0.12	0.05 U	0.05 U	0.05 U	
	B104-69	7/31/12	SES	F&BI	69	-26.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-80	7/31/12	SES	F&BI	80	-37.0	–	–	–	–	–	–	–	0.12	0.03	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-90	8/1/12	SES	F&BI	90	-47.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-100	8/1/12	SES	F&BI	100	-57.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-110	8/1/12	SES	F&BI	110	-67.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B104-120	8/1/12	SES	F&BI	120	-77.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
B104-130	8/1/12	SES	F&BI	130	-87.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
MW105 (B105)	B105-10	8/6/12	SES	F&BI	10	35.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-20	8/6/12	SES	F&BI	20	25.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-30	8/6/12	SES	F&BI	30	15.0	–	–	–	–	–	–	–	1.3	0.16	0.086	0.05 U	0.05 U	0.05 U	
	B105-40	8/8/12	SES	F&BI	40	5.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.22	0.05 U	0.05 U	0.05 U	
	B105-50	8/8/12	SES	F&BI	50	-5.0	–	–	–	–	–	–	–	0.18	0.040	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-60	8/9/12	SES	F&BI	60	-15.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-70	8/9/12	SES	F&BI	70	-25.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-80	8/9/12	SES	F&BI	80	-35.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-90	8/10/12	SES	F&BI	90	-45.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-100	8/10/12	SES	F&BI	100	-55.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-110	8/10/12	SES	F&BI	110	-65.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B105-120	8/10/12	SES	F&BI	120	-75.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
B105-130	8/10/12	SES	F&BI	130	-85.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
B105-138	8/10/12	SES	F&BI	138	-93.0	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
MW106 (B106)	B106-10	8/14/12	SES	F&BI	10	42.4	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-20	8/14/12	SES	F&BI	20	32.4	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-30	8/14/12	SES	F&BI	30	22.4	–	–	–	–	–	–	–	0.038	0.03	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-40	8/14/12	SES	F&BI	40	12.4	–	–	–	–	–	–	–	3.1	0.15	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-50	8/14/12	SES	F&BI	50	2.4	–	–	–	–	–	–	–	0.73	0.17	0.11	0.05 U	0.05 U	0.05 U	
	B106-60	8/14/12	SES	F&BI	60	-7.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-70	8/15/12	SES	F&BI	70	-17.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-80	8/15/12	SES	F&BI	80	-27.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-90	8/15/12	SES	F&BI	90	-37.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-100	8/15/12	SES	F&BI	100	-47.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B106-110	8/15/12	SES	F&BI	110	-57.7	–	–	–	–	–	–	–	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																
							Screening Levels					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050					
MW106 (B106) (continued)	B106-120	8/15/12	SES	F&BI	120	-67.7	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	B106-130	8/15/12	SES	F&BI	130	-77.7	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
	B106-140	8/15/12	SES	F&BI	140	-87.7	-	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U				
MW107 (B107)	B107-05	3/12/12	SES	F&BI	5	39.2	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B107-15	3/12/12	SES	F&BI	15	29.2	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B107-25	3/12/12	SES	F&BI	25	19.2	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.60	0.063	0.060	0.05 U	0.05 U	0.05 U				
	B107-35	3/12/12	SES	F&BI	35	9.2	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	19	0.59	0.37	0.05 U	0.05 U	0.05 U				
	B107-45	3/12/12	SES	F&BI	45	-0.8	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.028	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW108 (B108)	B108-15	12/14/12	SES	F&BI	15	18.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B108-25	12/14/12	SES	F&BI	25	8.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B108-35	12/14/12	SES	F&BI	35	-1.9	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B108-45	12/14/12	SES	F&BI	45	-11.9	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B108-50	12/14/12	SES	F&BI	50	-16.9	-	-	-	-	-	-	-	0.037	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW109 (B109)	B109-05	4/12/12	SES	F&BI	5	30.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B109-15	4/12/12	SES	F&BI	15	20.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B109-25	4/12/12	SES	F&BI	25	10.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B109-35	4/12/12	SES	F&BI	35	0.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B109-45	4/12/12	SES	F&BI	45	-9.3	-	-	-	-	-	-	-	1.6	0.94	0.15	0.05 U	0.05 U	0.05 U				
MW110 (B110)	B110-15	4/12/12	SES	F&BI	15	25.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B110-25	4/12/12	SES	F&BI	25	15.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B110-35	4/12/12	SES	F&BI	35	5.0	-	-	-	-	-	-	-	3.4	0.21	0.31	0.05 U	0.05 U	0.05 U				
	B110-45	4/12/12	SES	F&BI	45	-5.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW111 (B111)	B111-10	5/12/12	SES	F&BI	10	26.8	-	-	-	-	-	-	-	0.05 U	0.06 U	0.1 U	0.1 U	0.1 U	0.1 U				
	B111-20	5/12/12	SES	F&BI	20	16.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B111-30	5/12/12	SES	F&BI	30	6.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B111-38	5/12/12	SES	F&BI	38	-1.2	-	-	-	-	-	-	-	0.078	0.40	0.28	0.05 U	0.05 U	0.05 U				
	B111-50	5/12/12	SES	F&BI	50	-13.2	-	-	-	-	-	-	-	1.4	0.56	0.11	0.05 U	0.05 U	0.05 U				
	B111-60	6/12/12	SES	F&BI	60	-23.2	-	-	-	-	-	-	-	0.085	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B111-70	6/12/12	SES	F&BI	70	-33.2	-	-	-	-	-	-	-	0.033	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B111-80	6/12/12	SES	F&BI	80	-43.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW112 (B112)	B112-10	11/12/12	SES	F&BI	10	47.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-20	11/12/12	SES	F&BI	20	37.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-30	11/12/12	SES	F&BI	30	27.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-40	11/12/12	SES	F&BI	40	17.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-50	11/12/12	SES	F&BI	50	7.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-60	11/12/12	SES	F&BI	60	-2.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-75	11/12/12	SES	F&BI	75	-17.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B112-85	12/12/12	SES	F&BI	85	-27.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW113 (B113)	B113-10	12/18/12	SES	F&BI	10	23.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B113-20	12/18/12	SES	F&BI	20	13.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B113-30	12/18/12	SES	F&BI	30	3.2	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B113-40	12/18/12	SES	F&BI	40	-6.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B113-50	12/18/12	SES	F&BI	50	-16.8	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
MW114 (B114)	B114-15	10/12/12	SES	F&BI	15	31.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B114-25	10/12/12	SES	F&BI	25	21.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B114-35	10/12/12	SES	F&BI	35	11.4	-	-	-	-	-	-	-	8.8	0.45	0.11	0.05 U	0.05 U	0.05 U				
	B114-40	10/12/12	SES	F&BI	40	6.4	-	-	-	-	-	-	-	0.59	0.071	0.05 U	0.05 U	0.05 U					
	B114-45	10/12/12	SES	F&BI	45	1.4	-	-	-	-	-	-	-	0.25	0.03 U	0.05 U	0.05 U	0.05 U					
MW115 (B115)	B115-10	12/13/12	SES	F&BI	10	24.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				
	B115-15	12/13/12	SES	F&BI	15	19.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U				

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)														
							GRO		DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050			
MW115 (B115) (continued)	B115-25	12/13/12	SES	F&BI	25	9.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B115-35	12/13/12	SES	F&BI	35	-0.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B115-45	12/13/12	SES	F&BI	45	-10.5	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW116 (B116)	B116-15	7/12/12	SES	F&BI	15	17.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B116-25	7/12/12	SES	F&BI	25	7.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B116-35	7/12/12	SES	F&BI	35	-3.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B116-45	7/12/12	SES	F&BI	45	-13.0	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW117 (B117)	B117-10	2/4/13	SES	F&BI	10	47.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B117-20	2/4/13	SES	F&BI	20	37.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B117-30	2/4/13	SES	F&BI	30	27.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B117-40	2/4/13	SES	F&BI	40	17.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B117-50	2/4/13	SES	F&BI	50	7.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW118 (B118)	B118-10	3/21/13	SES	F&BI	10	43.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B118-20	3/21/13	SES	F&BI	20	33.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B118-30	3/21/13	SES	F&BI	30	23.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B118-40	3/21/13	SES	F&BI	40	13.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B118-50	3/21/13	SES	F&BI	50	3.4	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW119 (B119)	B119-10	3/21/13	SES	F&BI	10	27.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B119-20	3/21/13	SES	F&BI	20	17.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B119-30	3/21/13	SES	F&BI	30	7.7	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B119-40	3/21/13	SES	F&BI	40	-2.3	-	-	-	-	-	-	-	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW120 (B120)	B120-20	12/16/13	SES	F&BI	20	-	2 U	-	-	0.3 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B120-30	12/16/13	SES	F&BI	30	-	2 U	-	-	0.3 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B120-45	12/16/13	SES	F&BI	45	-	2 U	-	-	0.3 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW121 (B121)	B121-15	12/16/13	SES	F&BI	15	-	2 U	-	-	0.3 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B121-25	12/16/13	SES	F&BI	25	-	2 U	-	-	0.3 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
MW122 (B122)	B122-15	12/17/13	SES	F&BI	15	-	-	-	-	0.053	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-25	12/17/13	SES	F&BI	25	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-40	12/17/13	SES	F&BI	40	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.22	0.05 U	0.05 U	0.05 U		
	B122-45	12/17/13	SES	F&BI	45	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-50	12/17/13	SES	F&BI	50	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-60	12/17/13	SES	F&BI	60	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-70	12/17/13	SES	F&BI	70	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-80	12/17/13	SES	F&BI	80	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B122-100	12/17/13	SES	F&BI	100	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
MW123 (B123)	B123-20	12/18/13	SES	F&BI	20	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
MW124 (B124)	B124-10	12/19/13	SES	F&BI	10	-	2 U	-	-	-	-	-	-	-	-	-	-	-	-		
	B124-20	12/19/13	SES	F&BI	20	-	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-30	12/19/13	SES	F&BI	30	-	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-40	12/19/13	SES	F&BI	40	-	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-50	12/19/13	SES	F&BI	50	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-60	12/19/13	SES	F&BI	60	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-70	12/19/13	SES	F&BI	70	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-80	12/19/13	SES	F&BI	80	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-90	12/19/13	SES	F&BI	90	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-100	12/19/13	SES	F&BI	100	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-110	12/19/13	SES	F&BI	110	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B124-120	12/19/13	SES	F&BI	120	-	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
MW125 (B125)	B125-15	12/20/13	SES	F&BI	15	-	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		
	B125-20	12/20/13	SES	F&BI	20	-	2 U	-	-	0.03 U	0.05 U	0.05 U	0.15 U	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U		

Table F-1

**Soil Analytical Results for Petroleum Hydrocarbons and Chlorinated Volatile Organic Compounds
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																							
							GRO		DRO		ORO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
							30	U	2,000	U	2,000	U	0.030	U	0.273	U	0.343	U	0.831	U	0.025	U	0.030	U	0.050	U	0.050	U	0.050	U
	Screening Levels																													
MW125 (B125) (continued)	B125-25 B125-30	12/20/13 12/20/13	SES SES	F&BI F&BI	25 30	- -	2 -	U -	- -	- -	0.03 -	U -	0.05 -	U -	0.05 -	U -	0.15 -	U -	0.025 -	U -	0.03 -	U -	0.05 -	U -	0.05 -	U -				
MW126 (B126)	B126-20 B126-35 B126-45 B126-55 B126-60 B126-65 B126-75 B126-80 B126-85 B126-95	12/30/13 12/30/13 12/30/13 12/30/13 12/31/13 1/1/14 1/2/14 1/3/14 1/4/14 1/5/14	SES SES SES SES SES SES SES SES SES SES	F&BI F&BI F&BI F&BI F&BI F&BI F&BI F&BI F&BI F&BI	20 35 45 55 60 65 75 80 85 95	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	0.03 0.03 0.03 0.03 - 0.03 0.03 - 0.03 -	U U U U - U U - U -	0.05 0.05 0.05 0.05 - 0.05 0.05 - 0.05 -	U U U U - U U - U -	0.05 0.05 0.05 0.05 - 0.05 0.05 - 0.05 -	U U U U - U U - U -	0.15 0.15 0.15 0.15 - 0.15 0.15 - 0.15 -	U U U U - U U - U -	0.025 0.025 0.025 0.025 - 0.025 0.025 - 0.025 -	U U U U - U U - U -	0.03 0.03 0.03 0.03 - 0.03 0.03 - 0.03 -	U U U U - U U - U -	0.05 0.05 0.05 0.05 - 0.05 0.05 - 0.05 -	U U U U - U U - U -	0.05 0.05 0.05 0.05 - 0.05 0.05 - 0.05 -	U U U U - U U - U -	0.05 0.05 0.05 0.05 - 0.05 0.05 - 0.05 -	U U U U - U U - U -				
MW127 (B127)	B127-15 B127-25 B127-40 B127-45 B127-50	12/31/13 12/31/13 12/31/13 12/31/13 12/31/13	SES SES SES SES SES	F&BI F&BI F&BI F&BI F&BI	15 25 40 45 50	- - - - -	- - - - -	- - - - -	0.03 0.03 0.03 - 0.03	U U U - U	0.05 0.05 0.05 - 0.05	U U U - U	0.05 0.05 0.05 - 0.05	U U U - U	0.15 0.15 0.15 - 0.15	U U U - U	0.025 0.025 0.025 - 0.025	U U U - U	0.03 0.03 0.03 - 0.03	U U U - U	0.05 0.05 0.05 - 0.05	U U U - U	0.05 0.05 0.05 - 0.05	U U U - U	0.05 0.05 0.05 - 0.05	U U U - U				
MW128 (B128)	B128-25 B128-45 B128-65	1/9/14 1/9/14 1/9/14	SES SES SES	F&BI F&BI F&BI	25 45 65	- - -	- - -	- - -	0.03 0.03 0.03	U U U	0.05 0.05 0.05	U U U	0.05 0.05 0.05	U U U	0.15 0.15 0.15	U U U	0.025 0.025 0.025	U U U	0.03 0.03 0.03	U U U	0.05 0.05 0.05	U U U	0.05 0.05 0.05	U U U	0.05 0.05 0.05	U U U				
MW-138	MW-138-15 MW-138-25 MW-138-35 MW-138-45 MW-138-56 MW-138-65 B-910-90 MW-138-75 MW-138-85 MW-138-95 MW-138-105 MW-138-115	9/12/17 9/12/17 9/12/17 9/12/17 9/12/17 9/13/17 9/13/17 9/13/17 9/13/17 9/13/17 9/13/17 9/14/17	PES PES PES PES PES PES PES PES PES PES PES PES	ESC ESC ESC ESC ESC ESC ESC ESC ESC ESC ESC ESC	15 25 35 45 56 65 65 (dup) 75 85 95 105 115	42.4 32.4 22.4 12.4 1.4 -7.6 -7.6 -17.6 -27.6 -37.6 -47.6 -57.6	- - - - - - - - - - - -	- - - - - - - - - - - -	0.000321 0.000311 0.000288 0.000285 0.000304 0.000292 0.000313 0.000297 0.000325 0.000295 0.000336 0.000313	U U U U U U U U U U U U	0.000516 0.000500 0.000464 0.000459 0.000488 0.000469 0.000503 0.000478 0.000522 0.000473 0.000540 0.000503	U U U U U U U U U U U U	0.000353 0.000342 0.000317 0.000314 0.000334 0.000321 0.000344 0.000327 0.000357 0.000324 0.000369 0.000344	U U U U U U U U U U U U	0.000830 0.000804 0.000746 0.000738 0.000785 0.000755 0.000809 0.000769 0.000839 0.000761 0.000868 0.000809	U U U U U U U U U U U U	0.000328 0.000318 0.000295 0.000292 0.000310 0.000299 0.000320 0.000304 0.000332 0.000301 0.000343 0.000320	U U U U U U U U U U U U	0.000332 0.000321 0.000298 0.000295 0.000314 0.000302 0.000323 0.000307 0.000335 0.000304 0.000347 0.000323	U U U U U U U U U U U U	0.000279 0.000271 0.000251 0.000248 0.000264 0.000254 0.000272 0.000259 0.000283 0.000256 0.000292 0.000272	U U U U U U U U U U U U	0.000314 0.000304 0.000282 0.000279 0.000297 0.000286 0.000306 0.000291 0.000317 0.000288 0.000328 0.000306	U U U U U R R U U U U U	0.000346 0.000335 0.000311 0.000308 0.000327 0.000315 0.000337 0.000320 0.000350 0.000317 0.000362 0.000337	U U U U U R R U U U U U				
MW-140	MW-140-15 MW-140-25 MW-140-35 MW-140-45 MW-140-55 MW-140-65 MW-140-75 MW-140-90 MW-140-110 MW-140-130 MW-140-140	8/30/17 8/30/17 8/30/17 8/30/17 8/30/17 8/30/17 8/30/17 8/30/17 8/31/17 8/31/17 8/31/17	PES PES PES PES PES PES PES PES PES PES PES	ESC ESC ESC ESC ESC ESC ESC ESC ESC ESC ESC	15 25 35 45 55 65 75 90 110 130 140	35.5 25.5 15.5 5.5 -4.5 -14.5 -24.5 -39.5 -59.5 -79.5 -89.5	- - - - - - - - - - -	- - - - - - - - - - -	0.000308 0.000293 0.00786 0.000288 0.000379 J 0.000289 0.00728 0.000318 0.000313 0.000305 0.00762	U U U U J U U U U U U	0.000495 0.000471 0.0126 0.000463 0.000498 J 0.000465 0.0116 0.000511 0.000503 0.000491 0.0122	U U U U J U U U U U U	0.000339 0.000322 0.00865 0.000317 0.000326 0.000318 0.00800 0.000349 0.000344 0.000336 0.00838	U U U U U U U U U U U	0.000796 0.000757 0.0203 0.000745 0.000766 0.000747 0.0188 0.000821 0.000808 0.000789 0.0197	U U U U U U U U U U U	0.000315 0.147 15.1 4.27 1.56 0.00746 0.00744 0.000325 0.000320 0.000312 0.00779	U U U U U U U U U U U	0.000318 0.0107 0.629 0.0793 0.0496 0.000299 0.00753 0.000328 0.000323 0.000315 0.00788	U U U U U U U U U U U	0.000268 0.00199 0.387 0.0431 0.130 0.000252 0.00634 0.000276 0.000272 0.000266 0.00664	U U U U U U U U U U U	0.000301 0.000286 0.00769 0.000282 0.000500 J 0.000283 0.00712 0.000311 0.000306 0.000298 0.00745	U U U U J U U U U U U	0.000332 0.000316 0.0107 J 0.00160 0.0990 0.000312 0.00785 0.000342 0.000337 0.000329 0.00822	U U J J J U U U U U U				
PW-1	Composite	1/1/98	B&V	Unknown	-	-	31	U	63	U	130	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PW-4	Composite	5/13/98	B&V	Unknown	-	-	27	U	53	U	110	U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
R-MW4	Unknown Unknown Unknown	10/22/92 10/22/92 10/22/92	Roux Roux Roux	Unknown Unknown Unknown	5 15 30	47.0 37.0 22.0	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	0.005 0.005 0.005	U U U	0.005 0.005 0.005	U U U	- - -	- - -	0.005 0.005 0.005	U U U	0.010 0.010 0.010	U U U						
R-MW6	Unknown Unknown	10/27/92 10/27/92	Roux Roux	Unknown Unknown	6 11	39.5 34.5	- -	- -	- -	- -	- -	- -	- -	- -	0.005 0.005	U U	0.005 0.005	U U	- -	- -	0.005 0.005	U U	0.010 0.010	U U						

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Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)												
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
R-MW6	Unknown	10/27/92	Roux	Unknown	16	29.5	-	-	-	-	-	-	-	0.005 U	0.005 U	-	0.005 U	0.010 U	
RB1	RB1-17.5	10/18/93	Retec	AAL	17.5	18.4	5 U	-	-	0.063 U	0.063 U	0.063 U	0.13 U	-	-	-	-	-	
RB2	RB2-12.5	10/18/93	Retec	AAL	12.5	23.6	5 U	-	-	0.062 U	0.062 U	0.062 U	0.012 U	-	-	-	-	-	
	RB2-17.5	10/18/93	Retec	AAL	17.5	18.6	5 U	-	-	0.045 J	0.062 U	0.058 J	0.18	-	-	-	-	-	
RB3	RB3-17.5	10/18/93	Retec	AAL	17.5	20.5	5 U	-	-	0.061 U	0.061 U	0.061 U	0.12 U	-	-	-	-	-	
SCL-B100	B-100, S1	6/10/02	Urban	F&BI	-	-	1 U	50 U	-	0.02 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B-100, S2	6/10/02	Urban	F&BI	-	-	1 U	50 U	-	0.02 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
SCL-B101	B-101- S1&2	6/17/02	Urban	F&BI	-	-	2	140	-	0.02 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B101-S3	6/17/02	Urban	F&BI	-	-	1 U	50 U	-	0.02 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
SCL-B102	B102-S1	6/17/02	Urban	F&BI	-	-	6	430	-	0.03	0.09	0.04	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
	B102-S2	6/17/02	Urban	F&BI	-	-	1 U	50 U	-	0.02 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
SCL-MW101	MW101-S3	6/14/02	Urban	F&BI	-	-	1 U	-	-	0.07	0.02 U	0.04	0.05	-	-	-	-	-	
SCL-MW102	MW-102, S1	6/10/02	Urban	F&BI	-	-	99	-	-	0.67	0.47	1.0	2.5	-	-	-	-	-	
	MW-102, S2	6/10/02	Urban	F&BI	-	-	2	-	-	0.05	0.02 U	0.12	0.07	-	-	-	-	-	
SCL-MW103	MW103-S1&S2	6/14/02	Urban	F&BI	-	-	1 U	-	-	0.02 U	0.02 U	0.02 U	0.02 U	-	-	-	-	-	
SCL-MW105	MW-105, S2	6/10/02	Urban	F&BI	-	-	650	-	-	2.1	1.5	11	24	-	-	-	-	-	
	MW-105, S4	6/10/02	Urban	F&BI	-	-	1 U	-	-	0.05	0.02 U	0.02 U	0.03	-	-	-	-	-	
SCLB-1	RS1-2.5/RS-1 7.5 (Comp)	3/12/93	EPJ	OnSite	2.5-7.5	-	20 U	290	100 U	-	-	-	-	-	-	-	-	-	
	RS1-12.5/RS1-17.5 (Comp)	3/12/93	EPJ	OnSite	12.5-17.5	-	310	-	-	2.0	0.66	5.0	25.2 ve	-	-	-	-	-	
	RS-1 17.5	3/12/93	EPJ	OnSite	17.5	21.0	-	25 U	-	-	-	-	-	-	-	-	-	-	
	RS1-22.5/RS-27.5 (Comp)	3/12/93	EPJ	OnSite	22.5-27.5	-	30 J	-	-	0.089 J	0.14	0.31	1.53	-	-	-	-	-	
	RS1-32.5	3/12/93	EPJ	OnSite	32.5	6.0	77	-	-	0.18	0.35	0.96	4.8	-	-	-	-	-	
	RS1-37.5	3/12/93	EPJ	OnSite	37.5	1.0	5 U	-	-	0.050 U	0.05 U	0.05 U	1 U	-	-	-	-	-	
SCLB-2	RS2-2.5/RS-2 7.5 (Comp)	3/12/93	EPJ	OnSite	2.5-7.5	-	110	610	100 U	-	-	-	-	-	-	-	-	-	
	RS2-12.5/RS2-17.5 (Comp)	3/12/93	EPJ	OnSite	12.5-17.5	-	1,800	-	-	4.0	24	23	115 ve	-	-	-	-	-	
	RS2-17.5	3/12/93	EPJ	OnSite	17.5	21.0	-	240	-	-	-	-	-	-	-	-	-	-	
	RS2-22.5/RS2-27.5 (Comp)	3/12/93	EPJ	OnSite	22.5-27.5	-	59	-	-	0.8	1.1	0.85	3.9	-	-	-	-	-	
	RS2-32.5	3/12/93	EPJ	OnSite	32.5	6.0	94	25 U	-	1.5	2.7	1.4	6.8	-	-	-	-	-	
	RS2-37.5	3/12/93	EPJ	OnSite	37.5	1.0	9.8	-	-	0.74	0.05 U	0.11	1.34	-	-	-	-	-	
SSD-MW-1	MW-1 S-2	5/24/89	HC	Unknown	5-6.5	34.0	4 A	-	-	0.01 U	0.01 U	0.01 U	0.01 U	-	-	-	-	-	
	MW-1 S-6	5/24/89	HC	Unknown	15-16.5	24.0	332 A	-	-	0.01 U	1.03	2.84	6.25	-	-	-	-	-	
SSD-MW-2	MW-2 S-3	5/24/89	HC	Unknown	7.5-9	31.0	338 A	-	-	0.01 U	0.01 U	0.01 U	0.01 U	-	-	-	-	-	
	MW-2 S-6	5/24/89	HC	Unknown	15-16.5	31.0	71 A	-	-	0.01 U	0.53	0.01 U	0.01 U	-	-	-	-	-	
SSD-MW-3	MW-3 S-2	5/24/89	HC	Unknown	5-6.5	34.0	1 A	-	-	0.01 U	0.01 U	0.01 U	0.01 U	-	-	-	-	-	
	MW-3 S-5	5/24/89	HC	Unknown	12.5-14	34.0	5 A	-	-	0.01 U	0.01 U	0.01 U	0.01 U	-	-	-	-	-	
SSD-MW-4	MW-4 S-6	5/25/89	HC	Unknown	14.5-16	36.8	6 A	-	-	0.01 U	0.01 U	0.069	0.096	-	-	-	-	-	
	MW-4 S-9	5/25/89	HC	Unknown	22-23	29.5	9 A	-	-	0.01 U	0.01 U	0.01 U	0.01 U	-	-	-	-	-	
TB-12	16	8/1/97	B&V	Unknown	62-63	-24.5	24 U	60 U	119 U	-	-	-	-	-	-	-	-	-	
TB-18	S-2	3/17/98	B&V	Unknown	5-6.5	38.3	27 U	55 U	110 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	S-8	3/17/98	B&V	Unknown	20-21.5	38.3	28 U	56 U	110 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	S-21	3/17/98	B&V	Unknown	57.5-59	38.3	28 U	56 U	110 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	
W-MW-01 (P-03)	SB-W-03-0160	1/27/12	WW	ARI	16-16.5	29.1	-	-	-	0.0010 U	0.0006 J	0.0010 U	0.0020 U	0.0010 U	0.0010 U	0.0006 J	0.0010 U	0.0010 U	
	SB-W-03-0225	1/27/12	WW	ARI	22.5-23	22.6	-	-	-	0.0009 U	0.0007 J	0.0009 U	0.0018 U	0.03 B	0.0018	0.0021	0.0009 U	0.0009 U	
	SB-W-03-0315	1/27/12	WW	ARI	31.5-32	13.6	-	-	-	0.21 U	0.21 U	0.21 U	0.42 U	16 B	0.59	0.48	0.21 U	0.21 U	
	SB-W-03-0450	1/27/12	WW	ARI	45-45.5	-0.4	-	-	-	0.0007 U	0.0006 J	0.0007 U	0.0014 U	0.38 B	0.022	0.041	0.0005 J	0.0007 U	
	SB-W-03-0550	1/27/12	WW	ARI	55.5-56	-10.4	-	-	-	0.045 U	0.045 U	0.045 U	0.09 U	1.9 J	0.17	0.13	0.045 U	0.045 U	
	SB-W-03-0645	1/27/12	WW	ARI	64.5-65	-19.4	-	-	-	0.0008 U	0.0008 U	0.0008 U	0.0016 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	
	SB-W-03-0730	1/27/12	WW	ARI	73-73.5	-27.9	-	-	-	0.0007 U	0.0006 J	0.0007 U	0.0014 U	0.1 B	0.0081	0.025	0.0007 U	0.0007 U	
W-MW-02 (P-06)	SB-W-06-0900	1/29/12	WW	ARI	9-9.5	34.5	-	-	-	0.0009 J	0.0013 U	0.0013 U	0.0026 U	0.058 T	0.0081	0.0013 U	0.0013 U	0.0013 U	
	SB-W-06-0185	1/29/12	WW	ARI	18.5-19	25.0	-	-	-	0.0008 J	0.0006 J	0.0009 U	0.0018 U	0.0009 UT	0.0009 U	0.0009 U	0.0009 U	0.0009 U	

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Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Lab	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)													
							GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
Screening Levels							30	2,000	2,000	0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050		
W-MW-02 (P-06) (continued)	SB-W-06-0305	1/30/12	WW	ARI	30.5-31	13.0	–	–	–	0.27 U	0.27 U	0.27 U	0.34 U	18	0.41	0.4	0.27 U	0.27 U		
	SB-W-06-0380	1/30/12	WW	ARI	38-38.5	5.5	–	–	–	0.046 U	0.046 U	0.046 U	0.092 U	0.14	0.057	0.52	0.046 U	0.046 U		
	SB-W-06-0405	1/30/12	WW	ARI	40.5-41	3.0	–	–	–	0.036 U	0.036 U	0.036 U	0.072 U	5.2	0.2	0.15	0.036 U	0.036 U		
	SB-W-06-0485	1/30/12	WW	ARI	48.5-49	-5.0	–	–	–	0.0008 U	0.0008 U	0.0008 U	0.0016 U	0.033	0.0007 J	0.0009	0.0008 U	0.0008 U		
	SB-W-06-9485	1/30/12	WW	ARI	48.5-49 (dup)	-5.0	–	–	–	0.0009 U	0.0009 U	0.0009 U	0.0018 U	0.052	0.0011	0.0010	0.0009 U	0.0009 U		
	SB-W-06-0590	1/30/12	WW	ARI	59-59.5	-16.0	–	–	–	0.043 U	0.043 U	0.043 U	0.086 U	0.53	0.037 J	0.043 U	0.043 U	0.043 U		
	SB-W-06-0715	1/30/12	WW	ARI	71.5-72	-28.0	–	–	–	0.0008 U	0.0008 U	0.0008 U	0.0016 U	0.0009	0.0008 U	0.0008 U	0.0008 U	0.0008 U		
	SB-W-06-0790	1/31/12	WW	ARI	79-79.5	-35.5	–	–	–	0.0009 U	0.0009 U	0.0009 U	0.0018 U	0.0022	0.0009 U	0.0009 U	0.0009 U	0.0009 U		
Off Property Statistics							Number of Analytes Measured	124	54	45	199	199	199	199	286	286	280	278	284	
							Number of Analytes Detected	36	9	7	32	26	25	28	48	34	35	2	3	
							Frequency of Detection	29%	17%	16%	16%	13%	13%	14%	17%	12%	13%	1%	1%	
							Maximum Detection	4,100	610	–	10.0	160	54.0	300	19.0	1.02	1.55	0.00830	0.0990	
							Minimum Detection	0.0385 U	5.90 U	12 U	0.000285 U	0.000454 U	0.000311 U	0.000730 U	0.000289 U	0.000290 U	0.000244 UJ	0.000274 U	0.000302 U	
On and Off Property Statistics							Number of Analytes Measured	204	58	49	421	421	421	421	644	644	637	636	642	
							Number of Analytes Detected	74	10	7	51	52	33	39	306	216	208	67	81	
							Frequency of Detection	36%	17%	14%	12%	12%	8%	9%	48%	34%	33%	11%	13%	
							Maximum Detection	4,100	610	–	10.0	160	54.0	300	8,270	113	329	0.700	17.0	
							Minimum Detection	0.0353 U	5.90 U	12 U	0.000281 U	0.000400 J	0.000309 U	0.000400 J	0.000289 U	0.000290 U	0.000244 UJ	0.000274 U	0.000302 U	
<u>Notes:</u>							<u>Laboratory and Results Notes:</u>							<u>Abbreviations:</u>						
1. PHCs Analyzed by Method WTPH-HCID, Method 418.1, EPA Method 8020, EPA Method 8015M, or NWTPH-Gx.							14. T = Analyte also detected in trip blank.							35. GRO = gasoline-range petroleum hydrocarbons						
2. VOCs Analyzed by EPA Methods 8010, 8020, 8021B, 8260B, 624/8240, or 8260C.							15. U = Not detected at a concentration exceeding laboratory reporting limit							36. HC = HC, Inc.						
3. MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 740-1 Method A Cleanup Levels for Soil, revised November 2007.							16. ve = Estimated value. The reported range exceeds the calibration range of the analysis.							37. HCID = hydrocarbon identification						
4. CLARC, Soil, Method B, Non Cancer, CLARC website - <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Updated August 2015.							17. w = Petroleum product eluting in the C8-C9 range							38. MTCA = Washington State Model Toxics Control Act						
5. CLARC, Soil, Method B, Cancer, CLARC website - <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Updated August 2015.							18. x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.							39. NCA = North Creek Analytical, of Bothell, Washington						
<u>Laboratory and Results Notes:</u>							19. z = Gasoline/petroleum detection result is likely elevated due to high detections of CVOCs.							40. NWTPH = Northwest Total Petroleum Hydrocarbon						
6. Detected results shown in bold, detections above the MTCA Cleanup level highlighted in gray							<u>Abbreviations:</u>							41. OnSite = OnSite Environmental Inc., of Redmond, Washington						
7. – = results not available OR results not analyzed/measured							20. PCE = perchloroethylene (tetrachloroethene)							42. ORO = oil-range petroleum hydrocarbons						
8. A = Result reported as total petroleum hydrocarbons.							21. AAL = Alden Analytical Laboratories, Inc., of Seattle, Washington							43. PCE = perchloroethylene (tetrachloroethene)						
9. B = Analyte detected in an associated Method Blank.							22. ARI = Analytical Resource, Incorporated, Seattle, Washington							44. PES = PES Environmental, Inc.						
10. J = The internal standard associated with the analyte is out of control limits- the reported concentration is an estimate.							23. B&V = Black Veatch							45. PHCs = petroleum hydrocarbons						
J+ = The result is an estimated quantity, but the result may be biased high.							24. bgs = below ground surface							46. Retec = Remediation Technologies, Inc.						
11. ND = not detected above laboratory reporting limit; reporting limit not available							25. cDCE = cis-1,2-dichloroethene							47. Roux = Roux Associates						
12. q = Sample may contain gasoline or petroleum components. Chromatographic pattern indicates the presence of gasoline constituents.							26. CLARC = cleanup levels and risk calculations							48. SES = SoundEarth Strategies, Inc.						
13. R = The data is unusable. The sample result is rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample							27. CVOCs = chlorinated volatile organic compounds							49. TCE = trichloroethylene						
							28. Comp = Composite Sample							50. tDCE = trans-1,2-dichloroethene						
							29. DRO = diesel-range petroleum hydrocarbons							51. TR = TR Corporation						
							30. dup = duplicate							52. Urban = Urban Redevelopment LLC						
							31. EPJ = E.P.Johnson Construction Inc., and Environmental							53. VC = Vinyl Chloride						
							32. ESC = ESC Lab Services							54. WAC = Washington Administrative Code						
							33. F&BI = Friedman & Bruya, Inc.							55. WW = WW Environmental LLC						
							34. GeoEng = GeoEngineers, Inc.													

Table F-2
Excavation Soil Analytical Results
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Laboratory	Sample Depth (ft bgs)	Analytical Results (milligrams per kilogram)																
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	DCM	Napthalene	Total PAHs	
The Property																						
Sump No. 4	Sump4_Soil_01	7/22/2011	SES	F&BI	1	-	-	-	0.03 U	0.05 U	0.05 U	0.15 U	19	0.037	0.15	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	
Excavation 1	EX01-S01-04	9/12/2002	SES	F&BI	4	-	-	-	-	-	-	-	-	14	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	-	
	EX01-S02-02.5				2.5	-	-	-	-	-	-	-	-	-	3.7	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	-
	EX01-S03-05				5	-	-	-	-	-	-	-	-	-	19	0.052	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	EX01S04-4.2ht	2/10/2012			4.2	-	-	-	-	-	-	-	-	150	0.44	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.92 lc	-
	EX01S05-6ht				6	-	-	-	-	-	-	-	-	190	0.38	0.23	0.05 U	0.05 U	0.05 U	0.05 U	0.51 lc	-
	EX01S07-2.5ht				2.5	-	-	-	-	-	-	-	-	-	5.4	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.52 lc	-
EX01-S18-07.5	3/21/2012			7.5	-	-	-	-	-	-	-	0.98	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	-		
Tank 1 Excavation	Tank1-SSW06	3/22/2013	SES	F&BI	6	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank1-WSW06				6	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank1-F08				8	-	120 x	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank 2 Excavation	Tank2-NSW06	3/22/2013	SES	F&BI	6	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank2-F08				8	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank 3 Excavation	Tank3-ESW05	3/22/2013	SES	F&BI	5	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank3-SSW05				5	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank3-F08				8	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank 4 Excavation	Tank4-NSW08	3/22/2013	SES	F&BI	8	-	460 x	360	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank4-F10				10	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank 5 Excavation	Tank5-ESW02	3/22/2013	SES	F&BI	2	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank5-WSW02				2	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tank5-F03				3	-	50 U	250 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
753 9th Avenue North Parcel																						
Tank 1 and 2 Excavation	T12-SPLS-1	7/22/1992	GTC	OnSite	7	3,000 M	-	-	0.25 U	1	22	111	-	-	-	-	-	-	-	-		
	T12-B-1	7/22/1992	GTC	OnSite	14	80	-	-	0.6	0.06	0.92	2.24	-	-	-	-	-	-	-	-		
	T12-CL-1	7/22/1992	GTC	OnSite	4	50 U	-	-	0.05 U	0.05 U	0.05 U	0.10 U	-	-	-	-	-	-	-	-		
Tank 3 Excavation	T3-SPLS-2	7/22/1992	GTC	OnSite	7.5	1,700 M	-	-	0.05 U	1.6	4.6	9.5	-	-	-	-	-	-	-	-		
	T3-CL-1	7/22/1992	GTC	OnSite	4	50 U	-	-	0.05 U	0.05 U	0.05 U	0.10 U	-	-	-	-	-	-	-	-		
800 Aloha Street Parcel																						
RS-01	RS-1	3/1/1993	EPJ	OnSite	3	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-		
RS-02	RS-2	3/1/1993	EPJ	OnSite	6	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-		
RS-04	RS-4	3/3/1993	EPJ	OnSite	7	20 U	50 U	100 U	-	-	-	-	-	-	-	-	-	-	-	-		
RS-05	RS-5	3/3/1993	EPJ	OnSite	9	1,700	-	-	0.25 U	1.5	8.3	29.2	-	-	-	-	-	-	-	-		
RS-06	RS-6	3/3/1993	EPJ	OnSite	8	88	-	-	0.05 U	0.05 U	0.05 U	0.31	-	-	-	-	-	-	-	-		
RS-07	RS-7	3/3/1993	EPJ	OnSite	7	1,500	-	-	0.25 U	1.4	9.6	69	-	-	-	-	-	-	-	-		
RS-08	RS-8	3/3/1993	EPJ	OnSite	8	3,400	-	-	0.25 U	1.2	21	71	-	-	-	-	-	-	-	-		
RS-09	RS-9	3/3/1993	EPJ	OnSite	7	24	-	-	0.05 U	0.05 U	0.066	20.8	-	-	-	-	-	-	-	-		
RS-10	RS-10	3/3/1993	EPJ	OnSite	13	140	-	-	2.3	0.32	1.1	2.49	-	-	-	-	-	-	-	-		
RS-11	RS-11	3/3/1993	EPJ	OnSite	8	60	-	-	0.15	0.0088	0.18	0.5	-	-	-	-	-	-	-	-		
RS-12	RS-12	3/3/1993	EPJ	OnSite	10	3,800	-	-	2.5	1.4	14	20.8	-	-	-	-	-	-	-	-		
RS-13	RS-13	3/3/1993	EPJ	OnSite	9	3,100	-	-	4.1	1.4	27	26	-	-	-	-	-	-	-	-		
RS-14	RS-14	3/3/1993	EPJ	OnSite	8	1,100	-	-	0.690	2.2	7.3	33	-	-	-	-	-	-	-	-		
RS-15	RS-15	3/3/1993	EPJ	OnSite	4	1,900	-	-	5.1	1.7	28	279	-	-	-	-	-	-	-	-		
RS-16	RS-16	3/3/1993	EPJ	OnSite	4	15,000	-	-	100	260	170	460	-	-	-	-	-	-	-	-		
RS-17	Stockpile	3/4/1993	EPJ	OnSite	-	18,000 BE	-	-	170 E	300 BE	200 E	530 E	-	-	-	-	-	-	-	-		
RS-18	Stockpile	3/4/1993	EPJ	OnSite	-	1,700 B	-	-	1.5	7.4	4.8	41	-	-	-	-	-	-	-	-		
RS-19	Stockpile - Sludge from cleaning out USTs 1 and 2	3/10/1993	EPJ	OnSite	-	120,000 E	-	-	1,700 E	2,200 E	1,200 E	3,200 E	-	-	-	-	-	-	-	-		
RS-21	RS-21	3/5/1993	EPJ	OnSite	20	3,700	-	-	3	79 E	45 E	226 E	0.050 U	0.050 U	-	0.050 U	0.050 U	0.050 U	0.050 U	-		
RS-22	RS-22	3/5/1993	EPJ	OnSite	10	6,900	-	-	0.25 U	1.1	16	73 E	0.040 U	0.040 U	-	0.040 U	0.040 U	0.040 U	0.040 U	-		
RS-23	Stockpile	3/5/1993	EPJ	OnSite	-	4,600	-	-	0.88	18	42 E	199 E	-	-	-	-	-	-	-	-		
RS-24	Stockpile	3/5/1993	EPJ	OnSite	-	15	-	-	0.1 U	0.1 U	0.070	0.32	-	-	-	-	-	-	-	-		
RS-25	Stockpile	3/5/1993	EPJ	OnSite	-	2,600	-	-	0.25 U	7.4	18	129 E	-	-	-	-	-	-	-	-		

Table F-2

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700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Laboratory	Sample Depth (ft bgs)	Analytical Results (milligrams per kilogram)																					
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	DCM	Napthalene	Total PAHs						
RS-26	RS-26	3/8/1993	EPJ	OnSite	20	3,700	B	-	-	6.3	76	BE	50	E	216	E	-	-	-	-	-	-	-	-	-	-	
RS-26A	Pit #3	3/16/1993	EPJ	OnSite	20	1,100	-	-	-	2.5	25	-	15	-	76	E	-	-	-	-	-	-	-	-	-	-	
RS-27	RS-27	3/8/1993	EPJ	OnSite	6	15	BJ	-	-	0.050	U	0.33	B	0.19	0.95	B	-	-	-	-	-	-	-	-	-	-	
RS-28	RS-28	3/8/1993	EPJ	OnSite	6	20	U	50	U	100	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-29	RS-29	8/3/1993	EPJ	OnSite	20	2,000	B	-	-	0.86	24	B	33	168	BE	-	-	-	-	-	-	-	-	-	-	-	
RS-30	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	100	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-31	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	100	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-32	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	100	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-33	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-34	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-35	Stockpile	3/9/1993	EPJ	OnSite	-	20	U	50	U	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-36	Stockpile	3/9/1993	EPJ	OnSite	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RS-37	Stockpile	3/9/1993	EPJ	OnSite	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PD-1	PD-1	6/28/1993	RT	AAL	19	3,300	-	-	-	17	45	-	39	221	-	-	-	-	-	-	-	-	-	-	-	-	
PD-2	PD-2	6/28/1993	RT	AAL	10	19	U	-	-	0.25	U	20	U	10	U	10.0	U	-	-	-	-	-	-	-	-	-	
PD-3	PD-3	6/28/1993	RT	AAL	17	1,700	-	-	-	7.5	20	U	12	60	-	-	-	-	-	-	-	-	-	-	-	-	
PD-4	PD-4	6/28/1993	RT	AAL	17	19	U	-	-	0.25	U	20	U	10	U	10.0	U	-	-	-	-	-	-	-	-	-	
PD-5	PD-5	6/28/1993	RT	AAL	10	19	U	-	-	0.25	U	20	U	10	U	10.0	U	-	-	-	-	-	-	-	-	-	
TS1	TS1-17	9/27/1993	RT	ARI	17	110	-	-	-	0.29	1.8	-	2.1	11	-	-	-	-	-	-	-	-	-	-	-	-	
TS2	TS2-15	9/27/1993	RT	ARI	15	41	-	-	-	0.14	0.064	U	0.46	0.67	-	-	-	-	-	-	-	-	-	-	-	-	
TS4	TS4-25	10/4/1993	RT	ARI	25	1,400	-	-	-	8.2	51	-	22	120	-	-	-	-	-	-	-	-	-	-	-	-	
TS5	TS5-10	10/4/1993	RT	ARI	10	1,200	-	-	-	0.58	U	9.3	10	68	-	-	-	-	-	-	-	-	-	-	-	-	
TS6	TS6-19	10/4/1993	RT	ARI	19	1,300	-	-	-	7.7	43	-	22	120	-	-	-	-	-	-	-	-	-	-	-	-	
TS7	TS7-15	10/4/1993	RT	ARI	15	5.0	U	-	-	0.056	U	0.056	U	0.056	U	0.11	U	-	-	-	-	-	-	-	-	-	
TS8	TS8-25	10/4/1993	RT	ARI	25	560	-	-	-	3.5	20	-	9.1	50	-	-	-	-	-	-	-	-	-	-	-	-	
TS9	TS9-25	10/4/1993	RT	ARI	25	1,600	-	-	-	2.9	7.6	-	24	110	-	-	-	-	-	-	-	-	-	-	-	-	
TS10	TS10-15	10/6/1993	RT	ARI	15	37	-	-	-	0.1	0.82	-	0.82	4.3	-	-	-	-	-	-	-	-	-	-	-	-	
TS11	TS11-10	10/6/1993	RT	ARI	10	5.0	U	-	-	0.056	U	0.056	U	0.056	U	0.113	U	-	-	-	-	-	-	-	-	-	
TS12	TS12-10	10/6/1993	RT	ARI	10	5.0	U	-	-	0.056	U	0.056	U	0.056	U	0.113	U	-	-	-	-	-	-	-	-	-	
TS13	TS13-18	10/6/1993	RT	ARI	18	360	-	-	-	4.8	4.6	-	4.6	27	-	-	-	-	-	-	-	-	-	-	-	-	
TS15	TS15-15	10/14/1993	RT	AAL	15	1,500	-	-	-	3.3	28	-	23	130	-	-	-	-	-	-	-	-	-	-	-	-	
SP-1	SP-1 (S-1)	6/11/2002	UR	F&BI	NA	7	-	2,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
	SP-1 (S-2)				NA	2	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-2	SP-2 (S-1)	6/11/2002	UR	F&BI	NA	1	U	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SP-2 (S-2)				NA	1	U	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-3	SP-3 (S-1)	6/11/2002	UR	F&BI	NA	-	-	670	-	-	-	-	-	-	-	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SP-4	SP-4 (S-1)	6/11/2002	UR	F&BI	NA	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SP-5	SP-5 (S-1)	6/11/2002	UR	F&BI	NA	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SP-6	SP-6 (S-1)	6/11/2002	UR	F&BI	NA	-	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SP-6 (S-2)				NA	1	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-7	SP-7 (S-1)	6/11/2002	UR	F&BI	NA	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SP-8	SP-8 (S-1)	6/11/2002	UR	F&BI	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SP-9	SP-9 (S-1)	6/11/2002	UR	F&BI	NA	32	-	1,800	-	0.14	0.17	-	0.13	0.47	-	-	-	-	-	-	-	-	-	-	-	-	
	SP-9 (S-2)				NA	500	-	0.94	1.7	-	3.3	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-10	SP-10 (S-2)	6/11/2002	UR	F&BI	NA	3,400	-	-	-	9.6	11	-	60	240	-	-	-	-	-	-	-	-	-	-	-	-	
SP-11	SP-11 (S-1)	6/11/2002	UR	F&BI	NA	1	U	-	-	0.02	U	0.02	U	0.02	U	-	-	-	-	-	-	-	-	-	-	-	
SP-12	SP-12 (S-1)	6/11/2002	UR	F&BI	NA	9	-	-	-	0.10	0.07	-	0.04	0.06	-	-	-	-	-	-	-	-	-	-	-	-	
SP-13	SP-13 (S-1)	6/11/2002	UR	F&BI	NA	26	-	-	-	0.34	0.17	-	0.03	0.15	-	-	-	-	-	-	-	-	-	-	-	-	
SP-14	SP-14 (S-1)	6/11/2002	UR	F&BI	NA	600	-	-	-	0.81	3.3	-	9.7	36	-	-	-	-	-	-	-	-	-	-	-	-	
SP-15	SP-15 (S-6)	6/11/2002	UR	F&BI	NA	1	U	-	-	0.02	U	0.02	U	0.02	U	-	-	-	-	-	-	-	-	-	-	-	

