



# Boring Number: GP-301

**Client:** Northwest Pipe  
**Project:** Stained Soil  
**Location:** North Portland  
**Project Number:** 358932.TT.06

**Driller:** Cascade Drilling  
**Drilling Method:** Direct Push  
**Sampling Method:** Continuous Core  
**Logged by:** Bruce Pratt  
**Start/Finish Date:** 5/31/12

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth (ft)	Comments
	Sample	Sample Type	Recovery (ft.)	PID (ppm)				
0						Ground Surface		
						<b>Asphalt</b>	0	
	1	CC	2.5			<b>GP</b> Poorly graded SAND and GRAVEL, brown, dry, loose, fine -med grain sand. Gravel up to 1-inch		
5	2	CC	3.5	3.5 ppm		<b>SP</b> Poorly graded SAND, brown, dry, loose fine - medium grain sand	5	
10	3	CC	5			<b>SP</b> Poorly graded SAND, dark gray, saturated, loose fine to medium grain sand	10	<ul style="list-style-type: none"> <li>-1/8" wide black line observed in soil core, sheen observed</li> <li>- Soil Sample GP-301 10' - 11' bgs</li> <li>- Wood fiber observed in soil core</li> <li>- 10.5'bgs mmedium sheen observed in soil core</li> </ul>
15						End of Log	15	<ul style="list-style-type: none"> <li>- 14' bgs heavy sheen observed in soil core</li> </ul>
20						<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">           Direct push boring abandoned by filling with hydrated bentonite chips.         </div>		



# Boring Number: GP-302

**Client:** Northwest Pipe  
**Project:** Stained Soil  
**Location:** North Portland  
**Project Number:** 358932.TT.06

**Driller:** Cascade Drilling  
**Drilling Method:** Direct Push  
**Sampling Method:** Continuous Core  
**Logged by:** Bruce Pratt  
**Start/Finish Date:** 5/31/12

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth (ft)	Comments
	Sample	Sample Type	Recovery (ft.)	PID (ppm)				
0					Ground Surface	0		
					<b>Asphalt</b>			
	1	CC	2.5		<b>GP</b> Poorly graded SAND and GRAVEL, brown, dry, loose, fine -med grain sand. Gravel up to 1-inch			
5					<b>SP</b> Poorly graded SAND, brown, dry, loose fine - medium grain sand	5		
	2	CC	3.5	3.5 ppm	<b>SP</b> Poorly graded SAND, Dark Gray, saturated, loose fine to medium grain sand	6	-Geofabric observed in soil - Saturation -Soil sample GP302 7' -8' bgs	
10							- Medium sheen observed	
	3	CC	5				- 12' - 14.5' bgs heavy sheen observed	
15					End of Log	15	- Background PID reading 1.5 - 1.7 ppm	
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Well MW-7 installed in this boring.



# Boring Number: GP-303

**Client:** Northwest Pipe  
**Project:** Stained Soil  
**Location:** North Portland  
**Project Number:** 358932.TT.06

**Driller:** Cascade Drilling  
**Drilling Method:** Direct Push  
**Sampling Method:** Continuous Core  
**Logged by:** Bruce Pratt  
**Start/Finish Date:** 5/31/12

Depth (ft)	Sample Information				Soil Log	Soil Description	Depth (ft)	Comments
	Sample	Sample Type	Recovery (ft.)	PID (ppm)				
0					Ground Surface			
					<b>Asphalt</b>	0		
	1	CC	3.5		<b>GP</b> Poorly graded SAND and GRAVEL, brown, dry, loose, fine -med grain sand. Gravel up to 1-inch			
5					<b>SP</b> Poorly graded SAND, brown, dry, loose fine - medium grain sand	4		
	2	CC	4	1.9 ppm				
10							-Soil sample GP-303 9.5' - 10.5' bgs - No Sheen observed	
	3	CC	4.5					
15					<b>SP</b> Poorly graded SAND, dark gray, saturated, loose fine to medium grain sand	15	- No Sheen observed - Background PID reading 1.4 ppm	
					End of Log			
					Direct push boring abandoned by filling with hydrated bentonite chips.			
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