



Boring Number: GP-201

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments	
	Sample	Sample Type	Recovery (ft)	PID (ppm)					
0						Ground Surface	0		
1	1	GP	3'	1.3		GM Gravel, light gray, dry, angular 3/4" and smaller with ~20% fines SP Sand poorly graded, brown, moist to saturated, medium to fine grained sand			
5	2	GP	4'	1.6					
10	3	GP	5'	1.0					- Soil sample GP201-9-0 collected at 9' bgs - Top of temp screen - Water sample GP201-W-0 collected at 13' bgs
15						End of Log	15	- Bottom of temp screen	
20						<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			



Boring Number: GP-202

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
0 - 4	1	GP	4'	0.6		GM Gravel, light gray, dry, angular 3/4" and smaller with ~ 20% fines Asphalt, black, old, broken GM Gravel, light gray, dry, angular 3/4" and smaller Asphalt, black, old, broken GM Gravel, light gray, dry, angular 3/4" and smaller Asphalt, black, old, broken GM Gravel, light gray, dry, angular 3/4" and smaller		
4 - 8	2	GP	3.5'	0.3		SP Sand poorly graded, brown, moist to saturated, medium to fine grained ~3% 2" rounded gravel		- Soil sample GP202-8-0 collected at 8' bgs
8 - 10						SP Sand poorly graded, gray, saturated, medium to fine grained	9	- Top of temp screen
10 - 15	3	GP	4'	0.4				- Water sample GP202-W-0 collected at 13' bgs
15						End of Log	15	- Bottom of temp screen
15 - 20						Geoprobe abandoned by filling with hydrated bentonite chips		



Boring Number: GP-203

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
2.5	1	GP	2.5'	0.3	<p> GM Gravel, light gray, dry, sub angular 3/4" and smaller with ~20% fines SP Sand poorly graded, brown, moist, medium to fine grained ML Silt, brown, moist, stiff, medium plasticity SP Sand poorly graded, brown, moist, medium to fine grained </p>			
5	2	GP	5'	1.2				<ul style="list-style-type: none"> - Soil sample GP203-8-0 collected at 8'bgs - Dup soil sample GP203-8-1 collected at 8'bgs
11	3	GP	4'	1.1			11	<ul style="list-style-type: none"> - Top of temp screen - Water sample GP203-W-0 collected at 13' bgs - Dup water sample GP203-W-1 collected at 13' bgs
15						End of Log	15	<ul style="list-style-type: none"> - Bottom of temp screen
20						<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>		



Boring Number: GP-204

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
1	1	GP	4'	1.1	<p>GM Gravel, light gray, dry, angular 3/4" and smaller with ~20% fines</p> <p>Wood, moist, remnant of large timber</p> <p>GM Gravel, dark gray, moist, sub angular 3/4" and smaller with fines</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>			
5	2	GP	3.5'	0.8				
10	3	GP	4.5'	0.8				
15						End of Log	15	<ul style="list-style-type: none"> - Soil sample GP204-9-0 collected at 9' bgs - Top of temp screen - Water sample GP204-W-0 collected at 13' bgs - Bottom of temp screen
20					<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			



Boring Number: GP-205

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
1	1	GP	3.5'	1.2		<p>GM Gravel, light gray, dry, angular 3/4" and smaller with ~20% fines</p> <p>SP Sand poorly graded with gravel, brown, moist, medium to fine grain sand, 1.5" and smaller rounded gravel</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>		
5	2	GP	4.5'	0.8				
10	3	GP	4'	2.1		<p>SP Sand poorly graded, gray, saturated, medium to fine grained</p>		<p>- Soil sample GP205-9-0 collected at 9' bgs</p> <p>- Top of temp screen</p> <p>- Water sample GP205-W-0 collected at 13' bgs</p>
15						End of Log	15	- Bottom of temp screen
20						<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>		



Boring Number: GP-206

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface		
						Asphalt, black, intact, fair condition	0	
	1	GP	3'	1.4		GM Gravel, light gray, dry, angular 3/4" and smaller with 20% fines	1	
						ML Silt, brown, moist, stiff, medium plasticity	2	
						SP Sand poorly graded, brown, moist to saturated, medium to fine grained		
5								
	2	GP	4'	1.3				
10						SP Sand poorly graded, gray, saturated, medium to fine grained		- Soil sample GP206-9-0 collected at 9' bgs
								- Top of temp screen
	3	GP	3.5'	1.3				- Water sample GP206-W-0 collected at 13' bgs
15						End of Log	15	- Bottom of temp screen
20								

Geoprobe abandoned by filling with hydrated bentonite chips



Boring Number: GP-207

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/26/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments	
	Sample	Sample Type	Recovery (ft)	PID (ppm)					
0						Ground Surface	0		
1	1	GP	1'	2.0		GM Gravel, light gray, dry, angular 3/4" and smaller with 20% fines SP Sand poorly graded, brown, moist to saturated, medium to fine grained		- No sheen, no odor	
5	2	GP	4'	2.3					- No sheen, no odor
10	3	GP	4.5'	63.2					- Soil sample GP207-9-0 collected at 9' bgs - Top of temp screen
12						SP Sand poorly graded, gray, saturated, medium to fine grained	12	- Heavy sheen, petroleum odor - Water sample GP207-W-0 collected at 13' bgs	
15							End of Log	15	- Bottom of temp screen
20					<div style="border: 1px solid black; padding: 5px;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>				