Table F-2
Excavation Soil Analytical Results
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Laboratory	Sample Depth (ft bgs)	Analytical Results (milligrams per kilogram)																
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	DCM	Napthalene	Total PAHs	
SP-16	SP16 (S1 & S2)	6/12/2002	UR	F&BI	NA	-	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SP16 (S-5)				-	50	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SP16 (S-6)				-	50	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SP16 (S-7)				-	50	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-17	SP 17 (S-2)	6/12/2002	UR	F&BI	NA	530	-	-	2.6	24	15	66	-	-	-	-	-	-	-	-		
	SP 17 (S-3)				NA	11	-	-	0.04	0.07	0.29	0.26	-	-	-	-	-	-	-	-		
SP-18	SP 18 (S-2)	6/12/2002	UR	F&BI	NA	2,600	-	-	12	83	74	320	-	-	-	-	-	-	-			
SP-19	SP 19 (S-1)	6/12/2002	UR	F&BI	NA	85	570	-	2.2	1.0	1.9	3.6	-	-	-	-	-	-	-			
	SP 19 (S-2)				NA	4,100	-	-	16	120	110	500	-	-	-	-	-	-	-			
SP-20	SP20 (S-2-5')	6/12/2002	UR	F&BI	NA	5	-	-	0.14	0.03	0.15	0.26	-	-	-	-	-	-	-			
	SP20 (S-2-8')				NA	1	U	-	-	0.07	0.02	U	0.02	U	0.05	-	-	-	-	-		
SP-21	SP-21 (S-1)	6/12/2002	UR	F&BI	NA	25	350	-	0.84	0.23	0.17	0.17	-	-	-	-	-	-	-			
	SP-21 (S-2)				NA	1,200	-	-	3.5	12	19	52	-	-	-	-	-	-	-			
MTCA Cleanup Level for Soil						30⁽⁸⁾	2,000⁽⁸⁾	2,000⁽⁸⁾	0.03⁽⁸⁾	7⁽⁸⁾	6⁽⁸⁾	9⁽⁸⁾	0.05⁽⁸⁾	0.03⁽⁸⁾	160⁽⁹⁾	1,600⁽⁹⁾	0.67⁽¹⁰⁾	4,000⁽⁸⁾	0.02⁽⁸⁾	5⁽⁸⁾	0.1⁽⁸⁾⁽¹¹⁾	
Notes:						Abbreviations						Laboratory and Results Notes										
PHCs analyzed by Method WTPH-HCID, EPA Method 8020, EPA Method 8015M, or NWTPH-Gx, or EPA Method WTPH-HCID, or Method 418.1.						AAL = Alden Analytical Laboratories, Inc., of Seattle, Washington						OnSite = OnSite Environmental Inc., of Redmond, Washington										
VOCs analyzed by EPA Methods 8010, 8020, 8021B, 8260B, 624/8240, or 8260C, or 8270D, or 8270-SIM.						ARI = Analytical Resources, Inc.						ORPH = oil-range petroleum hydrocarbons										
PAHs analyzed by EPA Methods 8010, 8260B, 8260C, 8270, 8270D, or 8270D-SIM.						bgs = below ground surface						PAHs = polycyclic aromatic hydrocarbons										
(7)When determining the total TEC of benzo(a)pyrene for a sample, the concentrations of each of the seven cPAHs listed in table 708-2 (under WAC 173-340-900) is multiplied by its corresponding TEF. The sum of these seven factors equal the total TEC.						cDCE = cis-1,2-dichloroethene						PCE = perchloroethylene (tetrachloroethene)										
When the analytical result for any individual cPAH is reported as less than the LRL, half of the LRL is used as the concentrations for the calculation. The resultant total TEC concentration is then compared to the cleanup level for benzo(a)pyrene.						CLARC = cleanup levels and risk calculations						RT = Remediation Technologies, Inc./ThermoRetec Corporation										
(8)MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 740-1 Method A Cleanup Levels for Soil, revised November 2007.						cPAHs = carcinogenic polycyclic aromatic hydrocarbons						SES = SoundEarth Strategies, Inc.										
(9)CLARC, Soil, Method B, Non Cancer, CLARC website - <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Updated August 2015.						1,1-DCE = 1,1-dichloroethylene						TCE = trichloroethylene										
(10)CLARC, Soil, Method B, Cancer, CLARC website - <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Updated August 2015.						DCM = dichloromethane (methylene chloride)						tDCE = trans-1,2-dichloroethene										
(11)The cleanup level for carcinogenic PAHs is based on direct contact using Equation 740-2 under WAC 173-340-740.						DRPH = diesel-range petroleum hydrocarbons						TEC = toxicity equivalent concentration										
When establishing and determining compliance with cleanup levels for mixtures of carcinogenic PAHs, the mixture of carcinogenic PAHs is considered a single hazardous substance. Benzo(a)pyrene's cleanup level is used as the cleanup level for the mixture.						EPJ = E.P.Johnson Construction, Inc& Environmental						TEF = total equivalency factor										
						F&BI = Friedman & Bruya, Inc., of Seattle, Washington						UR = Urban Redevelopment LLC										
						GRPH = gasoline-range petroleum hydrocarbons						WAC = Washington State Administrative Code										
						GTC = GeoTech Consultants, Inc.																
						MTCA = Washington State Model Toxics Control Act																

Table F-3

**Soil Analytical Results for Metals
Former American Linen Property
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Laboratory	Sample Depth (feet bgs)	Analytical Results (milligrams per kilogram)									
						Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver		
The Property															
Tank 2 Excavation	Tank2-F08	3/22/13	SES	F&BI	8	1.81	39.4	1 U	10.8	6.94	0.28	1 U	1 U		
800 Aloha Street Parcel															
RS-05	RS-5	3/3/93	EPJ	SAS	9	-	-	-	-	32	-	-	-	-	-
RS-10	RS-10	3/3/93	EPJ	SAS	13	-	-	-	-	71	-	-	-	-	-
RS-15	RS-15	3/3/93	EPJ	SAS	4	-	-	-	-	480	-	-	-	-	-
RS-16	RS-16	3/3/93	EPJ	SAS	4	-	-	-	-	80	-	-	-	-	-
RS-17 & RS-24	RS-17/RS-24	3/3/93	EPJ	SAS	-	4.2 U	260	1.4	24	120	0.33	4.2 U	0.79		
SCL-B100	B-100, S1	6/10/02	Urban	F&BI	NA	10 U	50	1.0 U	25	4.5	0.200 U	10 U	10 U	10 U	10 U
	B-100, S2	6/11/02			NA	10 U	45	1.0 U	24	4.1	0.200 U	10 U	10 U	10 U	10 U
SP-1	SP-1 (S-1)	6/11/02	Urban	F&BI	NA	10 U	170	1.0 U	24	140	1.28	10 U	10 U	10 U	10 U
SP-2	SP-2 (S-2)	6/11/02	Urban	F&BI	NA	10 U	83	1.7	18	44	0.200 U	10 U	10 U	10 U	10 U
SP-3	SP-3 (S-1)	6/11/02	Urban	F&BI	NA	10 U	120	1.0 U	20	230	1.32	10 U	10 U	10 U	10 U
SP-7	SP-7 (S-1)	6/11/02	Urban	F&BI	NA		16	230	1.0	18	410	2.81	10 U	10 U	10 U
SP-16	SP16 (S1 & S2)	6/12/13	Urban	F&BI	NA	10 U	400	1.0 U	30	220	0.247	10 U	10 U	10 U	10 U
SCL-B101	B-101- S1&2	6/17/02	Urban	F&BI	NA	10 U	170	1.0 U	18	230	NA	10 U	10 U	10 U	10 U
	B101-S3				NA	10 U	82	1.0 U	27	5.3	NA	10 U	10 U	10 U	10 U
SCL-B102	B102-S2	6/17/02	Urban	F&BI	NA	10 U	59	1.0 U	28	9.9	NA	10 U	10 U	10 U	10 U
	B102-S1				NA	10 U	210	1.0 U	24	440	NA	10 U	10 U	10 U	10 U
SCL-MW-101	MW101-S3	6/14/02	Urban	F&BI	NA	10 U	27	1.0 U	16	3.6	NA	10 U	10 U	10 U	10 U
SCL-MW-103	MW103-S1&S2	6/14/02	Urban	F&BI	NA	10 U	35	1.0 U	33	4.5	NA	10 U	10 U	10 U	10 U
MTCA Cleanup Level						20(3)	16,000(4)	2(3)	2,000(3)	250(3)	2(3)	400(4)	400(4)		
<u>Notes:</u>			<u>Abbreviations:</u>			<u>Lab and Results Notes:</u>									
Trace elements analyzed by EPA Methods 200.8 or 6010.			bgs = below ground surface			Detected results shown in bold, detections exceeding MTCA Cleanup Levels highlighted in gray.									
Mercury analyzed by EPA Method 1631E or 7471.			CLARC = cleanup levels and risk calculations			U = not detected at a concentration exceeding laboratory reporting limit.									
(3)MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 740-1 Method A Cleanup Levels for Soil, revised November 2007.			EPJ = E.P. Johnson Construction, Inc. & Environmental			-- = results not available or not analyzed									
(4)CLARC, Soil, Method B, Non Cancer, CLARC website - < https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx >. Updated August 2015.			F&BI = Friedman & Bruya, Inc., of Seattle, Washington												
			MTCA = Washington State Model Toxics Control Act												
			SAS = SoundAnalytical Services, Inc., of Tacoma, Washington												
			SES = SoundEarth Strategies, Inc.												
			Urban = Urban Redevelopment LLC												

Table F-4

**Chlorinated Volatile Organic Compound Toxicity Characteristic Leaching Procedure Results
Former American Linen Supply
700 Dexter Avenue North Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Sample Depth (feet bgs)	Analytical Results (milligrams per liter)								
					PCE	TCE	1,1-DCE	Vinyl Chloride	EDC	MEK	Carbon Disulfide	Chloroform	
The Property													
G-MW1	MW-1-8-20	07/20/01	GeoEngineers	20	99.3 B	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U
G-SB4/G-MW3	SB4-7-17.5	07/20/01	GeoEngineers	17.5	0.182 B	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U
Dangerous Waste Characteristics					0.7	0.5	0.7	0.2	0.5	200	NE	6	
Notes: 1. Laboratory analyses conducted by North Creek Analytical, Inc. of Bothell, Bothell, Washington. 2. VOCs analyzed by U.S. Environmental Protection Agency Method 1311/8260B. 3. bgs = below ground surface 4. GeoEngineers = GeoEngineers, Inc. 5. PCE = perchloroethylene (tetrachloroethene) 6. TCE = trichloroethylene 7. 1,1-DCE = 1,1-dichloroethene 8. EDC = 1,2-dichloroethane 9. MEK = methyl ethyl ketone (2-Butanone) 10. Detected results shown in bold, detections exceeding Dangerous Waste Characteristics highlighted in gray 11. U = not detected at a concentration exceeding laboratory reporting limit 12. B = Analyte detected in an associated Method Blank. 13. NE = not established 14. Washington State Dangerous Waste Maximum Concentration of Contaminants for the Toxicity Characteristic, Chapter 173-303-090 of the Washington Administrative Code.													

Table F-5

**Metals Toxicity Characteristic Leaching Procedure Results
Former American Linen Supply
700 Dexter Avenue North Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sampled By	Sample Depth (feet bgs)	Analytical Results (milligrams per liter)								
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	
800 Aloha Street Parcel													
RS-19	Stockpile - Sludge from cleaning out USTs 1 and 2	3/10/93	EPJ	–	0.20	0.42	0.50	0.01	2.8	0.002 U	0.14 U	0.01 U	
RS-25	Stockpile	3/5/93	EPJ	–	0.10 U	1.0	0.005 U	0.01 U	0.29	0.002 U	0.15 U	0.01 U	
Dangerous Waste Characteristics					5.0	100	1.0	5.0	5.0	0.2	1.0	5	
<p><u>Notes:</u></p> <ol style="list-style-type: none"> Laboratory analyses conducted by Sound Analytical Services, Inc., of Tacoma, Washington. Trace elements analyzed by EPA Method 6010. Mercury analyzed by EPA Method 7471. bgs = below ground surface EPJ = E.P. Johnson Construction, Inc. & Environmental – = not measured Detected results shown in bold, detections exceeding MTCA Cleanup Levels highlighted in gray U = not detected at a concentration exceeding laboratory reporting limit Washington State Dangerous Waste Maximum Concentration of Contaminants for the Toxicity Characteristic, Chapter 173-303-090 of the Washington Administrative Code. 													

Table F-6

**Sludge Sample Analytical Results
Former American Linen Property
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Results (milligrams per kilogram)												
				Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	Methylene Chloride		
Sump 2	Sump 2	4/26/2011	–	0.03 U	12	0.05 U	3.3	15	0.11	0.10	0.05 U	0.05 U	0.05 U	0.05 U		
Sump 3	Sump 3	5/2/2011	–	0.03 U	0.074	0.05 U	0.12	0.025 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U			
Sump 4	Sump 4	4/26/2011	–	3 U	35	5 U	17 J	85,000	520	410	5 U	5 U	5 U	5 U		
	SUMP4_B_20110629	6/29/2011	–	0.3 U	0.5 U	0.5 U	1.03 U	560	5.4	27	0.5 U	0.5 U	0.5 U	0.5 U		
	SUMP4_C_20110629	6/29/2011	–	30 U	50 U	50 U	150 U	24,000	140	170	50 U	50 U	50 U	50 U		
Sump 5	Sump 5	5/4/2012	–	0.60	4.6	1.6	2.6	1,200	180	880	12	31	2.6	0.2 U		
Cleanout 1	Cleanout 1 S-1/S-2 (composite)	4/26/2011	–	0.03 U	0.05 U	0.05 U	0.15 U	5.5	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
Cleanout 2	Clean out 2	5/2/2011	–	0.38	6.0	1.7	11.9	2.6	0.14	1.0	0.05 U	0.05 U	0.05 U	0.05 U		
Trench 1	01 Floor Trench	7/22/2011	–	0.03 U	0.05 U	0.05 U	0.15 U	0.10	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
Screening Level				0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	0.050	0.050		
Dangerous Waste Criteria				NE	NE	NE	NE	14	NE	NE	NE	NE	NE	NE		
<p>Notes:</p> <p>1. Chemical analyses conducted by Freidman & Bruya Inc., of Seattle, Washington.</p> <p>2. VOCs analyzed by U.S. Environmental Protection Agency Method 8260C.</p> <p>3. PCE = perchloroethylene (tetrachloroethene)</p> <p>4. TCE = trichloroethene</p> <p>5. cDCE = cis-1,2-dichloroethene</p> <p>6. tDCE = trans-1,2-dichloroethene</p> <p>7. 1,1-DCE = 1,1-dichloroethylene</p> <p>8. Detected results shown in bold, detections above the MTCA Cleanup level highlighted in gray</p> <p>9. U = not detected at a concentration exceeding laboratory reporting limit</p> <p>10. J = estimated concentration.</p> <p>11. Dangerous Waste Criteria = Washington State Dangerous Waste Maximum Concentration of Contaminants for the Toxicity</p> <p>12. NE = not established</p>																

Table F-7

**Groundwater Analytical Data for Shallow Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Well Screen Elevation (ft)	Sample Area	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)													
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
Screening Level						800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2		
On Property																			
F5	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	120,000	1,100	700	5.20	4.2	
			10/24/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	21,000	1,200	1,000	1,000	200 U
			03/28/17	PES	Peristaltic	234	-	-	0.515	0.727 U	0.158 U	0.316 U	0.199 U	0.241 J	516	4.31	90.6		
			06/22/17	PES	Peristaltic	31.6 U	-	-	0.374 J	0.708	0.158 U	0.316 U	0.199 U	0.485	10.4	0.485 J	63.9		
F9	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	140,000	3,400	1,100	8.6	78	
			06/16/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	3.7	1.8	680	12	74
			10/19/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	15.0	6.6	840	13	75
			02/01/16	SES	Peristaltic	-	-	-	-	-	-	-	-	-	2.9	1 U	1.3	1 U	20
			03/27/17	PES	Peristaltic	31.6 U	-	-	0.529	2.04	0.158 U	0.316 U	0.199 U	0.153 U	0.158 J	0.539	0.118 U		
			06/22/17	PES	Peristaltic	31.6 U	-	-	0.471 J	1.70	0.158 U	0.316 U	0.199 U	0.153 U	6.10	0.485	3.57		
F13	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	2,900	280	370	100 U	49	
			10/24/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	7,300	3,100	490	50 U	10 U
			11/18/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	67,000	6,600	3,200	85	48
			12/12/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1,100	340	670	10 U	20
			03/07/14	SES	Peristaltic	-	-	-	-	-	-	-	-	-	84	11	10	1 U	0.36
			06/16/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	8.4	1 U	1.8	1 U	0.31
			10/19/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1 U	2.0	210	2.3	4.1
			02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	-	-	3.4	1 U	1 U	1 U	0.97
			03/27/17	PES	Peristaltic	31.6 U	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.218 J	0.152 U	0.936		
			06/22/17	PES	Peristaltic	31.6	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.194 J	0.152 U	1.32		
G12	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	64,000	3,100	9,200	88	130	
			10/24/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1,700	150	100 U	100 U	20 U
			11/18/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	760	84	42	10 U	2 U
			03/27/17	PES	Peristaltic	-	-	-	0.243 J	0.412 U	0.158 U	0.316 U	0.199 U	0.233 J	95.9	1.97	28.4		
			06/30/17	PES	Peristaltic	-	-	-	0.282 J	0.412 U	0.158 U	0.316 U	0.199 U	0.323 J	115	2.94	31.5		
G-MW2 (31 to 21)	31 to 21	Property	07/24/01	GeoE	Peristaltic	-	-	-	0.375	48.3 E	2.01	12.88	176,000	237 g	129 g	1.02	0.457		
			01/29/09	DOF	Peristaltic	39,600 qp	-	-	20.0 U	20.0 U	20.0 U	48.9	59,000 f	210	373	1.33	0.200 U		
			06/02/11	SES	Peristaltic	59,000 xy	200	250 U	350 U	1,000 U	1,000 U	3,000 U	150,000	1000 U	1000 U	1000 U	200 U		
			09/06/12	SES	Peristaltic	-	-	-	0.35 U	12	1.1	4.7	150,000	320	260	1.4	0.2 U		
Decommissioned																			
J5	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	46,000	660	100 U	100 U	20 U	
			10/24/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	48,000	13,000	1,400	100 U	20 U
			06/16/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1,100	340	250	51	1.0
			10/19/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1,400	470	890	51	1.3
			02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	-	-	1,500	110	280	14	0.31
			03/21/17	PES	Peristaltic	-	-	-	0.580	0.412 U	0.158 U	0.316 U	0.285	78.5	253	1.73	29.6		
06/26/17	PES	Peristaltic	-	-	-	0.252 J	0.506	0.158 U	0.316 U	36.1	37.1	366	1.94	77.7					
J15	-	Property	07/19/13	SES	Peristaltic	-	-	-	-	-	-	-	-	4,100	220	580	6.8	20	
			10/24/13	SES	Peristaltic	-	-	-	-	-	-	-	-	-	10,000	1,100	680	100 U	20 U
			03/07/14	SES	Peristaltic	-	-	-	-	-	-	-	-	-	2,200	170	120	50 U	10 U
	-	Property	06/16/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	9.0	12	310	8.8	3.1
			10/19/15	SES	Peristaltic	-	-	-	-	-	-	-	-	-	3.6	1 U	110	3.0	1.7
			02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	-	-	2.4	1 U	35	1 U	0.39

Table F-7

**Groundwater Analytical Data for Shallow Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Well Screen Elevation (ft)	Sample Area	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)													
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
Screening Level						800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2		
J15 (Continued) (duplicate)			03/27/17	PES	Peristaltic	–	–	–	0.188 J	0.495 J	0.158 U	0.316 U	0.199 U	0.153 U	43.3	1.18	6.99		
			06/26/17	PES	Peristaltic	–	–	–	0.173 J	0.459 J	0.158 U	0.316 U	0.199 U	0.153 U	39.8	1.06	6.30		
			06/26/17	PES	Peristaltic	–	–	–	0.173 J	0.551	0.158 U	0.316 U	0.199 U	0.153 U	39.3	1.03	6.73		
K8	–	Property	07/19/13	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	
			06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			10/19/15	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			02/01/16	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			03/21/17	PES	Peristaltic	–	–	–	0.239 J	0.412 U	0.158 U	0.316 U	82.5	22.0	123	0.680	0.461 J		
			06/26/17	PES	Peristaltic	–	–	–	0.246 J	0.412 U	0.158 U	0.316 U	67.9	28.7	140	0.750	0.456 J		
M15 (duplicate)	–	Property	07/19/13	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	
			10/24/13	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			03/07/14	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			06/16/15	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			10/19/15	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			03/27/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.733	32.7	0.561	13.2		
			03/27/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.670	31.7	0.513	12.0		
			06/26/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.233 J	1.80	25.8	0.523	15.0		
N7	–	Property	07/19/13	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	
			10/19/15	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	
			02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	–	–	–	–	–	–	
			03/30/17	PES	Peristaltic	–	–	–	0.178 J	0.412 U	0.158 U	0.316 U	280	50.4	125	0.396 J	0.310 J		
			06/27/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	205	85.1	153	0.955	0.386 J		
R-MW1 (33.78 to 23.78)	33.78 to 23.78	Property	10/24/92	Roux	Unknown	57	1,345	6,000	1	1	0.5 U	0.5 U	5 U	5 U	–	5 U	100		
			10/24/92	DOF	Unknown	53	26,000	12,000	0.61	0.83	0.50 U	1.0 U	4.2	0.82	12.0 c	–	170		
			10/24/92	Roux	Unknown	54	290	5,000	0.58	1	0.5 U	0.5 U	2.3	2 U	14	NA	140		
			01/29/09	DOF	Peristaltic	50.0 U	–	–	0.500 U	0.500 U	0.500 U	1.00 U	17.1	4.26	1.60	0.200 U	0.630		
			06/02/11	SES	Peristaltic	100 U	1,000 x	740	0.35 U	1 U	1 U	3 U	7.9	2.7	1.9	1 U	0.68		
			09/05/12	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	16	3.6	2.1	1 U	2.20		
Decommissioned																			
R-MW2 (36.74 to 26.74)	36.74 to 26.74	Property	10/24/92	Roux	Unknown	4,200	34	2,000	684	17	301	403	5 U	5 U	–	5 U	5 U		
			10/24/92	DOF	Unknown	4,000	16,000	25,000	310	0.50	140	180	–	–	–	–	–		
			01/29/09	DOF	Peristaltic	657	–	–	0.500 U	0.557	0.513	2.08	5.05	0.200 U	0.200 U	0.200 U	0.200 U		
			06/02/11	SES	Peristaltic	1,700	3,100	290 x	19	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U		
			09/04/12	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U		
			03/21/17	PES	Peristaltic	–	–	–	0.272 J	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.341 J	0.152 U	0.522		
06/15/17	PES	Peristaltic	–	–	–	0.694	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.682	0.152 U	0.609					
R-MW3 (34.74 to 24.74)	34.74 to 24.74	Property	10/24/92	Roux	Unknown	87	3,015	1,200	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	–	5 U	5 U		
			10/24/92	DOF	Unknown	50 U	–	–	0.50 U	0.50 U	0.50 U	1.0 U	–	–	–	–	–		
			01/29/09	DOF	Peristaltic	50.0 U	–	–	0.500 U	0.500 U	0.500 U	1.00 U	4.26	0.200 U	0.200 U	0.200 U	0.200 U		
			06/02/11	SES	Peristaltic	100 U	240 x	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U		
			09/04/12	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	6.4	1 U	1 U	1 U	0.2 U		
			03/21/17	PES	Peristaltic	31.6 U	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	1.38	0.714	0.575	0.152 U	0.118 U		
06/28/17	PES	Peristaltic	31.6 U	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.834	0.582	0.735	0.152 U	0.424 J					

Table F-7

**Groundwater Analytical Data for Shallow Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Well Screen Elevation (ft)	Sample Area	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)													
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC		
Screening Level						800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2		
Off Property																			
MW-6	31.2 to 16.2	800 Aloha St Parcel	10/12/93	Retec	Unknown	150,000				9,100	6,800	2,600	7,300						
			10/26/93	Retec	Unknown	100,000				17,000	14,000	1,400	11,000						
			01/25/94	Retec	Unknown	66,000				8,800	4,600	1,500	8,100						
			04/25/94	Retec	Unknown	120,000				15,000	7,200	2,600	13,300						
			09/15/94	Retec	Unknown	56,000				15,000	2,000	1,500	7,100						
			06/20/02	Urban	Unknown	8,500				1,900	14	250	53						
MW-7	26.09 to 16.09	800 Aloha St Parcel	10/12/93	Retec	Unknown	75,000				20,000	22,000	3,000	15,000						
			10/26/93	Retec	Unknown	74,000				8,300	7,400	1,100	8,300						
			01/25/94	Retec	Unknown	53,000				1,600	2,700	1,400	5,100						
			04/25/94	Retec	Unknown	140,000				3,900	7,400	3,100	14,100						
			09/15/94	Retec	Unknown	66,000				3,400	2,700	1,900	7,700						
			06/20/02	Urban	Unknown	8,400				650	37	470	150						
MW-8	28.69 to 14.19	800 Aloha St Parcel	10/26/93	Retec	Unknown	280				19	1	1 U	48						
			01/25/94	Retec	Unknown	230 J				13	0.7 J	1 U	4.5						
(duplicate)			01/25/94	Retec	Unknown	210 J				12	0.6 J	1 U	3.7						
			04/25/94	Retec	Unknown	250 U				2.2	1 U	1 U	1.7						
(duplicate)			09/15/94	Retec	Unknown	210 J				1 U	0.5 J	1 U	1.6 J						
			09/15/94	Retec	Unknown	250 J				1 U	0.5 J	1 U	1.7 J						
			06/21/02	Urban	Unknown	50 U				1 U	1 U	1 U	1 U						
(dry)			03/20/17	PES	Peristaltic	-				0.145 J	0.412 U	0.175 J	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
			06/27/17	PES	Peristaltic	-				-	-	-	-						
MW-9	33.81 to 18.81	8th Ave North ROW	10/26/93	Retec	Unknown	210 J				9.5	1.3	1 U	2 U						
			01/25/94	Retec	Unknown	250 U				5.7	1.1	1 U	2 U						
			04/25/94	Retec	Unknown	250 U				0.001 U	1 U	1 U	2 U						
			09/15/94	Retec	Unknown	250 U				3.5	0.6 J	1 U	2 U						
			06/20/02	Urban	Unknown	50 U				1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	
			06/02/11	SES	Peristaltic	100 U		150 x	250 U	1 U	1 U	1 U	3 U						
			09/04/12	SES	Peristaltic	-				0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.61	
			12/16/13	SES	Peristaltic	100 U		50 U	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
			03/20/17	PES	Peristaltic	52.8 J				0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.140 J	0.152 U	0.324 J	
			06/20/17	PES	Peristaltic	31.6 U				0.0896 U	0.562	0.158 U	0.316 U	0.199 U	0.153 U	0.214 J	0.152 U	0.118 U	
			06/20/17	PES	Peristaltic	31.6 U				0.0896 U	0.548	0.158 U	0.316 U	0.199 U	0.153 U	0.211 J	0.152 U	0.118 U	
			MW-10	30.95 to 15.95	800 Aloha St Parcel	10/26/93	Retec	Unknown	250 U				1 U	1.3	1 U	2 U			
01/25/94	Retec	Unknown				190 J				1 U	3.2	1 U	2 U						
04/25/94	Retec	Unknown				250 U				1 U	2.5	1 U	2 U						
09/15/94	Retec	Unknown				250 U				1 U	0.9 J	1 U	2 U						
06/20/02	Urban	Unknown				50 U				1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
MW121	26.72 to 16.72	8th Ave North ROW	12/26/13	SES	Peristaltic	100 U		200 x	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1.3		
			03/28/17	PES	Peristaltic	-				0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.768	0.152 U	5.82	
			06/20/17	PES	Peristaltic	-				0.186 J	0.774	0.158 U	0.316 U	0.199 U	0.153 U	1.13	0.152 U	7.68	
MW125	28.55 to 13.55	Valley St ROW	12/26/13	SES	Peristaltic	100 U		300 x	250 U	1.4	1 U	1 U	3 U	1 U	1 U	1 U	0.2 U		
			03/22/17	PES	Peristaltic	31.6 U				0.0896 U	0.412 U	0.158 U	0.316 U	0.285 J	0.153 U	0.341 J	0.152 U	0.118 U	
			06/28/17	PES	Bladder	31.6 U				0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	

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Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Well Screen Elevation (ft)	Sample Area	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
						GRO		DRO		ORO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE	
Screening Level						800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2						
MW-214 (duplicate) (dry)	-	Valley St ROW	03/30/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
			03/30/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
			06/21/17	PES	Peristaltic	-	-	-	-	-	-	-	-	-	-	-	-	-					
R-MW5	42.03 to 27.03	Dexter Ave North ROW	10/28/92	Roux	Unknown	93	86	1000 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
			01/29/09	DOF	Peristaltic	50 U	-	-	0.500 U	0.500 U	0.500 U	1.00 U	0.800	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
			06/02/11	SES	Peristaltic	100 U	50 U	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U
			09/05/12	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U
			12/18/13	SES	Peristaltic	100 U	50 U	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U
			03/23/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.338 J	0.186 J	0.933 U	0.152 U	0.118 U						
			06/16/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.257 J	0.245 J	0.0933 U	0.152 U	0.118 U						
R-MW6	33.28 to 23.28	8th Ave North ROW	10/28/92	Roux	Unknown	50 U	50 U	1000 U	0.5 U	2	0.5 U	2	4,500	920	2,600	NA	240						
			11/03/92	DOF	Unknown	-	-	-	-	-	-	-	690	160	620	NA	40 U						
			01/29/09	DOF	Peristaltic	50.0 U	-	-	0.500 U	0.500 U	0.500 U	1.00 U	1.78	0.200 U	2.64	0.200 U	2.75						
			05/03/10	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1.2	1 U	2.8						
			06/02/11	SES	Peristaltic	100 U	120 x	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	2.1					
			09/05/12	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U						
			03/21/17	PES	Peristaltic	42.8 J	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	1.08	3.17	20.0	0.242 J	8.65						
06/20/17	PES	Peristaltic	38.5	-	-	0.167 J	0.619	0.158 U	0.316 U	1.19	0.878	37.3	0.445 J	43.9									
SCL-MW101	-	Alley Between 8th & 9th Ave N	03/28/17	PES	Peristaltic	-	-	-	6.74	0.624 U	0.598	2.08	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
			06/14/17	PES	Peristaltic	-	-	-	18.6	1.68	17.1	3.50	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
SCL-MW105	-	Alley Between 8th & 9th Ave N	03/28/17	PES	Peristaltic	-	-	-	257	16.3	26.5	33.9	0.995 U	0.765 U	0.466 U	0.760 U	0.590 U						
			06/15/17	PES	Peristaltic	-	-	-	208	14.3	109	40.8	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
SCS-2	-	800 Aloha St Parcel	03/20/17	PES	Peristaltic	1,660	-	-	51.8	9.54	155	181	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
			06/12/17	PES	Peristaltic	901	-	-	58.9	4.49	141	70.4	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
SMW-3	-	Valley St ROW	03/30/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
			06/21/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U						
Decommissioned Wells																							
R-MW4	25.94 to 10.94	Roy St ROW	10/24/92	Roux	Unknown	410	201	1000 U	0.5 U	2	1	4	814	64	-	5 U	5 U						
			10/24/92	DOF	Unknown	640	-	-	0.5 U	1.8	0.5 U	3.1	31	2.8	2.0 U	-	2.0 U						
Decommissioned before 2009																							
MW-1	-	800 Aloha St Parcel	03/22/93	EPJ	Bailer	5,100	500 U	1000 U	10,000	270	480	427	-	-	-	-	-						
			06/17/93	Retec	Unknown	-	-	-	20,000	14,000	840	6,700	-	-	-	-	-						
Decommissioned on October 12, 1993																							
MW-2	-	8th Ave North ROW	03/22/93	EPJ	Bailer	650	500 U	1000 U	100	42	24	67	-	-	-	-	-						
			06/17/93	Retec	Unknown	-	-	-	28	7.2	1 U	2 U	170	1,400	9,300	25	1,100						
Decommissioned on October 12, 1993																							
MW-3	-	800 Aloha St Parcel	03/22/93	EPJ	Bailer	27,000	500 U	1000 U	1,500	3,300	690	3,500	-	-	-	-	-						
			06/17/93	Retec	Unknown	-	-	-	4,800	21,000	1,900	12,300	-	-	-	-	-						
Decommissioned on October 12, 1993																							
MW-4	-	800 Aloha St Parcel	03/22/93	EPJ	Bailer	940	500 U	1000 U	82	390	39	108	-	-	-	-	-						
			06/17/93	Retec	Unknown	-	-	-	1 U	1 U	1 U	2 U	-	-	-	-	-						
Decommissioned on October 12, 1993																							

Table F-7

**Groundwater Analytical Data for Shallow Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Well Screen Elevation (ft)	Sample Area	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)											
						GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Level						800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2
MW-5	-	8th Ave North ROW	03/22/93	EPJ	Bailer	670	500 U	1000 U	49	140	9.8	80	-	-	-	-	-
			06/17/93	Retec	Unknown	-	-	-	1 U	1 U	1 U	2 U	-	-	-	-	-
Decommissioned on October 12, 1993																	
Number of Analytes Measured						76	23	23	115	115	115	115	121	121	117	115	121
Number of Analytes Detected						42	14	6	58	56	32	38	73	66	80	46	68
Frequency of Detection						55%	61%	26%	50%	49%	28%	33%	60%	55%	68%	40%	56%
Maximum Detection						150,000	26,000	25,000	20,000	22,000	3,100	15,000	176,000	13,000	9,300	1,000	1,100
Minimum Detection						31.6 U	34.0	250 U	0.001 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
Notes:																	
VOCs analyzed by EPA Methods 8015, 8020, 8021B, 8240, 8260B, or 8260C or by Purge and Trap Gas Chromatogram/Mass Spectrometry or EPA Method 601, 8010S, 8240, 8260B, or 8260C.						TCE = trichloroethene						g = Estimated value. The reported range exceeds the calibration range of the analysis					
* = Monitoring well was installed at a 25 degree angle from the vertical point of penetration.						tDCE = trans-1,2-dichloroethene						J = the identification of the analyte is acceptable; the reported value is an estimate					
(dup) = duplicate						VC = vinyl chloride						qp = Hydrocarbon result partly due to individual peak(s) in quantitation range					
cDCE = cis-1,2-dichloroethene						WAC = Washington Administrative Code						U = not detected at or above the laboratory method detection limit (MDL)					
DOF = Dalton, Olmsted & Fuglevand, Inc.						WW = Windward Environmental LLC						x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation					
DRO = diesel-range organics						<u>Laboratory and Results Notes:</u>						y = The GRO result in the sample is due to a pattern of peaks that is consistent with the chlorinated volatiles detected by the 8260C analysis					
GeoE = GeoEngineers, Inc.						Detected results shown in bold, detections above the screening level highlighted in gray											
GRO = gasoline-range organics						- = Not analyzed or results not available											
MTCA = Washington State Model Toxics Control Act						B = the same analyte is found in the associated blank											
ORO = oil-range organics						c = Reported as total 1,2,-DCE (sum of cis,-1,2- and trans,1-2-DCE isomers)											
PCE = perchloroethylene (tetrachloroethene)						E = Estimated value. The reported range exceeds the calibration range of the analysis											
Roux = Roux Associates						f = Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank											
SES = SoundEarth Strategies, Inc.																	

Table F-8

**Groundwater Analytical Data for Intermediate Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)											
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Level					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2
Intermediate A Water-Bearing Zone, On Property																
G-MW1 (9.01 to 4.01)	The Property (duplicate)	07/24/01	Geo	Peristaltic	–	–	–	0.449	17.6 E	0.798	5.52	85,500	1,130	23.3 g	0.956	74.5 g
		01/29/09	DOF	Peristaltic	41,300 qp	–	–	20.0 U	20.0 U	28.6	55.1	78,400 f	1,160	34.4	1.49	0.200 U
		06/03/11	SES	Peristaltic	29,000 x	92 x	250 U	–	–	–	–	78,000	1,100	22	–	33
		09/06/12	SES	Peristaltic	–	–	–	0.35 U	7.4	1 U	1.1	66,000	1,100	32	1.5	35
		09/06/12	SES	Peristaltic	–	–	–	0.35 U	7.6	1 U	1.0	64,000	1,100	30	1.4	33
		Decommissioned														
G-MW3 (13.55 to 3.55)	The Property	07/24/01	Geo	Peristaltic	–	–	–	0.524	6.93 E	0.459	2.10	47,700	385 g	0.200 U	3.71	42.5 g
		12/10/04	DOF	Bailer	–	–	–	2 U	7	2 U	2	220,000	1,200	570	6	19
		01/29/09	DOF	Peristaltic	26,600 qp	–	–	12.5 U	12.5 U	12.5 U	25.0 U	64,000 f	1,580	4,050	13.9	0.200 U
		06/02/11	SES	Peristaltic	19,000 xy	210 x	250 U	350 U	1,000 U	1,000 U	3,000 U	33,000	1,400	1,500	1000 U	290
		09/06/12	SES	Peristaltic	–	–	–	0.35 U	1.5	1 U	3 U	31,000	1,200	1,600	5.9	290
		Decommissioned														
MW131 (-4.61 to -14.61)	Property	03/27/17	SES	Peristaltic	91.9 J	–	–	0.199 J	0.462 J	0.158 U	0.316 U	0.199 U	0.153 U	243	0.981	804
		06/20/17	PES	Peristaltic	31.6 U	–	–	0.448 U	2.06 U	0.790 U	1.58 U	0.995 U	0.765 U	2.55	0.760 U	435
Intermediate A Water-Bearing Zone, Off Property																
BB-5	South of Mercer St ROW	11/17/97 Decommissioned	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	1.1	ND	ND
BB-7	Westlake Ave North ROW	11/17/97 Decommissioned	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	ND	ND	ND
BB-8 (13.69 to 3.69)	Roy St ROW	06/24/97	B&V	Bailer	200 U	500 U	1000 U	1.8	1.3	1.0 U	1.0 U	11,000	1,500	4,200	14	280
		01/29/09	DOF	–	499	–	–	0.694	0.500 U	0.500 U	1.00 U	896 f	258	441	2.45	1.48
		05/03/10	SES	Peristaltic	–	–	–	–	–	–	–	510	120	110	1 U	0.27
		06/02/11	SES	Peristaltic	130 xy	50 U	250 U	0.35 U	1 U	1 U	3 U	170	59	44	1 U	0.2 U
		09/05/12	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	200	41	28	1 U	0.2 U
		12/29/13	SES	Bladder	–	–	–	0.35 U	1 U	1 U	3 U	200	38	24	1 U	0.2 U
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	170	40	37	10 U	2.0
		03/22/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	30.4	4.95	3.10	0.152 U	0.118 U
06/14/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	26.0	8.57	12.6	0.155 J	0.118 U		
BB-8A	Roy St ROW	01/29/09	DOF	Peristaltic	669	–	–	0.500 U	0.500 U	0.500 U	1.00 U	1,290 f	285	549	2.96	3.86
		05/03/10	SES	Peristaltic	–	–	–	–	–	–	810	180	140	1.6	0.78	
		06/02/11	SES	Peristaltic	380 xy	50 U	250 U	3.5 U	10 U	10 U	30 U	710	170	170	10 U	2 U
		Decommissioned														
BB-12	9th Ave North ROW	05/19/98	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	540	ND	380
		05/02/10	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		Decommissioned														
BB-12A	9th Ave North ROW	05/02/10 Decommissioned	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
GEI-MW-1	739 9th Ave N	09/06/14	Geo	Peristaltic	50.0 U	50.0 U	100 U	1.00 U	1.00 U	–	1.00 U	0.250	0.240	1.00 U	0.500 U	0.200 U
GEI-MW-2	739 9th Ave N	09/06/14	Geo	Peristaltic	28.9	50.0 U	100 U	14.1	4.44	–	1.00 U	1.00 U	0.410	1.00 U	0.500 U	1.34
GEI-MW-3	739 9th Ave N	09/06/14	Geo	Peristaltic	50.0 U	50.0 U	100 U	1.00 U	9.03	–	1.00 U	1.00 U	0.610	1.00 U	0.500 U	3.14

Table F-8

**Groundwater Analytical Data for Intermediate Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)											
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2
GEI-1 (1.15 to -8.85)	Block 37	03/24/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		06/13/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.244 J	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW107 (8.81 to -1.18)	8th Ave North ROW (duplicate)	12/21/12	SES	Peristaltic	240,000 xy	190 x	250 U	3.5 U	10 U	10 U	30 U	47,000	2,800	5,100	41	200
		12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	50,000	3,000	5,200	44	270
		12/16/13	SES	Peristaltic	–	–	–	0.37 U	1.8	1 U	3.3	32,000	2,400	4,000	34	76
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	1,900	5,000	5,000	100 U	40
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	2,300	5,100	3,600	60	27
		11/10/15	SES	Peristaltic	–	–	–	–	–	–	–	620	3,800	4,400	54	31
		12/11/15	SES	Peristaltic	–	–	–	–	–	–	–	1200	4200	4,200	57	22
		01/08/16	SES	Peristaltic	–	–	–	–	–	–	–	1,000	3,600	3,900	50	20
		02/01/16	SES	Peristaltic	–	–	–	–	–	–	–	61	220	10,000	33	73
		03/27/17	PES	Peristaltic	–	–	–	0.204 J	0.690 J	0.158 U	0.316 U	0.224 J	0.370 J	6.82	14.0	34.5
06/19/17	PES	Peristaltic	–	–	–	0.238 J	0.700 J	0.158 U	0.316 U	0.199 U	0.290 J	7.29	12.6	15.0		
MW108 (-7.22 to -17.22)	Alley Between 8th and 9th Ave North	12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	3.4	1.8	400	2.1	210 pr
		12/17/13	SES	Peristaltic	–	–	–	1.9	1 U	1 U	3 U	3.8	4.6	360	3.6	150
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	4.0	11	370	3.5	260
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	3.0	6.4	220	1.8	140
		02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	15	7.9	290	1.8	180
		03/28/17	PES	Peristaltic	–	–	–	1.59	0.479 U	0.158 U	0.316 U	73.1	12.5	278	0.899	52.3
06/27/17	PES	Bladder	–	–	–	1.26	0.479 U	0.158 UJ	0.316 U	194	22.1	165	0.748	52.8		
MW109 (-0.03 to -10.03)	Alley Between 8th and 9th Ave North	12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	91	64	18	1 U	1.5
		12/17/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	4.0	18	310	1 U	27
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	370	890	520	1.2	26
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	230	790	400	20 U	22
		02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	34	330	270	1 U	19
		03/29/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.198 J	12.6	0.152 U	3.49
06/27/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 UJ	0.316 U	9.69 J	1.17	163	1.17	6.06		
MW110 (4.67 to -5.33)	Alley Between 8th and 9th Ave North	12/21/12	SES	Bladder	–	–	–	–	–	–	–	1,100	220	470	3.0	33
		12/19/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	930	240	840	3.9	31
		04/22/15	SES	Peristaltic	–	–	–	–	–	–	–	1,000	210	340	2.4	1
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	1,000	200	470	10 U	12
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	890	180	380	2.2	13
		02/01/16	SES	Peristaltic	–	–	–	–	–	–	–	1,300	290	460	3.0	1.1
		03/23/17	PES	Peristaltic	–	–	–	0.330 J	0.412 U	0.158 U	0.316 U	1,070	389	644	4.72	1.45
06/27/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 UJ	0.316 U	259	176	1,120	2.66	152		
MW114 (10.84 to 0.84)	SDOT property south of Roy Street	12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	1,400	290	260	1 U	14
		12/18/13 Destroyed	SES	Peristaltic	–	–	–	17 U	50 U	50 U	150 U	8,400	1,300	640	50 U	22

Table F-8

**Groundwater Analytical Data for Intermediate Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)												
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Level					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2	
MW115 (-0.86 to -10.86)	9th Ave North ROW	12/13/12	SES	Peristaltic	–	–	–	–	–	–	–	–	15	1.1	3.0	1 U	2.6
		12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	3.0	38	1 U	16
		12/19/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	0.75
		04/21/15	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	17	170	1 U	20
		06/25/15	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	6.2
		10/27/15	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.31
		02/03/16	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	2.3
		03/22/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.643	0.152 U	15.7	
		06/22/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.523	0.152 U	8.45	
MW116 (-3.64 to -13.64)	9th Ave North ROW	12/07/12	SES	Peristaltic	–	–	–	–	–	–	–	–	6.8	1 U	1 U	1 U	0.2 U
		12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	–	2.7	1 U	1 U	1 U	0.2 U
		12/19/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	0.2 U
		06/25/15	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		10/27/15	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		02/03/16	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		03/21/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
		06/16/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.303 J	0.0933 U	0.152 U	0.118 U
MW117 (16.90 to 1.90)	Dexter Ave North ROW	02/08/13	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		12/18/13 Destroyed	SES	Peristaltic	100 U	50 U	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	0.2 U
MW118 (12.91 to 2.91)	Mercer St ROW	03/25/13	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		12/18/13 Destroyed	SES	Peristaltic	100 U	50 U	250 U	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	0.2 U
MW119 (2.35 to -7.65)	9th Ave North ROW	03/25/13	SES	Peristaltic	–	–	–	–	–	–	–	–	1 U	1 U	3.3	1 U	0.2 U
		12/19/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	2.5	1 U	0.76	
		04/21/15	SES	Peristaltic	–	–	–	–	–	–	–	–	34	42	50	1 U	3.1
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	–	4.9	7.1	52	1 U	2.7
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	–	15	22	74	1 U	0.45
		02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	–	7.3	24	100	1 U	0.45
		03/29/17	PES	Peristaltic	–	–	–	0.139	0.412 U	0.158 U	0.316 U	5.47	10.7	42.9	0.334 J	0.272 J	
		06/28/17	PES	Bladder	–	–	–	0.0896 U	0.726	0.158 U	0.562 J	19.0	12.4	5.99	0.167 J	0.118 U	
MW120 (0 to -10)	8th Ave North ROW	12/19/13	SES	Peristaltic	100 U	50 U	440 x	0.35 U	1 U	1 U	3 U	2.8	2.3	19	1 U	9.6	
		06/16/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	4.3	1 U	0.2 U	
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1.1	5.2	1 U	0.94	
		02/01/16	SES	Peristaltic	–	–	–	–	–	–	–	–	1.3	1.6	6.7	1 U	1.1
		03/28/17	PES	Peristaltic	–	–	–	0.0896 U	0.458 U	0.158 U	0.316 U	13.9	5.81	18.4	0.152 U	0.871	
		06/28/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	18.0	6.97	16.0	0.152 U	0.988	
MW127 (-0.96 to -10.96)	8th Ave North ROW	01/03/14	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.29	
		01/13/14 Decommissioned	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.30	

Table F-8

**Groundwater Analytical Data for Intermediate Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)												
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Level					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2	
Intermediate B Water-Bearing Zone, On Property																	
MW130	Property (duplicate)	03/03/16	SES	Bladder	-	-	-	-	-	-	-	-	6,200	430	300	1 U	38
		03/29/17	PES	Bladder	8,890 xy	-	-	1.79 U	8.24 U	3.16 U	6.32 U	721	830	7,880	39.3	186	
		06/30/17	PES	Bladder	10,300 Jz	-	-	0.896 U	4.12 U	1.58 U	3.16 U	6,760 J	4,020	20,100	55.6	597	
		06/30/17	PES	Bladder	15,000 Jz	-	-	0.896 U	4.12 U	1.58 U	3.16 U	11,100 J	5,310	21,300	57.3	549	
MW-132	Property	09/25/17	PES	Bladder	95.9 U	-	-	0.448 U	2.06 U	0.790 U	1.58 U	0.995 U	1.95 J	196	0.760 U	1.76 J	
MW-134	Property	09/22/17	PES	Bladder	-	-	-	0.448 U	2.06 U	0.790 U	1.58 U	0.995 U	0.765 U	86.2	0.760 U	229	
MW-135	Property	09/25/17	PES	Bladder	10,900 z	-	-	8.96 U	41.2 U	15.8 U	31.6 U	10,400	2,480	16,100	15.2 U	82.0 J	
MW-136	Property	09/25/17	PES	Bladder	55.2 U	-	-	0.332 J	0.412 U	0.158 U	0.316 U	15.4	10.7	18.7	0.152 U	0.118 U	
MW-139	Property	09/25/17	PES	Bladder	62.2 U	-	-	0.0896 U	0.516	0.158 U	0.316 U	0.199 U	0.153 U	1.42	0.152 U	0.246 J	
W-MW-03 (-30.77 to -40.77)	Property	02/03/12	WW	Bladder	-	-	-	20 U	20 U	20 U	60 U	5,300	220	160	20 U	20 U	
		09/06/12	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	13	2.6	20	1 U	120	
W-MW-04* (-32.47 to -41.47)	Property	02/03/12	WW	Bladder	-	-	-	20 U	20 U	20 U	60 U	5,400	160	54	20 U	20 U	
		09/06/12	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	460	440	1,900	4.0	630	
Intermediate B Water-Bearing Zone, Off Property																	
BB-10	Dexter Ave North ROW	11/13/97	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BB-13	Westlake Ave North ROW	1998	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	ND	2.6	ND	1.1
		05/02/10	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
Decommissioned																	
BB-14	North Valley St ROW	1998	B&V	Bailer	300 U	630 U	630 U	-	-	-	-	-	-	-	-	-	-
Decommissioned																	
MW111 (-33.52 to -43.52)	Alley Between 8th and 9th Ave North	12/21/12	SES	Bladder	-	-	-	-	-	-	-	-	110	32	37	1 U	1.8
		12/17/13	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	4.7	1 U	17	
		04/22/15	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1.7	1 U	18	
		06/17/15	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1.5	1 U	20	
		10/20/15	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	8.2	
		02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	2.3	1 U	5.8	
		03/23/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	1.40	0.152 U	5.22	
MW112 (-17.51 to -27.51)	Dexter Ave North ROW	06/14/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.408 J	1.24	0.152 U	3.22	
		12/21/12	SES	Bladder	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
		12/26/13	SES	Bladder	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		03/22/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
MW126 (-54.06 to -64.06)	Alley Between 8th and 9th Ave North	06/16/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
		01/03/14	SES	Peristaltic	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		03/28/17	PES	Peristaltic	-	-	-	0.148 J	0.563 U	0.158 U	0.316 U	0.199 U	0.153 U	0.283 J	0.152 U	0.118 U	
PW-1	North Valley St ROW	06/15/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.179 J	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
		1997 (8 hour)	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	1.0	ND	ND	ND	ND	
Decommissioned		1997 (Final)	B&V	Bailer	250 U	630 U	630 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	
W-MW-01 (-25.12 to -35.12)	8th Ave North ROW	02/02/12	WW	Bladder	-	-	-	20 U	0.1 J	0.2 U	0.6 U	46	3.9	11	0.2 U	0.5	
		09/06/12	SES	Peristaltic	-	-	-	0.35 U	1.7 J	1 U	3 U	1 U	1 U	2.0	1 U	2.8	
		06/17/15	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.46	
		10/20/15	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.88	
		01/08/16	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	2.5	
		02/01/16	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	2.8	
		03/30/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.330 J	0.203 J	0.491 J	0.152 U	1.83 J	

Table F-8

**Groundwater Analytical Data for Intermediate Water-Bearing Zone Wells
Former American Linen Supply, 700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)											
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Level					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2
		06/19/17	PES	Bladder	–	–	–	0.158 J	0.931	0.158 U	0.316 U	0.199 U	0.153 U	0.320 J	0.152 U	1.09
W-MW-02 (-26.54 to -36.54)	8th Ave North ROW	02/03/12	WW	Bladder	–	–	–	20 U	20 U	20 U	60 U	6,900	1,700	2,000	20 U	120
		08/13/12	SES	Peristaltic	–	–	–	–	–	–	–	3,000	1,300	2,200	4.1	66
		09/05/12	SES	Peristaltic	–	–	–	0.35 U	1.4	1 U	3 U	2,600	1,300	2,800	5.0	69
		01/03/14	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	490	1,200	4,400	7.3	67
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	10 U	10 U	13,000	95	2,400
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	5 Uht	5 Uht	12,000 ht	97 ht	1,700 ht
		11/10/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	3.4	480	3.6	110
		12/11/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	4.9	900	6.2	2,900
		01/08/16	SES	Peristaltic	–	–	–	–	–	–	–	1 U	3.1	750	26	7,500
		02/01/16	SES	Peristaltic	–	–	–	–	–	–	–	1 U	4.6	2,900	35	2,800
				03/27/17	PES	Peristaltic	–	–	–	0.270 J	0.961 J	0.158 U	0.316 U	0.199 U	0.259 J	33.0
		06/19/17	PES	Bladder	–	–	–	0.307 J	0.970	0.158 U	0.316 U	0.199 U	0.153 U	18.2	0.746	25.6
Number of Analytes Measured					32	20	20	90	90	87	90	156	156	156	155	156
Number of Analytes Detected					14	3	1	16	19	6	6	85	97	114	54	112
Frequency of Detection					44%	15%	5%	18%	21%	7%	7%	54%	62%	73%	35%	72%
Maximum Detection					240,000 xy	210 x	440 x	14.1	17.6 E	28.6	55.1	220,000	5,310	21,300	97 ht	7,500
Minimum Detection					28.9	50 U	100 U	0.0896 U	0.100 J	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
<p>Notes:</p> <p>Petroleum Hydrocarbons analyzed by EPA Method 418.1 or 8015-M, NWTPH-HCID, or NWTPH-Gx/NWTPH-Dx.</p> <p>VOCs analyzed by EPA Methods 8015, 8020, 8021B, 8240, 8260B, or 8260C OR by Purge and Trap Gas Chromatogram/Mass Spectrometry or EPA Method 601, 8010S, 8240, 8260B, or 8260C.</p> <p>* Monitoring well was installed at a 25 degree angle from the vertical point of penetration.</p> <p>(dup) = duplicate B&V = Black & Veatch cDCE = cis-1,2-dichloroethene DOF = Dalton, Olmsted & Fuglevand, Inc. DRO = diesel-range organics Geo = GeoEngineers Inc. GRO = gasoline-range organics ORO = oil-range organics PCE = perchloroethylene (tetrachloroethene) ROW = right-of-way SES = SES Strategies, Inc.</p> <p>TCE = trichloroethene tDCE = trans-1,2-dichloroethene VC = vinyl chloride WW = Windward – = not analyzed</p> <p>Detected results shown in bold, detections above the screening level (see Table 3) highlighted in gray f = Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank. ht = The analysis was performed outside the method the method or client-specified holding time requirement. J = Estimated concentration. ND = not detected at a concentration exceeding laboratory reporting limit; detection limit not provided pr = The sample was received with incorrect preservation. The value reported should be considered an estimate. U = not detected at or above the laboratory method detection limit (MDL); detections above the screening level highlighted in gray x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation. y = The GRO result in the sample is due to a pattern of peaks that is consistent with the chlorinated volatiles detected by the 8260C analysis. z = No/low level gasoline/petroleum detection; result is likely elevated due to high detections of CVOCs</p>																

Table F-9

Groundwater Analytical Data for Deep Water-Bearing Zone Wells
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)												
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Screening Level					800	500	500	0.5	72	29	10,000	2.4	1	16	100	0.2	
On Property																	
MW101 (-65.51 to -75.51)	Property	07/20/12	SES	Bladder	-	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U
		09/06/12	SES	Peristaltic	-	-	-	0.35 U	1.4	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
Decommissioned 2013																	
MW-133	Property	09/25/17	PES	Bladder	41.2 U	-	-	0.0896 U	0.748	0.158 U	0.316 U	12.7	16.2	13.3	1.13	0.239 J	
MW-137	Property	09/25/17	PES	Bladder	58.5 U	-	-	0.0896 U	3.90	0.158 U	0.316 U	15.0	19.1	62.0	0.152 U	0.118 U	
MW-141	Property	09/22/17	PES	Bladder	-	-	-	0.0896 U	0.941	0.158 U	0.316 U	0.199 U	0.153 U	0.345 J	0.152 U	0.457 J	
Off Property																	
FMW-129 (-45 to -50)	SDOT Property South of Roy St	05/23/14	Farallon	Unknown	-	-	-	-	-	-	-	0.40	0.57	17	ND	7.6	
		10/20/15	SES	Peristaltic	-	-	-	-	-	-	-	25	39	250	1 U	0.2 U	
		02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	13	61	240	1 U	0.330	
		04/10/17	PES	Peristaltic	-	-	-	0.448 U	2.06 U	0.790 U	1.58 U	194	492	1,420	5.05	0.885 J	
		06/23/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	81.1	182	474	1.21	0.413	
FMW-131 (-34.65 to -44.65)	Block 37	09/02/16	Farallon	Unknown	-	-	-	-	-	-	-	0.20 U	0.20 U	41	0.20 U	1.7	
		03/24/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	45.6	0.152 U	0.249 J	
		06/23/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	3.61	0.152 U	0.264 J	
FMW-3D	Block 31	03/24/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
		06/23/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
GEI-2 (-21.12 to -31.12)	Block 37	03/24/17	PES	Peristaltic	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	2.25	0.152 U	6.94	
		06/23/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	16.3	0.152 U	127	
MW102 (-65.81 to -75.81)	Valley St ROW	08/16/12	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
		09/05/12	SES	Bladder	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		12/17/13	SES	Bladder	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		10/27/15	SES	Bladder	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
		02/02/16	SES	Bladder	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
		03/29/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.223 J	0.152 U	0.118 U	
		06/15/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U	
MW103 (-67.58 to -77.58) (duplicate) (duplicate)	Alley East of 8th Ave North	07/31/12	SES	Peristaltic	-	-	-	-	-	-	-	12	25	150	10 U	79	
		09/05/12	SES	Peristaltic	-	-	-	0.35 U	1.6	1 U	3 U	8.3	22	80	1 U	110	
		09/05/12	SES	Peristaltic	-	-	-	0.35 U	1.6	1 U	3 U	8.1	22	85	1 U	120	
		12/18/13	SES	Peristaltic	-	-	-	0.35 U	2.4	1 U	3 U	4.3	6.1	8.6	1 U	1.2	
		12/18/13	SES	Peristaltic	-	-	-	0.35 U	2.4	1 U	3 U	4.0	5.2	7.1	1 U	0.94	
		06/17/15	SES	Peristaltic	-	-	-	-	-	-	-	1.8	1.4	1 U	1 U	0.94	
		10/20/15	SES	Peristaltic	-	-	-	-	-	-	-	3.6	1.4	1 U	1 U	1.6	
		02/02/16	SES	Peristaltic	-	-	-	-	-	-	-	1.0	1 U	1.2	1 U	0.53	
		03/29/17	PES	Peristaltic	-	-	-	0.0896 U	0.464 J	0.158 U	0.316 U	1.99 U	23.1	240	0.405 J	157	
		06/14/17	PES	Peristaltic	-	-	-	0.0896 U	0.412	0.158 U	0.316 U	0.626	23.0	120	0.369 J	69.2	
MW104 (-76.32 to -86.32)	8th Ave North ROW	08/16/12	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.2 U	
		09/06/12	SES	Bladder	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		12/17/13	SES	Bladder	-	-	-	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U	
		10/27/15	SES	Peristaltic	-	-	-	-	-	-	-	2.6	4.4	4.3	1 U	0.2 U	
		02/02/16	SES	Bladder	-	-	-	-	-	-	-	1 U	1.2	19	1 U	0.2 U	
		03/30/17	PES	Bladder	-	-	-	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	3.97	0.152 U	0.118 U	
		06/30/17	PES	Bladder	-	-	-	0.387 J	0.903	0.158 U	0.396 J	5.83	5.21	1.54	0.152 U	0.118 U	
MW105	Roy Street ROW	08/16/12	SES	Peristaltic	-	-	-	-	-	-	-	1 U	1 U	1 U	1 U	0.32	

Table F-9

**Groundwater Analytical Data for Deep Water-Bearing Zone Wells
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)											
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
(-85.83 to -95.83)		09/05/12	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.23
		12/29/13	SES	Bladder	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U
		04/12/15	SES	Peristaltic	–	–	–	–	–	–	–	1.2	1.6	1 U	1 U	0.2 U
		06/17/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		10/27/15	SES	Bladder	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		02/03/16	SES	Bladder	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	1.6
		04/21/17	PES	Bladder	–	–	–	0.0896 U	0.544 J	0.158 U	0.316 U	0.199 U	0.153 U	0.155 J	0.152 U	1.95
		06/14/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.356 J	0.180 J	0.152 U	0.514
MW106 (-78.01 to -88.01)	SDOT Property South of Roy St	08/22/12	SES	Bladder	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	1 U
		09/05/12	SES	Bladder	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U
		12/17/13	SES	Bladder	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U
		10/27/15	SES	Bladder	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		02/02/16	SES	Bladder	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
		04/14/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		06/30/17	PES	Bladder	–	–	–	0.0896 U	0.419 J	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW113 (-37.06 to -47.06)	9th Ave North ROW	12/21/12	SES	Peristaltic	–	–	–	–	–	–	–	1.3 i	440	5,500	4.1	150
		12/19/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	13	140	1 U	0.41
		06/25/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	19	670	1 U	17
		10/27/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	4.5	670	1.2	17
		02/03/16	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1.1	1,500	2.2	13
		03/22/17	PES	Peristaltic	–	–	–	2.60	0.412 U	0.158 U	0.316 U	0.199 U	27.1	7,280	25.4	63.5
		06/16/17	PES	Bladder	–	–	–	0.468 J	0.412 U	0.158 U	0.316 U	0.522	148	4,750	28.2	53.3
		MW122 (-74.97 to -88.97)	Alley East of 800 Aloha St	12/23/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U
10/20/15	SES			Peristaltic	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
02/02/16	SES			Peristaltic	–	–	–	–	–	–	–	1 U	1 U	1 U	1 U	0.2 U
03/28/17	PES			Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
06/14/17	PES			Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.162 J	0.0933 U	0.152 U	0.118 U
MW123 (-42.49 to -52.49)	Westlake Ave North ROW	12/23/13	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U
		04/01/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		06/24/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW124 (-53.76 to -63.76) (duplicate)	Valley St ROW	12/26/13	SES	Bladder	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.2 U
		03/29/17	PES	Bladder	–	–	–	0.0896 U	0.785 U	0.158 U	0.316 U	1.60	0.596	0.661	0.152 U	0.118 U
		03/29/17	PES	Bladder	–	–	–	0.0896 U	0.675 U	0.158 U	0.316 U	1.22	0.433	0.600	0.152 U	0.118 U
		06/15/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW128	Westlake Ave North ROW	01/13/14	SES	Peristaltic	–	–	–	0.35 U	1 U	1 U	3 U	1 U	1 U	960 ve	1 U	290 ve
		04/22/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	150	1 U	59
		10/20/15	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	7.0	1 U	95
		02/02/16	SES	Peristaltic	–	–	–	–	–	–	–	1 U	1 U	70	1 U	140
		03/29/17	PES	Peristaltic	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	7.16	0.152 U	72.4
		06/21/17	PES	Bladder	–	–	–	3.84	0.541	0.158 U	0.316 U	0.199 U	0.153 U	109	0.152 U	195
MW-138	Dexter Ave N ROW	09/21/17	PES	Bladder	63.3 J	–	–	0.179 U	2.60	0.316 U	0.632 U	0.398 U	0.306 U	0.187 U	0.304 U	0.236 U
MW-140 (duplicate)	Roy Street ROW	09/22/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.450 J	0.477 J	0.152 U	0.118 U
		09/22/17	PES	Bladder	–	–	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.456 J	0.523	0.152 U	0.118 U
Number of Analytes Analyzed					3	–	–	49	49	49	49	81	81	81	81	81
Number of Analytes Measured					1	–	–	4	13	0	1	20	29	41	10	38
Frequency of Detection					33%	–	–	8%	27%	0%	2%	25%	36%	51%	12%	47%

Table F-9

**Groundwater Analytical Data for Deep Water-Bearing Zone Wells
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																					
					GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC										
				Maximum Detection	63.3	J	–	–	3.84	3.90	–	0.396	J	194	492	7,280	28.2	290	ve							
				Minimum Detection	41.2	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
<p><u>Notes:</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1. Petroleum hydrocarbons analyzed by EPA Method 418.1 NWTPH-HCID, or NWTPH-Gx, NWTPH-Dx or 8015-M</p> <p>2. GRO = gasoline-range organics</p> <p>3. DRO = diesel-range organics</p> <p>4. ORO = oil-range organics</p> <p>5. PCE = perchloroethylene (tetrachloroethene)</p> <p>6. TCE = trichloroethene</p> <p>7. cDCE = cis-1,2-dichloroethene</p> <p>8. tDCE = trans-1,2-dichloroethene</p> <p>9. VC = vinyl chloride</p> </div> <div style="width: 45%;"> <p>10. ROW = right-of-way</p> <p>11. (dup) = duplicate</p> <p>12. SES = SoundEarth Strategies, Inc.</p> <p>13. Farallon = Farallon Consulting, LLC</p> <p>14. – = not analyzed or not measured</p> <p>15. U = not detected at a concentration exceeding laboratory reporting limit</p> <p>16. ND = not detected at a concentration exceeding laboratory reporting limit; detection limit not provided</p> <p>17. Detected results shown in bold, detections above the screening levels highlighted in gray</p> <p>18. ve = estimated value due to the reported range exceeding the calibration range of the analysis</p> <p>19. i = the presence of the analyte indicated may be due to carryover from previous sample injections</p> </div> </div>																										

Table F-10

**Summary of Reconnaissance Groundwater Analytical Data
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sample Interval (FT BTOC)	Color Tec (µg/L)	Analytical Results (micrograms per liter, µg/L)									
						GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Level						800	0.5	72	29	10,000	2.4	1	16	100	0.2
On Property															
B101/MW101	Property (duplicate)	7/11/12	SES	75 to 80							32	1 U	2.9	1 U	0.2 U
		7/11/12	SES	75 to 80							150	6.1	25	1 U	1.1
		7/12/12	SES	95 to 100							3.4	1 U	1 U	1 U	0.2 U
		7/12/12	SES	110 to 120							1 U	1 U	1 U	1 U	0.2 U
		7/12/12	SES	134 to 139							1 U	1 U	1 U	1 U	0.2 U
B-2	Property	6/23/00	Retec	11.5							37,000	600	4,100	250 U	250 U
B-6	Property	6/24/00	Retec	14.5							6,800	54	57	50 U	50 U
B-7	Property	6/24/00	Retec	12.5							21,000	310	880	50 U	50 U
B-8	Property	6/24/00	Retec	8							3,100	50 U	50 U	-	50 U
B-9	Property	6/24/00	Retec	12							120,000	210	270	-	50 U
B-10	Property	6/24/00	Retec	12.5							9,100	1,100	7,600	-	98
DB01	Property	3/18/13	SES	35 to 40							1.4	1 U	2.4	1 U	0.2 U
DB02	Property	3/18/13	SES	39 to 44							140	19	14.0	1 U	0.35
DB03	Property	3/27/13	SES	55 to 60							6,700	420	420	1 U	12
DB04	Property	3/22/13	SES	55 to 60							15	1 U	1 U	1 U	0.2 U
DB05	Property	3/26/13	SES	65 to 70							1,400	11	1.7	1 U	0.2 U
DB05A	Property	3/28/13	SES	40 to 45							230,000	790 ve	42	1 U	1.2
DB06	Property	3/25/13	SES	75 to 80							170	4.4	5.0	1 U	0.2 U
DB07	Property	3/28/13	SES	65 to 80							15,000	1,000 U	1,000 U	1,000 U	200 U
DB08	Property	3/21/13	SES	65 to 70							7,300	1,100	1,300	10 U	38.0
DB09	Property	3/19/13	SES	35 to 40							5,000	400	700	3.1	4.8
		3/19/13	SES	65 to 70							1,900	460	460	1 U	2.3
DB10	Property	3/29/13	SES	35 to 40							200,000	1,700	1,000 U	1,000 U	200 U
		4/1/13	SES	65 to 70							6,900	100 U	100 U	100 U	20 U
DB12	Property	4/3/13	SES	10 to 15							170,000	4,800	3,100	2,000 U	400 U
		4/3/13	SES	40 to 45							46,000	1,100	1,000 U	1,000 U	200 U
DB13	Property	4/3/13	SES	10 to 15							2,500	100	160	1.8	0.2 U
		4/3/13	SES	40 to 45							8,200	800 ve	430 ve	1 U	3.0
DB14	Property	4/4/13	SES	10 to 15							-	-	-	-	-
		4/4/13	SES	40 to 45							470	210	840	100 U	140
IW06	Property	1/15/15	SES	70							1,600	33	73	1 U	2.3
W-MW-04	Property, NE quadrant	1/28/12	WW	10 to 20							19	8.4	37	0.4	37
		1/28/12	WW	30 to 40							2,800	26	47	0.4	12
		1/28/12	WW	50 to 60							12,000	230	270	0.2	3.4
MW-133	Property, SW quadrant	8/15/17	PES	80 to 82	-	2,990 Jz	0.808	774	0.228 J	0.708 J	6,690	797	182	3.00	46.2
		8/15/17	PES	90 to 92	-	2,210 Jz	64.3	711	1.44 J	2.92 J	413	34.4	22.2	0.760 U	1.56 J
B-211	Property, SW quadrant	8/21/17	PES	120 - 122	-	2,880 z	1.65	297	0.557	1.67	19.8	8.34	4.86	0.168 J	0.160 J
B-205	Property, NE quadrant	8/30/17	PES	40 - 42	65,000	6,550 z	8.96 U	55.6	15.8 U	31.6 U	10,300	1,130	5,670	30.1 J	1,010
MW-137	Property, NE quadrant	8/31/17	PES	76 - 78	<3	745	0.658 J	151	0.790 U	1.58 U	0.995 U	0.765 U	4.46	0.760 U	0.590 U

Table F-10

**Summary of Reconnaissance Groundwater Analytical Data
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sample Interval (FT BTOC)	Color Tec (µg/L)	Analytical Results (micrograms per liter, µg/L)									
						GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
				Screening Level		800	0.5	72	29	10,000	2.4	1	16	100	0.2
		8/31/17	PES	76 - 78 (dup)	–	631	0.448 U	105	0.790 U	1.58 U	0.995 U	0.765 U	2.86	0.760 U	0.590 U
		9/1/17	PES	107 - 109	<3	31.6 U	0.0896 U	41.1	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
B-213	Dexter Avenue North	9/6/17	PES	90 - 92	<3	712	3.22	436	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.424
MW-138	Dexter Avenue North	9/14/17	PES	115 - 117	<3	–	0.275 J	10.4	1.58 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW-141	Dexter Avenue North	9/19/17	PES	105 - 107	<3	–	0.286 J	88.5	0.158 J	0.472 J	0.199 U	0.153 U	0.148 J	0.152 U	0.118 U
Off Property															
B102/MW102	Property	7/17/12	SES	25 to 30							5.0	2.5	9.0	1 U	0.84
		7/17/12	SES	25 to 30							1 U	1 U	1 U	1 U	0.2 U
		7/17/12	SES	45 to 50							1 U	1 U	2.4	1 U	0.20
		7/17/12	SES	45 to 50							1 U	1 U	1.2	1 U	0.2 U
		7/19/12	SES	85 to 90							1 U	1 U	1 U	1 U	0.2 U
		7/19/12	SES	85 to 90							1 U	1 U	1 U	1 U	0.2 U
B103/MW103	Alley Between 8th and 9th Ave	7/25/12	SES	20 to 25							1 U	1 U	1 U	1 U	0.2 U
		7/25/12	SES	20 to 25							1 U	1 U	1 U	1 U	0.2 U
		7/25/12	SES	35 to 40							1,800	860	400	2.4	42
		7/25/12	SES	35 to 40							840	350	140	1 U	14
B103/MW103 (continued)		7/26/12	SES	75 to 80							320	62	100	1 U	3.4
		7/26/12	SES	75 to 80							170	50	85	1 U	2.3
B104/MW104	8th Ave ROW	7/31/12	SES	55 to 60							900	150	480	1 U	17
		7/31/12	SES	75 to 80							220	45	180	1 U	6.1
		8/1/12	SES	95 to 100							15	5.3	11	1 U	0.24
B105/MW105	Roy St	8/9/12	SES	75 to 80							1 U	1 U	1 U	1 U	0.2 U
		8/10/12	SES	95 to 100							1 U	1 U	1 U	1 U	0.2 U
B106/MW106	SDOT property south of Roy Street	8/14/12	SES	30 to 35							8.2	1 U	1.0	1 U	0.36
		8/14/12	SES	45 to 50							1,100	110	210	1 U	20
		8/15/12	SES	85 to 90							19	2.3	9.7	1 U	0.62
B122/MW122	Alley East of 800 Aloha St	12/17/13	SES	25							1 U	1 U	1 U	1 U	0.2 U
		12/17/13	SES	40							1 U	1 U	120	1 U	14
		12/17/13	SES	85							1 U	1 U	1 U	1 U	0.72
B124/MW124	Valley St ROW	12/19/13	SES	45							1 U	1 U	1 U	1 U	0.2 U
		12/19/13	SES	60							1 U	1 U	1 U	1 U	0.2 U
		12/19/13	SES	100							1 U	1 U	1 U	1 U	0.2 U
B126/MW126	Alley E of 800 Aloha St	12/30/13	SES	40							1 U	1 U	1 U	1 U	0.2 U
CHB-07	Westlake Ave N ROW	4/14/08	CH2M	–							0.2 U	0.2 U	480	1.8	220
CHB-08	9th Ave N ROW	4/15/08	CH2M	–							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
CHB-09	9th Ave N ROW	4/16/08	CH2M	–							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
RS-20	800 Aloha Street Parcel	3/5/93	EPJ	–							5 U	–	–	–	–
SCL-B101	800 Aloha Street Parcel	6/17/02	Urban	–							1 U	1 U	1 U	1 U	1.0 U
SCL-B102	800 Aloha Street Parcel	6/17/02	Urban	–							1 U	1 U	1 U	1 U	1.0 U
W-MW-02	8th Ave ROW	1/30/12	WW	10 to 20							1.6	1.4	8.0	0.3	0.3
		1/30/12	WW	30 to 40							24,000	940	1,700	13 J	70
		1/30/12	WW	50 to 60							7,200	1,300	1,800	20 U	85

Table F-10

**Summary of Reconnaissance Groundwater Analytical Data
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Area Location	Sample Date	Sampled By	Sample Interval (FT BTOC)	Color Tec (µg/L)	Analytical Results (micrograms per liter, µg/L)									
						GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Level						800	0.5	72	29	10,000	2.4	1	16	100	0.2
<p><u>Notes:</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>1. Petroleum hydrocarbons analyzed by EPA Method 418.1 or 8015-M, NWTPH-HCID, or NWTPH-Gx, NWTPH-Dx</p> <p>4. GRO = gasoline-range organics</p> <p>5. DRO = diesel-range organics</p> <p>6. ORO = oil-range organics</p> <p>7. PCE = perchloroethylene (tetrachloroethene)</p> <p>8. TCE = trichloroethene</p> <p>9. cDCE = cis-1,2-dichloroethene</p> <p>10. tDCE = trans-1,2-dichloroethene</p> <p>11. VC = vinyl chloride</p> <p>12. ROW = right-of-way</p> <p>13. (dup) = duplicate</p> </div> <div style="width: 30%;"> <p>14. SES = SoundEarth Strategies, Inc.</p> <p>15. B&V = Black & Veatch</p> <p>16. Farallon = Farallon Consulting, LLC</p> <p>17. Retec = Remediation Technologies, Inc.</p> <p>18. CH2M = CH2M HILL</p> <p>19. EPJ = E.P. Johnson Construction Inc., and Environmental</p> <p>20. Urban = Urban Redevelopment</p> <p>21. HC = Hart Crowser, Inc.</p> <p>22. -- = not analyzed or not measured</p> <p>23. U = not detected at a concentration exceeding laboratory reporting limit</p> <p>24. ND = not detected at a concentration exceeding laboratory reporting limit; detection limit not provided</p> </div> <div style="width: 30%;"> <p>25. Detected results shown in bold, detections above the screening levels highlighted in gray</p> <p>26. i = The presence of the analyte indicated may be due to carryover from previous sample injections.</p> <p>27. ve = Estimated value. The reported range exceeds the calibration range of the analysis.</p> <p>28. ^a = Sample extremely turbid; held at lab</p> <p>29. ^b = Insufficient groundwater volume for laboratory analysis; ColorTec test run instead</p> <p>30. z = No/low level gasoline/petroleum detection; result is likely elevated due to high detections of CVOCs</p> </div> </div>															

Table F-11

**Groundwater Analytical Results for Polycyclic Aromatic Hydrocarbons
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample Date	Sampled By	Laboratory	Analytical Results (micrograms per liter)																	
				Acenaphthene	Acenaphthylene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Pentachlorophenol	Benzo(a)anthracene	Chrysene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Indeno(1,2,3-)pyrene	Dibenz(a,h)anthracene	Total TEC	
800 Aloha Street Parcel																					
MW-7	06/20/02	Urban	F&BI	1.4	0.1	1.5	2.8	0.5	0.4	0.6	0.5	0.3 U	0.1	0.1	0.1	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-9	06/20/02	Urban	F&BI	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-10	06/20/02	Urban	F&BI	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
TEF				-	-	-	-	-	-	-	-	-	0.1	0.01	1	0.1	0.1	0.1	0.1	0.1	-
MTCA Cleanup Level				960(3) U	NE	640(3)	NE	4,800(3)	640(3)	480(3)	NE	0.22(4)	0.12(4)	12(4)	0.1(5)	0.12(4)	1.2(4)	0.12(4)	0.012(4)	0.1(5)(6)	
<u>Notes:</u>				<u>Abbreviations:</u>									<u>Laboratory and Results Notes:</u>								
PAHs analyzed by U.S. Environmental Protection Agency Method 8270D				Urban = Urban Redevelopment LLC									Detected results shown in bold, detections exceeding MTCA Cleanup Level highlighted in gray								
The concentration of each of the seven cPAHs listed in table 708-2 (under WAC 173-340-900) is multiplied by its corresponding TEF (total equivalency factor). The sum of these seven factors equal the total TEC (toxicity equivalent concentration). When the analytical result for any individual cPAH is reported as less than the LRL, half of the LRL is used as the concentrations for the calculation. When analytical results for all seven cPAHs are less than the LRL, the LRL for benzo(a)pyrene is reported as the TEC. The resultant total TEC concentration is then compared to the cleanup level for benzo(a)pyrene.				F&BI = Friedman & Bruya, Inc. of Seattle, Washington									U = not detected at a concentration exceeding the laboratory reporting limit								
(3) CLARC, Groundwater, Method B, Non Cancer, CLARC website - < https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx >. Revised May 2014.				NE = not established									- = not analyzed or not measured								
(4) CLARC, Groundwater, Method B, Cancer, CLARC website - < https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx >. Revised May 2014.				CLARC = cleanup levels and risk calculations																	
(5) MTCA Method A Cleanup Levels, Table 720-1, Section 900, Chapter 173-340 of WAC, revised November 2007.				MTCA = Washington State Model Toxics Control Act																	
(6) The cleanup level for cPAHs is based on direct contact using Equation 740-2 under WAC 173-340-740. When establishing and determining compliance with cleanup levels for mixtures of cPAHs, the mixture of cPAHs is considered a single hazardous substance. Benzo(a)pyrene's cleanup level is used as the cleanup level for the mixture.				WAC = Washington Administrative Code																	
				cPAH = carcinogenic polycyclic aromatic hydrocarbon																	

Table F-12

**Process Water Analytical Results
Former American Linen Supply
700 Dexter Avenue North Seattle, Washington**

Sample Location	Sample ID	Sample Date	Analytical Results (micrograms per liter)												
			pH	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	1,1-DCE	DCM	
Sump 4	SUMP4_A_20110629	6/29/11	-	35 U	100 U	100 U	300 U	20000	450	47000	100 U	20 U	100 U	500 U	
Effluent 1	Effluent1_20120104	1/4/12	5.76	-	-	-	-	260	49	32	1 U	0.37	1 U	5 U	
Poly Tank	Polytank1_20120823	8/23/13	-	-	-	-	-	270	1 U	1 U	1 U	0.2 Upr	1 U	5 U	
	Tank-20130201	2/1/13	-	-	-	-	-	240	1 U	1 U	1 U	0.2 U	1 U	5 U	
	Tank-20130205	2/5/13	-	-	-	-	-	5.3	1 U	1 U	1 U	0.2 U	1 U	5 U	
King County Discharge Criteria			5.5<pH>12(3)	70(4)	1,400(4)	1,700(4)	2,200(4)	240(4)	500(4)	2,000(4)	2,000(4)	12(4)	3(4)	4,100(4)	
<p>Notes:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>1. Chemical analyses conducted by Freidman & Bruya Inc., of Seattle, Washington.</p> <p>2. VOCs Analyzed by U.S. Environmental Protection Agency Method 8260C.</p> <p>3. pH analyzed be EPA Method 9040C.</p> <p>4. PCE = perchloroethylene (tetrachloroethene)</p> <p>5. TCE = trichloroethylene</p> <p>6. cDCE = cis-1,2-dichloroethene</p> <p>7. tDCE = trans-1,2-dichloroethene</p> <p>8. VC = vinyl chloride</p> <p>9. 1,1-DCE = 1,1-Dichloroethene</p> </div> <div style="width: 48%;"> <p>10. DCM = dichlormethane (or methylene chloride)</p> <p>11. Detected results shown in bold, detections exceeding King County's Discharge Criteria highlighted in gray</p> <p>12. - = not analyzed or not measured</p> <p>13. U = not detected at a concentration exceeding the laboratory reporting limit</p> <p>14. pr = The sample was received with incorrect preservation. The value reported should be considered an estimate.</p> <p>15. (3)King County Industrial Waste Local Discharge Permits, Daily Minimum and Maximum Limits for Corrosive Substances, Section 6.1.5 of PUT-13-1 (PR), Effective September 15, 2008.</p> <p>16. (4)King County Industrial Waste Discharge Screening Levels for Volatile Organic Compounds, September 22, 2009.</p> </div> </div>															

Table F-13

**Soil Vapor Analytical Results
Former American Linen Supply
700 Dexter Avenue North Seattle, Washington**

Sample Location	Sample Name	Sample Location	Sample Date	Analytical Results (micrograms per cubic meter)					
				PCE	TCE	cDCE	tDCE	VC	
SV01	SV01-20130311	SV01	03/05/13	1.5	0.16 U	0.31	0.58 U	0.71	
SV02	SV02-20130311	SV02	03/05/13	2.3	0.17 U	0.12 U	0.61 U	0.04	U
SV03	SV03-20130311	SV03	03/05/13	4.6	0.39	0.12 U	0.58 U	0.037	U
MTCA Method B Soil Gas Screening Level(2)				320	12	–	–	9.3	
<p>Notes:</p> <p>1. Laboratory analyses conducted by Air Toxics Ltd. of Folsom, California.</p> <p>2. VOCs analyzed by U.S. Environmental Protection Agency Method Modified TO-15 Low Level Analysis.</p> <p>3. PCE = perchloroethylene (tetrachloroethene)</p> <p>4. TCE = trichloroethylene</p> <p>5. cDCE = cis-1,2-dichloroethene</p> <p>6. tDCE = trans-1,2-dichloroethene</p> <p>7. VC = vinyl chloride</p> <p>8. Detected results shown in bold, detections exceeding MTCA Cleanup Levels highlighted in gray</p> <p>9. U = not detected at a concentration exceeding laboratory reporting limit</p> <p>10. (2) Calculated by dividing the indoor air cleanup level by an attenuation factor of 0.1, for soil vapor just beneath a building, as specified in Table B-1, Ecology's Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State, October 2009.</p> <p>11. (3)MTCA Method B Indoor Air Cleanup Level, Carcinogen, CLARC database, September 2012.</p> <p>12. MTCA = Washington State Model Toxics Control Act</p> <p>13. CLARC = cleanup levels and risk calculations</p> <p>14. – = screening level not established</p>									

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-205 (63 feet bgs)		B-206 (47 feet bgs)		
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	
Coarse Gravel	1"	2.5002	0.0000	-	0.0000	-	
Fine Gravel	1/2"	1.2501	0.0000	0.00000	0.0224	0.01355	
	3/8"	0.9500	0.0000	0.00000	0.0221	0.02082	
	1/4"	0.6351	0.0034	0.00455	0.0108	0.01445	
	4,757 (No. 4)	0.4757	0.0092	0.01720	0.0118	0.02206	
Coarse Sand	3,364 (No. 6)	0.3364	0.0053	0.01368	0.0151	0.03898	
	2,000 (No. 10)	0.2000	0.0078	0.03156	0.0176	0.07121	
Medium Sand	1414 (No. 14)	0.1414	0.0038	0.02332	0.0129	0.07915	
	1000 (No. 18)	0.1000	0.0059	0.05118	0.0187	0.16220	
	707 (No. 25)	0.0707	0.0135	0.16555	0.0339	0.41571	
	500 (No. 35)	0.0500	0.0351	0.60849	0.0469	0.81306	
	420 (No. 40)	0.0420	0.0200	0.44240	0.0246	0.54415	
Fine Sand	354 (No. 45)	0.0354	0.0364	0.95643	0.0525	1.37946	
	250 (No. 60)	0.0250	0.1109	3.84025	0.0998	3.45588	
	177 (No. 80)	0.0177	0.1207	5.90739	0.0657	3.21554	
	125 (No. 120)	0.0125	0.1108	7.66826	0.0942	6.51941	
	74 (No. 200)	0.0074	0.1328	14.44952	0.1007	10.95683	
Silt and Clay	53 (No. 270)	0.0053	0.1280	20.99405	0.1222	20.04276	
	37 (No. 400)	0.0037	0.0965	22.43055	0.0844	19.61801	
	25	0.0025	0.0533	18.09968	0.0479	16.25578	
	15.6	0.00156	0.0533	28.07513	0.0479	25.21498	
	5	0.0005	0.0533	66.84813	0.0479	60.03797	
Sum			1.00	190.627	1.00	168.892	
Estimated Maximum k (cm/sec)				2.62E-03		3.33E-03	
Estimated Median k (cm/sec)				1.12E-03		1.43E-03	
Estimated Minimum k (cm/sec)				3.71E-04		4.73E-04	
% Gravel			1.3		6.7		
% Sand			60.3		58.3		
% Silt and Clay			38.5		35.0		
Notes:							
1. Kozeny-Carman Equation:							
$k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$							
where Θ = total porosity							
1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica							
Kozeny-Carmon coefficient (1/cm-sec							
f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless)							
d_{li} = diameter of larger sieve in pair (cm)							
d_{si} = diameter of smaller sieve in pair (cm)							
SF = grain shape factor (dimensionless)							
2. Frac retained = fraction (by weight) retained on screen							
3. Estimated shape factors:							
						Rounded	6.1
						Median	6.25
						Worn	6.4
4. Estimated porosities:							
						Maximum	0.40
						Median	0.33
						Minimum	0.25