Boring Number: GP-208

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0					Asphalt, black, intact, good condition	0		
1	1	GP	1'	1.2	GM Gravel, light gray, dry, angular 3/4" and smaller with 20% fines SP Sand poorly graded, brown, moist to saturated, medium to fine grained		- No sheen, no odor	
5	2	GP	1'	1.3			- No sheen, no odor	
10							- Soil sample GP208-9-0 collected at 9'bgs	
11	3	GP	4'	2.1	SP Sand poorly graded, gray, saturated, medium to fine grained	11	- Top of temp screen - No sheen, no odor	
13					ML Silt, gray, moist, very soft, low plasticity Wood fiber, remainants of large timber	13	- Water sample GP208-W-0 collected at 13' bgs	
15					ML Silt, gray, moist, very soft, low plasticity SP Sand poorly graded, gray, saturated, medium to fine grained	15	- Bottom of temp screen	
20					Geoprobe abandoned by filling with hydrated bentonite chips End of Log			



Boring Number: GP-209

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0					Asphalt, black, intact, good condition	0		
1	1	GP	4.5'	1.1	GM Gravel, light gray, dry, angular 3/4" and smaller with 20% fines SP Sand poorly graded, brown, moist to saturated, medium to fine grained		- No sheen, no odor	
5	2	GP	4'	1.0			- No sheen, no odor	
10	3	GP	4'	1.2			- Soil sample GP209-9-0 collected at 9'bgs - Top of temp screen - No sheen, no odor - Water sample GP209-W-0 collected at 13' bgs	
15					End of Log	15	- Bottom of temp screen	
20					Geoprobe abandoned by filling with hydrated bentonite chips			



Boring Number: GP-210

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
0 - 4.5	1	GP	4.5'	1.0	<p>Asphalt, black, intact, good condition</p> <p>GM Gravel, light gray, dry, angular 3/4" and smaller with 20% fines</p> <p>SP Sand poorly graded, brown, moist, medium to fine grained</p>		- No sheen, no odor	
4.5 - 8	2	GP	5'	1.0	<p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>		- No sheen, no odor	
8 - 13	3	GP	4'	1.2	<p>ML Silt, dark gray, moist, medium stiff, with wood fibers</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p> <p>ML Silt, dark gray, moist, medium stiff, with wood fibers</p> <p>SP Sand poorly graded, gray, saturated, medium to fine grained</p>	8	- Soil sample GP210-9-0 collected at 9' bgs - Top of temp screen - No sheen, no odor - Water sample GP210-W-0 collected at 13' bgs	
13 - 15						End of Log	15	- Bottom of temp screen
15 - 20					<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			



Boring Number: GP-211

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
1	1	GP	3'	1.1	<p>GM Gravel, light gray, dry, angular 3/4" and smaller with ~20% fines</p> <p>SP Sand poorly graded, brown, moist, medium to fine grained</p>		- No sheen, no odor	
5	2	GP	4'	1.3	<p>SM Sandy silt, brown, moist, medium stiff</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>	6	- No sheen, no odor	
10	3	GP	4'	1.0	<p>SP Sand poorly graded, gray, saturated, medium to fine grained</p>	10	- Soil sample GP211-9-0 collected at 9'bgs - Dup soil sample GP211-9-1 collected at 9'bgs - Top of temp screen - No sheen, no odor - Water sample GP211-W-0 collected at 13' bgs - Dup water sample GP211-W-1 collected at 13' bgs	
15						End of Log	15	- Bottom of temp screen
20					<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			



Boring Number: GP-212

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
1	1	GP	2.5'	2.3		GP Gravel and sand, light gray, dry, angular 3/4" and smaller with medium to fine grained sand	2	- No sheen, no odor
2								
5								
6	2	GP	2'	8.6		ML Silt, brown, moist, loose	6	- No sheen, no odor
7						SP Sand poorly graded, brown, moist to saturated, medium to fine grained		
10								- Soil sample GP212-9-0 collected at 9'bgs
11								- Top of temp screen
13	3	GP	4'	4.5		SP Sand poorly graded, brown, moist to saturated, medium to fine grained	13	- light sheen, slight petroleum odor - Water sample GP212-W-0 collected at 13' bgs
15								- Bottom of temp screen
15						End of Log	15	
20						Geoprobe abandoned by filling with hydrated bentonite chips		



Boring Number: GP-213

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07



Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
	1	GP	4'	2.3	<p>Asphalt, black, good condition</p> <p>GP Gravel, light gray, dry, angular 3/4" and smaller</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>			- No sheen, no odor
5	2	GP	4'	1.5				- No sheen, no odor
10	3	GP	4.5'	1.1				- Soil sample GP213-10-0 collected at 10'bgs - Top of temp screen - No sheen, no odor - Water sample GP213-W-0 collected at 13' bgs
15						End of Log	15	- Bottom of temp screen
20					<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			



Boring Number: GP-214

Client: Northwest Pipe Company
Project: Sept 2007 Geoprobe
Location: Northwest Pipe Co
Project Number: 358932.PH.0C

Driller: Boart Longyear
Drilling Method: Geoprobe
Sampling Method: Continuous core
Logged by: Pat Heins
Start/Finish Date: 9/27/07

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth / Elev (ft)	Comments
	Sample	Sample Type	Recovery (ft)	PID (ppm)				
0						Ground Surface	0	
1	1	GP	3'	1.2	 <p>GP Gravel, light gray, dry, angular 3/4" and smaller</p> <p>SP Sand poorly graded, brown, moist to saturated, medium to fine grained</p>		- No sheen, no odor	
5	2	GP	3'	1.0				- No sheen, no odor
10	3	GP	4'	1.1				- Soil sample GP214-10-0 collected at 10'bgs - Top of temp screen - No sheen, no odor - Water sample GP214-W-0 collected at 13' bgs
15						End of Log	15	- Bottom of temp screen
20					<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Geoprobe abandoned by filling with hydrated bentonite chips </div>			