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-207 (50 feet bgs)		B-208 (56 - 57 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	½"	1.2501	0.1085	0.06561	0.0000	0.00000												
	¾"	0.9500	0.0089	0.00838	0.0253	0.02383												
	¼"	0.6351	0.0107	0.01431	0.0173	0.02314												
	4,757 (No. 4)	0.4757	0.0053	0.00991	0.0056	0.01047												
Coarse Sand	3,364 (No. 6)	0.3364	0.0101	0.02607	0.0092	0.02375												
	2,000 (No. 10)	0.2000	0.0126	0.05098	0.0149	0.06029												
Medium Sand	1414 (No. 14)	0.1414	0.0082	0.05031	0.0103	0.06320												
	1000 (No. 18)	0.1000	0.0099	0.08587	0.0161	0.13965												
	707 (No. 25)	0.0707	0.0178	0.21828	0.0290	0.35563												
	500 (No. 35)	0.0500	0.0315	0.54608	0.0564	0.97775												
	420 (No. 40)	0.0420	0.0378	0.83613	0.0491	1.08609												
Fine Sand	354 (No. 45)	0.0354	0.0311	0.81717	0.0439	1.15349												
	250 (No. 60)	0.0250	0.1098	3.80216	0.1267	4.38738												
	177 (No. 80)	0.0177	0.0971	4.75234	0.0691	3.38194												
	125 (No. 120)	0.0125	0.1020	7.05923	0.1096	7.58522												
	74 (No. 200)	0.0074	0.0797	8.67189	0.0883	9.60763												
Silt and Clay	53 (No. 270)	0.0053	0.0997	16.35240	0.0992	16.27039												
	37 (No. 400)	0.0037	0.0799	18.57203	0.0894	20.78022												
	25	0.0025	0.0464	15.74672	0.0470	15.93903												
	15.6	0.00156	0.0464	24.42537	0.0470	24.72366												
	5	0.0005	0.0464	58.15787	0.0470	58.86813												
Sum			1.00	160.269	1.00	165.461												
Estimated Maximum k (cm/sec)				3.70E-03		3.47E-03												
Estimated Median k (cm/sec)				1.59E-03		1.49E-03												
Estimated Minimum k (cm/sec)				5.25E-04		4.93E-04												
% Gravel			13.3		4.8													
% Sand			54.8		62.3													
% Silt and Clay			31.9		33.0													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless)</p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table border="0"> <tr> <td>Rounded</td> <td>6.1</td> </tr> <tr> <td>Median</td> <td>6.25</td> </tr> <tr> <td>Worn</td> <td>6.4</td> </tr> </table> <p>4. Estimated porosities:</p> <table border="0"> <tr> <td>Maximum</td> <td>0.40</td> </tr> <tr> <td>Median</td> <td>0.33</td> </tr> <tr> <td>Minimum</td> <td>0.25</td> </tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
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Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-209 (57 feet bgs)		B-210 (59 - 60 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	1/2"	1.2501	0.0000	0.00000	0.0378	0.02286												
	3/8"	0.9500	0.0216	0.02035	0.0172	0.01620												
	1/4"	0.6351	0.0132	0.01766	0.0108	0.01445												
	4,757 (No. 4)	0.4757	0.0057	0.01065	0.0036	0.00673												
Coarse Sand	3,364 (No. 6)	0.3364	0.0056	0.01446	0.0016	0.00413												
	2,000 (No. 10)	0.2000	0.0154	0.06231	0.0047	0.01902												
Medium Sand	1414 (No. 14)	0.1414	0.0112	0.06872	0.0024	0.01473												
	1000 (No. 18)	0.1000	0.0155	0.13445	0.0050	0.04337												
	707 (No. 25)	0.0707	0.0265	0.32497	0.0090	0.11037												
	500 (No. 35)	0.0500	0.0392	0.67957	0.0246	0.42646												
	420 (No. 40)	0.0420	0.0436	0.96443	0.0293	0.64811												
Fine Sand	354 (No. 45)	0.0354	0.0358	0.94066	0.0248	0.65163												
	250 (No. 60)	0.0250	0.1037	3.59093	0.1053	3.64634												
	177 (No. 80)	0.0177	0.0893	4.37059	0.0801	3.92031												
	125 (No. 120)	0.0125	0.0910	6.29794	0.1150	7.95894												
	74 (No. 200)	0.0074	0.0807	8.78070	0.0864	9.40090												
Silt and Clay	53 (No. 270)	0.0053	0.1255	20.58401	0.1236	20.27238												
	37 (No. 400)	0.0037	0.0944	21.94242	0.0991	23.03489												
	25	0.0025	0.0607	20.58839	0.0732	24.84181												
	15.6	0.00156	0.0607	31.93546	0.0732	38.53312												
	5	0.0005	0.0607	76.03974	0.0732	91.74905												
Sum			1.00	197.368	1.00	225.336												
Estimated Maximum k (cm/sec)				2.44E-03		1.87E-03												
Estimated Median k (cm/sec)				1.05E-03		8.03E-04												
Estimated Minimum k (cm/sec)				3.46E-04		2.66E-04												
% Gravel			4.1		6.9													
% Sand			55.8		48.8													
% Silt and Clay			40.2		44.2													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless) </p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table style="margin-left: 400px;"> <tr><td>Rounded</td><td>6.1</td></tr> <tr><td>Median</td><td>6.25</td></tr> <tr><td>Worn</td><td>6.4</td></tr> </table> <p>4. Estimated porosities:</p> <table style="margin-left: 400px;"> <tr><td>Maximum</td><td>0.40</td></tr> <tr><td>Median</td><td>0.33</td></tr> <tr><td>Minimum</td><td>0.25</td></tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
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Median	0.33																	
Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-211 (83 feet bgs)		B-213 (99 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	½"	1.2501	0.0161	0.00974	0.0193	0.01167												
	¾"	0.9500	0.0100	0.00942	0.0000	0.00000												
	¼"	0.6351	0.0067	0.00896	0.0000	0.00000												
	4,757 (No. 4)	0.4757	0.0209	0.03906	0.0117	0.02187												
Coarse Sand	3,364 (No. 6)	0.3364	0.0110	0.02840	0.0067	0.01730												
	2,000 (No. 10)	0.2000	0.0166	0.06717	0.0140	0.05665												
Medium Sand	1414 (No. 14)	0.1414	0.0290	0.17794	0.0135	0.08283												
	1000 (No. 18)	0.1000	0.0855	0.74163	0.0335	0.29058												
	707 (No. 25)	0.0707	0.2184	2.67823	0.0921	1.12942												
	500 (No. 35)	0.0500	0.2392	4.14676	0.1702	2.95058												
	420 (No. 40)	0.0420	0.0654	1.44664	0.1217	2.69199												
Fine Sand	354 (No. 45)	0.0354	0.1055	2.77206	0.0884	2.32275												
	250 (No. 60)	0.0250	0.0733	2.53824	0.1524	5.27732												
	177 (No. 80)	0.0177	0.0133	0.65094	0.0185	0.90544												
	125 (No. 120)	0.0125	0.0350	2.42229	0.0842	5.82733												
	74 (No. 200)	0.0074	0.0109	1.18599	0.0233	2.53520												
Silt and Clay	53 (No. 270)	0.0053	0.0198	3.24752	0.0448	7.34792												
	37 (No. 400)	0.0037	0.0069	1.60384	0.0251	5.83427												
	25	0.0025	0.0055	1.85522	0.0269	9.12903												
	15.6	0.00156	0.0055	2.87770	0.0269	14.16040												
	5	0.0005	0.0055	6.85193	0.0269	33.71652												
Sum			1.00	35.360	1.00	94.309												
Estimated Maximum k (cm/sec)				7.60E-02		1.07E-02												
Estimated Median k (cm/sec)				3.26E-02		4.59E-03												
Estimated Minimum k (cm/sec)				1.08E-02		1.52E-03												
% Gravel			5.4		3.1													
% Sand			90.3		81.9													
% Silt and Clay			4.3		15.1													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless)</p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table style="margin-left: 200px;"> <tr><td>Rounded</td><td>6.1</td></tr> <tr><td>Median</td><td>6.25</td></tr> <tr><td>Worn</td><td>6.4</td></tr> </table> <p>4. Estimated porosities:</p> <table style="margin-left: 200px;"> <tr><td>Maximum</td><td>0.40</td></tr> <tr><td>Median</td><td>0.33</td></tr> <tr><td>Minimum</td><td>0.25</td></tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
Worn	6.4																	
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Median	0.33																	
Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-216 (77 feet bgs)		B-217 (97 - 99 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	-	0.0000	-												
Fine Gravel	1/2"	1.2501	0.0000	0.00000	0.2494	0.15081												
	3/8"	0.9500	0.0066	0.00622	0.0000	0.00000												
	1/4"	0.6351	0.0131	0.01752	0.0517	0.06915												
	4,757 (No. 4)	0.4757	0.0091	0.01701	0.0195	0.03645												
Coarse Sand	3,364 (No. 6)	0.3364	0.0025	0.00645	0.0124	0.03201												
	2,000 (No. 10)	0.2000	0.0109	0.04410	0.0253	0.10237												
Medium Sand	1414 (No. 14)	0.1414	0.0099	0.06074	0.0245	0.15033												
	1000 (No. 18)	0.1000	0.0139	0.12057	0.0441	0.38252												
	707 (No. 25)	0.0707	0.0251	0.30780	0.0742	0.90991												
	500 (No. 35)	0.0500	0.0375	0.65010	0.1594	2.76335												
	420 (No. 40)	0.0420	0.0350	0.77420	0.0823	1.82047												
Fine Sand	354 (No. 45)	0.0354	0.0309	0.81191	0.0436	1.14561												
	250 (No. 60)	0.0250	0.1635	5.66169	0.0681	2.35817												
	177 (No. 80)	0.0177	0.1164	5.69693	0.0153	0.74882												
	125 (No. 120)	0.0125	0.1125	7.78592	0.0394	2.72680												
	74 (No. 200)	0.0074	0.0922	10.03197	0.0216	2.35022												
Silt and Clay	53 (No. 270)	0.0053	0.0948	15.54872	0.0212	3.47714												
	37 (No. 400)	0.0037	0.0976	22.68623	0.0141	3.27742												
	25	0.0025	0.0429	14.54762	0.0113	3.82356												
	15.6	0.00156	0.0429	22.56539	0.0113	5.93087												
	5	0.0005	0.0429	53.72918	0.0113	14.12167												
Sum			1.00	161.070	1.00	46.378												
Estimated Maximum k (cm/sec)				3.66E-03		4.42E-02												
Estimated Median k (cm/sec)				1.57E-03		1.90E-02												
Estimated Minimum k (cm/sec)				5.20E-04		6.27E-03												
% Gravel			2.9		32.1													
% Sand			65.0		61.0													
% Silt and Clay			32.1		6.9													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless) </p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table border="0"> <tr> <td align="right">Rounded</td> <td>6.1</td> </tr> <tr> <td align="right">Median</td> <td>6.25</td> </tr> <tr> <td align="right">Worn</td> <td>6.4</td> </tr> </table> <p>4. Estimated porosities:</p> <table border="0"> <tr> <td align="right">Maximum</td> <td>0.40</td> </tr> <tr> <td align="right">Median</td> <td>0.33</td> </tr> <tr> <td align="right">Minimum</td> <td>0.25</td> </tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
Worn	6.4																	
Maximum	0.40																	
Median	0.33																	
Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	B-219 (73 feet bgs)		MW-132 (53 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	1/2"	1.2501	0.0000	0.00000	0.0298	0.01802												
	3/8"	0.9500	0.0214	0.02016	0.0000	0.00000												
	1/4"	0.6351	0.0085	0.01137	0.0037	0.00495												
	4,757 (No. 4)	0.4757	0.0115	0.02149	0.0103	0.01925												
Coarse Sand	3,364 (No. 6)	0.3364	0.0142	0.03666	0.0116	0.02995												
	2,000 (No. 10)	0.2000	0.0254	0.10277	0.0309	0.12502												
Medium Sand	1414 (No. 14)	0.1414	0.0156	0.09572	0.0186	0.11412												
	1000 (No. 18)	0.1000	0.0268	0.23246	0.0390	0.33829												
	707 (No. 25)	0.0707	0.0539	0.66097	0.0657	0.80568												
	500 (No. 35)	0.0500	0.0756	1.31060	0.0863	1.49609												
	420 (No. 40)	0.0420	0.0836	1.84922	0.0352	0.77862												
Fine Sand	354 (No. 45)	0.0354	0.0559	1.46880	0.0693	1.82089												
	250 (No. 60)	0.0250	0.1211	4.19346	0.1047	3.62556												
	177 (No. 80)	0.0177	0.0550	2.69185	0.0485	2.37372												
	125 (No. 120)	0.0125	0.1186	8.20809	0.0986	6.82393												
	74 (No. 200)	0.0074	0.0799	8.69365	0.0897	9.75996												
Silt and Clay	53 (No. 270)	0.0053	0.0721	11.82555	0.0726	11.90756												
	37 (No. 400)	0.0037	0.0609	14.15565	0.0519	12.06368												
	25	0.0025	0.0333	11.28968	0.0445	15.11323												
	15.6	0.00156	0.0333	17.51186	0.0445	23.44274												
	5	0.0005	0.0333	41.69652	0.0445	55.81819												
Sum			1.00	126.077	1.00	146.479												
Estimated Maximum k (cm/sec)				5.98E-03		4.43E-03												
Estimated Median k (cm/sec)				2.57E-03		1.90E-03												
Estimated Minimum k (cm/sec)				8.49E-04		6.29E-04												
% Gravel			4.1		4.4													
% Sand			72.6		69.8													
% Silt and Clay			23.3		25.8													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec) f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless)</p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table style="margin-left: 40px;"> <tr><td>Rounded</td><td>6.1</td></tr> <tr><td>Median</td><td>6.25</td></tr> <tr><td>Worn</td><td>6.4</td></tr> </table> <p>4. Estimated porosities:</p> <table style="margin-left: 40px;"> <tr><td>Maximum</td><td>0.40</td></tr> <tr><td>Median</td><td>0.33</td></tr> <tr><td>Minimum</td><td>0.25</td></tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
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Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	MW-133 (106 feet bgs)		MW-135 (50 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0906	—	0.0000	—												
Fine Gravel	1/2"	1.2501	0.2316	0.14005	0.0000	0.00000												
	3/8"	0.9500	0.0568	0.05351	0.0192	0.01809												
	1/4"	0.6351	0.0844	0.11289	0.0223	0.02983												
	4,757 (No. 4)	0.4757	0.0595	0.11121	0.0182	0.03402												
Coarse Sand	3,364 (No. 6)	0.3364	0.0660	0.17038	0.0198	0.05111												
	2,000 (No. 10)	0.2000	0.0800	0.32369	0.0462	0.18693												
Medium Sand	1414 (No. 14)	0.1414	0.0393	0.24113	0.0361	0.22150												
	1000 (No. 18)	0.1000	0.0326	0.28277	0.0574	0.49789												
	707 (No. 25)	0.0707	0.0310	0.38015	0.0768	0.94180												
	500 (No. 35)	0.0500	0.0252	0.43687	0.0898	1.55677												
	420 (No. 40)	0.0420	0.0076	0.16811	0.0632	1.39798												
Fine Sand	354 (No. 45)	0.0354	0.0206	0.54127	0.0520	1.36632												
	250 (No. 60)	0.0250	0.0371	1.28470	0.1007	3.48705												
	177 (No. 80)	0.0177	0.0108	0.52858	0.0478	2.33946												
	125 (No. 120)	0.0125	0.0364	2.51918	0.0871	6.02803												
	74 (No. 200)	0.0074	0.0247	2.68752	0.0734	7.98641												
Silt and Clay	53 (No. 270)	0.0053	0.0176	2.88668	0.0587	9.62774												
	37 (No. 400)	0.0037	0.0128	2.97524	0.0390	9.06519												
	25	0.0025	0.0118	4.01587	0.0307	10.42994												
	15.6	0.00156	0.0118	6.22917	0.0307	16.17830												
	5	0.0005	0.0118	14.83193	0.0307	38.52123												
Sum			1.00	40.921	1.00	109.966												
Estimated Maximum k (cm/sec)				5.68E-02		7.86E-03												
Estimated Median k (cm/sec)				2.44E-02		3.37E-03												
Estimated Minimum k (cm/sec)				8.06E-03		1.12E-03												
% Gravel			52.3		6.0													
% Sand			41.1		75.0													
% Silt and Clay			6.6		19.0													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless) </p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table style="margin-left: 400px;"> <tr><td>Rounded</td><td>6.1</td></tr> <tr><td>Median</td><td>6.25</td></tr> <tr><td>Worn</td><td>6.4</td></tr> </table> <p>4. Estimated porosities:</p> <table style="margin-left: 400px;"> <tr><td>Maximum</td><td>0.40</td></tr> <tr><td>Median</td><td>0.33</td></tr> <tr><td>Minimum</td><td>0.25</td></tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
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Median	0.33																	
Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	MW-137 (115 feet bgs)		MW-138 (65 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	½"	1.2501	0.0554	0.03350	0.0467	0.02824												
	¾"	0.9500	0.0090	0.00848	0.0113	0.01065												
	¼"	0.6351	0.0337	0.04508	0.0178	0.02381												
	4,757 (No. 4)	0.4757	0.0137	0.02561	0.0204	0.03813												
Coarse Sand	3,364 (No. 6)	0.3364	0.0107	0.02762	0.0243	0.06273												
	2,000 (No. 10)	0.2000	0.0215	0.08699	0.0307	0.12422												
Medium Sand	1414 (No. 14)	0.1414	0.0187	0.11474	0.0247	0.15155												
	1000 (No. 18)	0.1000	0.0258	0.22379	0.0291	0.25241												
	707 (No. 25)	0.0707	0.0536	0.65729	0.0444	0.54448												
	500 (No. 35)	0.0500	0.1169	2.02657	0.0696	1.20658												
	420 (No. 40)	0.0420	0.1216	2.68978	0.0466	1.03079												
Fine Sand	354 (No. 45)	0.0354	0.1293	3.39742	0.0541	1.42150												
	250 (No. 60)	0.0250	0.2037	7.05374	0.1479	5.12149												
	177 (No. 80)	0.0177	0.0291	1.42423	0.1077	5.27113												
	125 (No. 120)	0.0125	0.0509	3.52270	0.0931	6.44328												
	74 (No. 200)	0.0074	0.0338	3.67767	0.0629	6.84394												
Silt and Clay	53 (No. 270)	0.0053	0.0245	4.01839	0.0696	11.41551												
	37 (No. 400)	0.0037	0.0140	3.25417	0.0448	10.41335												
	25	0.0025	0.0114	3.86881	0.0181	6.14258												
	15.6	0.00156	0.0114	6.00106	0.0181	9.52800												
	5	0.0005	0.0114	14.28879	0.0181	22.68658												
Sum			1.00	56.446	1.00	88.761												
Estimated Maximum k (cm/sec)				2.98E-02		1.21E-02												
Estimated Median k (cm/sec)				1.28E-02		5.18E-03												
Estimated Minimum k (cm/sec)				4.24E-03		1.71E-03												
% Gravel			11.2		9.6													
% Sand			81.6		73.5													
% Silt and Clay			7.3		16.9													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless)</p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table style="margin-left: 200px;"> <tr><td>Rounded</td><td>6.1</td></tr> <tr><td>Median</td><td>6.25</td></tr> <tr><td>Worn</td><td>6.4</td></tr> </table> <p>4. Estimated porosities:</p> <table style="margin-left: 200px;"> <tr><td>Maximum</td><td>0.40</td></tr> <tr><td>Median</td><td>0.33</td></tr> <tr><td>Minimum</td><td>0.25</td></tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
Worn	6.4																	
Maximum	0.40																	
Median	0.33																	
Minimum	0.25																	

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	MW-138 (115 feet bgs)		MW-139 (80 feet bgs)	
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$
Coarse Gravel	1"	2.5002	0.0000	-	0.0000	-
Fine Gravel	1/2"	1.2501	0.1147	0.06936	0.0000	0.00000
	3/8"	0.9500	0.0404	0.03806	0.0000	0.00000
	1/4"	0.6351	0.0177	0.02367	0.0000	0.00000
	4,757 (No. 4)	0.4757	0.0245	0.04579	0.0032	0.00598
Coarse Sand	3,364 (No. 6)	0.3364	0.0161	0.04156	0.0019	0.00490
	2,000 (No. 10)	0.2000	0.0256	0.10358	0.0040	0.01618
Medium Sand	1414 (No. 14)	0.1414	0.0238	0.14603	0.0031	0.01902
	1000 (No. 18)	0.1000	0.0429	0.37211	0.0085	0.07373
	707 (No. 25)	0.0707	0.0787	0.96510	0.0403	0.49420
	500 (No. 35)	0.0500	0.1212	2.10112	0.1556	2.69747
	420 (No. 40)	0.0420	0.0895	1.97973	0.1689	3.73605
Fine Sand	354 (No. 45)	0.0354	0.0909	2.38844	0.1299	3.41318
	250 (No. 60)	0.0250	0.1487	5.14920	0.1631	5.64784
	177 (No. 80)	0.0177	0.0264	1.29209	0.0491	2.40309
	125 (No. 120)	0.0125	0.0356	2.46381	0.0594	4.11097
	74 (No. 200)	0.0074	0.0314	3.41653	0.0434	4.72221
Silt and Clay	53 (No. 270)	0.0053	0.0264	4.33002	0.0484	7.93837
	37 (No. 400)	0.0037	0.0118	2.74280	0.0377	8.76302
	25	0.0025	0.0113	3.83487	0.0279	9.45708
	15.6	0.00156	0.0113	5.94842	0.0279	14.66926
	5	0.0005	0.0113	14.16345	0.0279	34.92815
Sum			1.00	51.616	1.00	103.101
Estimated Maximum k (cm/sec)				3.57E-02		8.94E-03
Estimated Median k (cm/sec)				1.53E-02		3.84E-03
Estimated Minimum k (cm/sec)				5.07E-03		1.27E-03
% Gravel			19.7		0.3	
% Sand			73.1		82.7	
% Silt and Clay			7.2		17.0	
Notes:						
1. Kozeny-Carman Equation:						
$k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$						
where Θ = total porosity						
1.99 x 10 ⁴ = constant incorporating unit weight and viscosity of water and the empirica						
Kozeny-Carmon coefficient (1/cm-sec						
f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless)						
d_{li} = diameter of larger sieve in pair (cm)						
d_{si} = diameter of smaller sieve in pair (cm)						
SF = grain shape factor (dimensionless)						
2. Frac retained = fraction (by weight) retained on screen						
3. Estimated shape factors:						
						Rounded 6.1
						Median 6.25
						Worn 6.4
4. Estimated porosities:						
						Maximum 0.40
						Median 0.33
						Minimum 0.25

Table F-14

**Estimated Hydraulic Conductivity Based On Grain Size Analyses
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Particle Type	Screen Size (microns)	Screen Size (cm)	MW-140 (80 - 80.5 feet bgs)		MW-140 (100 feet bgs)													
			Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$	Frac Retained	$f_i / (d_{li}^{0.404} \times d_{si}^{0.595})$												
Coarse Gravel	1"	2.5002	0.0000	—	0.0000	—												
Fine Gravel	1/2"	1.2501	0.0000	0.00000	0.1104	0.06676												
	3/8"	0.9500	0.0345	0.03250	0.0388	0.03655												
	1/4"	0.6351	0.0238	0.03183	0.0269	0.03598												
	4,757 (No. 4)	0.4757	0.0091	0.01701	0.0085	0.01589												
Coarse Sand	3,364 (No. 6)	0.3364	0.0112	0.02891	0.0077	0.01988												
	2,000 (No. 10)	0.2000	0.0132	0.05341	0.0156	0.06312												
Medium Sand	1414 (No. 14)	0.1414	0.0097	0.05952	0.0219	0.13437												
	1000 (No. 18)	0.1000	0.0133	0.11536	0.0542	0.47013												
	707 (No. 25)	0.0707	0.0184	0.22564	0.1483	1.81860												
	500 (No. 35)	0.0500	0.0397	0.68824	0.1829	3.17074												
	420 (No. 40)	0.0420	0.0315	0.69678	0.0762	1.68553												
Fine Sand	354 (No. 45)	0.0354	0.0304	0.79877	0.0572	1.50296												
	250 (No. 60)	0.0250	0.1023	3.54245	0.1413	4.89295												
	177 (No. 80)	0.0177	0.0736	3.60218	0.0286	1.39976												
	125 (No. 120)	0.0125	0.0994	6.87929	0.0268	1.85478												
	74 (No. 200)	0.0074	0.1024	11.14180	0.0261	2.83985												
Silt and Clay	53 (No. 270)	0.0053	0.1257	20.61681	0.0111	1.82058												
	37 (No. 400)	0.0037	0.0726	16.87521	0.0051	1.18545												
	25	0.0025	0.0630	21.39156	0.0042	1.41404												
	15.6	0.00156	0.0630	33.18130	0.0042	2.19337												
	5	0.0005	0.0630	79.00613	0.0042	5.22251												
Sum			1.00	198.985	1.00	31.844												
Estimated Maximum k (cm/sec)				2.40E-03		9.38E-02												
Estimated Median k (cm/sec)				1.03E-03		4.02E-02												
Estimated Minimum k (cm/sec)				3.41E-04		1.33E-02												
% Gravel			6.7		18.5													
% Sand			54.5		78.7													
% Silt and Clay			38.7		2.9													
<p>Notes:</p> <p>1. Kozeny-Carman Equation: $k = [\Theta^3 / (1 - \Theta)^2] * (1.99 \times 10^4) / \{ (\Sigma [f_i / (d_{li}^{0.404} \times d_{si}^{0.595})])^2 * SF^2 \}$ where Θ = total porosity 1.99×10^4 = constant incorporating unit weight and viscosity of water and the empirica Kozeny-Carmon coefficient (1/cm-sec f_i = fraction of particles retained on the smaller sieve of adjacent sieve pairs (dimensionless) d_{li} = diameter of larger sieve in pair (cm) d_{si} = diameter of smaller sieve in pair (cm) SF = grain shape factor (dimensionless)</p> <p>2. Frac retained = fraction (by weight) retained on screen</p> <p>3. Estimated shape factors:</p> <table border="0"> <tr> <td>Rounded</td> <td>6.1</td> </tr> <tr> <td>Median</td> <td>6.25</td> </tr> <tr> <td>Worn</td> <td>6.4</td> </tr> </table> <p>4. Estimated porosities:</p> <table border="0"> <tr> <td>Maximum</td> <td>0.40</td> </tr> <tr> <td>Median</td> <td>0.33</td> </tr> <tr> <td>Minimum</td> <td>0.25</td> </tr> </table>							Rounded	6.1	Median	6.25	Worn	6.4	Maximum	0.40	Median	0.33	Minimum	0.25
Rounded	6.1																	
Median	6.25																	
Worn	6.4																	
Maximum	0.40																	
Median	0.33																	
Minimum	0.25																	

APPENDIX G

2017 PRE-AGREED ORDER INVESTIGATION FIELD PROCEDURES

1.0 FIELD PROCEDURES

This section describes the field procedures for soil and groundwater sample collection; well installation and development; field documentation; sample labeling, shipping, and custody; decontamination; and residuals management.

1.1 Soil Sampling Procedures

Prior to drilling, applicable permits and access agreements were procured, utilities were cleared at each drilling location, sampling equipment was properly decontaminated (see below), and applicable health and safety procedures were reviewed. The temporary borings and monitoring well borings were advanced using a Sonic rotary vibration drilling rig (“Sonic” rig) operated by a subcontracted drilling firm. The Sonic method involves advancing an inner core barrel and an outer casing using the vibrations and hydraulics of the Sonic rig. During drilling for this investigation, the core barrel and outer casing were advanced in intervals ranging from 5 to 15 feet. The outer casing held the borehole open while the nominal 4-inch or 6-inch inner core barrel advanced ahead of the casing allowed continuous soil sampling. The retrieved soil cores were placed in plastic core bags, with soil samples collected continuously throughout the total depth of the boring. To collect fine-grained soil samples for laboratory hydraulic conductivity testing, the Sonic rig either advanced a Shelby tube or core barrel equipped with rings through the desired interval to retrieve a relatively undisturbed sample.

Temporary borings and monitoring well borings drilled in areas with deeper (greater than 40 feet bgs) historical PCE concentrations above 10 mg/kg were advanced past the zone in question using a step-casing technique. Step casing of these borings was done to minimize the potential for dragging highly contaminated soil into a lower water bearing zone while drilling. Cascade used the step casing technique in the following borings at approximately the following depths: temporary borings B-207 (55 feet bgs), B-210 (50 feet bgs), and B-211 (55 feet); and monitoring well borings MW-132 (55 feet bgs), MW-133 (62.5 feet bgs), and MW-135 (60 feet bgs). The driller step-cased by advancing an initial larger diameter Sonic casing (nominal 10-inch casing) to the predetermined depth, filling the casing with approximately 3 feet of bentonite chips, retracting the casing about 2 feet, waiting approximately 30 minutes for the bentonite to hydrate, and pumping out any significant water in the casing and replacing it with potable water (to the extent possible). Nominal 6-inch Sonic casing was then advanced through the larger casing and bentonite seal to sample below the step case depth.

Soil samples were collected continuously during drilling from the highest point possible to the bottom of the hole. Samples were extracted from the coring tube into new plastic sleeves, observed for staining, monitored for odors, screened for VOCs with a PID (in small, sealed plastic bags), and logged for lithologic characterization consistent with ASTM D-2488. Small 200-mesh screens were used to aid estimating the percentage of coarse (sand and gravel) and fine (silt) soil in the retrieved samples. All observations and measurements were recorded on a boring log form. Soil samples to be submitted for laboratory VOC and GRO analysis were collected using EPA Method 5035. Additional sample volume for physical or remediation parameter testing was collected using either decontaminated stainless steel or plastic sampling tools.

All non-dedicated sampling equipment was decontaminated between uses as described below, and field QA samples were collected as described below. The samples were placed in laboratory-supplied soil jars or laboratory-prepared volatile organics analysis (“VOA”) vials, which were then placed in a chilled, insulated cooler. The samples were handled and shipped to ESC Lab Sciences (“ESC”) as described below.

Upon drilling completion, the driller either backfilled each of the boreholes with bentonite grout or completed the boring by installing a groundwater monitoring well as described in below.

1.2 Groundwater

Reconnaissance Groundwater Sampling

Reconnaissance groundwater samples were collected with a steel groundwater sampling screen advanced by the Sonic rig. The driller drove the sampler ahead of the drill casing in the desired sampling interval, retracted a sheath to expose the screen, waited for groundwater to flow into the screen, and collected a groundwater sample from the screened interval with a previously decontaminated stainless-steel bailer. Preserved VOA vials were filled by allowing the sample water to pour down the inside of the vials and without splashing onto the base. The VOA vials were filled to eliminate any headspace and the lids were secured tightly. All sample containers were prepared and provided by ESC.

After sample collection from each interval, the temporary screen was removed from the borehole, and drilling was resumed. The steel groundwater sampling screen and stainless-steel bailer were decontaminated after each use, as described below. Handling of decontamination and purge water are described below.

Monitoring Well Installation

Groundwater monitoring wells were installed in accordance with Chapter 173-160 of the WAC. The wells were constructed with nominal 2-inch-diameter, flush-threaded Schedule 40 PVC, with 10-foot-long 0.020-inch slot width screens and 10 x 20 silica sand outside of the screen. The filter pack in each well extended to approximately 2 feet above the top of the well screen, 2 to 5 feet of bentonite chips was placed above the filter pack, and bentonite grout was placed from the top of the bentonite chips to within 10 feet of the ground surface. The remaining annular space was filled with hydrated bentonite chips to within 3 feet of the ground surface. All materials were placed concurrent with casing withdrawal. The surface monument protecting each well was completed flush with grade.

Monitoring Well Development

Each new monitoring well was developed by Cascade Drilling (“Cascade”) prior to initial well monitoring. Development involved repeated surging (with a surge block or bailer) and pumping until the color of the discharge water did not change with additional development. Turbidity was measured and when possible, the well was developed until the measured turbidity stabilized. If the well pumped dry during development, it was allowed to refill and then pumped at a low flow rate until the turbidity stabilized or the well pumped dry again. All development water was handled as described below.

Groundwater Level Measurements

Monitoring well groundwater levels were measured using the following procedures:

1. The well surface monument was opened, and any standing water and debris (i.e., sediment, vegetation, or refuse) were removed prior to removing the well cap;
2. The well was opened by carefully removing the cap, and the riser was allowed to vent if under pressure or vacuum. The time at which the well was initially vented to the atmosphere (i.e., time of well cap removal) and the initial conditions (i.e., well over-pressurized or under-pressurized relative to the atmosphere) were documented. If needed, the time needed for water level equilibration after cap removal was checked by measuring the water level in a well, allowing the well to vent for a more extended period (at least 1 hour), and measuring the water level a second time.
3. After opening and venting the well, the initial water level was measured at the surveyed measuring point (“MP”) on the north side of the top of the PVC casing to the nearest 0.01 foot using an electronic water level probe.
4. The water level measurement in each well was confirmed in the field to ensure that the reading was accurate. All results (times, measured values, etc.) were documented.
5. The portion of the water level probe that contacted water was rinsed with distilled water between each well to avoid cross contamination.
6. The well cap was replaced, and the surface monument was replaced and tightly sealed upon completing the water level measurements.

PES instrumented nine wells (shallow well R-MW3; intermediate wells MW116, MW119, and MW130; and deep wells FMW-129, MW102, MW105, MW113, and MW122) with pressure transducers to monitor the effects of groundwater extraction at the City Investors XI LLC (“City Investors”) Block 37 property. The transducers consisted of Instrumentation Northwest LevelSCOUT sensors and dataloggers with a sensor range of 30 pounds per square inch absolute (“psia”). Since the transducers were non-vented, a BaroSCOUT barometric pressure sensor (30 psi) and datalogger was also used to allow the data to be corrected for the effects of barometric pressure. The transducers were programmed to record data hourly.

Groundwater Sampling

Groundwater samples were collected from the monitoring wells after well development using low-flow sampling procedures.

Sampling Preparation. Prior to the sampling events, the necessary field equipment, laboratory-supplied sample bottles, and documentation materials were acquired and prepared. Laboratory-supplied sample bottles were inspected. The depth to water in the well was measured before sampling using the procedures outlined above.

Low-Flow Purging. For monitoring wells with water levels less than 20 feet below the top of casing, a peristaltic sampling pump fitted with disposable polyethylene and silicon (at the pump head only) tubing was used to collect samples. New (disposable) polyethylene tubing was slowly lowered into the well until the intake was at the mid-point of the well screen. All newly

installed monitoring wells had water levels greater than 20 feet below the top of casing and required sampling with a bladder pump. A decontaminated stainless-steel bladder pump with dedicated polyethylene tubing attached to the pump head was used to collect samples. The bladder pump and attached tubing were slowly lowered into the well until the pump intake was at the mid-point of the well screen. The initial water level prior to purging was recorded.

Prior to sampling, each monitoring well was purged until field parameter measurements stabilized, as discussed below. The purging start time was recorded, and the pump was started. Pumping rates during purging were measured with a stopwatch and graduated cylinder, graduated cup, or VOA vial, depending on flow rate. Low flow purging was conducted at pumping rates less than 500 milliliters per minute (“mL/min”).

During purging, the water level was measured approximately every 5 minutes. If possible, a drawdown of 0.3 feet or less was maintained in each well. The water level in the well was maintained above the intake at all times. The process was then repeated until the field parameters stabilized. All measured water levels and pumping rate changes were recorded on a Groundwater Sampling Form.

Field Parameter Measurements. All meters were calibrated at the start of each work period, and meters were recalibrated, as necessary, during or after the work period. Field parameter measurements were recorded approximately every 5 minutes during purging. Field parameters included pH, specific conductance, temperature, dissolved oxygen (“DO”), and oxidation-reduction potential (“ORP”). Measurements were recorded to the following standards:

- pH to ± 0.01 units;
- Specific conductance to ± 1 micromho;
- Temperature to $\pm 0.1^\circ\text{C}$;
- DO to ± 0.1 milligrams per liter (“mg/L”); and
- ORP to ± 1 millivolts.

Samples were not collected until these parameters stabilized for three consecutive readings to the following criteria:

- pH to ± 0.1 pH unit;
- Conductivity to ± 3 percent;
- Temperature to ± 3 percent; and
- DO to ± 10 percent.

ORP measurements were not used to determine stability. Field parameter measurements were recorded on a Groundwater Sampling Form.

Sample Collection. Upon completion of purging, samples were collected from the discharge end of the pump tubing. The same pump rate used at the end of well purging was used during sample collection. Groundwater samples were submitted to ESC for analysis of VOCs and/or GRO. VOA vials were filled by allowing the sample water to pour down the inside of the vials without splashing onto the base. The containers were filled to eliminate any headspace and the seal/lid was secured tightly. All sample containers were prepared and provided by ESC.

After collection of the sample from each well, the pump was disconnected from the tubing, the well cap was replaced, and the well cap or monument locked. Consumable plastic bladders and plates were placed in a sealed plastic bag and labeled for future use in the same well. The bladder pump was disassembled and decontaminated after sampling each well as described below. Decontamination and purge water were handled consistent with the residuals management procedures outlined below.

1.3 Field Quality Assurance

Field QA soil and water samples were collected used to evaluate the efficiency of field decontamination and processing procedures. Field QA samples consisted of field duplicates, equipment rinsate blanks, and transport (trip) blanks. All field QA samples were documented in the field notes. Field duplicates and equipment rinsate blanks were submitted with artificial sample labels so that the laboratory was unaware of the sample origin.

Field Duplicates

Field duplicates were collected to evaluate the variability of the sample concentrations due to sample processing. Field duplicate samples were collected along with the original sample as a split from one homogenized sample and analyzed for the identical chemical analyte list as the media from which they were collected. Field duplicate samples of each matrix sampled were collected at an approximate frequency of one duplicate per 20 samples.

Equipment Blanks

Equipment blanks (also known as a rinsate blank or field blank) were used to assess the effectiveness of equipment decontamination procedures. An equipment blank was collected by pouring reagent grade or distilled water into or over or pumped through the sampling device, collecting the rinsate in a sample container, and submitting the sample to the laboratory for analysis. One equipment blank was collected for the bladder pump for the groundwater sampling. Equipment blanks were collected immediately after the equipment was decontaminated, and the blank was analyzed for all laboratory analyses requested for the environmental samples collected at the location that the blank was collected.

Transport Blanks (Trip Blanks)

Transport blanks (also known as a trip blanks) are used to assess the potential introduction of contaminants from sample containers or during the transportation and storage procedures. A transport blank consisted of a VOC sample vial filled in the laboratory with chemically preserved reagent grade water, transported to the sampling site, handled under the same conditions as an environmental sample, and returned to the laboratory alongside field samples for analysis. Transport blanks were not opened in the field. One transport blank was submitted for approximately every 20 project samples shipped to the laboratory. Transport blanks were analyzed for the volatile constituents analyzed in the project sample collected at that location (VOCs and/or GRO).

1.4 Field Documentation

All field activities were recorded on field forms by the on-site field representative. The forms included daily field reports, boring logs, and groundwater sampling forms. Recorded information included:

- Project name;
- Field personnel on site;
- Facility visitors;
- Weather conditions;
- Field observations;
- Notes on maps and/or drawings;
- Date and time sample collected;
- Sampling method and description of activities; and
- Conferences associated with field sampling activities.

1.5 Sample Labeling, Shipping, and Chain-of-Custody

All environmental samples collected during the project were labeled, stored, and shipped consistent with PES protocols. These protocols are summarized below.

Sample Labeling

Sample container labels were completed immediately before or immediately following sample collection. Container labels included the following information:

- Project name;
- Sample number;
- Initials of collector;
- Date and time of collection; and
- Analysis requested.

Sample Transportation

Soil samples were transported to the analytical laboratory using the following procedures:

- Sample containers were transported with ice in a cooler or other suitable shipping container;
- Ice was placed into each shipping container with the samples;
- All sample shipments were accompanied by a COC form. The completed form was sealed in a plastic bag;

- The name and address of the analytical laboratory was placed on each shipping container prior to transportation; and
- Coolers were shipped to ESC for overnight delivery.

Chain-Of-Custody

All samples collected for potential laboratory chemical analyses were documented on COC forms. The collected samples remained in the custody of the sampler(s) until shipment to ESC. A signed COC form was included with all shipments to ESC, was signed by ESC, was emailed to PES with a record of the sample receipt and log-in form, and was included in the ESC analytical report.

1.6 Decontamination

All non-disposable sampling equipment was decontaminated prior to initial use, between sampling locations, and at the completion of the site-specific sampling. Cascade Drilling decontaminated their equipment with a hot water pressure washer. PES decontaminated non-dedicated and non-disposable sampling equipment using the following procedure:

- Non-phosphatic detergent (e.g., Liquinox) and tap water wash;
- Tap water or distilled water rinse; and
- A final distilled water rinse.

Water level probes were decontaminated before and between uses by rinsing with distilled or de-ionized water.

1.7 Residuals Management

The following procedures were used for the drilling and sampling residuals, including soil, well development water, groundwater sampling purge water, and decontamination water:

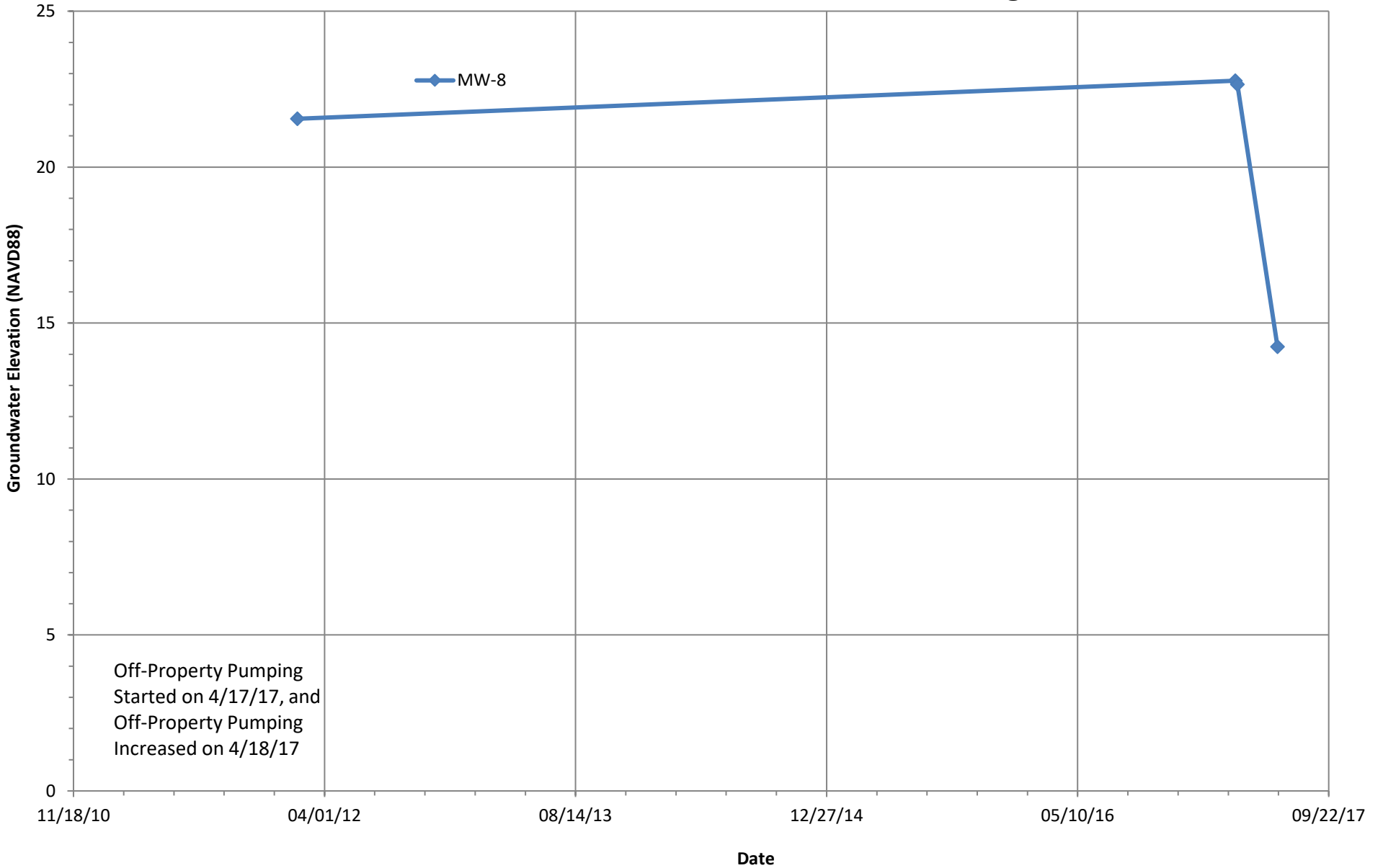
- Soil generated during drilling was placed in lined roll-off bins and securely stored on the Property. Upon completion of drilling, representative samples were collected and analyzed for disposal characterization. Based on the results, the soil was profiled and disposed of at an appropriate facility;
- Development water, purge water and decontamination water generated during the investigation activities were placed in 55-gallon drums and securely stored on the Property. A representative sample was collected and analyzed for disposal characterization. Based on the results, the water was profiled and disposed of at an appropriate facility; and
- Disposable equipment was placed in plastic bags and disposed of as solid waste.

APPENDIX H

2017 HYDROGRAPHS AND TRANSDUCER DATA

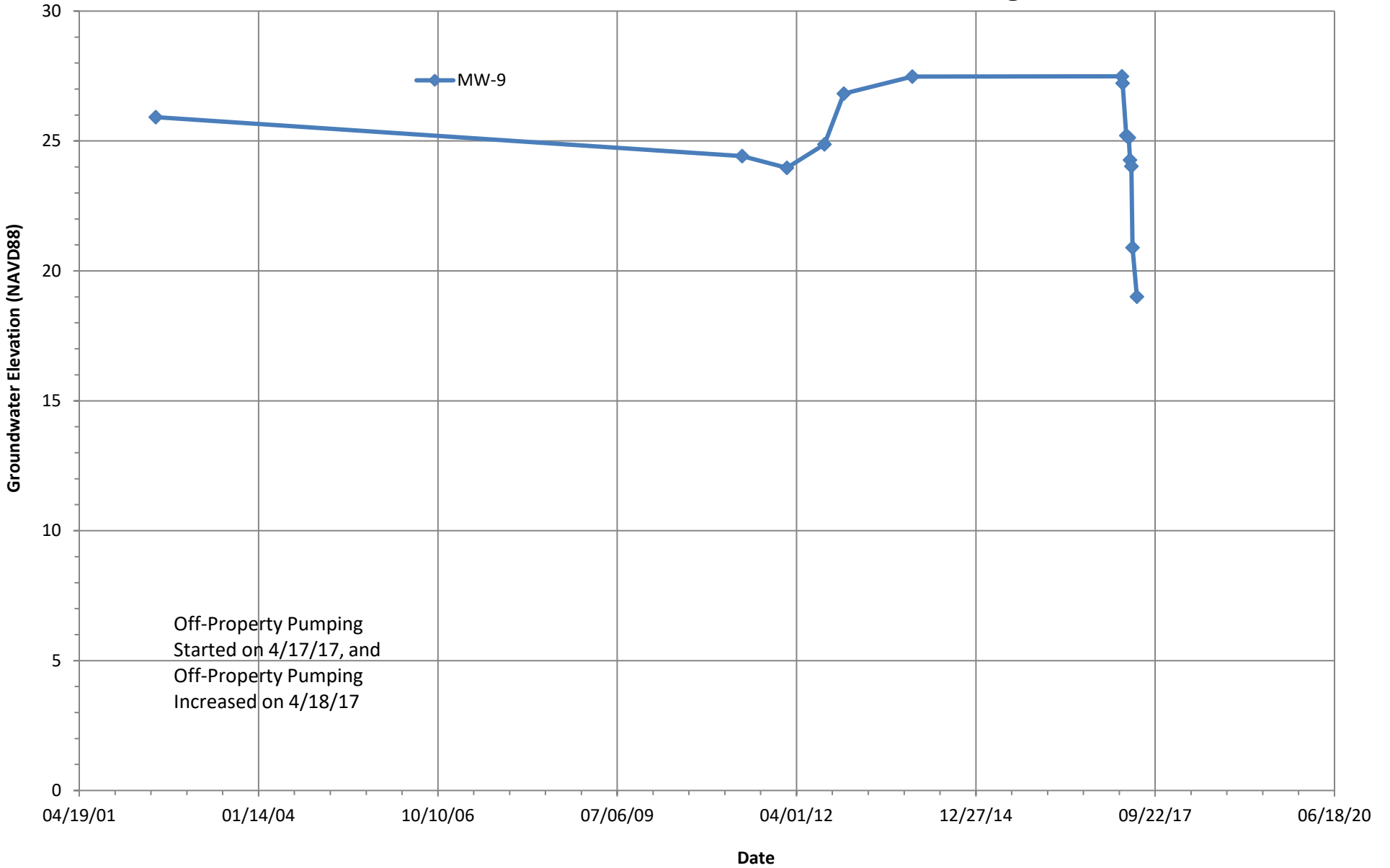
Hydrograph -- MW-8

American Linen, Seattle, Washington



Hydrograph -- MW-9

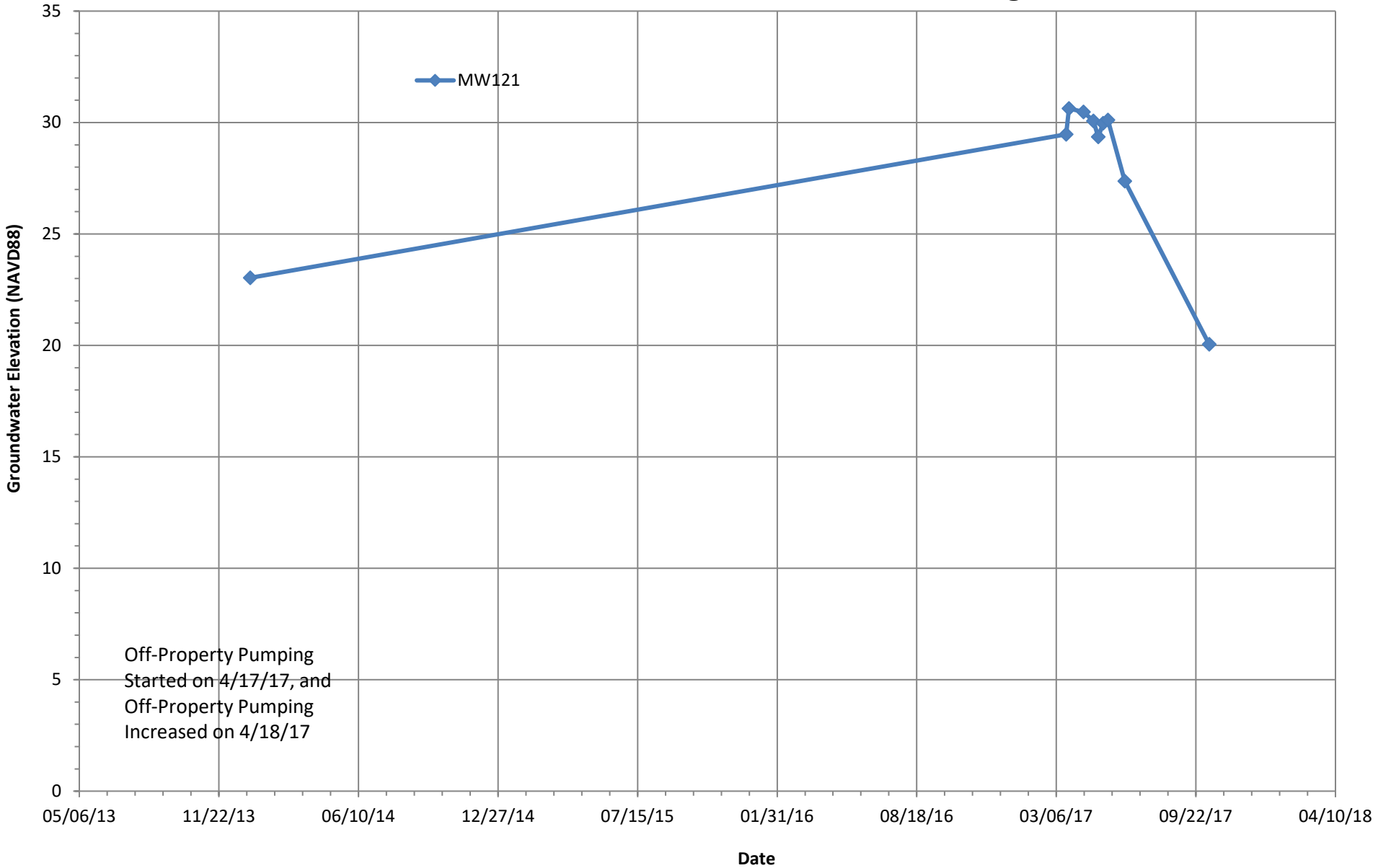
American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

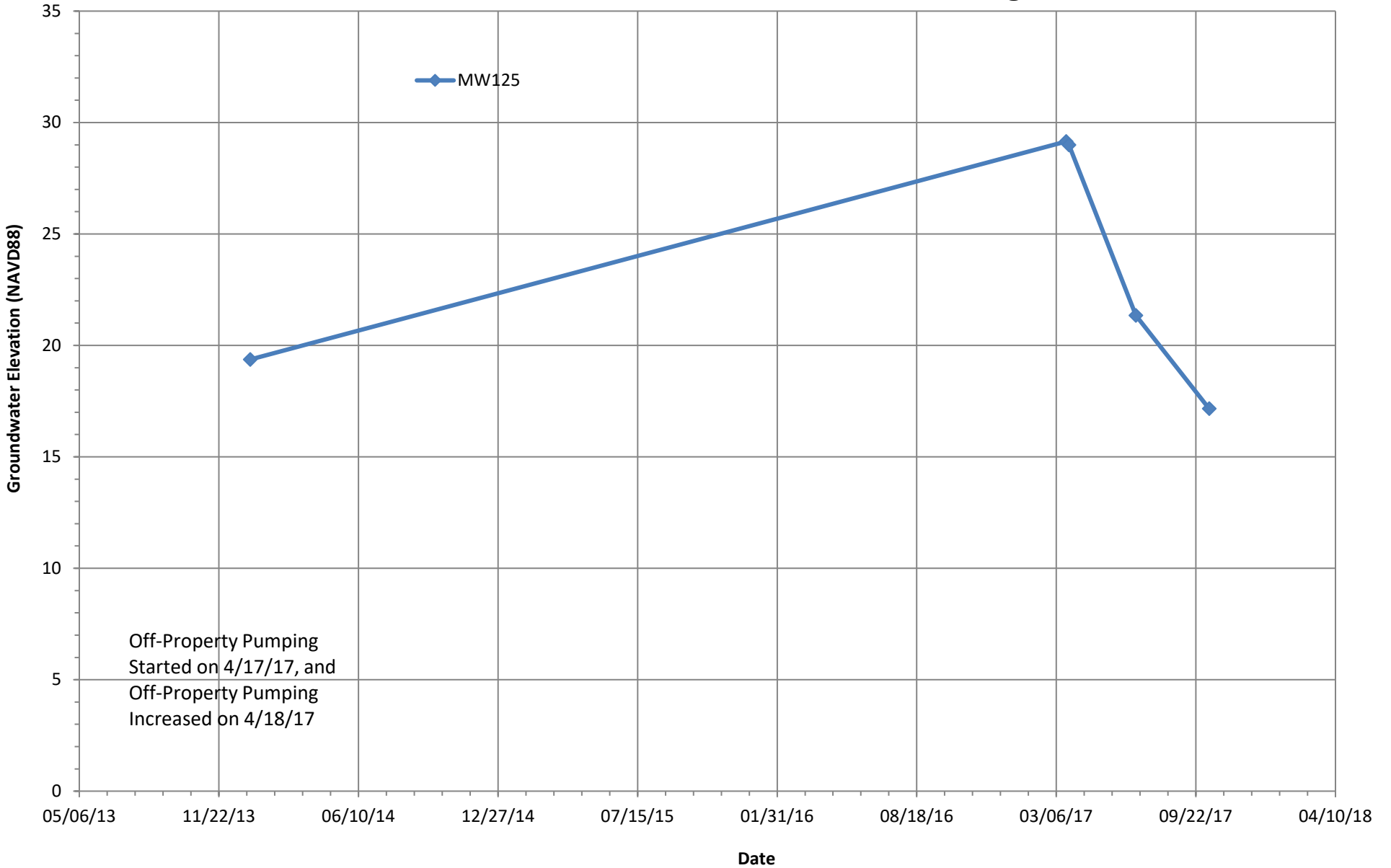
Hydrograph -- MW-121

American Linen, Seattle, Washington



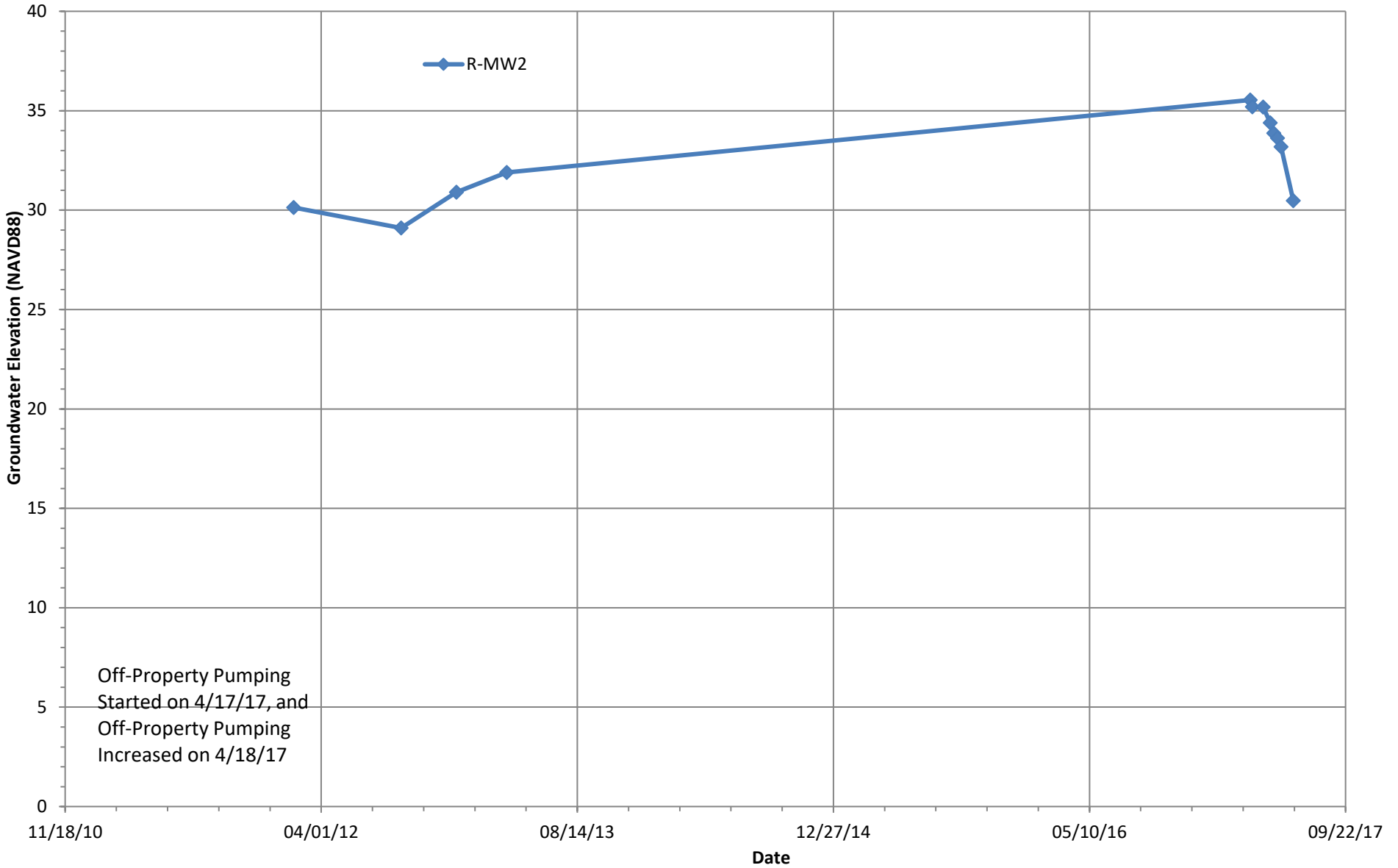
Hydrograph -- MW-125

American Linen, Seattle, Washington



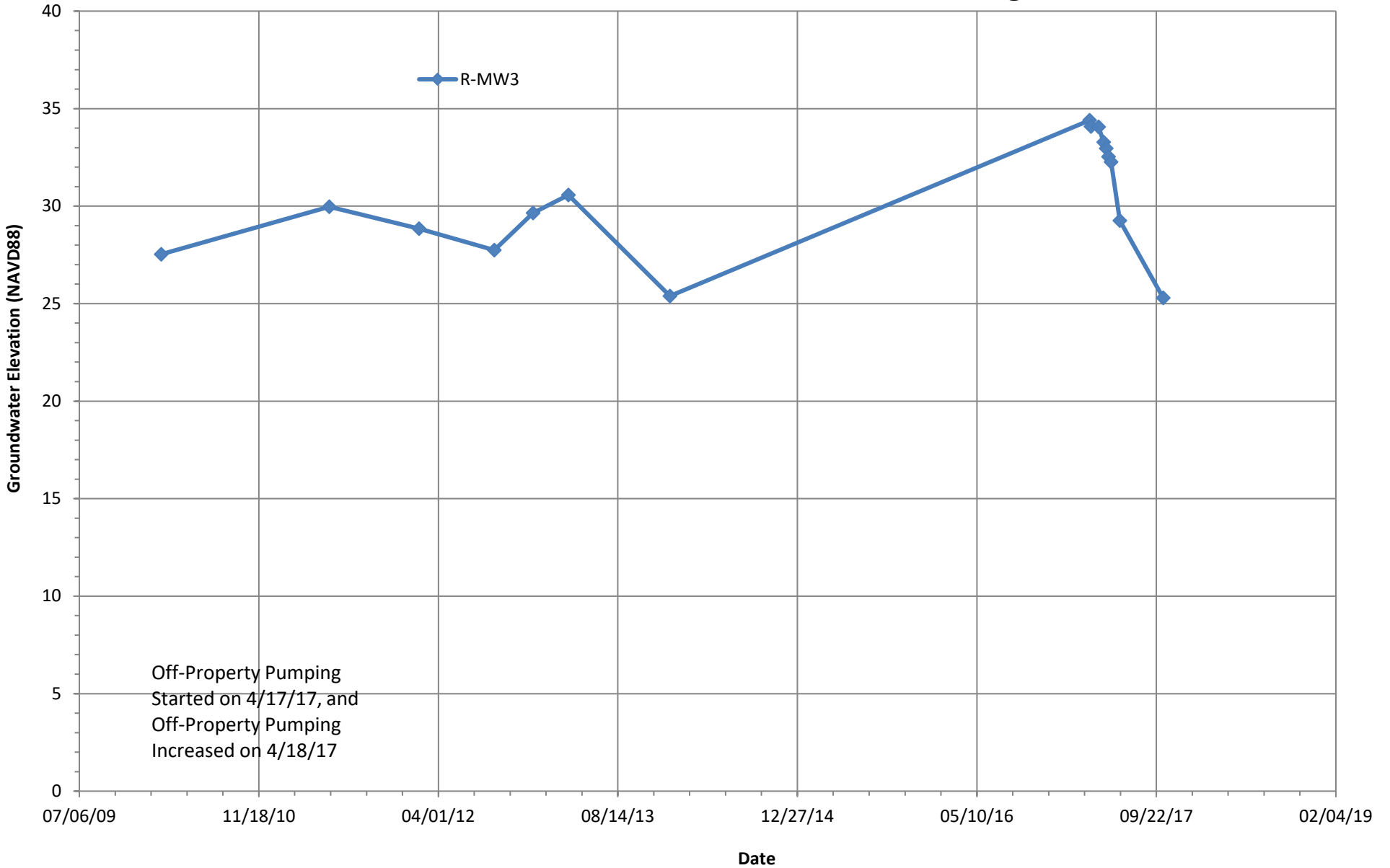
Hydrograph -- R-MW2

American Linen, Seattle, Washington



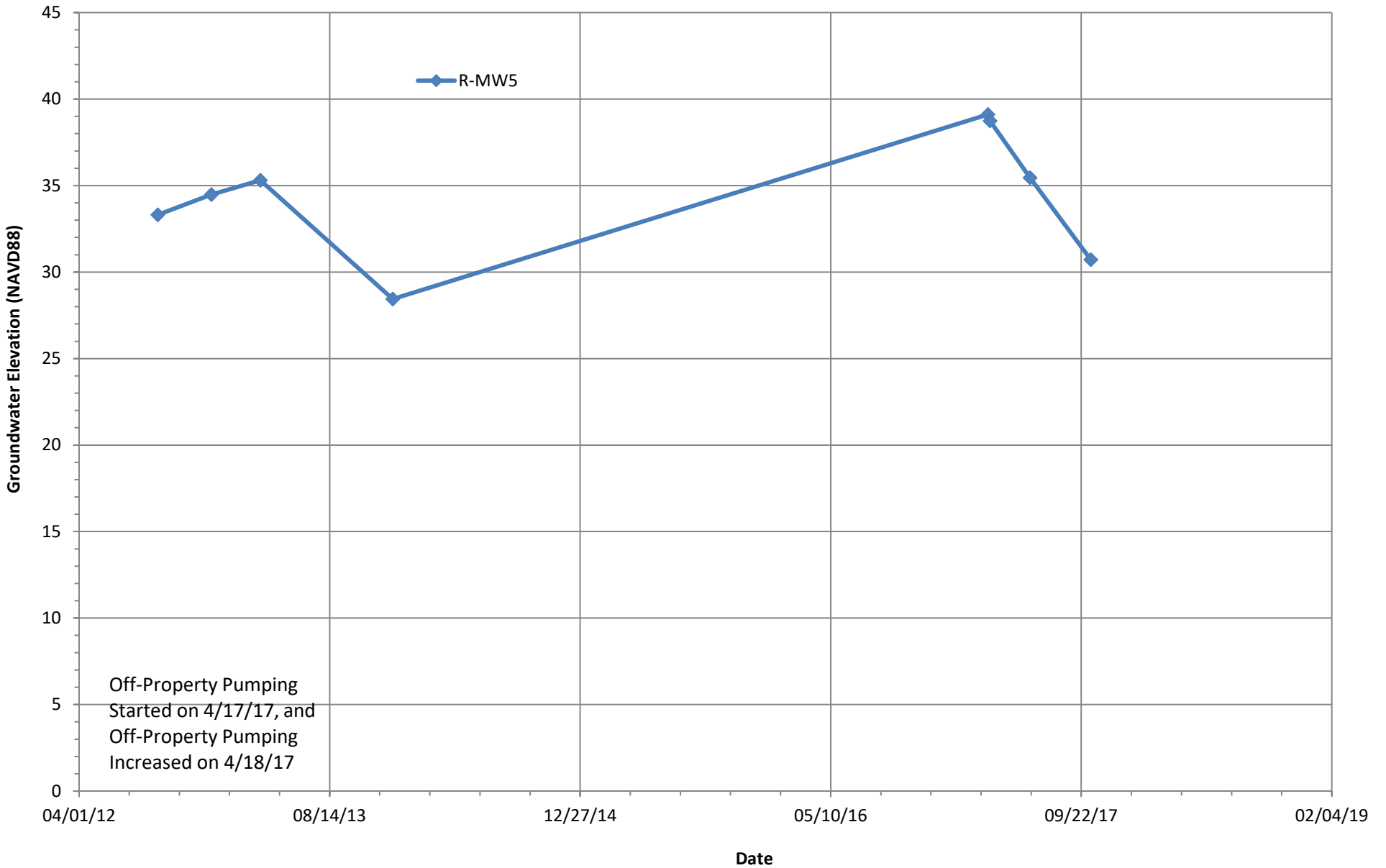
Hydrograph -- R-MW3

American Linen, Seattle, Washington



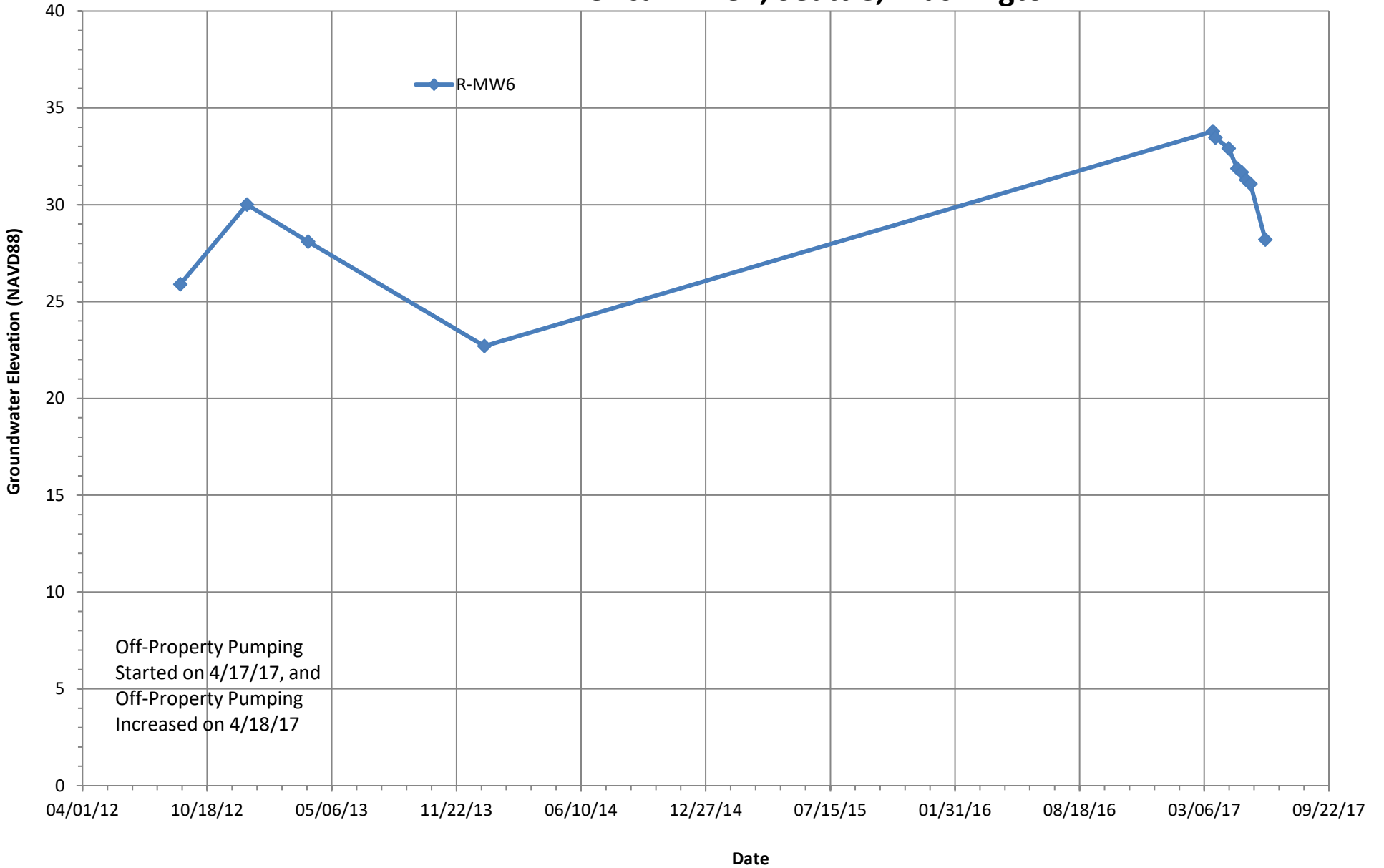
Hydrograph -- R-MW5

American Linen, Seattle, Washington



Hydrograph -- R-MW6

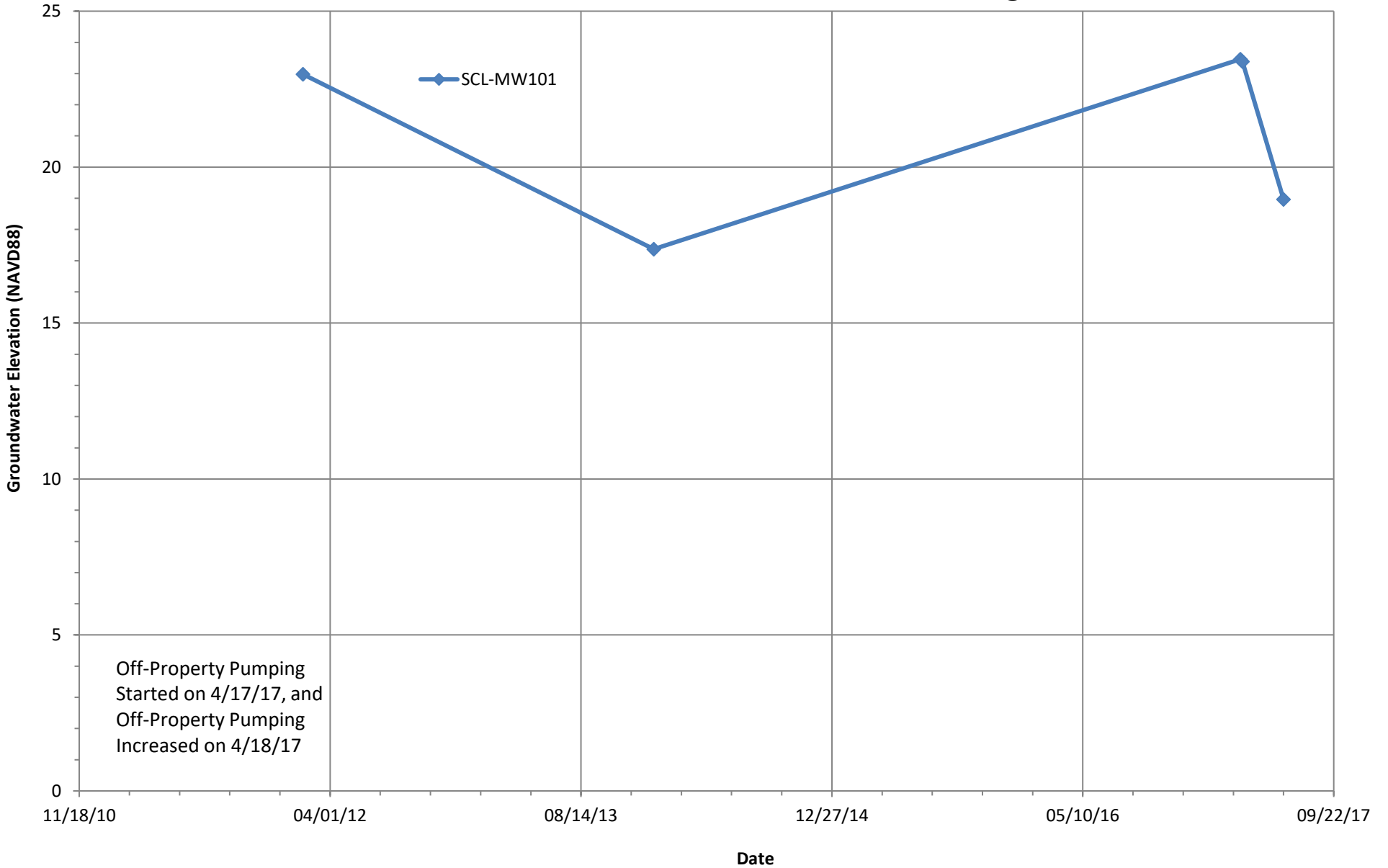
American Linen, Seattle, Washington



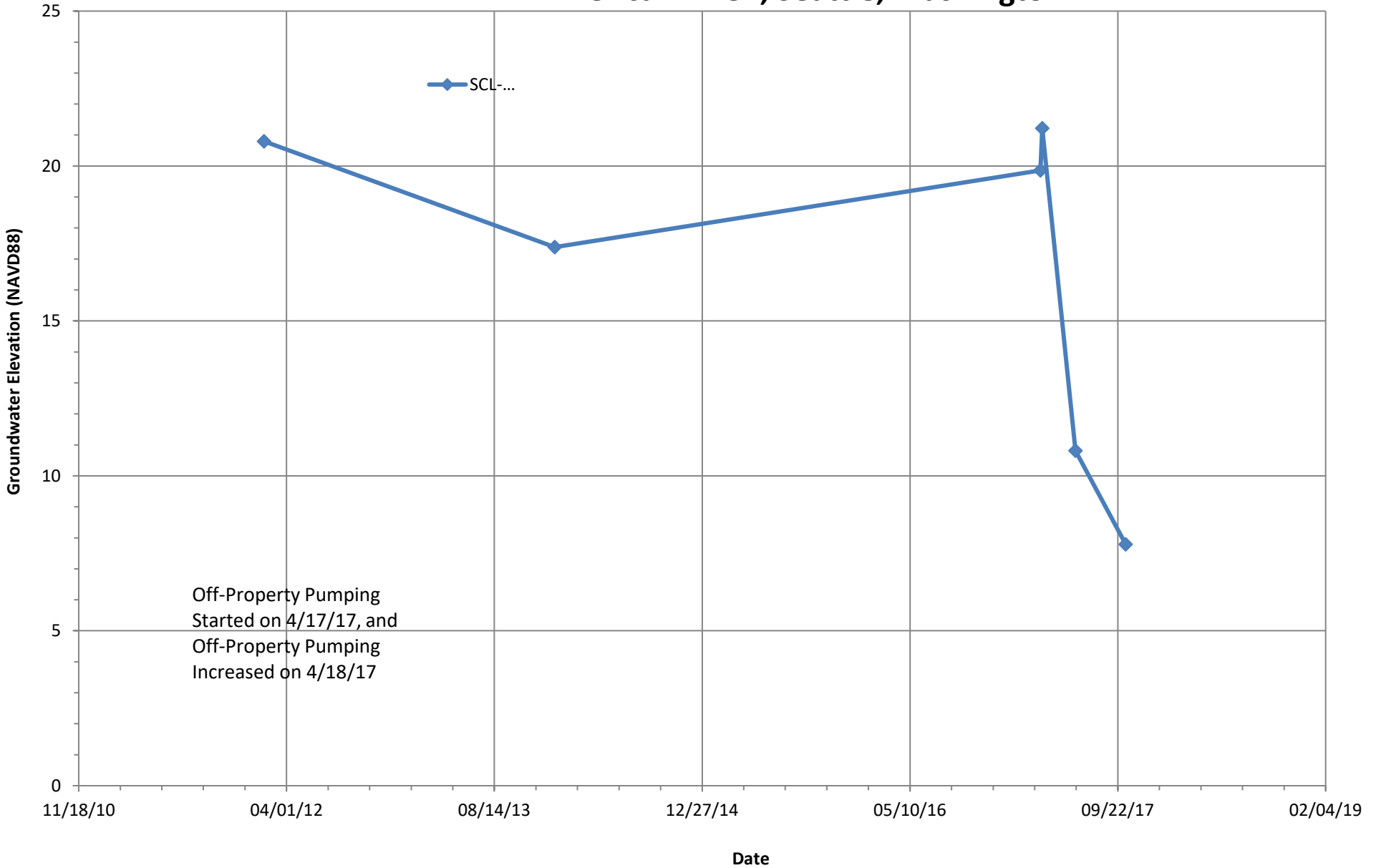
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Off-Property Pumping
Increased on 4/18/17

Hydrograph -- SCL-MW101

American Linen, Seattle, Washington



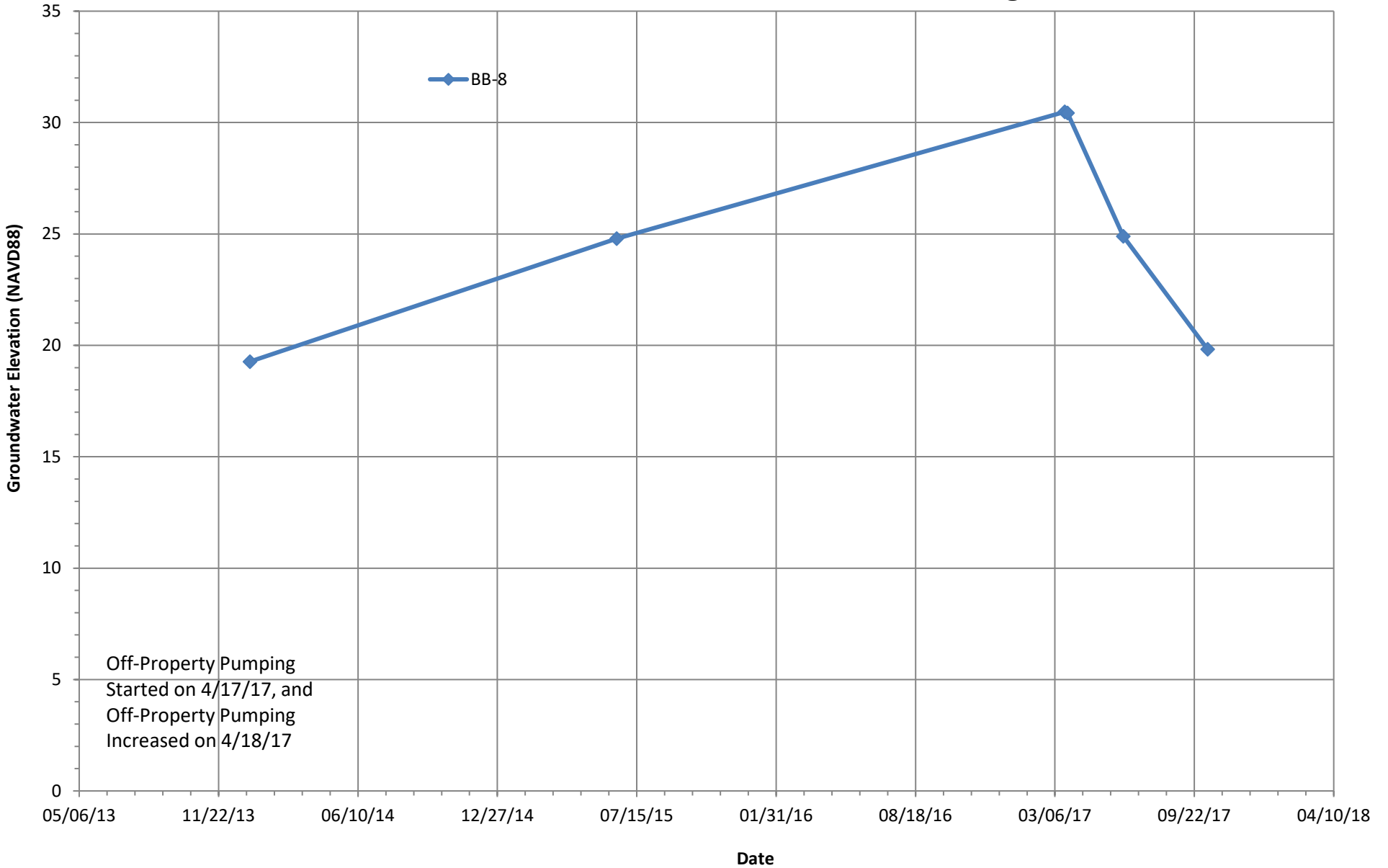
Hydrograph -- SCL-MW105 American Linen, Seattle, Washington



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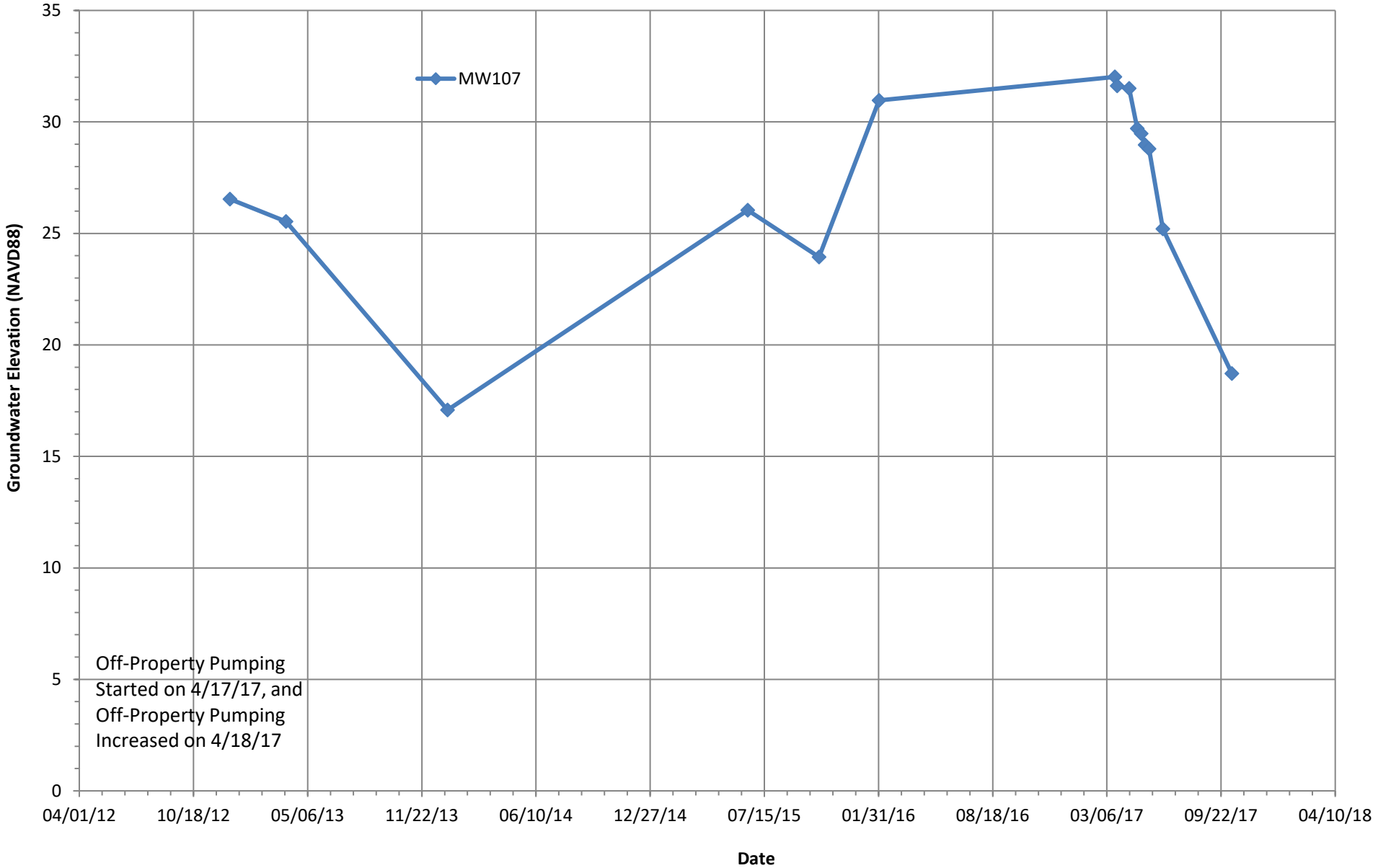
Hydrograph -- BB-8

American Linen, Seattle, Washington



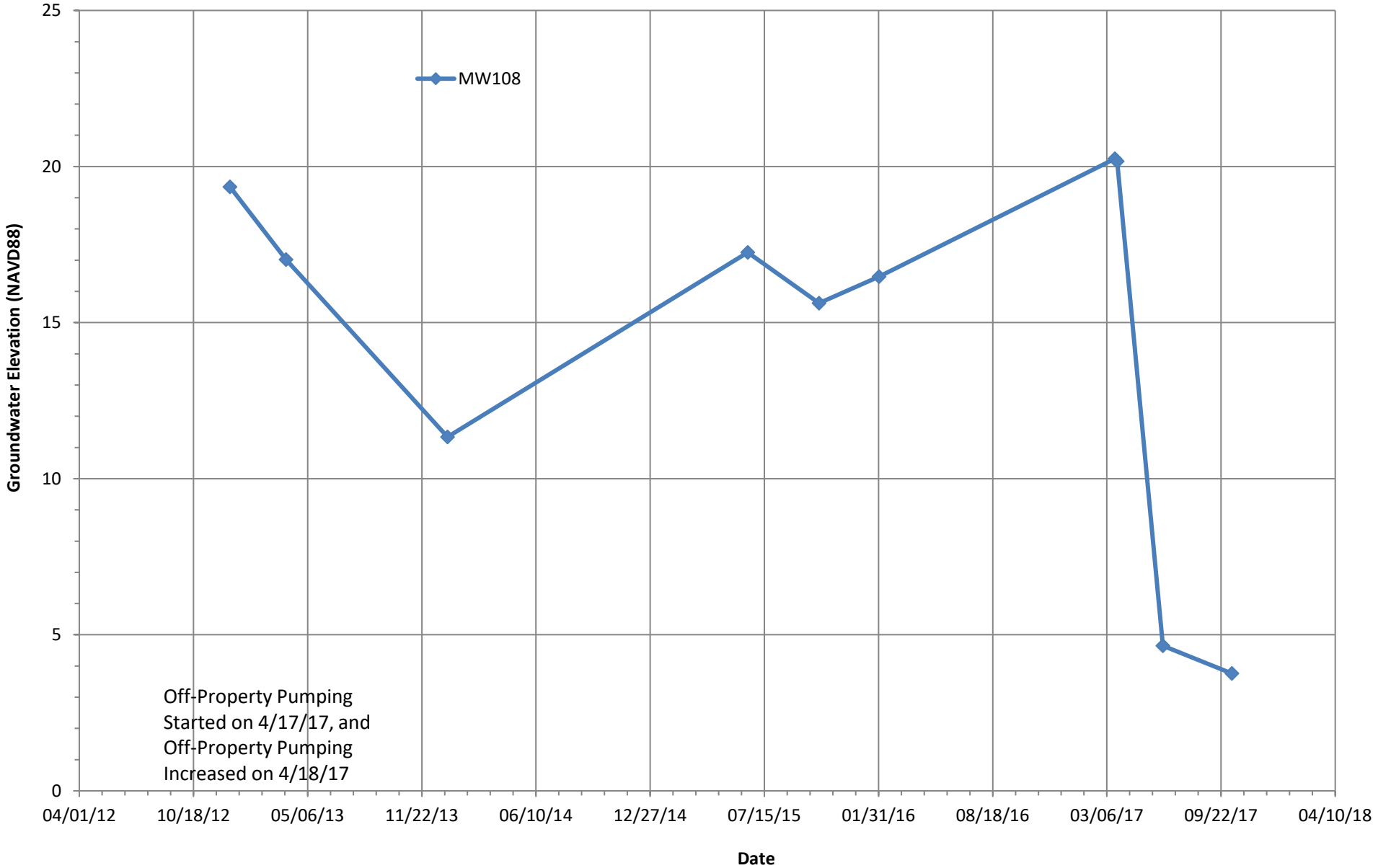
Hydrograph -- MW107

American Linen, Seattle, Washington



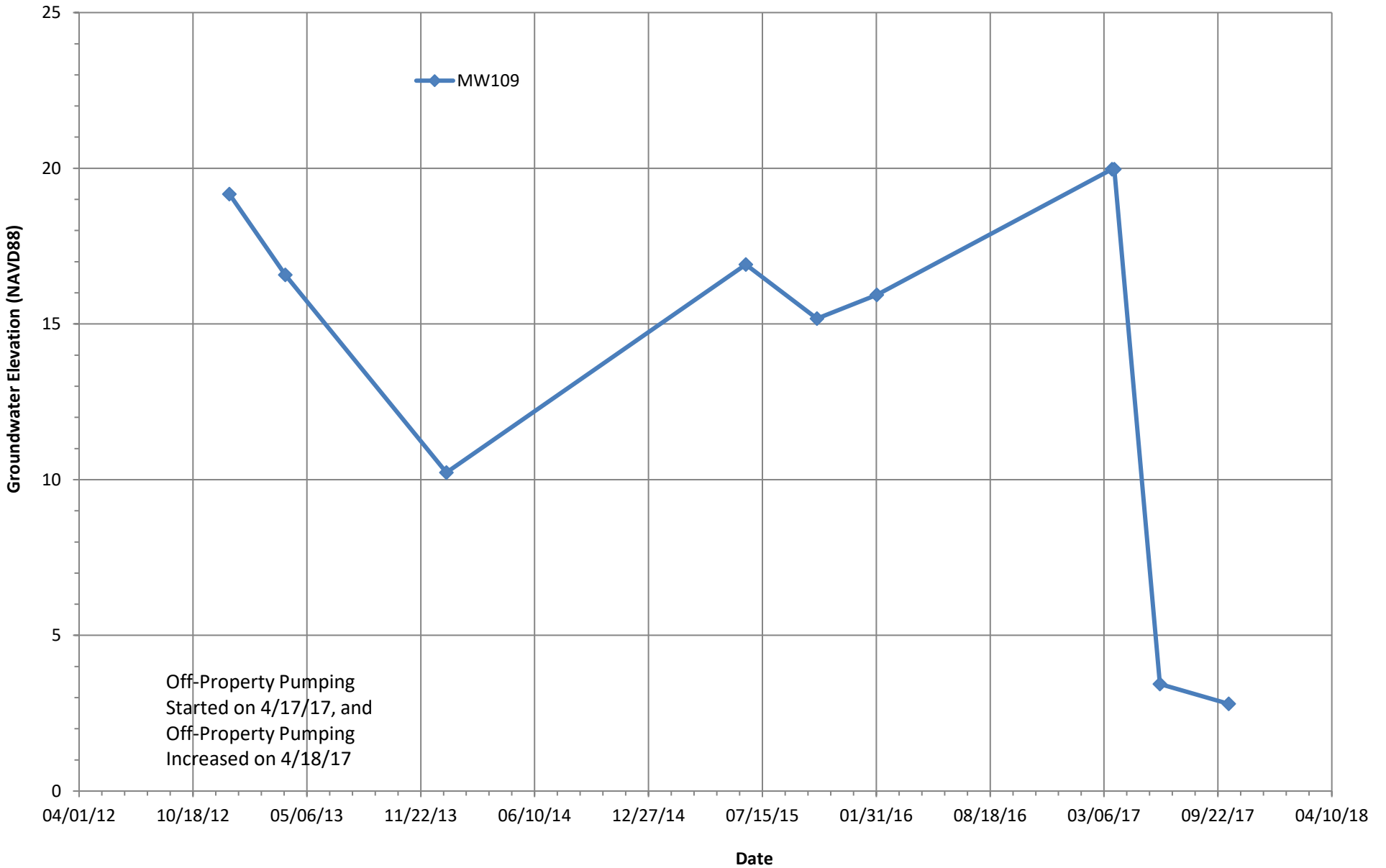
Hydrograph -- MW108

American Linen, Seattle, Washington



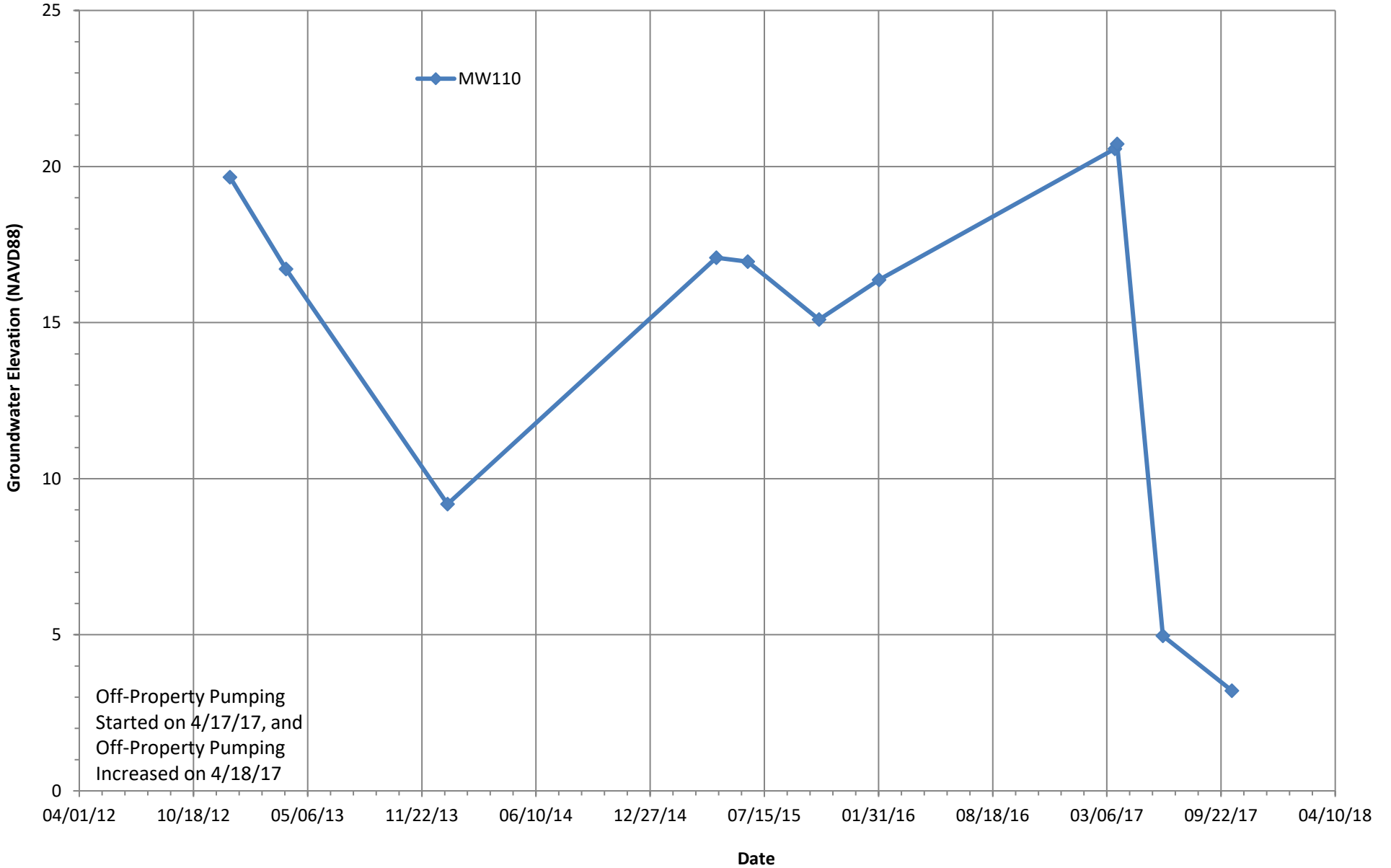
Hydrograph -- MW109

American Linen, Seattle, Washington



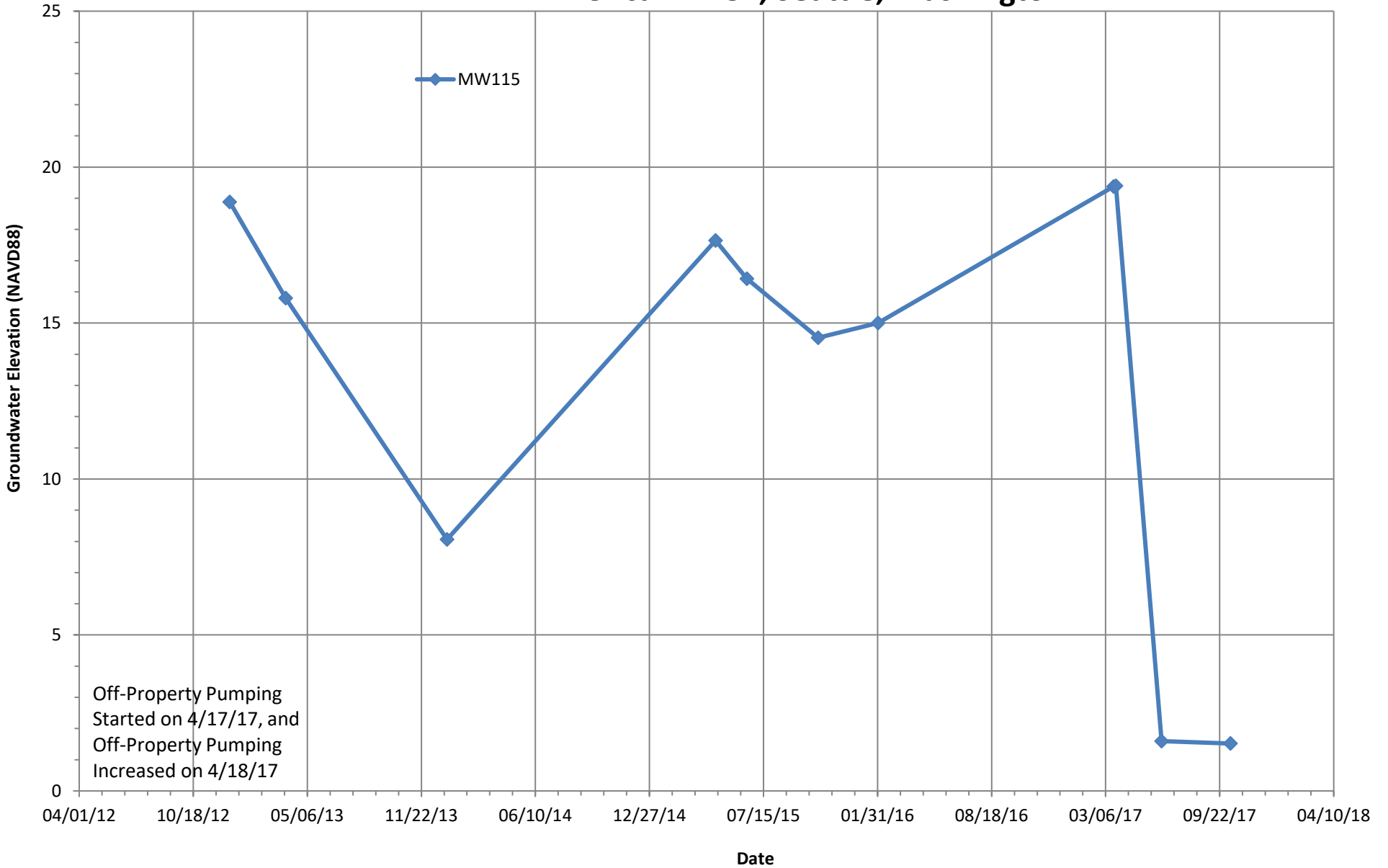
Hydrograph -- MW110

American Linen, Seattle, Washington



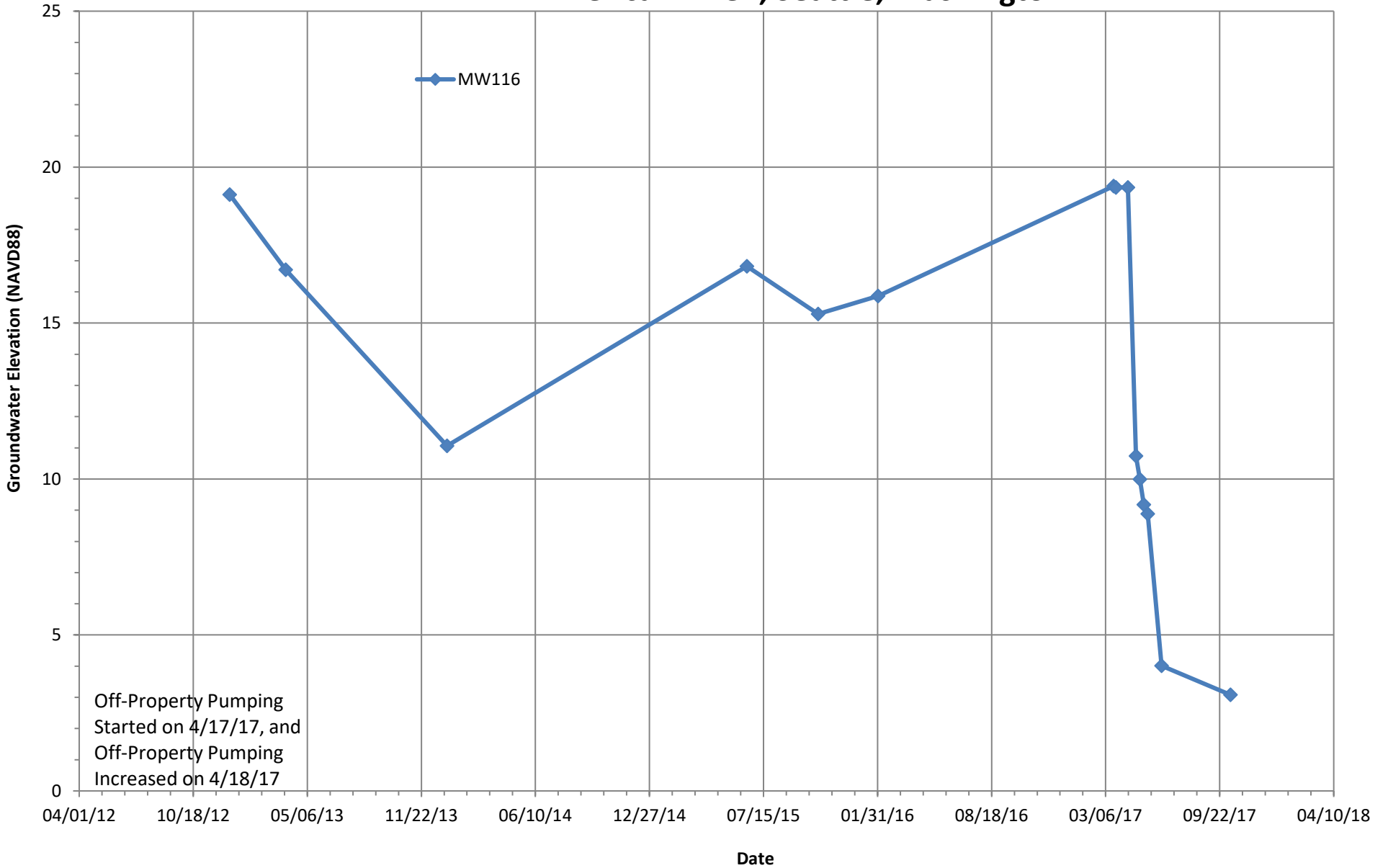
Hydrograph -- MW115

American Linen, Seattle, Washington



Hydrograph -- MW116

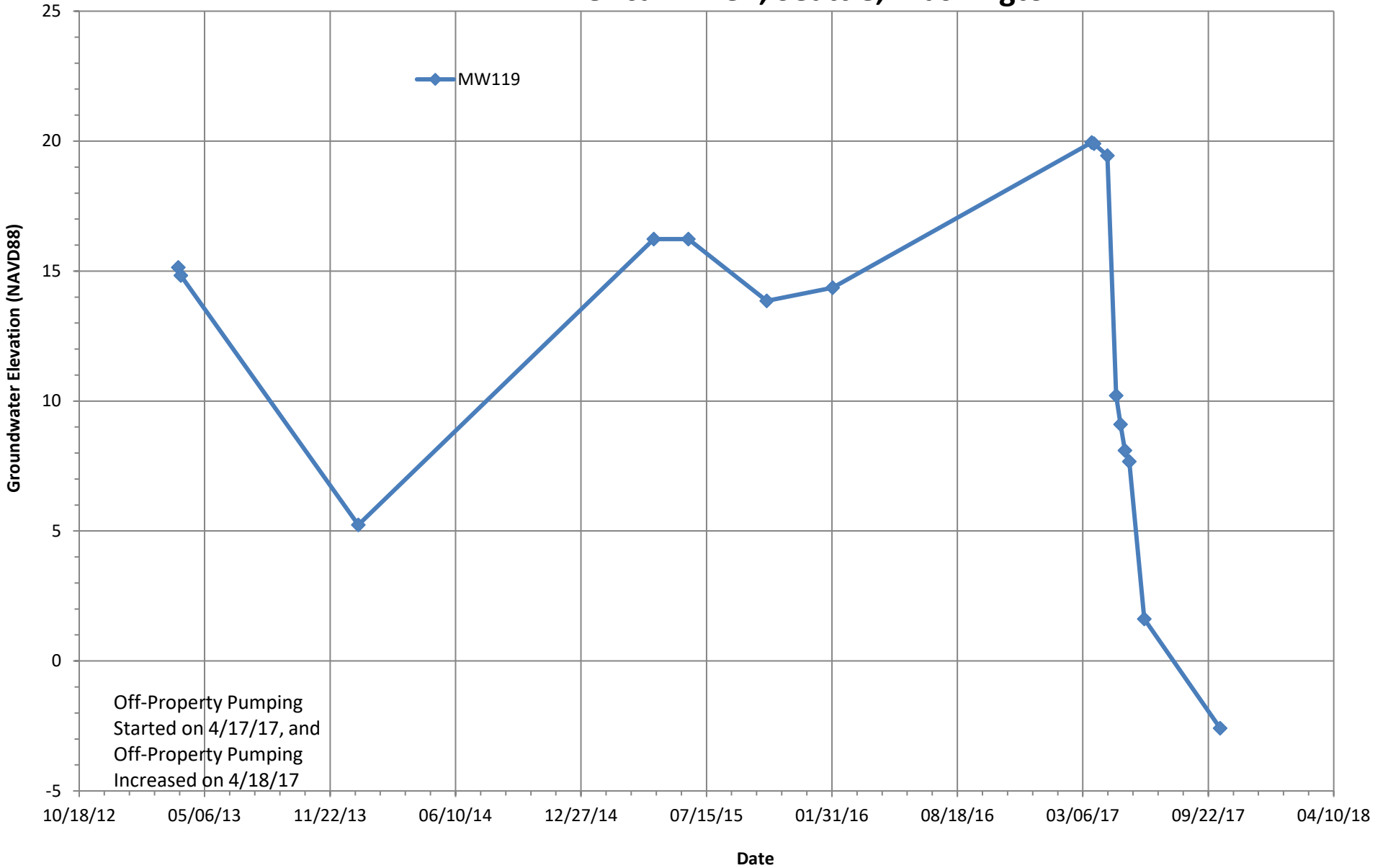
American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

Hydrograph -- MW119

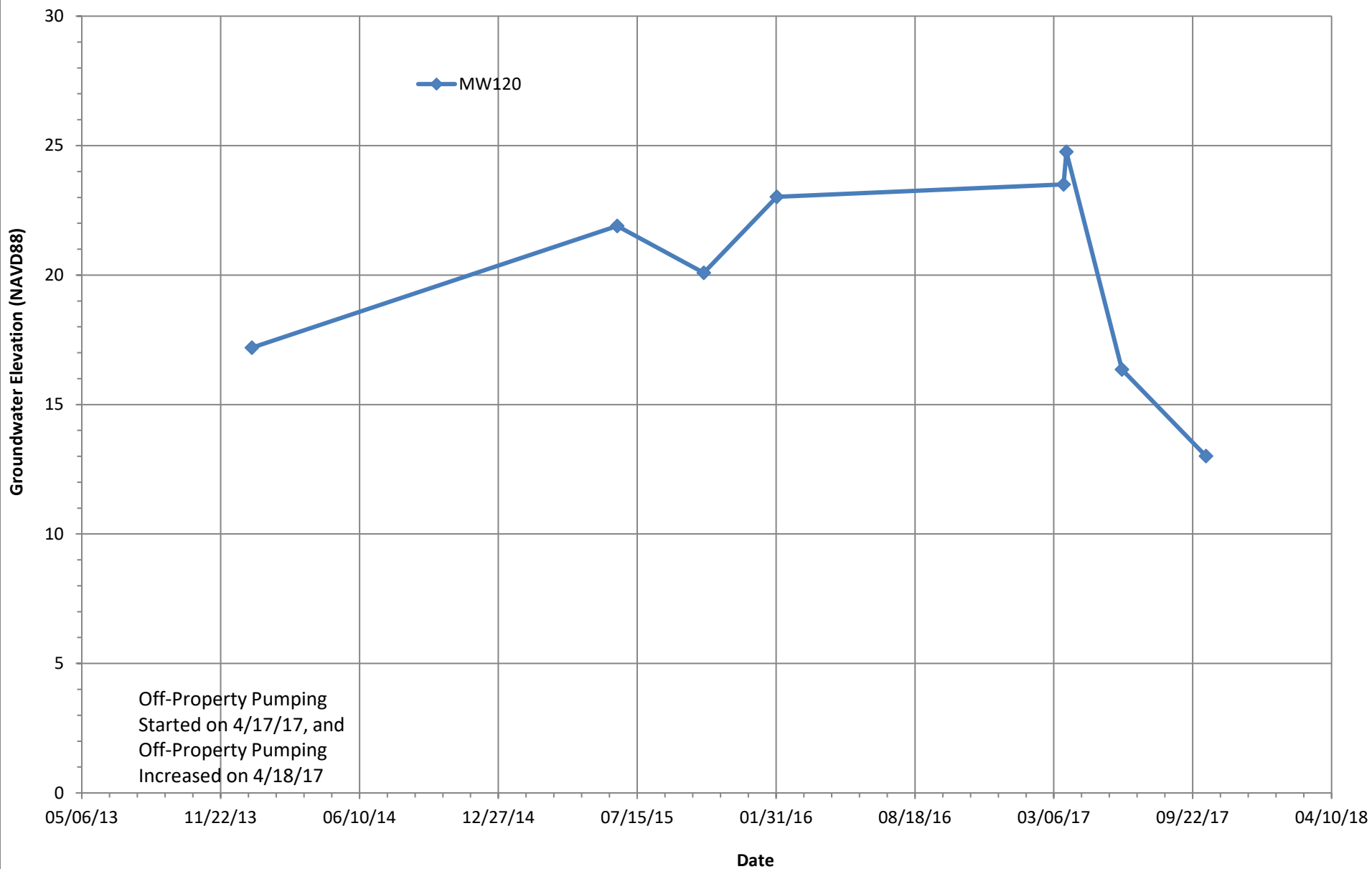
American Linen, Seattle, Washington



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Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

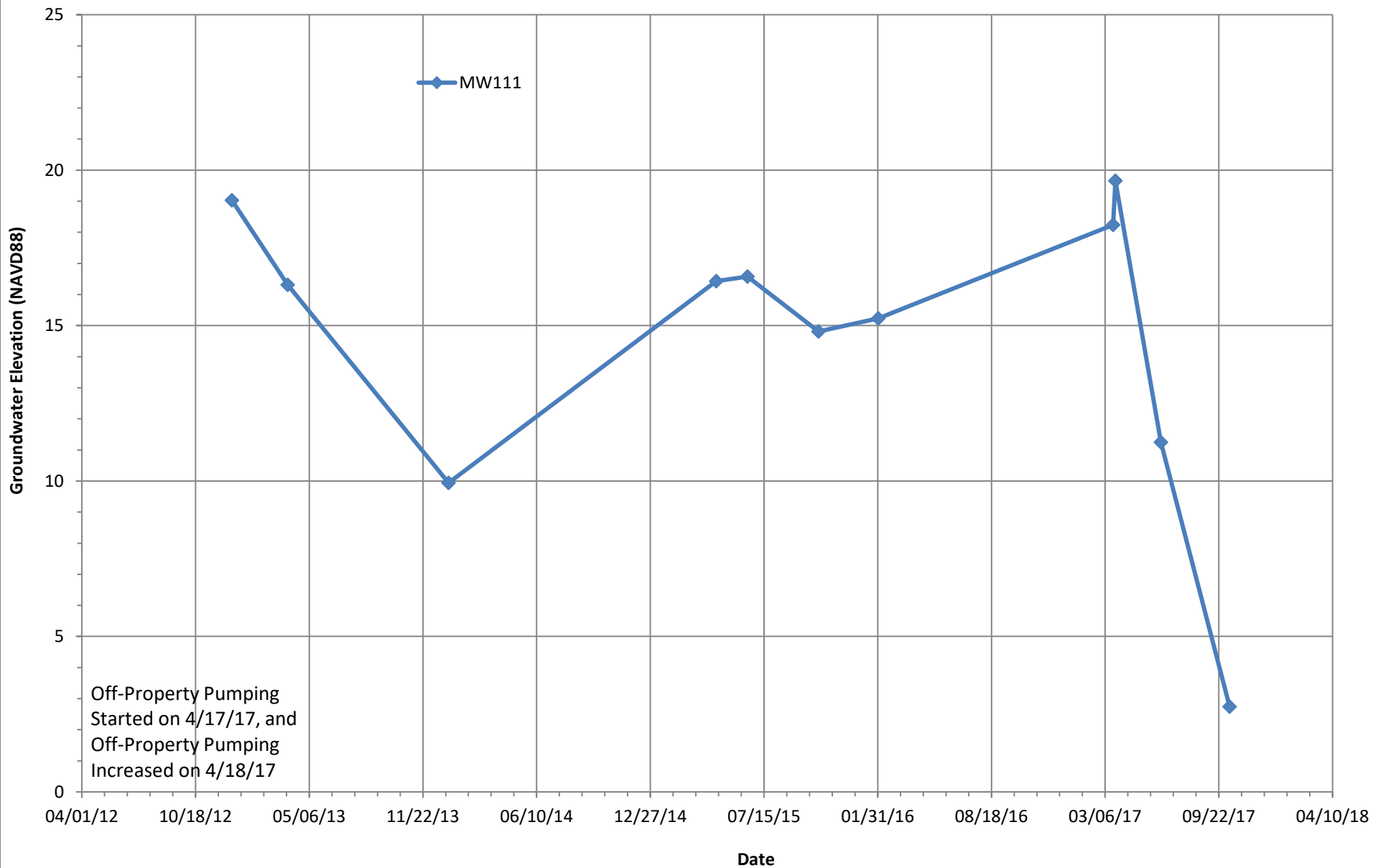
Hydrograph -- MW120

American Linen, Seattle, Washington



Hydrograph -- MW111

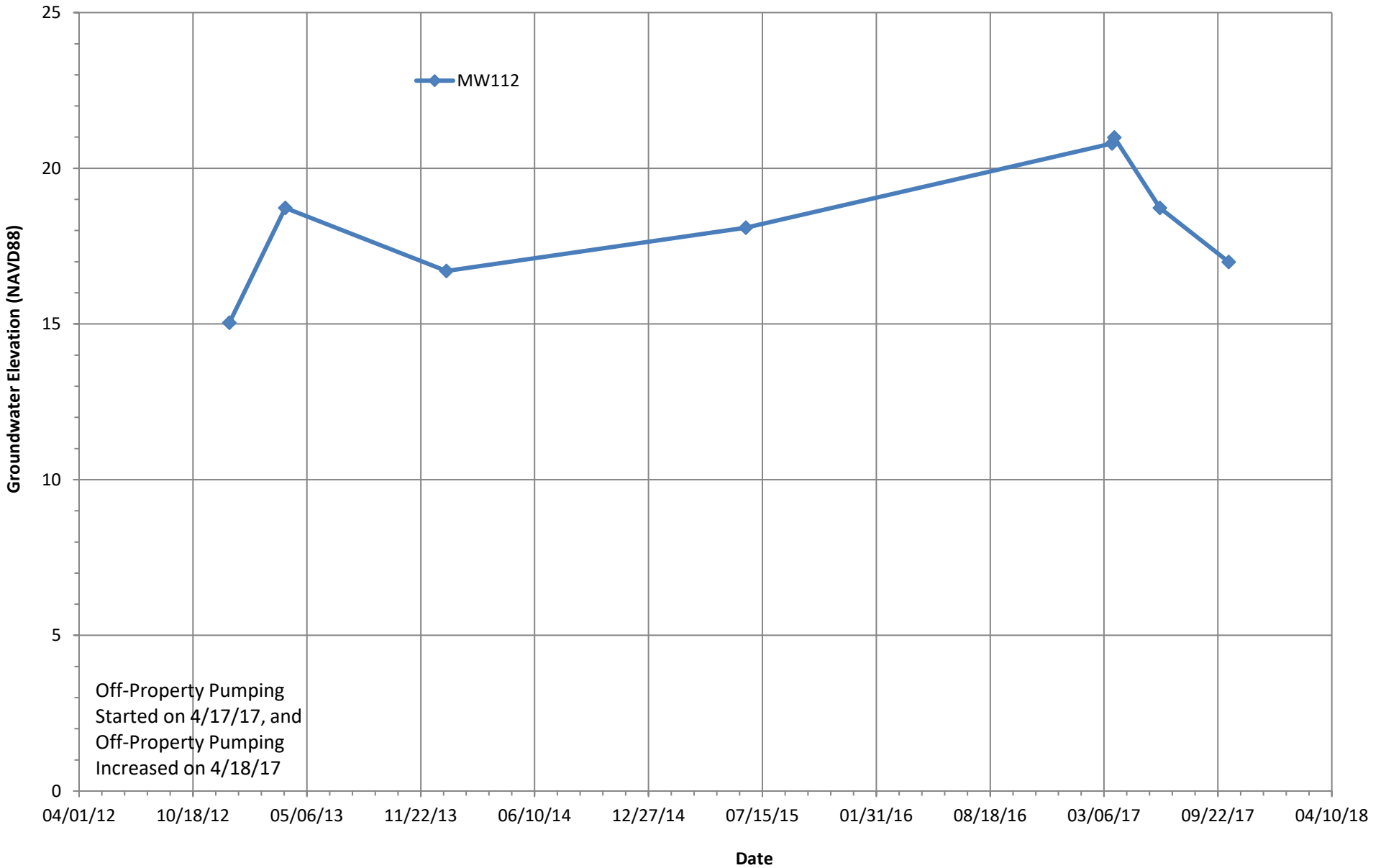
American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

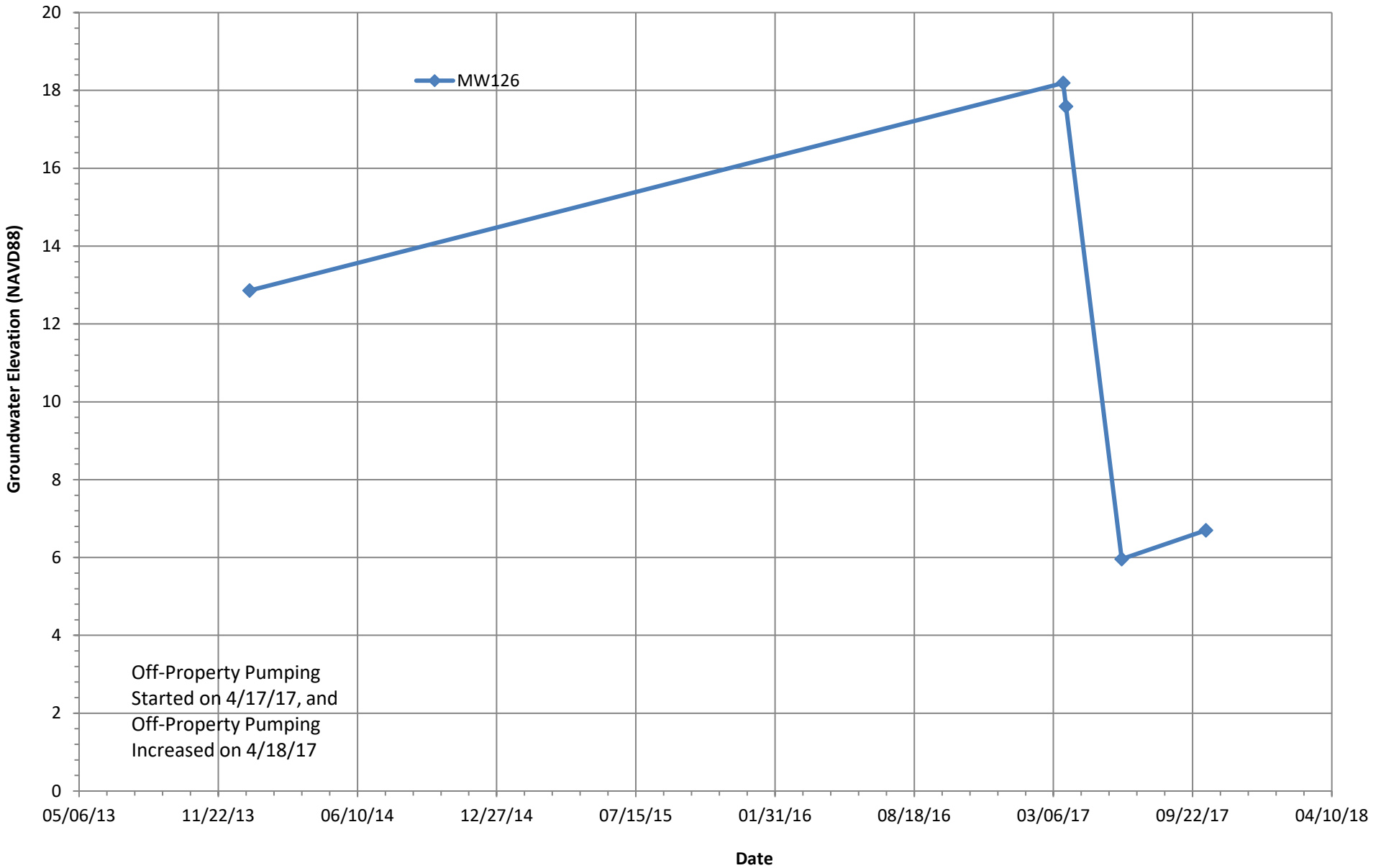
Hydrograph -- MW112

American Linen, Seattle, Washington



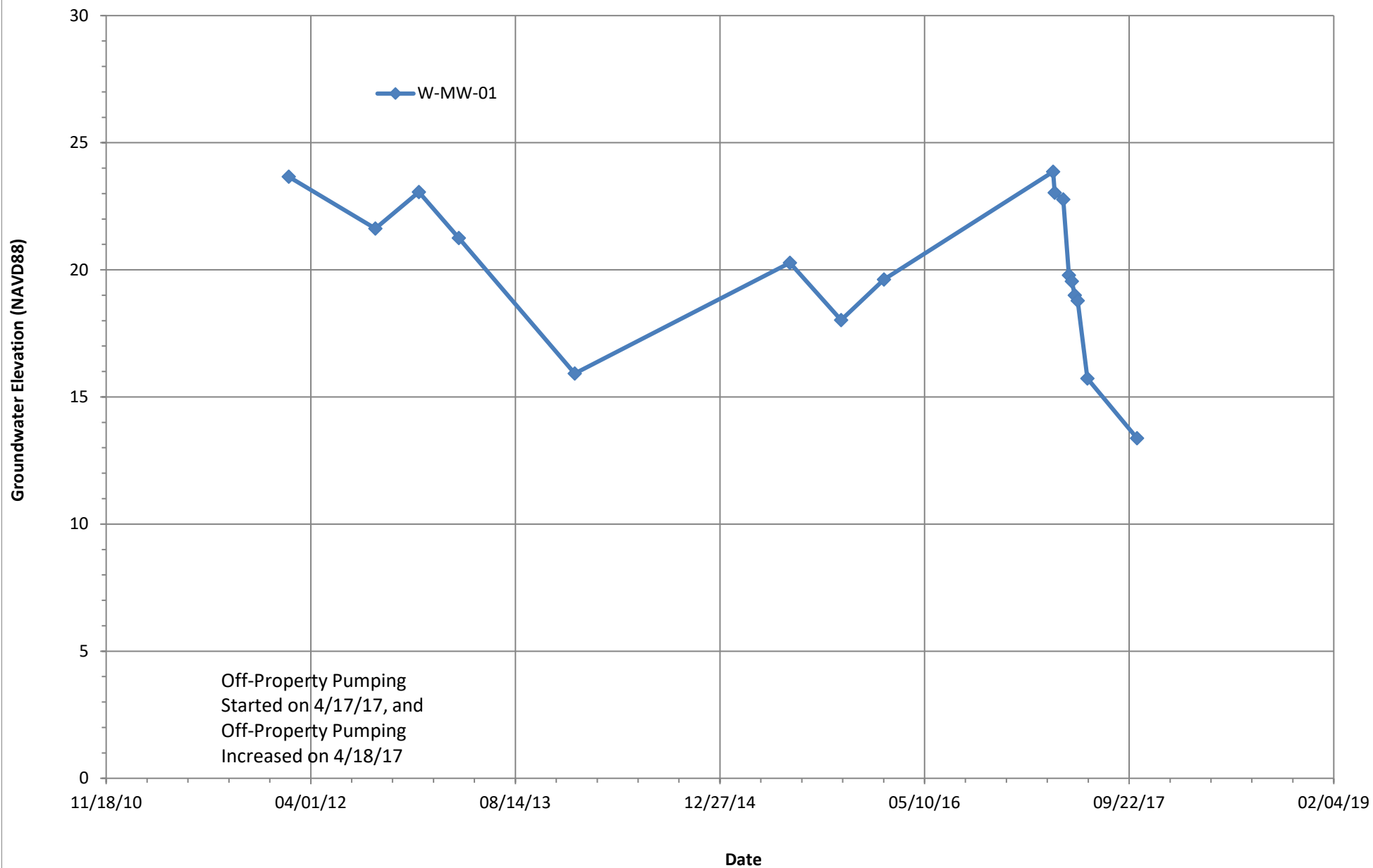
Hydrograph -- MW126

American Linen, Seattle, Washington



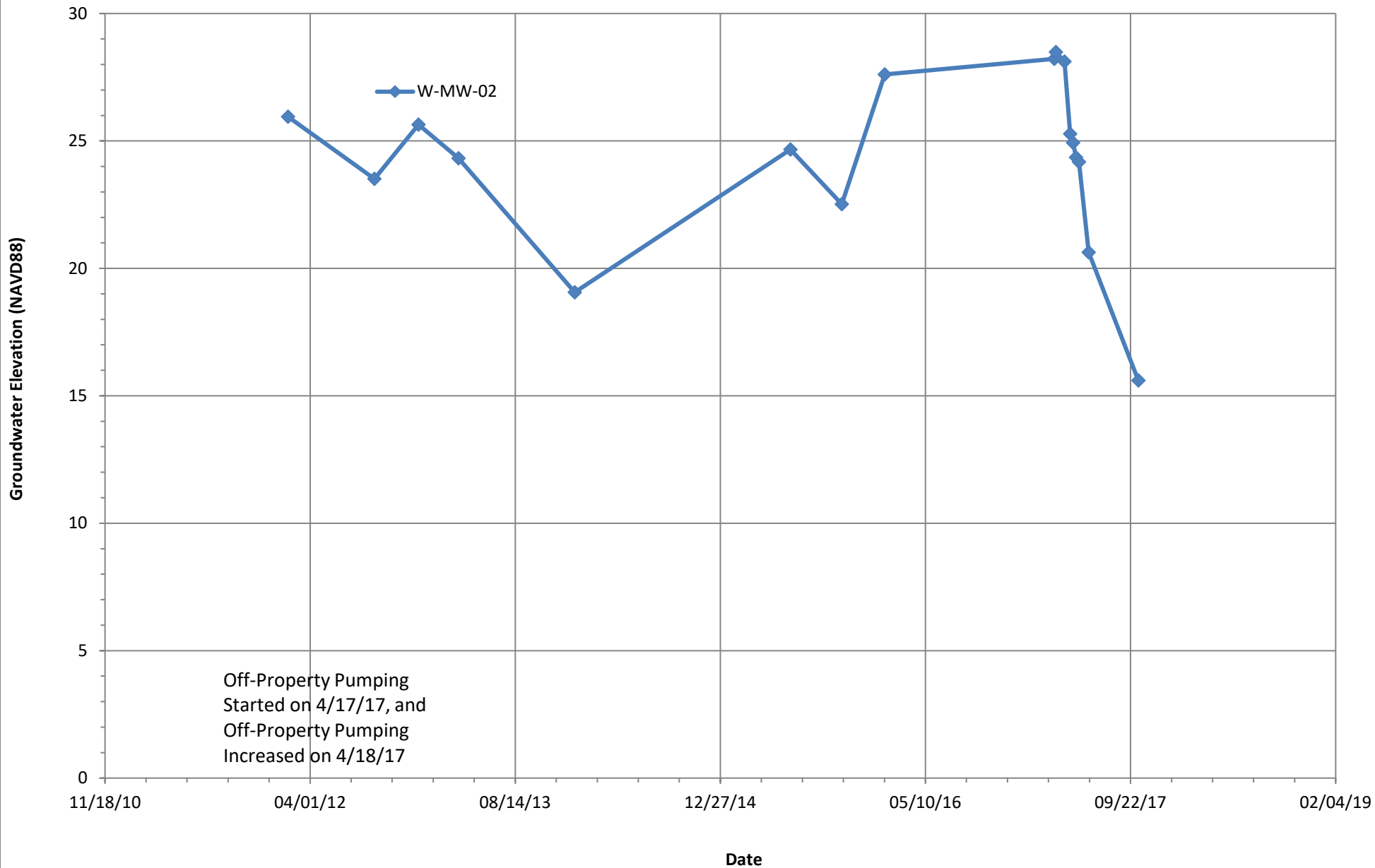
Hydrograph -- W-MW-01

American Linen, Seattle, Washington



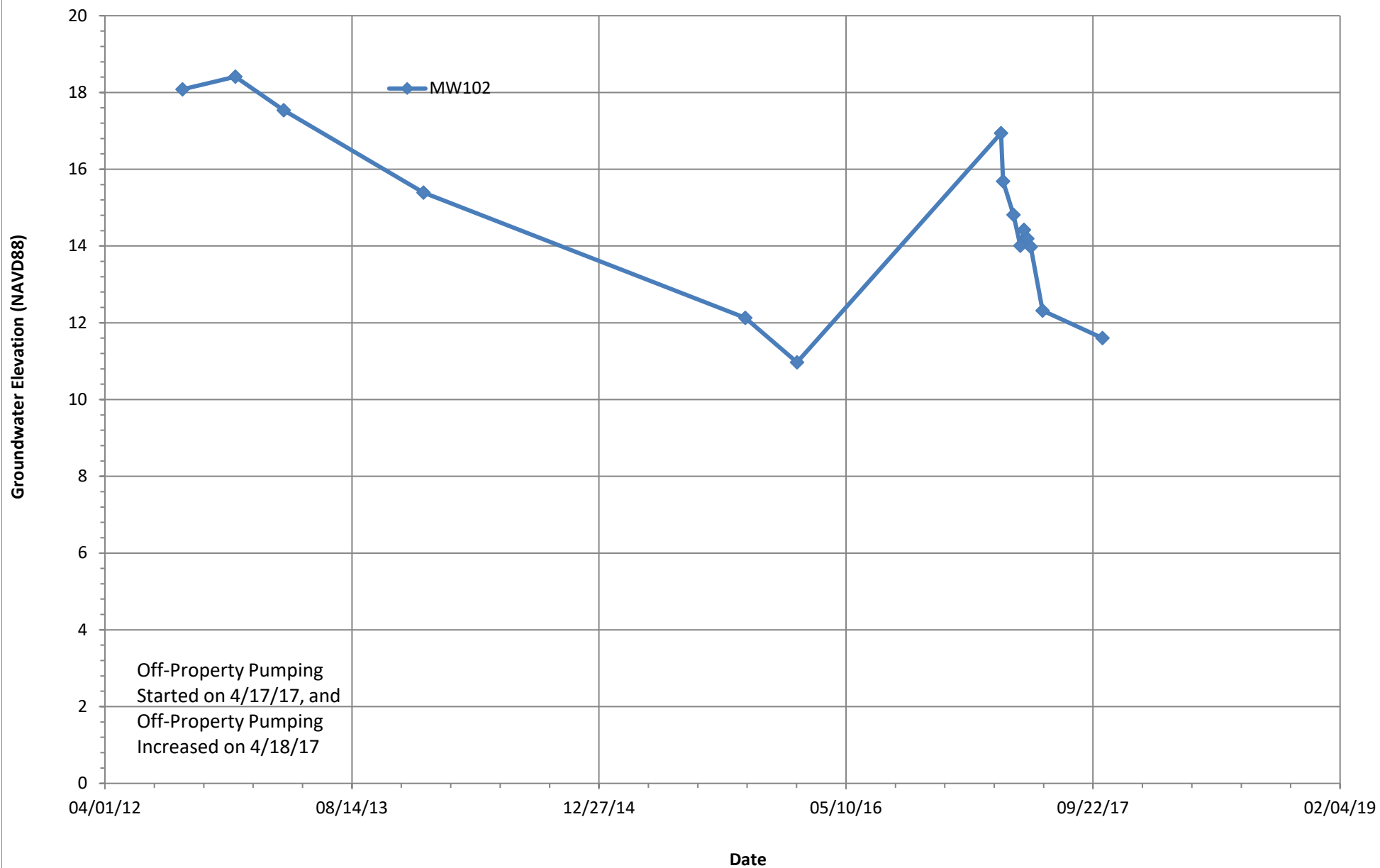
Hydrograph -- W-MW-02

American Linen, Seattle, Washington



Hydrograph -- MW102

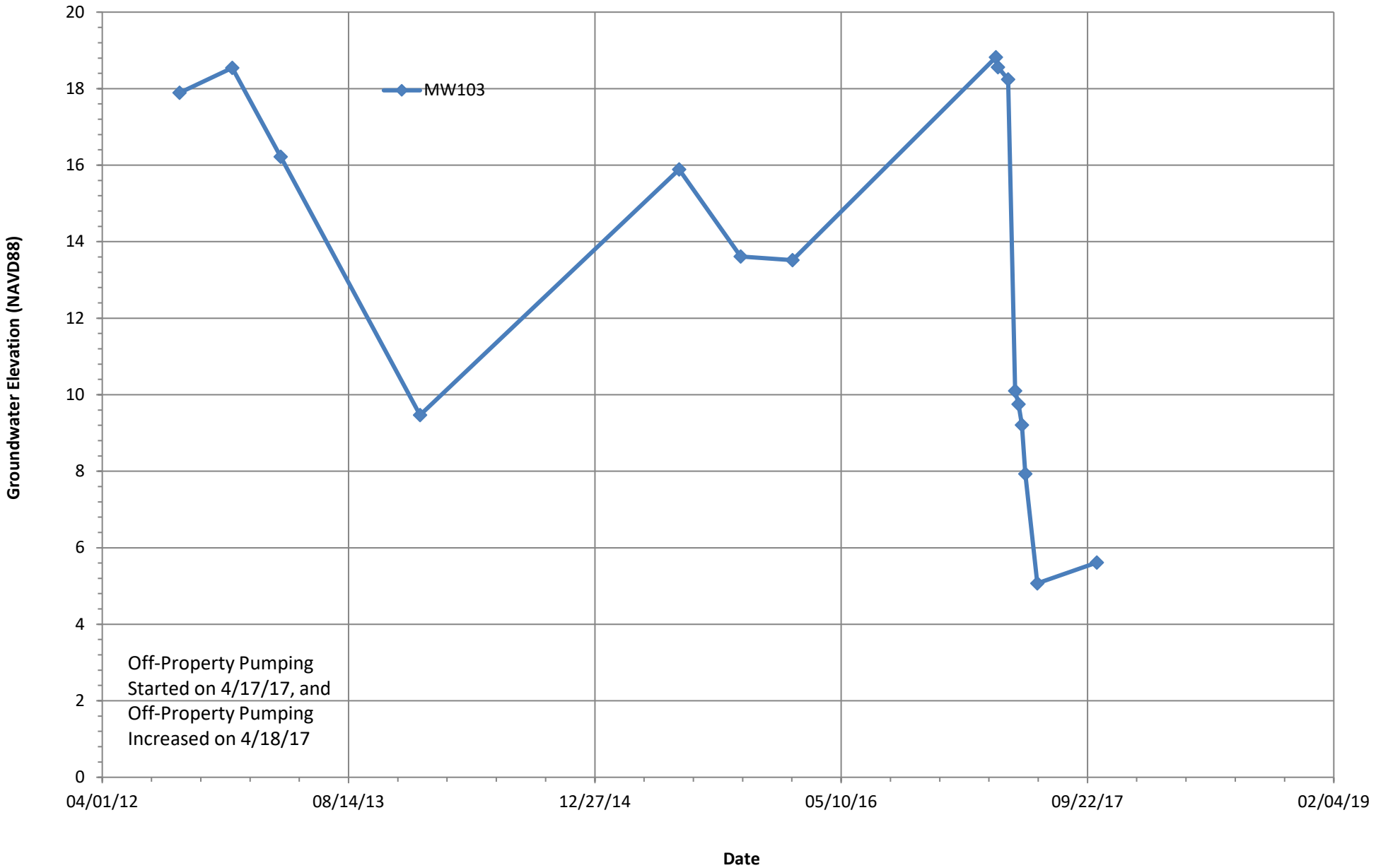
American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

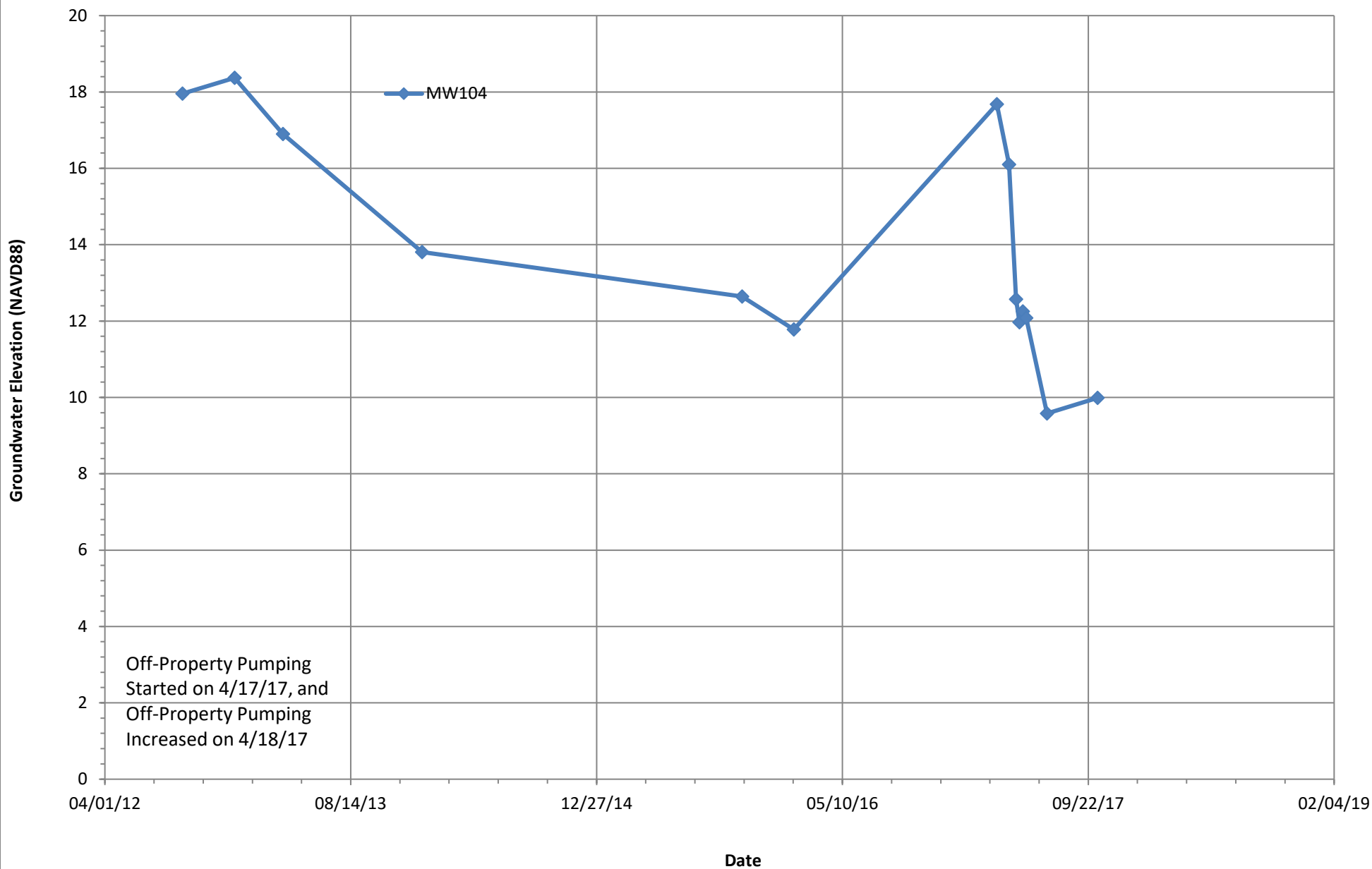
Hydrograph -- MW103

American Linen, Seattle, Washington



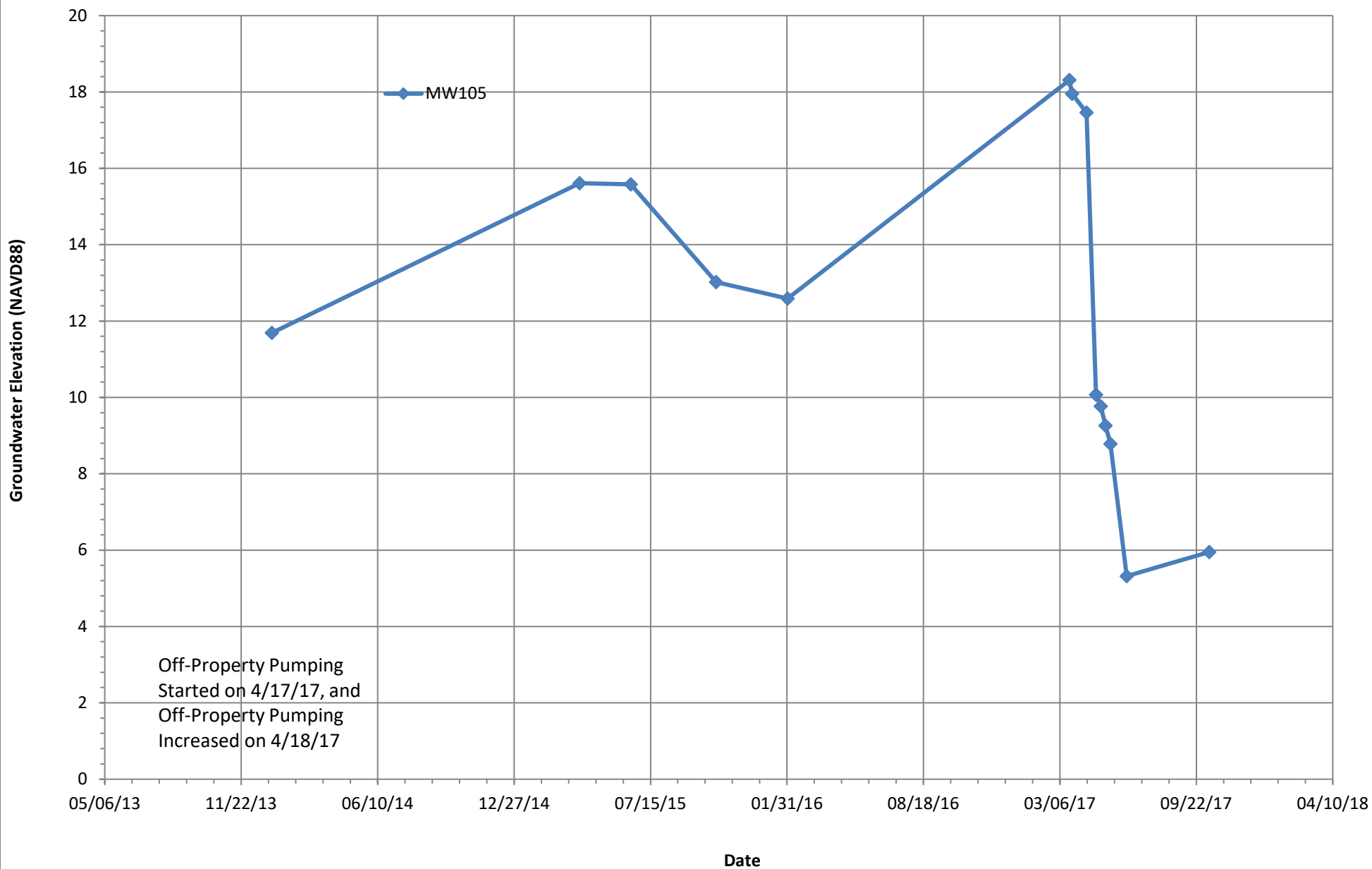
Hydrograph -- MW104

American Linen, Seattle, Washington



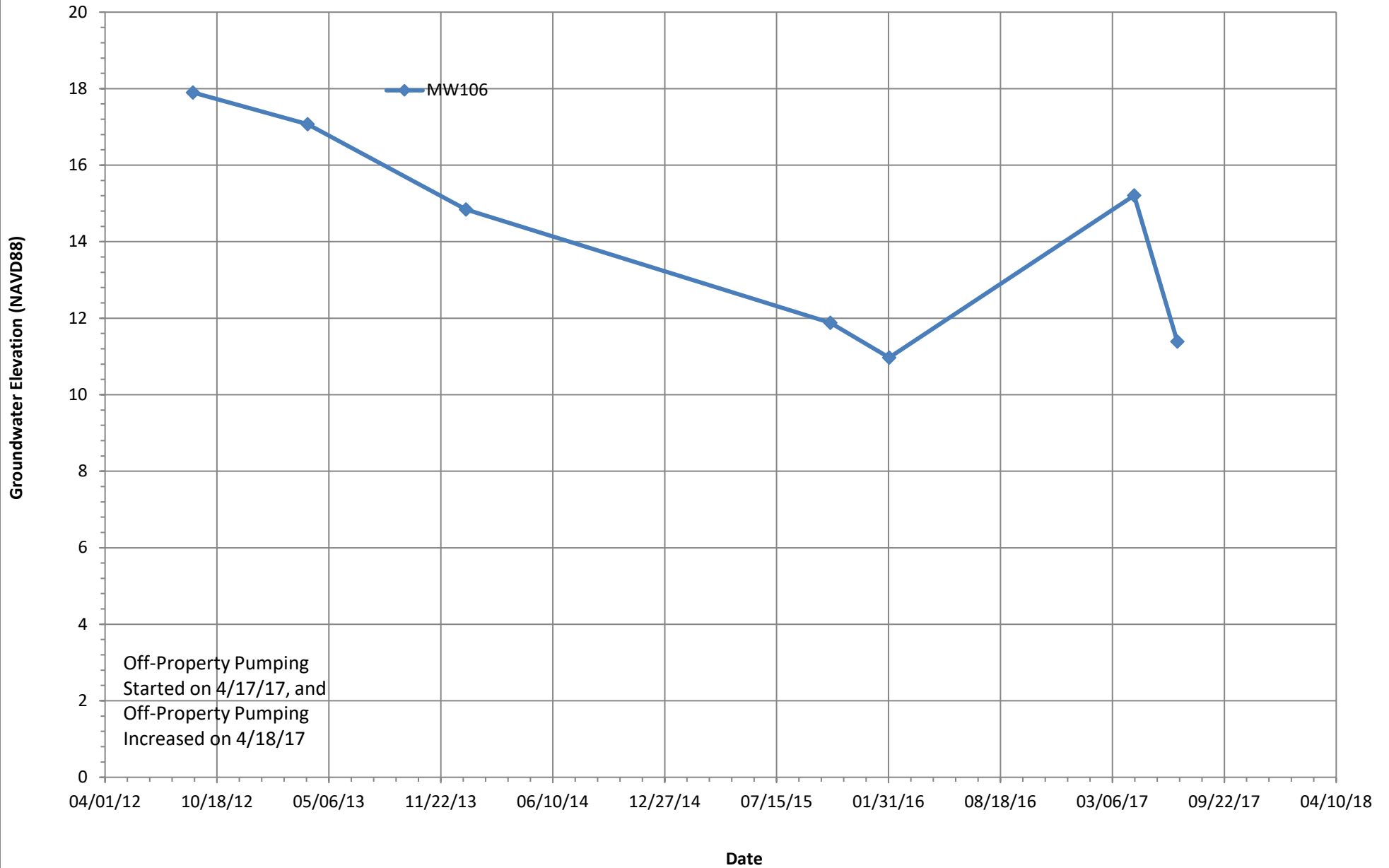
Hydrograph -- MW105

American Linen, Seattle, Washington



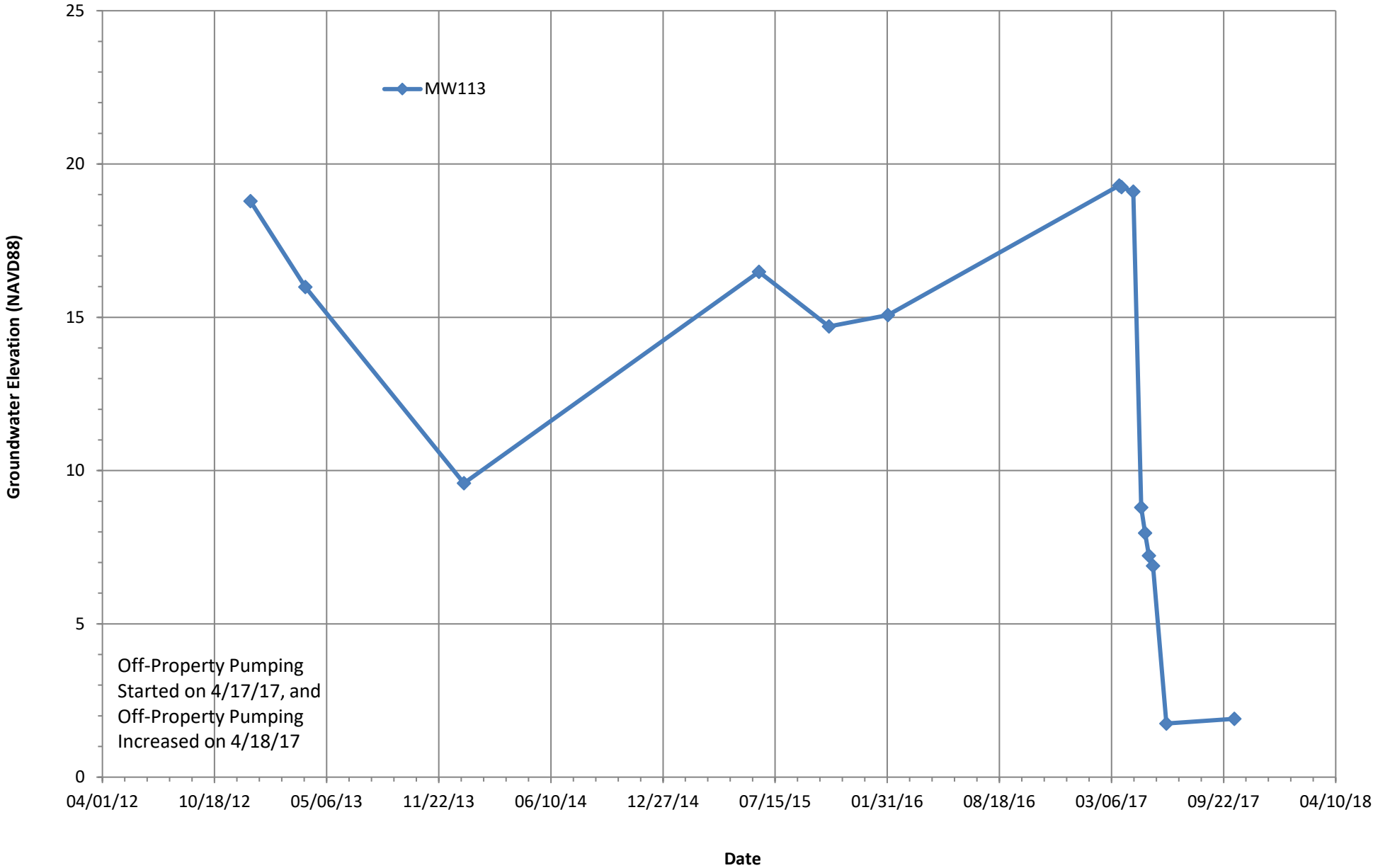
Hydrograph -- MW106

American Linen, Seattle, Washington



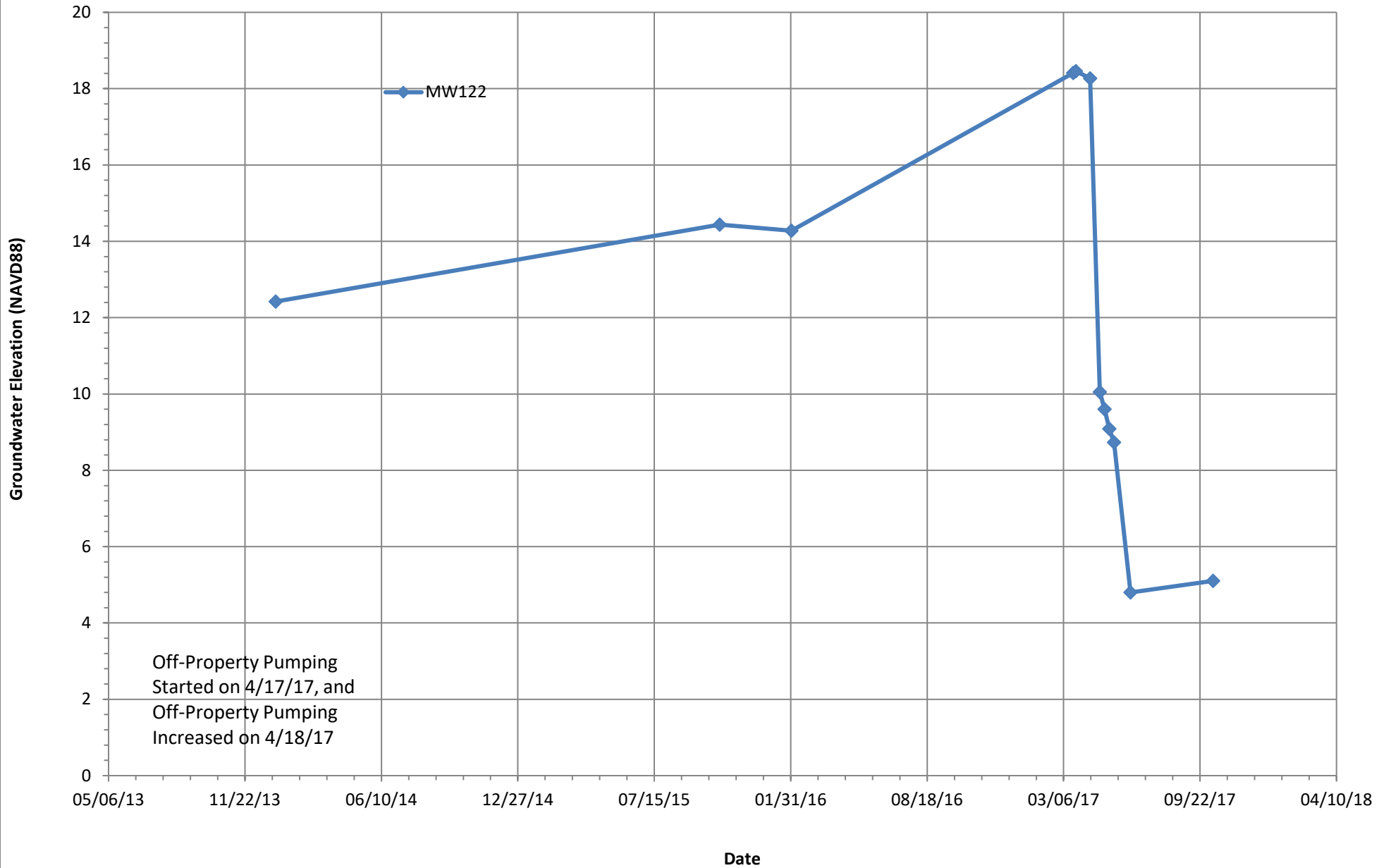
Hydrograph -- MW113

American Linen, Seattle, Washington



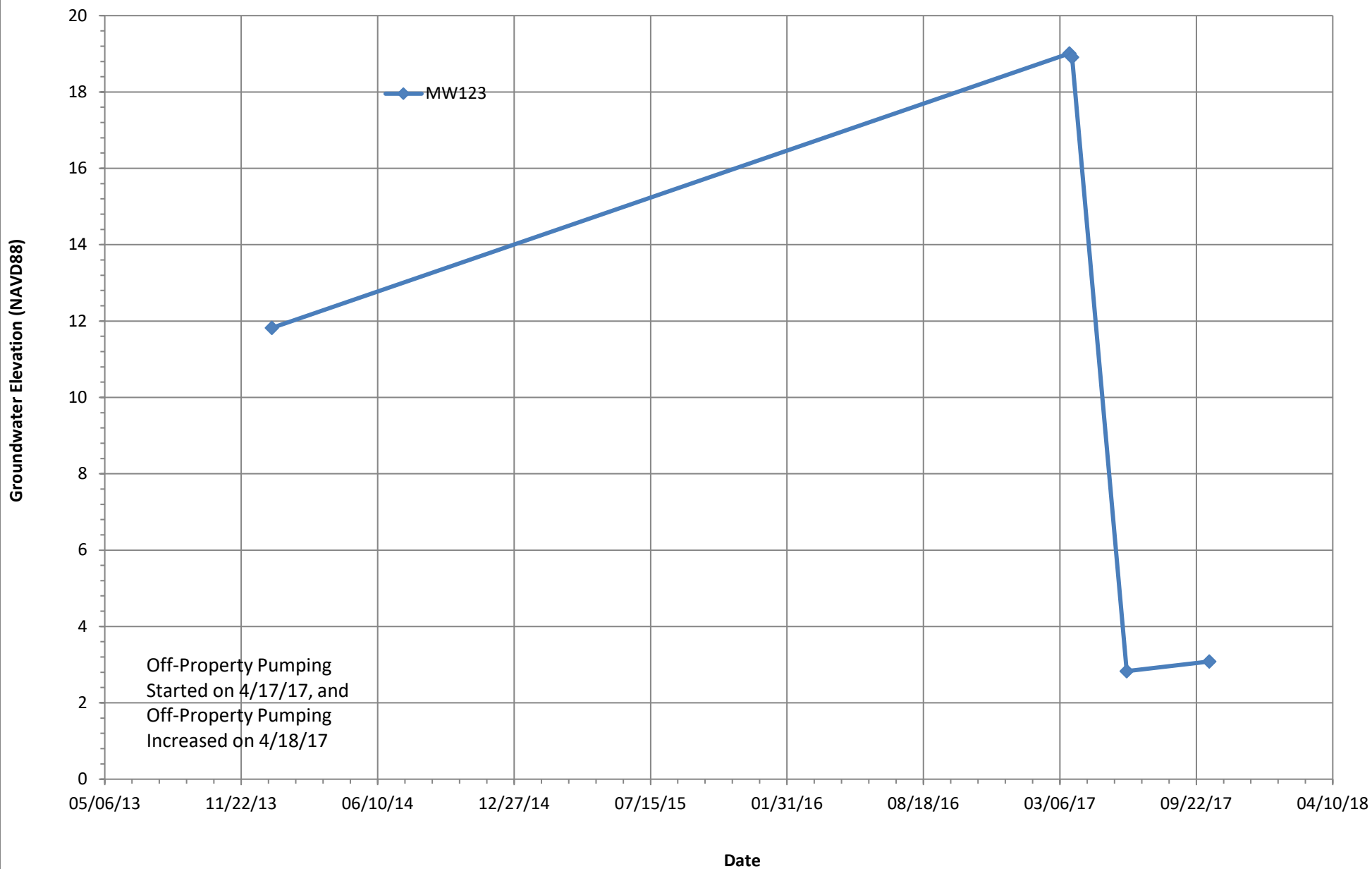
Hydrograph -- MW122

American Linen, Seattle, Washington



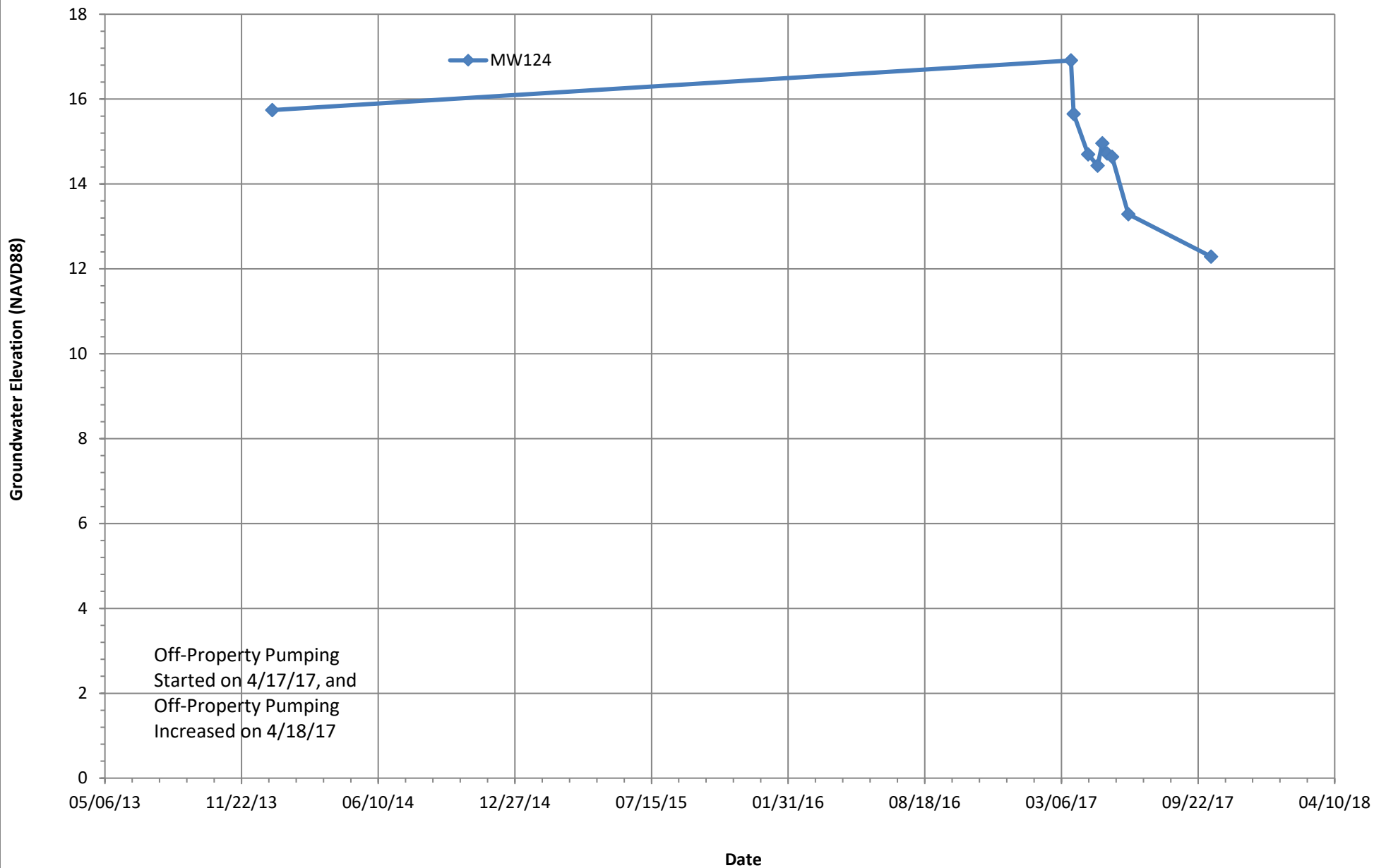
Hydrograph -- MW123

American Linen, Seattle, Washington

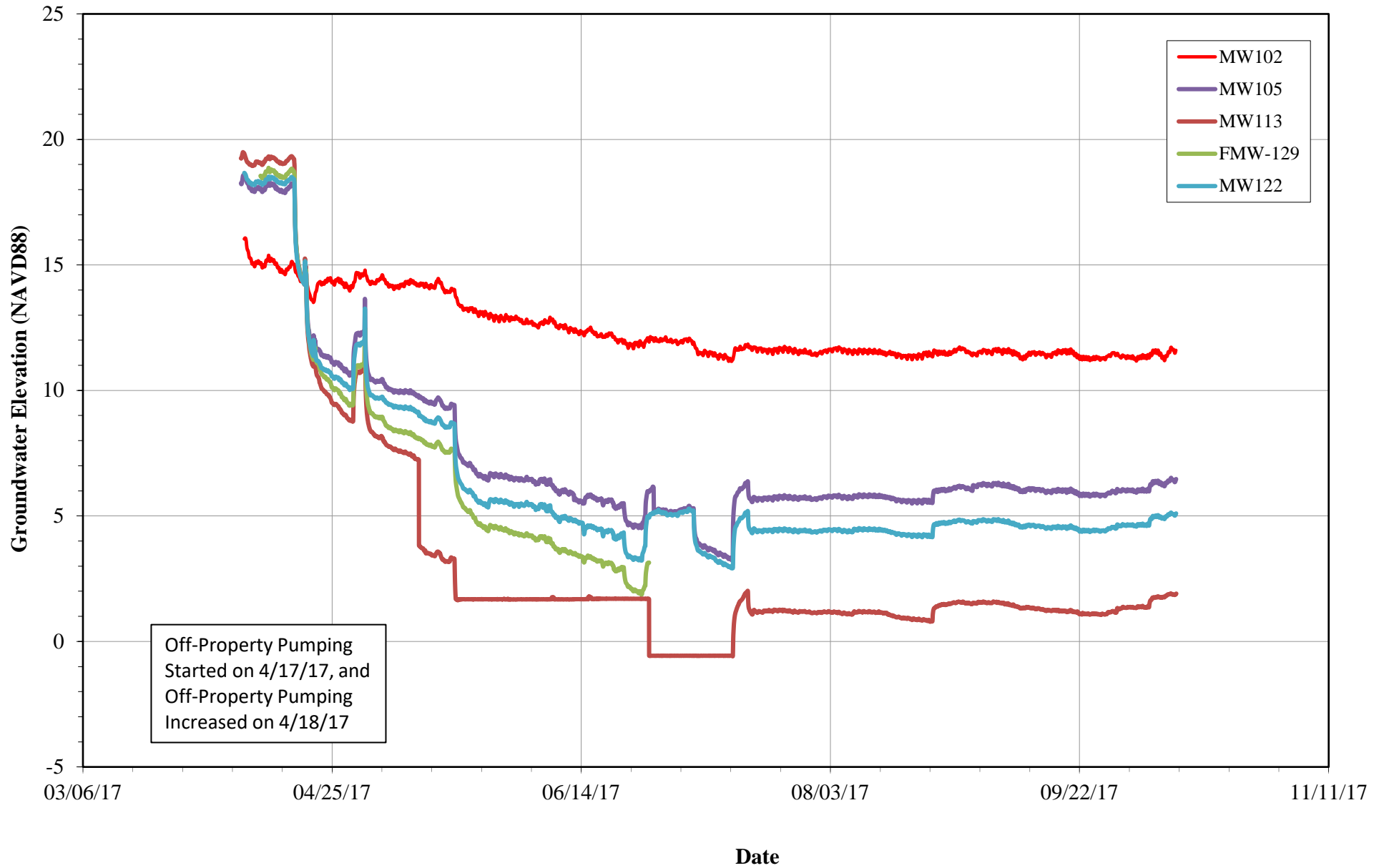


Hydrograph -- MW124

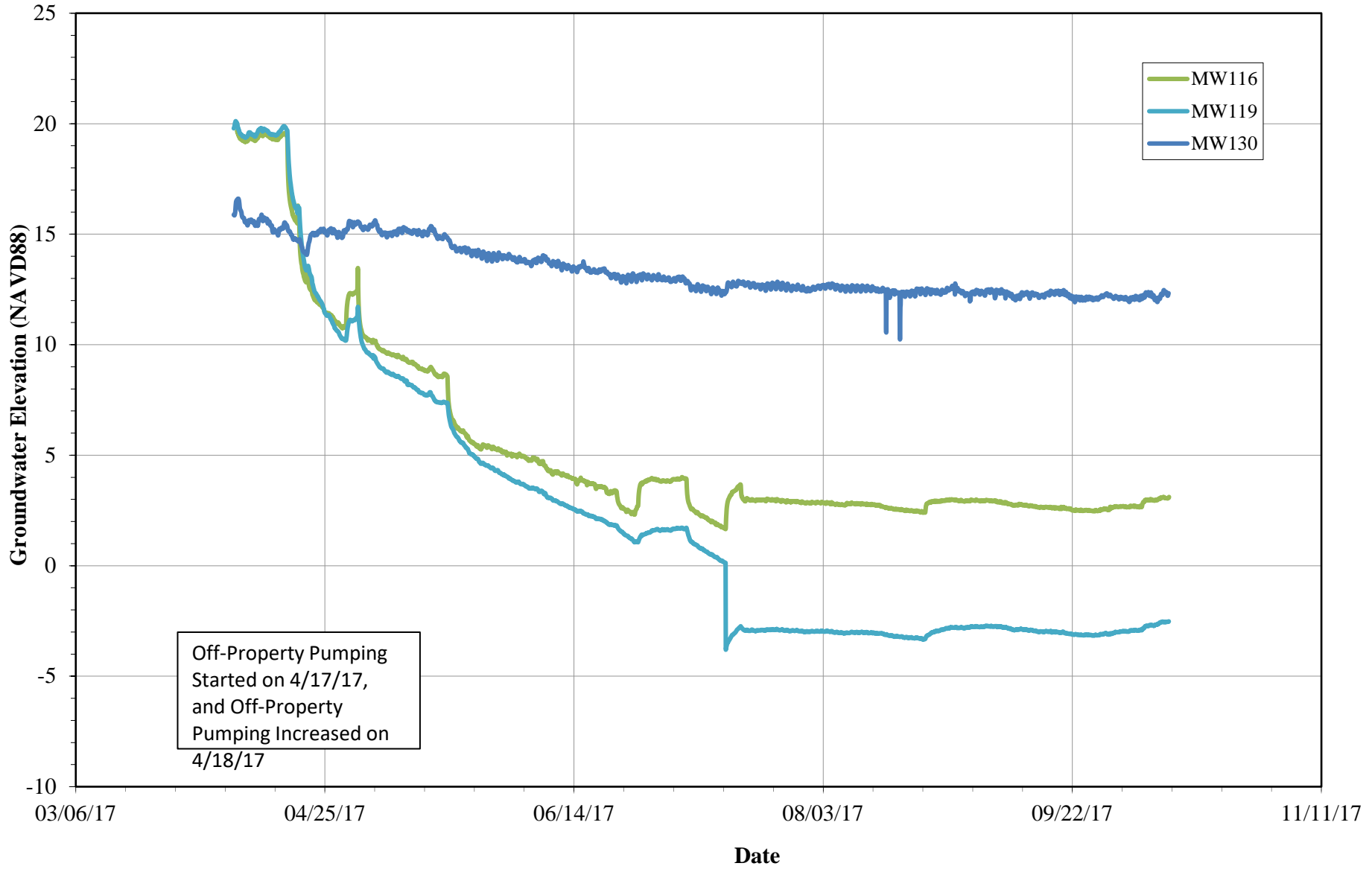
American Linen, Seattle, Washington



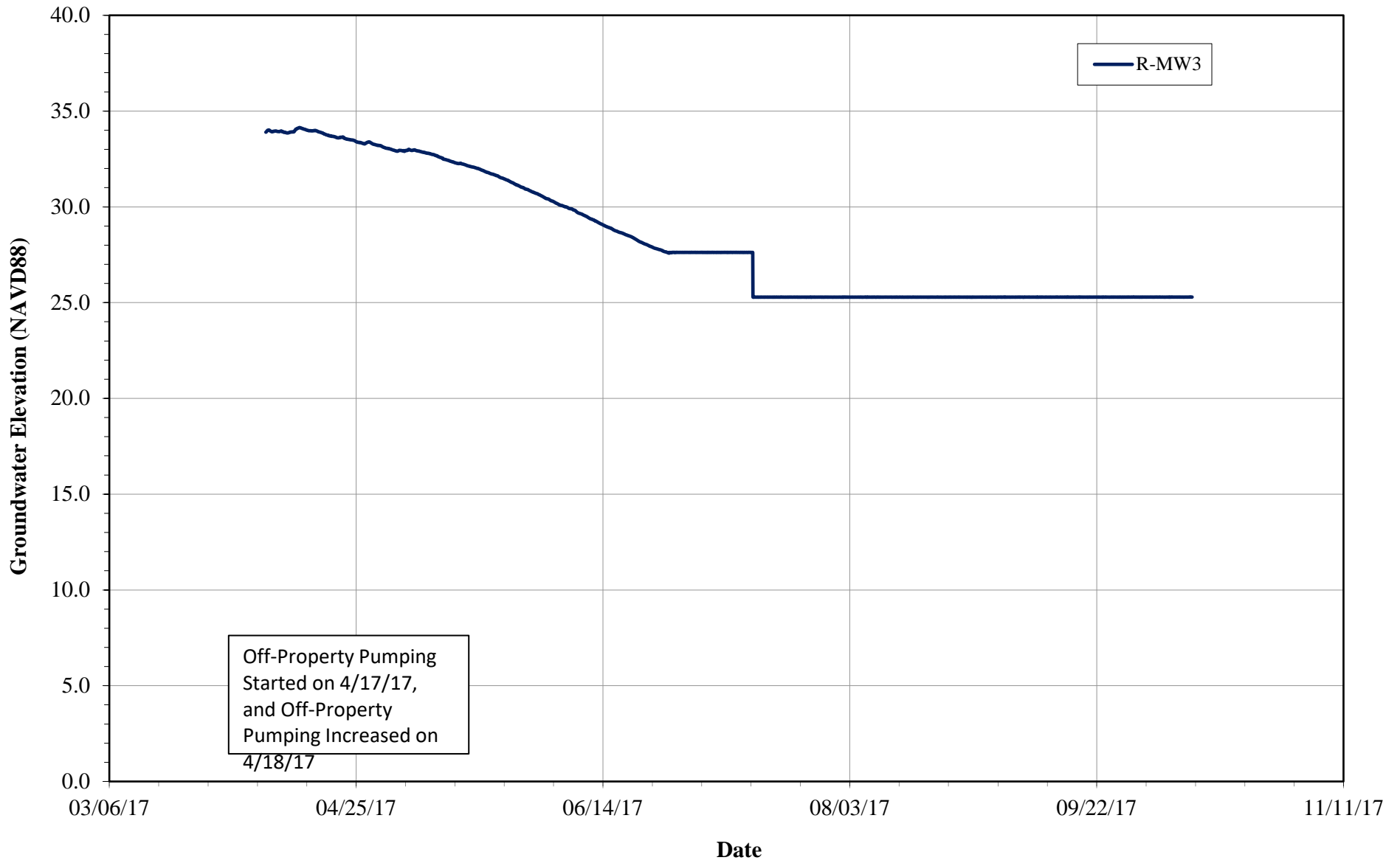
Hydrograph -- Deep Water Bearing Zone American Linen, Seattle, Washington



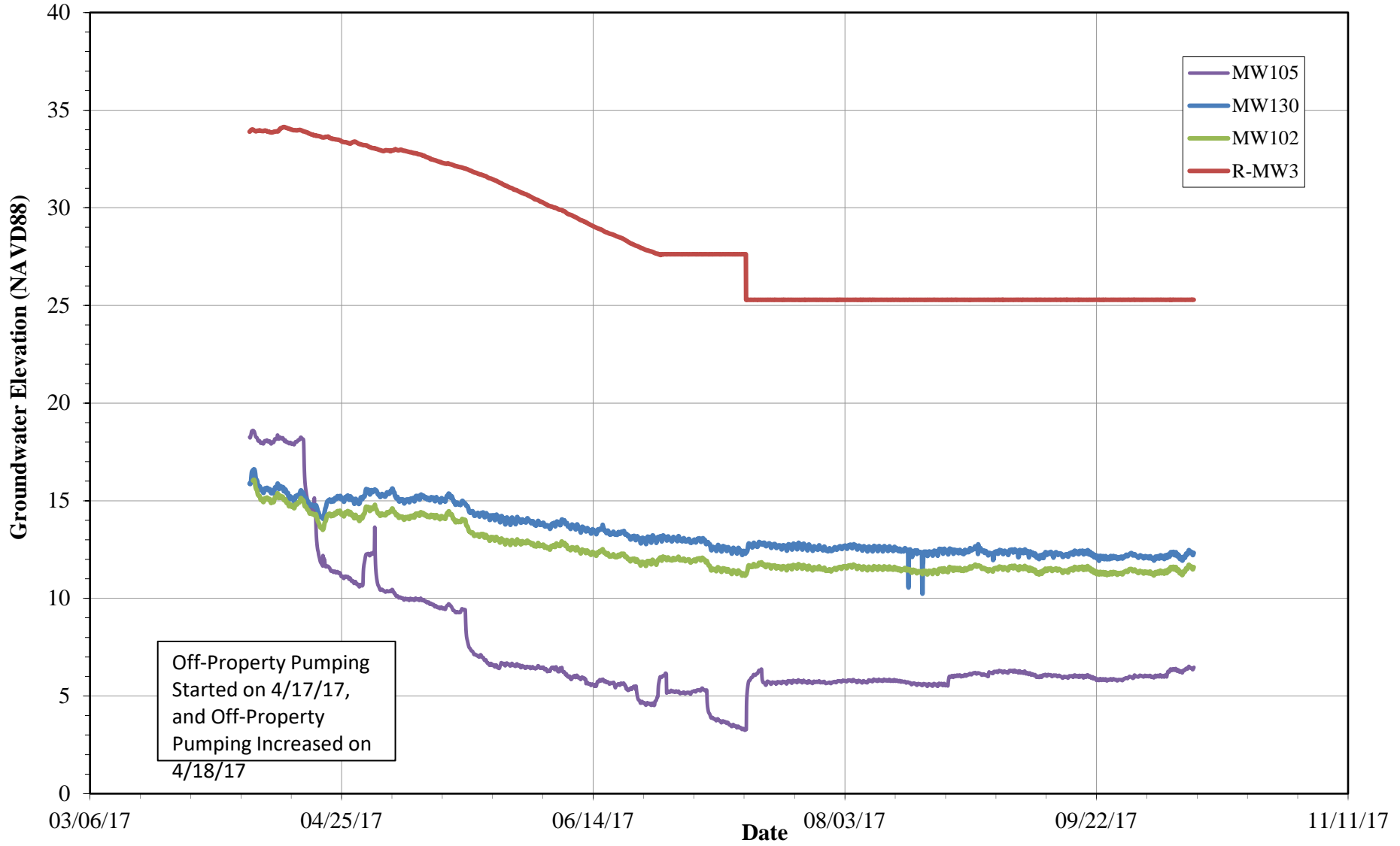
**Hydrograph -- Intermediate Water Bearing Zone
American Linen, Seattle, Washington**



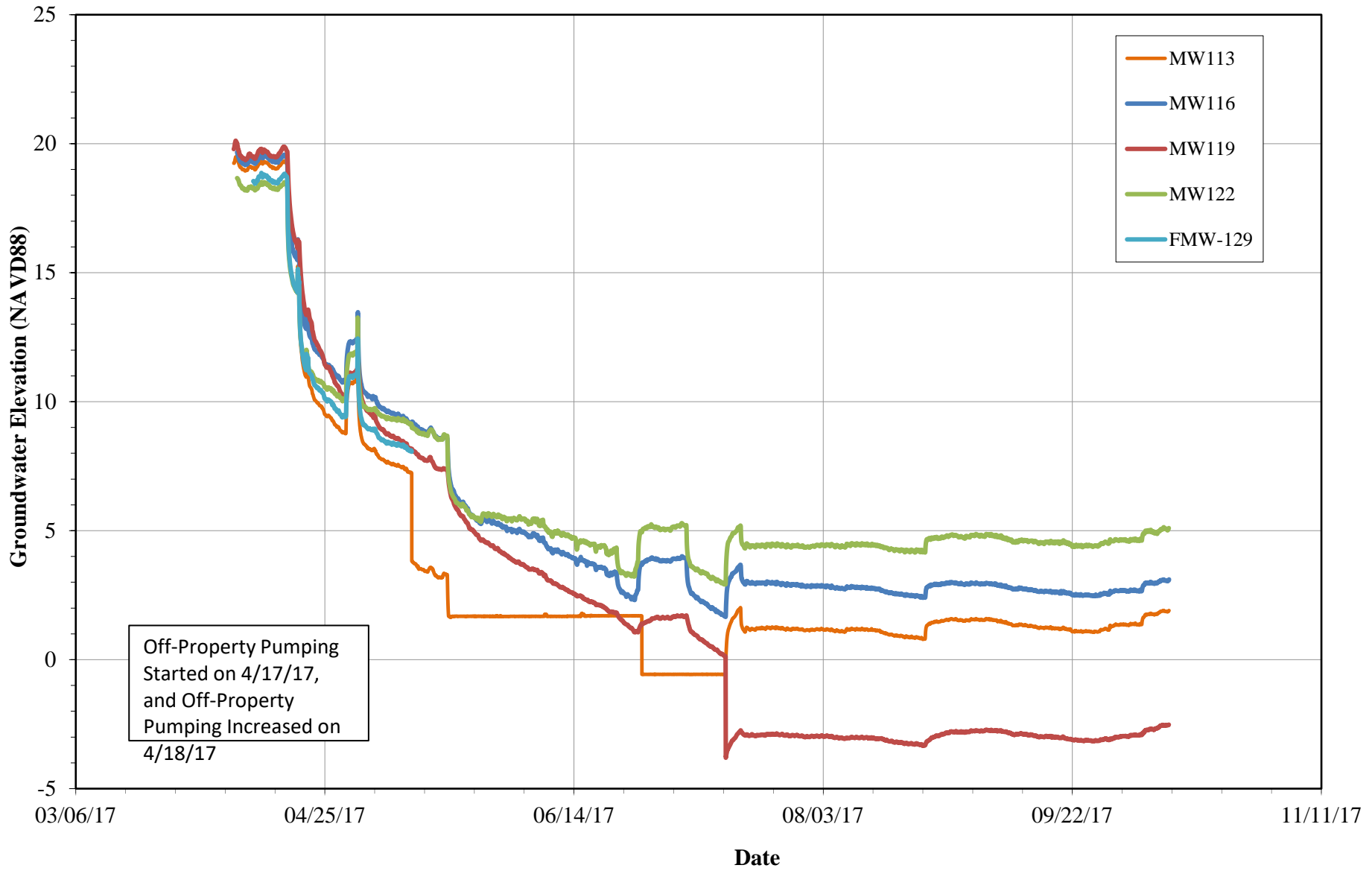
Hydrograph -- Shallow Water Bearing Zone American Linen, Seattle, Washington



Hydrograph -- Wells West of Alley Between 8th & 9th Avenue North American Linen, Seattle, Washington

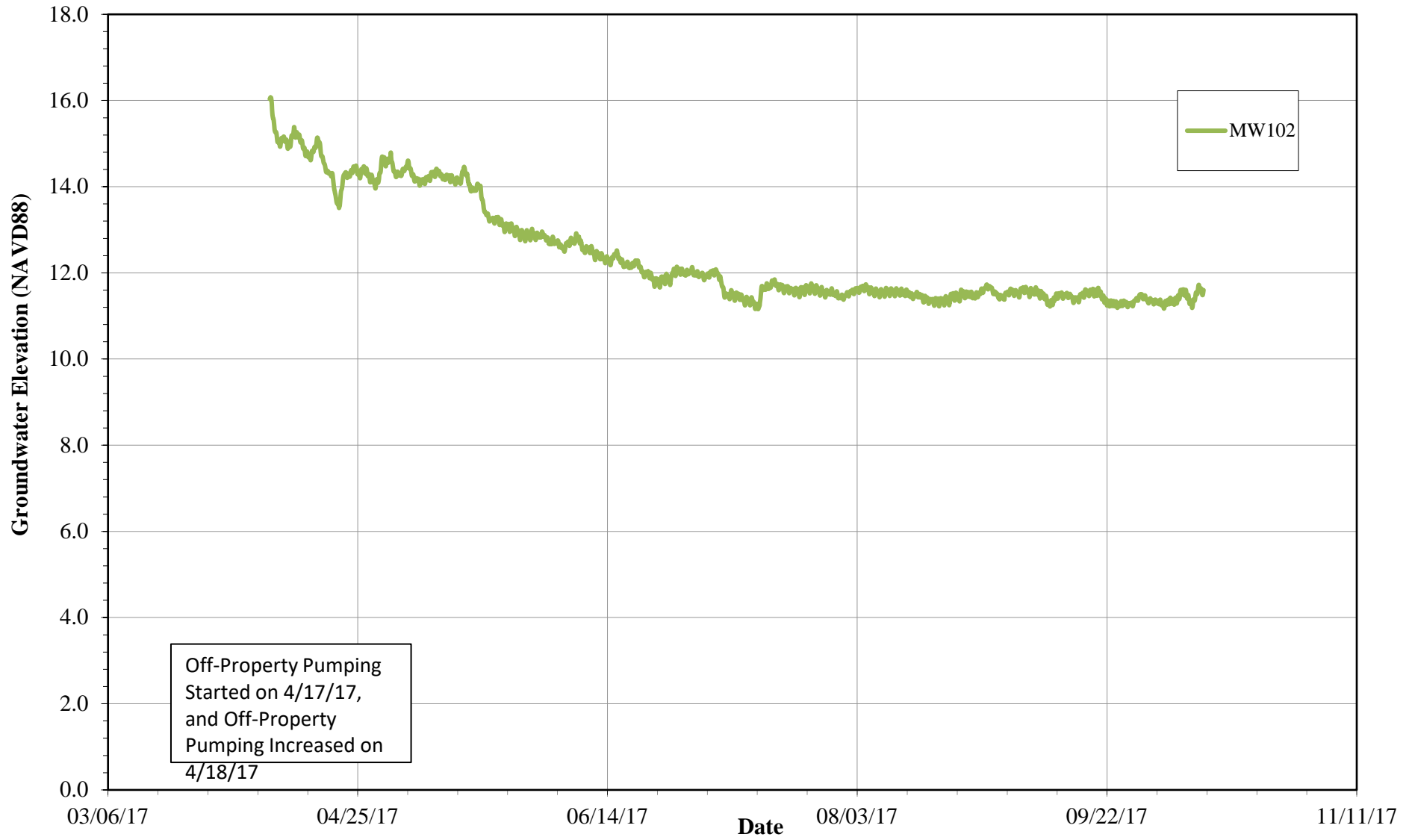


Hydrograph -- Wells East of Alley Between 8th & 9th Avenue North American Linen, Seattle, Washington

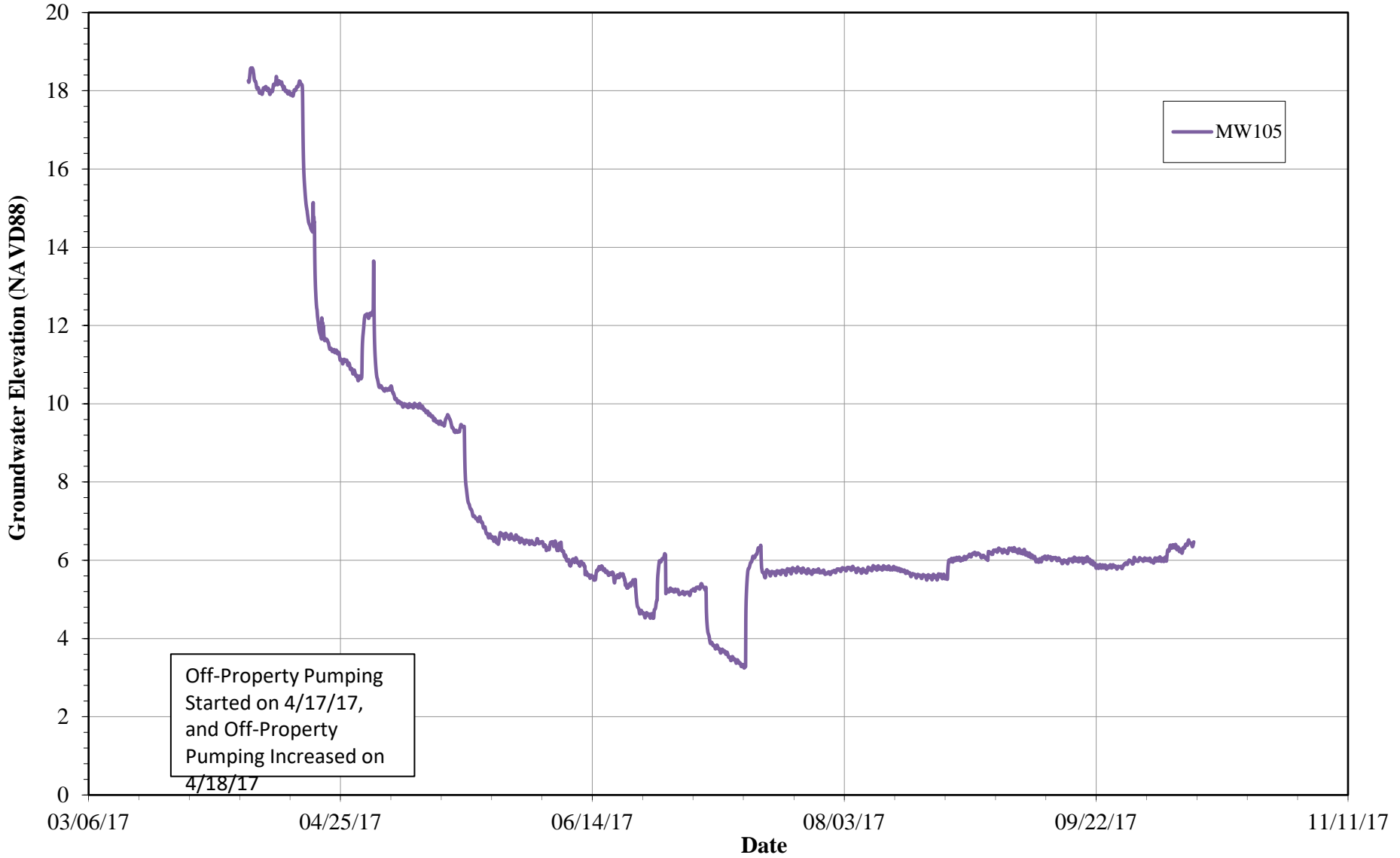


Off-Property Pumping Started on 4/17/17, and Off-Property Pumping Increased on 4/18/17

Hydrograph -- MW102 American Linen, Seattle, Washington

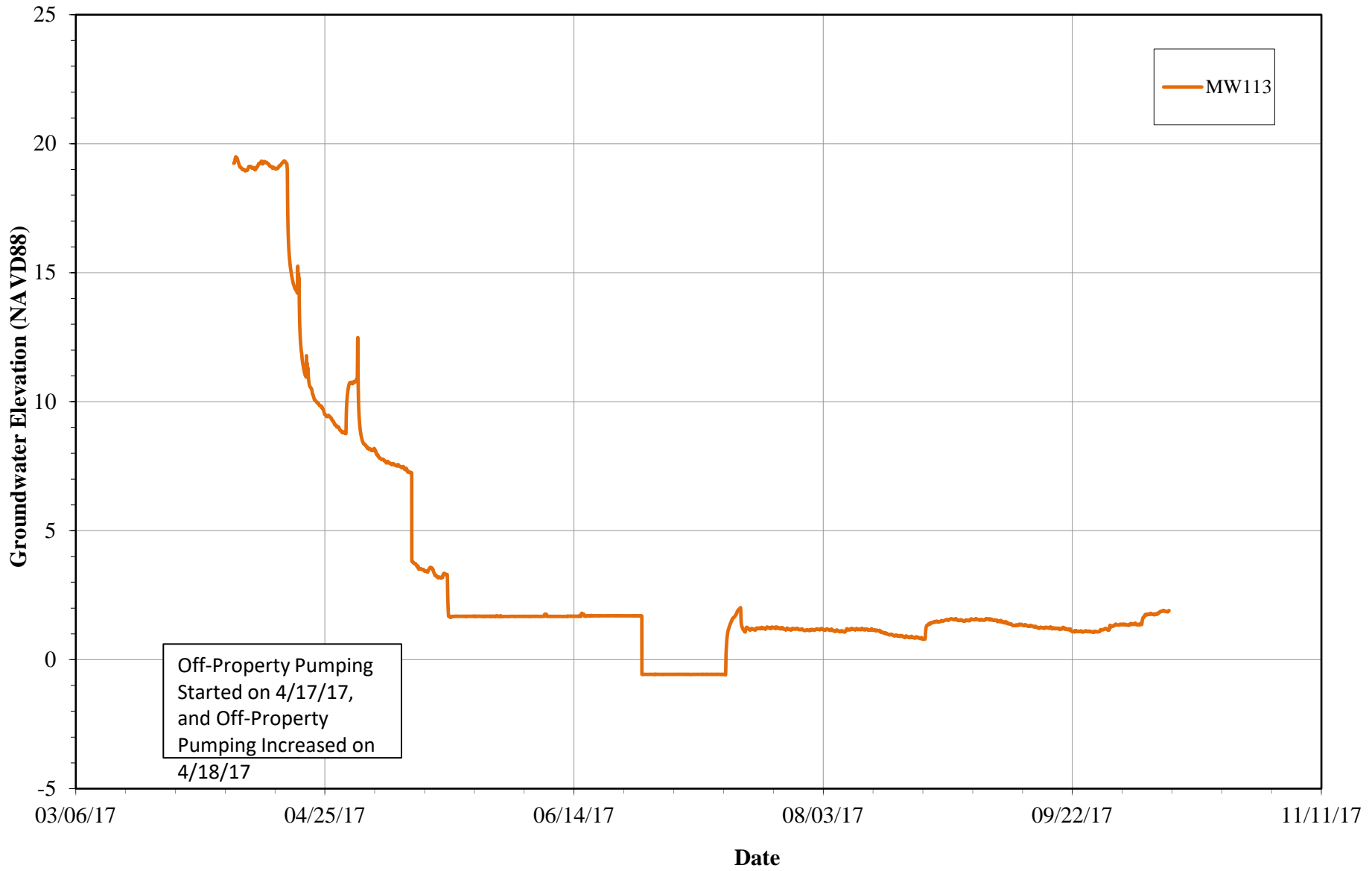


Hydrograph -- MW105
American Linen, Seattle, Washington



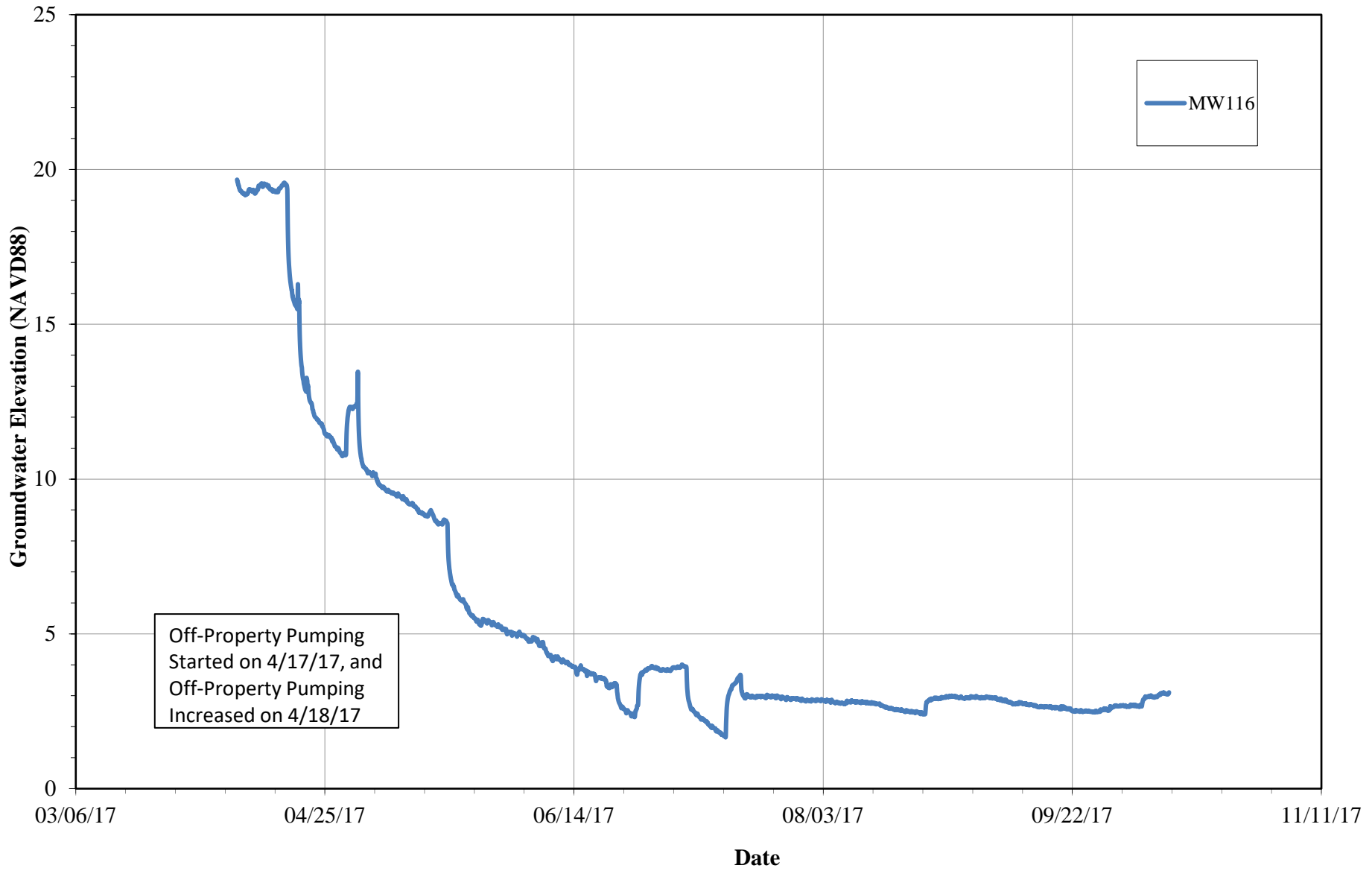
Off-Property Pumping
Started on 4/17/17,
and Off-Property
Pumping Increased on
4/18/17

Hydrograph -- MW113 American Linen, Seattle, Washington



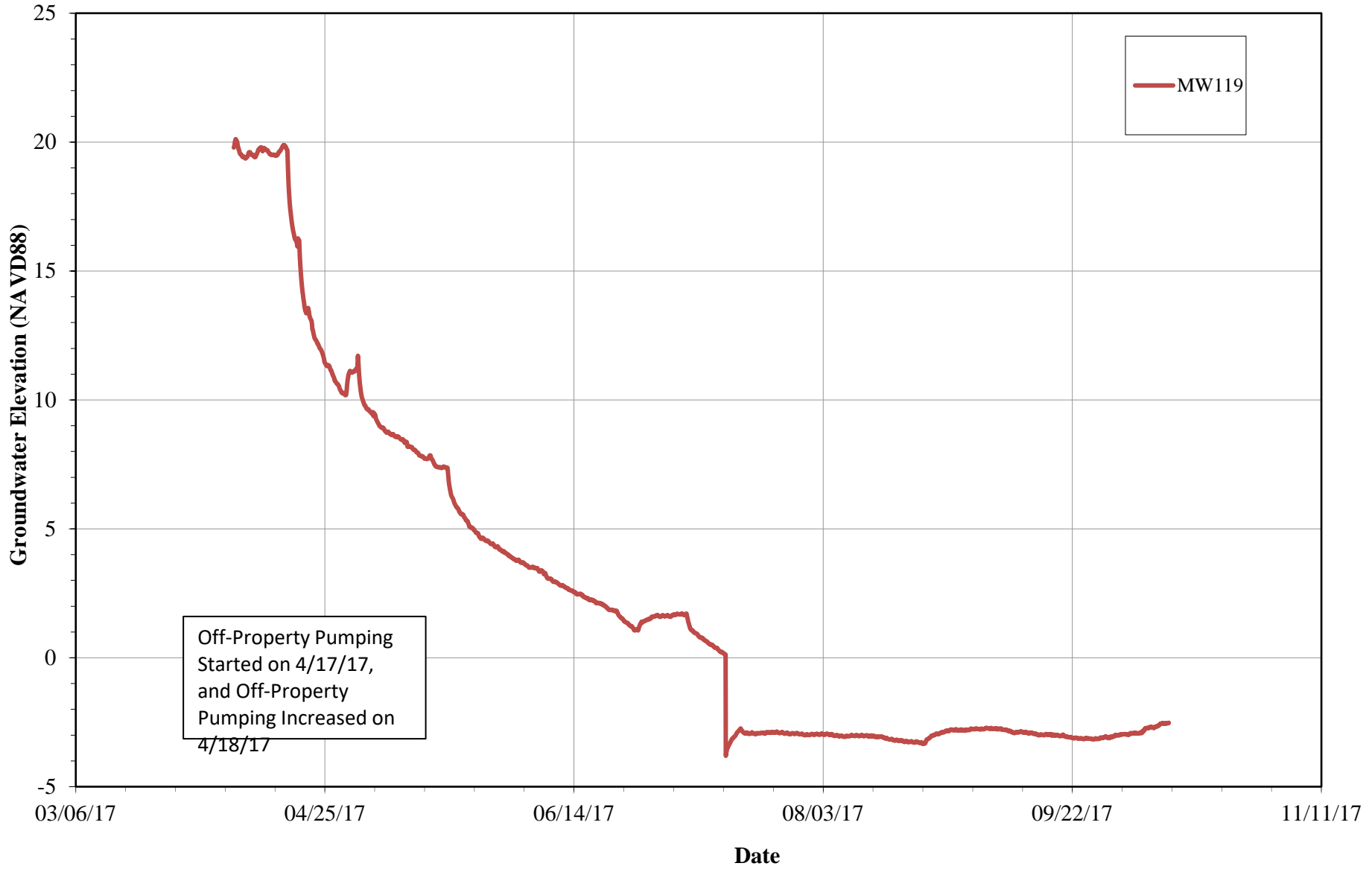
Off-Property Pumping
Started on 4/17/17,
and Off-Property
Pumping Increased on
4/18/17

Hydrograph -- MW116
American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17, and
Off-Property Pumping
Increased on 4/18/17

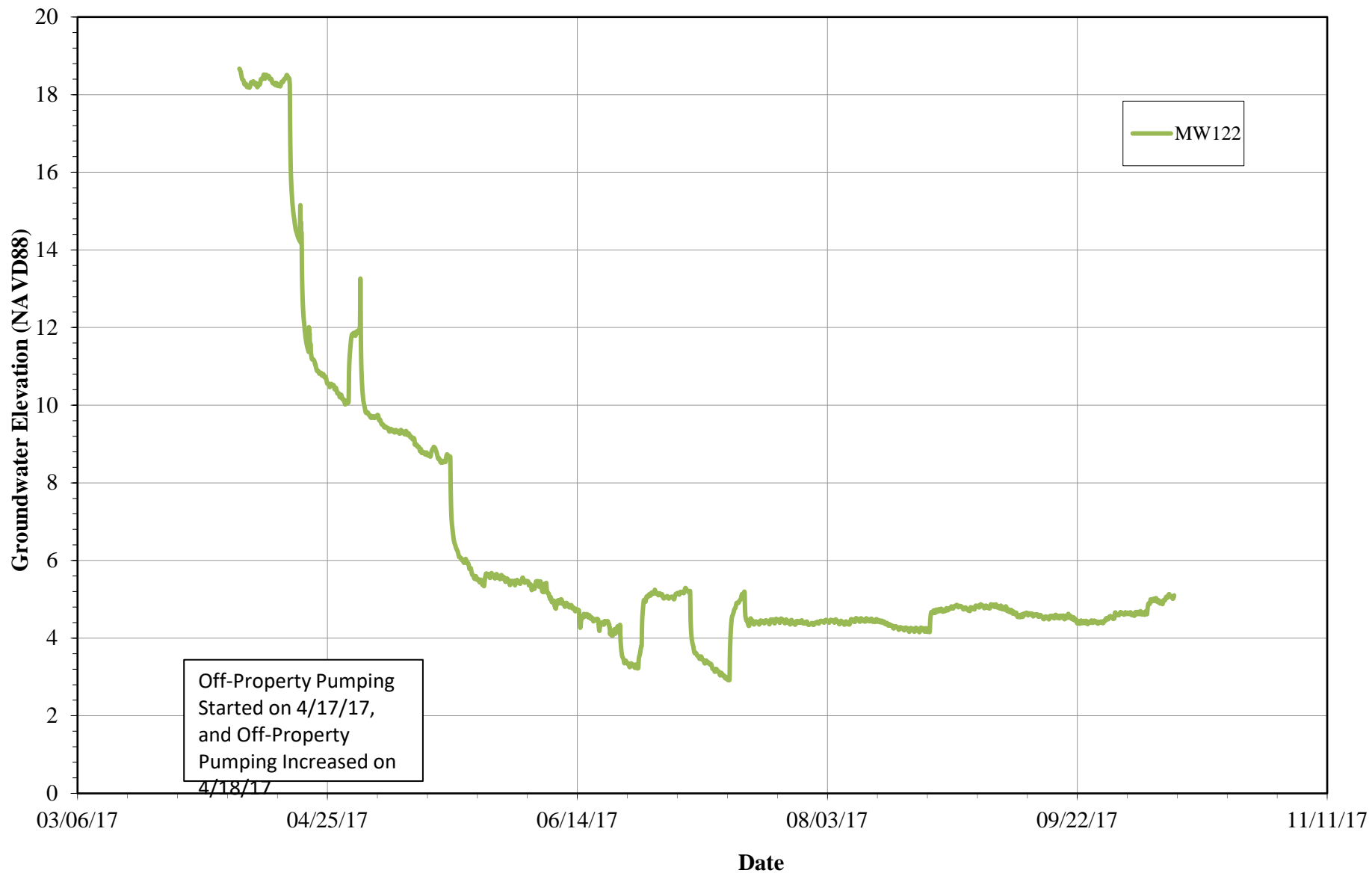
Hydrograph -- MW119 American Linen, Seattle, Washington



Off-Property Pumping
Started on 4/17/17,
and Off-Property
Pumping Increased on
4/18/17

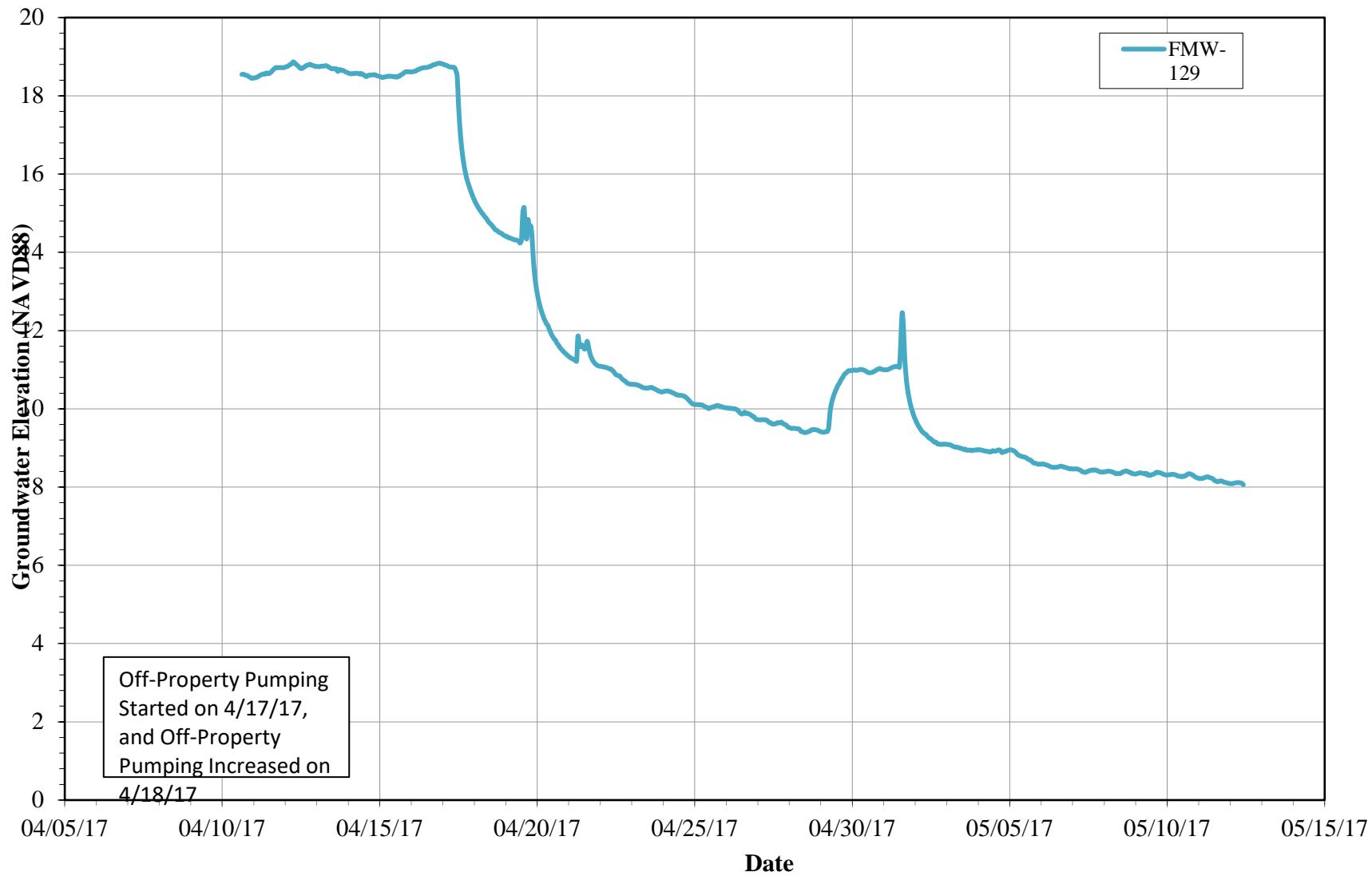
MW119

Hydrograph -- MW122 American Linen, Seattle, Washington

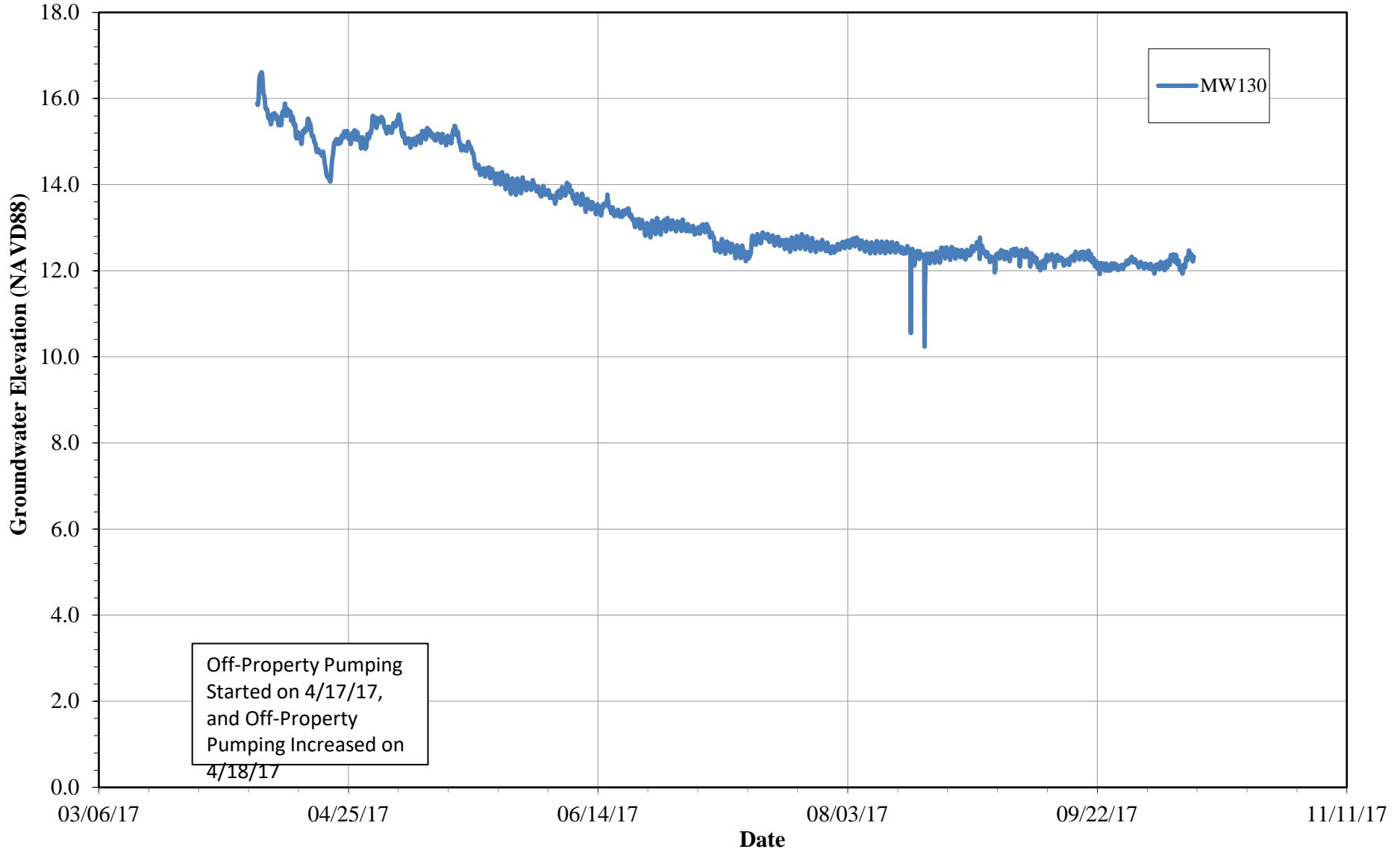


Off-Property Pumping Started on 4/17/17, and Off-Property Pumping Increased on 4/18/17

Hydrograph -- FMW-129 American Linen, Seattle, Washington



Hydrograph -- MW130
American Linen, Seattle, Washington



APPENDIX I

ISOTEC BENCH SCALE TREATABILITY STUDY REPORT



BENCH SCALE TREATABILITY STUDY REPORT

FORMER AMERICAN LINEN SITE
SEATTLE, WASHINGTON

NOVEMBER 3, 2017

PREPARED FOR

PES ENVIRONMENTAL, INC.
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

ISOTEC PROJECT No. 901312

In-Situ Oxidative Technologies, Inc.
6452 Fig Street, Suite C
Arvada, Colorado 80004
Phone: (303) 843-9079, Fax: (303) 843-9094
www.insituoxidation.com

SBA Certified Small Business



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TABLE 1 INITIAL CHARACTERIZATION

TABLE 2 VOC RESULTS

ATTACHMENTS

ATTACHMENT A..... BENCH STUDY ANALYTICAL DATA PACKAGES

ACRONYMS

Accutest	Accutest Laboratories
COCs	Constituents of concern
g	Gram
g/kg	Grams per kilogram
H ₂ O ₂	Hydrogen peroxide
GW	Groundwater
ISCO	In-situ chemical oxidation
ISOTEC	In-Situ Oxidative Technologies, Inc.
MFR	Modified Fenton's reagent
mg	Milligram
mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
ml	Milliliters
ND	Non-detect concentration
PCE	Perchloroethene
ppm	Parts per million
VOC	Volatile organic compound
TOC	Total organic carbon
µg	Microgram
µg/kg	Micrograms per kilogram

1.0 INTRODUCTION

In-Situ Oxidative Technologies, Inc. (ISOTECSM) was retained by PES Environmental (PES) to conduct an in-situ chemical oxidation (ISCO) bench-scale laboratory treatability study (study) on soil samples collected from the Former American Linen site in Seattle Washington. The target constituent for the study was perchloroethene (PCE). The reagent evaluated during the study was modified Fenton's reagent (MFR). The objective of the bench scale study was to evaluate the potential effectiveness of MFR in the treatment of PCE impacted soil at the site.

2.0 BENCH SCALE STUDY OBJECTIVES

Since it is widely accepted, from both literature and ISOTEC experience, that MFR oxidizes PCE, the objectives of the study were twofold:

- To establish that there are no unknown soil characteristics at the site that would prevent MFR from being effective against PCE, and
- To determine the relative effectiveness of two dosage rates, low and high.

The tests were soil and reagent only tests, no additional water was added to the reactor to form a slurry. Slurry tests are industry standards for evaluating mass destruction ratios between oxidant and contaminant. This study was designed to primarily evaluate MFR reactions with the soil.

3.0 SAMPLE COLLECTION AND PREPARATION

PES collected two soil samples, B-211-60-65 and MW-135-46, from the site on Aug. 18th and 24th, 2017, respectively and delivered them to ISOTEC for use in the test. Sample MW-135-46 was selected to perform the treatability experiment (COC-test) with consultation of PES. Prior to initiating the experiment, the soil sample was composited by removing rock fragments and pebbles, and turning/kneading within the ziplocTM bag until the color and texture of the contents appeared to be uniform. Then a portion of the composited soil was collected and submitted to SGS Accutest Laboratories (Accutest) of Dayton, NJ for VOCs, GRO, total organic carbon (TOC), iron and manganese analyses for initial characterization of the sample. The remaining composited soils were used to perform the treatability experiment.

4.0 EXPERIMENTAL PROCEDURES

A total of three reactors were set up in 240 milliliter (ml) VOC-tight glass containers sealed with screw top caps fitted with Teflon septa to facilitate reagent injections. One of the reactors served as "Control" and the other 2 as "treatment" reactors to evaluate 2 different (low and high) reagent doses. Exactly 100 grams (g) of composited soil was introduced into each container. MFR was injected into each treatment reactor without opening the container in 2 incremental volumes and mixed thoroughly with the sample contents after each injection. A time gap of 24 hours was maintained between each injection. Distilled (DI) water was used to compensate for volume differences between reactors. The "control" reactor received DI water instead of reagent. A multiple dosage approach (incremental approach) was used to increase treatment efficiency, minimize gas formation and the resulting pressure buildup. The final reagent concentrations achieved were 6 g/kg (grams of oxidant per kilogram of soil being tested) for the low dose and 24 g/kg for the high dose. The two treatment reactors were quenched after 24 hours following the 2nd injection. Soil samples were collected from each reactor (Control and 2 treatment reactors) and submitted to Accutest for VOCs and GRO analyses.

Experiment Summary

Oxidant dose	MFR-test
Low dose	6 g/kg
High dose	24 g/kg
Test Duration	2 days

Note: Oxidant doses are presented as grams of oxidant per kilogram of soil being tested.

5.0 RESULTS AND DISCUSSION

Results indicate that the low dose application was the most effective in treating PCE. Summary results are presented below.

- Using Low dose MFR, PCE was treated from 12,287 micrograms per liter ($\mu\text{g}/\text{kg}$) to 5,960 $\mu\text{g}/\text{kg}$ following the low dose treatment. A reduction of 57%. The high dose treatment achieved a reduction of 51%. This is most likely because the larger volume of reagent applied in each injection in the high dose compared to the low dose resulted in an inefficient reaction with significant oxidant wastage thus resulting in a lower COC reduction. Results are summarized in **Table 2** (attached).
- There does not appear to any soil characteristics that would prevent MFR from oxidizing PCE. MFR should be an effective oxidizing agent under the American Linen site conditions.

Based upon results from the study, MFR applications at the American Linen site should consist of multiple low dose applications as opposed to an attempt to use high doses and fewer applications. An additional study is underway to evaluate PCE mass reductions over multiple low dose applications. These tests will be slurry tests using site soil mixed with distilled water to achieve better contact between MFR and PCE; allowing for better mass ratio comparisons.



TABLES

**Table 1. Initial Characterization
American Linen Site, Seattle, Washington
ISOTEC Project #901312**

Sample ID Matrix	MW-135-46 Soil
VOCs (ug/kg)	
Acetone	ND (6.6) ^a
Carbon disulfide	1.00 J
cis-1,2-Dichloroethene	48.30
trans-1,2-Dichloroethene	0.63 J
Chloroform	ND (2.6)
Tetrachloroethene (PCE)	13,000
Trichloroethene	88.00
Total VOCs (ug/kg)	13,137.93
TPH-GRO (C6-C10) (mg/kg)	ND (5.6)
Total Organic Carbon (mg/kg)	<1,200
Other Parameters	
Iron (mg/kg)	12,800
Manganese (mg/kg)	203
Percent Solids (%)	86.10

Note:

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

**Table 2. COC Treatment Results
American Linen Site, Seattle, Washington
ISOTEC Project #901312**

Sample ID	MW-135-46	R1	R2	R3
Sample Description	Initial	Control	MFR-L	MFR-H
Catalyst Used	none	none	Cat-4260	Cat-4260
Oxidant Used	none	none	H2O2	H2O2
Oxidant Added (by weight)	0 g/kg	0 g/kg	6 g/kg	24 g/kg
Experiment Duration (days)	t = 0 day	t = 2 days		
VOCs (ug/kg)				
Acetone	ND (6.6) ^a	ND (7.6) ^a	ND (420)	178
Carbon disulfide	1.00 J	0.81 J	ND (40)	ND (0.71)
cis-1,2-Dichloroethene	48.3	30.9	206.0	9.6
trans-1,2-Dichloroethene	0.63 J	ND (0.69)	ND (38)	ND (0.68)
Chloroform	ND (2.6)	ND (3.0)	ND (160)	8.2
Tetrachloroethene (PCE)	13,000	12,200	5,290	6,070
Trichloroethene	88.0	55.3	464.0	20.4
Total Target VOCs (ug/kg)*	13,137.93	12,287.01	5,960.00	6,108.20
TPH-GRO (C6-C10) (mg/kg)	ND (5.6)	ND (6.5)	ND (6.5)	ND (6.9)
Target VOC reduction	-	-	51.5%	50.3%
PCE reduction	-	-	56.6%	50.2%
Other Parameters				
Final pH value (SU)	-	7.35	6.51	6.67
Final ORP value (mV)	-	79	130	140

Note:

MFR = Modified Fenton's Reagent

ug/kg = micrograms per kilogram, g/kg = grams per kilogram,

ND = Compound was analyzed for but not detected at the method detection limit (MDL) indicated by the number in ().

J = The result is less than the quantitation limit but greater than MDL.

* Target VOCs = All VOCs detected excluding acetone.

^a Associated CCV outside of control limits high, sample was ND.



ATTACHMENT A

LABORATORY ANALYTICAL DATA PACKAGES

Technical Report for

Isotec

American Linen Site, WA

901312

SGS Accutest Job Number: JC52095

Sampling Date: 09/29/17

Report to:

**Isotec
11 Princess Road Suite A
Lawrenceville, NJ 08648
YChin@insituoxidation.com**

ATTN: Yan Chin

Total number of pages in report: 23



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

**Nancy Cole
Laboratory Director**

Client Service contact: Rocus Peters 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Isotec

Job No: JC52095

American Linen Site, WA
Project No: 901312

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC52095-1	09/29/17	10:00	09/29/17	SO	Soil	R1
JC52095-2	09/29/17	10:00	09/29/17	SO	Soil	R2
JC52095-3	09/29/17	10:00	09/29/17	SO	Soil	R3
JC52095-4	09/29/17	10:00	09/29/17	SO	Soil	MW-135-46

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC52095
Account: Isotec
Project: American Linen Site, WA
Collected: 09/29/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC52095-1		R1				
Carbon disulfide		0.81 J	2.4	0.72	ug/kg	SW846 8260C
cis-1,2-Dichloroethene		30.9	1.2	0.48	ug/kg	SW846 8260C
Tetrachloroethene		12200	130	41	ug/kg	SW846 8260C
Trichloroethene		55.3	1.2	0.65	ug/kg	SW846 8260C
JC52095-2		R2				
cis-1,2-Dichloroethene ^a		206	65	26	ug/kg	SW846 8260C
Tetrachloroethene ^a		5290	130	41	ug/kg	SW846 8260C
Trichloroethene ^a		464	65	36	ug/kg	SW846 8260C
JC52095-3		R3				
Acetone		178	12	7.4	ug/kg	SW846 8260C
cis-1,2-Dichloroethene		9.6	1.2	0.47	ug/kg	SW846 8260C
Methylene chloride		8.2	5.8	2.9	ug/kg	SW846 8260C
Tetrachloroethene		6070	140	44	ug/kg	SW846 8260C
Trichloroethene		20.4	1.2	0.64	ug/kg	SW846 8260C
JC52095-4		MW-135-46				
Carbon disulfide		1.0 J	2.1	0.63	ug/kg	SW846 8260C
cis-1,2-Dichloroethene		48.3	1.0	0.42	ug/kg	SW846 8260C
trans-1,2-Dichloroethene		0.63 J	1.0	0.61	ug/kg	SW846 8260C
Tetrachloroethene		13000	1100	350	ug/kg	SW846 8260C
Trichloroethene		88.0	1.0	0.57	ug/kg	SW846 8260C
Iron		12800	59		mg/kg	SW846 6010C
Manganese		203	1.8		mg/kg	SW846 6010C

(a) Diluted due to high concentration of non-target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: R1		Date Sampled: 09/29/17
Lab Sample ID: JC52095-1		Date Received: 09/29/17
Matrix: SO - Soil		Percent Solids: 86.1
Method: SW846 8260C SW846 5035		
Project: American Linen Site, WA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C220280.D	1	10/10/17 16:16	RS	09/30/17 11:00	n/a	VC8135
Run #2	3V38072.D	1	10/12/17 11:51	TDN	09/30/17 11:00	n/a	V3V1524

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.9 g		
Run #2	5.1 g	5.0 ml	100 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	12	7.6	ug/kg	
71-43-2	Benzene	ND	0.59	0.13	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.29	ug/kg	
75-25-2	Bromoform	ND	5.9	0.37	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.83	ug/kg	
78-93-3	2-Butanone (MEK) ^a	ND	12	6.2	ug/kg	
75-15-0	Carbon disulfide	0.81	2.4	0.72	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.4	0.77	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.9	1.1	ug/kg	
67-66-3	Chloroform	ND	2.4	0.38	ug/kg	
74-87-3	Chloromethane	ND	5.9	1.2	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.41	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.80	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.45	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene	30.9	1.2	0.48	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.28	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.34	ug/kg	
76-13-1	Freon 113	ND	5.9	0.80	ug/kg	
591-78-6	2-Hexanone ^a	ND	5.9	3.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: R1		Date Sampled: 09/29/17
Lab Sample ID: JC52095-1		Date Received: 09/29/17
Matrix: SO - Soil		Percent Solids: 86.1
Method: SW846 8260C SW846 5035		
Project: American Linen Site, WA		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	5.9	3.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	0.65	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.1	ug/kg	
75-09-2	Methylene chloride	ND	5.9	3.0	ug/kg	
100-42-5	Styrene	ND	2.4	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.30	ug/kg	
127-18-4	Tetrachloroethene	12200 ^b	130	41	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.69	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.50	ug/kg	
79-01-6	Trichloroethene	55.3	1.2	0.65	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.91	ug/kg	
	m,p-Xylene	ND	1.2	0.65	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.30	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	95%	72-129%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	73-132%
2037-26-5	Toluene-D8	98%	102%	80-120%
460-00-4	4-Bromofluorobenzene	105%	102%	77-125%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: R1	Date Sampled: 09/29/17
Lab Sample ID: JC52095-1	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Method: SW846 8015C SW846 5035	
Project: American Linen Site, WA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV140556.D	1	10/10/17 00:04	KC	09/30/17 11:00	n/a	GUV5751
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	100%		70-116%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: R2		
Lab Sample ID: JC52095-2		Date Sampled: 09/29/17
Matrix: SO - Soil		Date Received: 09/29/17
Method: SW846 8260C SW846 5035		Percent Solids: 86.1
Project: American Linen Site, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3V38073.D	1	10/12/17 12:17	TDN	09/30/17 11:00	n/a	V3V1524
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	650	420	ug/kg	
71-43-2	Benzene	ND	33	7.0	ug/kg	
74-97-5	Bromochloromethane	ND	330	28	ug/kg	
75-27-4	Bromodichloromethane	ND	130	16	ug/kg	
75-25-2	Bromoform	ND	330	20	ug/kg	
74-83-9	Bromomethane ^b	ND	330	46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	650	340	ug/kg	
75-15-0	Carbon disulfide	ND	130	40	ug/kg	
56-23-5	Carbon tetrachloride	ND	130	42	ug/kg	
108-90-7	Chlorobenzene	ND	130	19	ug/kg	
75-00-3	Chloroethane ^b	ND	330	59	ug/kg	
67-66-3	Chloroform	ND	130	21	ug/kg	
74-87-3	Chloromethane	ND	330	64	ug/kg	
110-82-7	Cyclohexane	ND	130	22	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	130	44	ug/kg	
124-48-1	Dibromochloromethane	ND	130	25	ug/kg	
106-93-4	1,2-Dibromoethane	ND	65	16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	65	34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	65	19	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	65	31	ug/kg	
75-71-8	Dichlorodifluoromethane ^b	ND	330	40	ug/kg	
75-34-3	1,1-Dichloroethane	ND	65	17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	65	12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	65	46	ug/kg	
156-59-2	cis-1,2-Dichloroethene	206	65	26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	65	38	ug/kg	
78-87-5	1,2-Dichloropropane	ND	130	26	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	130	25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene ^c	ND	130	15	ug/kg	
100-41-4	Ethylbenzene	ND	65	19	ug/kg	
76-13-1	Freon 113	ND	330	44	ug/kg	
591-78-6	2-Hexanone	ND	330	180	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: R2		Date Sampled: 09/29/17
Lab Sample ID: JC52095-2		Date Received: 09/29/17
Matrix: SO - Soil		Percent Solids: 86.1
Method: SW846 8260C SW846 5035		
Project: American Linen Site, WA		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	130	16	ug/kg	
79-20-9	Methyl Acetate	ND	330	160	ug/kg	
108-87-2	Methylcyclohexane	ND	130	35	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	65	28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	330	120	ug/kg	
75-09-2	Methylene chloride	ND	330	160	ug/kg	
100-42-5	Styrene	ND	130	32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	130	17	ug/kg	
127-18-4	Tetrachloroethene	5290	130	41	ug/kg	
108-88-3	Toluene	ND	65	36	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	65	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	65	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	130	38	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	130	27	ug/kg	
79-01-6	Trichloroethene	464	65	36	ug/kg	
75-69-4	Trichlorofluoromethane ^b	ND	330	31	ug/kg	
75-01-4	Vinyl chloride ^b	ND	130	50	ug/kg	
	m,p-Xylene	ND	65	36	ug/kg	
95-47-6	o-Xylene	ND	65	16	ug/kg	
1330-20-7	Xylene (total)	ND	65	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		72-129%
17060-07-0	1,2-Dichloroethane-D4	96%		73-132%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	98%		77-125%

- (a) Diluted due to high concentration of non-target compound.
 (b) Associated CCV outside of control limits high, sample was ND.
 (c) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: R2	Date Sampled: 09/29/17
Lab Sample ID: JC52095-2	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Method: SW846 8015C SW846 5035	
Project: American Linen Site, WA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV140557.D	1	10/10/17 00:33	KC	09/30/17 11:00	n/a	GUV5751
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		70-116%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: R3		
Lab Sample ID: JC52095-3		Date Sampled: 09/29/17
Matrix: SO - Soil		Date Received: 09/29/17
Method: SW846 8260C SW846 5035		Percent Solids: 86.1
Project: American Linen Site, WA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V170697.D	1	10/11/17 20:02	RS	09/30/17 11:00	n/a	VV7186
Run #2	3V38074.D	1	10/12/17 12:43	TDN	09/30/17 11:00	n/a	V3V1524

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g		
Run #2	4.8 g	5.0 ml	100 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	178	12	7.4	ug/kg	
71-43-2	Benzene	ND	0.58	0.12	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.28	ug/kg	
75-25-2	Bromoform	ND	5.8	0.36	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	6.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.71	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.33	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.0	ug/kg	
67-66-3	Chloroform	ND	2.3	0.38	ug/kg	
74-87-3	Chloromethane	ND	5.8	1.1	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.40	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.44	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.30	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	9.6	1.2	0.47	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.28	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.34	ug/kg	
76-13-1	Freon 113	ND	5.8	0.78	ug/kg	
591-78-6	2-Hexanone	ND	5.8	3.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: R3		Date Sampled: 09/29/17
Lab Sample ID: JC52095-3		Date Received: 09/29/17
Matrix: SO - Soil		Percent Solids: 86.1
Method: SW846 8260C SW846 5035		
Project: American Linen Site, WA		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	5.8	2.9	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	0.63	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.1	ug/kg	
75-09-2	Methylene chloride	8.2	5.8	2.9	ug/kg	
100-42-5	Styrene	ND	2.3	0.58	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.30	ug/kg	
127-18-4	Tetrachloroethene	6070 ^a	140	44	ug/kg	
108-88-3	Toluene	ND	1.2	0.64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.67	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.49	ug/kg	
79-01-6	Trichloroethene	20.4	1.2	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.56	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.89	ug/kg	
	m,p-Xylene	ND	1.2	0.64	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.29	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	93%	72-129%
17060-07-0	1,2-Dichloroethane-D4	97%	92%	73-132%
2037-26-5	Toluene-D8	98%	104%	80-120%
460-00-4	4-Bromofluorobenzene	96%	98%	77-125%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: R3	Date Sampled: 09/29/17
Lab Sample ID: JC52095-3	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Method: SW846 8015C SW846 5035	
Project: American Linen Site, WA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV140558.D	1	10/10/17 01:02	KC	09/30/17 11:00	n/a	GUV5751
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.8 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	6.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		70-116%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-135-46		
Lab Sample ID: JC52095-4		Date Sampled: 09/29/17
Matrix: SO - Soil		Date Received: 09/29/17
Method: SW846 8260C SW846 5035		Percent Solids: 86.1
Project: American Linen Site, WA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C220283.D	1	10/10/17 17:42	RS	09/30/17 11:00	n/a	VC8135
Run #2	3V38081.D	1	10/12/17 15:45	TDN	09/30/17 11:00	n/a	V3V1524
Run #3	3V38075.D	1	10/12/17 13:09	TDN	09/30/17 11:00	n/a	V3V1524

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.6 g		
Run #2	6.1 g	5.0 ml	10.0 ul
Run #3	6.1 g	5.0 ml	100 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	ND	10	6.6	ug/kg	
71-43-2	Benzene	ND	0.52	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.25	ug/kg	
75-25-2	Bromoform	ND	5.2	0.32	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.73	ug/kg	
78-93-3	2-Butanone (MEK) ^a	ND	10	5.4	ug/kg	
75-15-0	Carbon disulfide	1.0	2.1	0.63	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.30	ug/kg	
75-00-3	Chloroethane	ND	5.2	0.94	ug/kg	
67-66-3	Chloroform	ND	2.1	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	1.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.36	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.40	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.25	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.54	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.63	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	48.3	1.0	0.42	ug/kg	
156-60-5	trans-1,2-Dichloroethene	0.63	1.0	0.61	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	2.1	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.40	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.25	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-135-46		Date Sampled: 09/29/17
Lab Sample ID: JC52095-4		Date Received: 09/29/17
Matrix: SO - Soil		Percent Solids: 86.1
Method: SW846 8260C SW846 5035		
Project: American Linen Site, WA		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.2	0.70	ug/kg	
591-78-6	2-Hexanone ^a	ND	5.2	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	2.1	0.26	ug/kg	
79-20-9	Methyl Acetate	ND	5.2	2.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.57	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	5.2	2.6	ug/kg	
100-42-5	Styrene	ND	2.1	0.51	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.26	ug/kg	
127-18-4	Tetrachloroethene	13000 ^b	1100	350	ug/kg	
108-88-3	Toluene	ND	1.0	0.57	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.44	ug/kg	
79-01-6	Trichloroethene	88.0	1.0	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.50	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.79	ug/kg	
	m,p-Xylene	ND	1.0	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.26	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	92%	93%	72-129%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	91%	73-132%
2037-26-5	Toluene-D8	99%	102%	102%	80-120%
460-00-4	4-Bromofluorobenzene	105%	102%	99%	77-125%

(a) Associated CCV outside of control limits high, sample was ND.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

Client Sample ID: MW-135-46	Date Sampled: 09/29/17
Lab Sample ID: JC52095-4	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Method: SW846 8015C SW846 5035	
Project: American Linen Site, WA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV140559.D	1	10/10/17 01:38	KC	09/30/17 11:00	n/a	GUV5751
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		70-116%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-135-46	Date Sampled: 09/29/17
Lab Sample ID: JC52095-4	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Project: American Linen Site, WA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	12800	59	mg/kg	1	10/03/17	10/04/17 AB	SW846 6010C ²	SW846 3050B ³
Manganese	203	1.8	mg/kg	1	10/03/17	10/04/17 AB	SW846 6010C ¹	SW846 3050B ³

- (1) Instrument QC Batch: MA42932
- (2) Instrument QC Batch: MA42935
- (3) Prep QC Batch: MP3256

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-135-46	Date Sampled: 09/29/17
Lab Sample ID: JC52095-4	Date Received: 09/29/17
Matrix: SO - Soil	Percent Solids: 86.1
Project: American Linen Site, WA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	86.1		%	1	10/06/17 22:45	LV	SM2540 G-97
Total Organic Carbon	< 1200	1200	mg/kg	1	10/04/17 21:22	CD	SW846 9060A

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #
Accutest Quote #
Bottle Order Control #
Accutest Job # **JC52095**

Client / Reporting Information			Project Information										Requested Analysis (see TEST CODE sheet)						Matrix Codes						
Company Name ISOTEC			Project Name: American Linen Site																DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank						
Street Address 11 Princell Road, Suite A			Street Lawrenceville NJ 08648																						
City State Zip Lawrenceville NJ 08648			City State WA																						
Project Contact Yan Chin ychin@insituoxidation.com			Project # 901312																						
Phone # 609-843-0485			Client Purchase Order # 5346																						
E-mail 609-275-9608			Project Manager																						
Sampler(s) Name(s) Yan Chin			Attention:																						
Phone # 609-843-0485																									
Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection				Matrix	# of bottles	Number of preserved Bottles										LAB USE ONLY						
			Date	Time	Sampled by				PCU	NaOH	HNO3	H2SO4	H2O2	NONE	DI Water	MEDH	ENCLOSURE	VOCs		TPH-GRO	TOC	Fe	Mn		
1	R1		9/29/17	10am	YC	SO																			
2	R2		9/29/17	10am	YC	SO																			C2973
3	R3		9/29/17	10am	YC	SO																			1452
4	MW-135-46		9/29/17	10am	YC	SO	1						1												4025
Turnaround Time (Business days)			Data Deliverable Information										Comments / Special Instructions												
<input checked="" type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> other _____ Emergency & Rush T/A data available VIA Lablink			Approved By (Accutest PM): / Date: <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format <input type="checkbox"/> Commercial "C" <input checked="" type="checkbox"/> Other Results only Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data										INITIAL ASSESSMENT 3B Dom LABEL VERIFICATION Go 04 5g Encores												
Sample Custody must be documented below each time samples change possession, including courier delivery.																									
Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:											
1 Yan Chin	9/29/2017 10am	1	2	9/29/2017 10am	3	4	9/29/2017 10am	4	5	9/29/2017 10am	4														
Custody Seal #													<input type="checkbox"/> Intact Preserved where applicable <input type="checkbox"/> Not intact												
													<input checked="" type="checkbox"/> On Ice <input type="checkbox"/> Cooler Temp.												

JC52095: Chain of Custody

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pn

SLL
SME

SGS Accutest Sample Receipt Summary

Job Number: JC52095

Client: ISOTEC

Project: American Linen Site

Date / Time Received: 9/29/2017 3:15:00 PM

Delivery Method: Accutest Courier

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (0.5);

Cooler Security

	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Documentation

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact		

Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Comments -1 thru -3 Did not receive % Solids volume. Only rec'd 4x 5gr encores.

SM089-02
Rev. Date 12/1/16

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Responded to by: rocus peters

Response Date: 10/3

Take solids from the TOC sample 4.

All samples 1,2,3 are the same source please apply solids from sample 4 to all samples.

per Yan

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