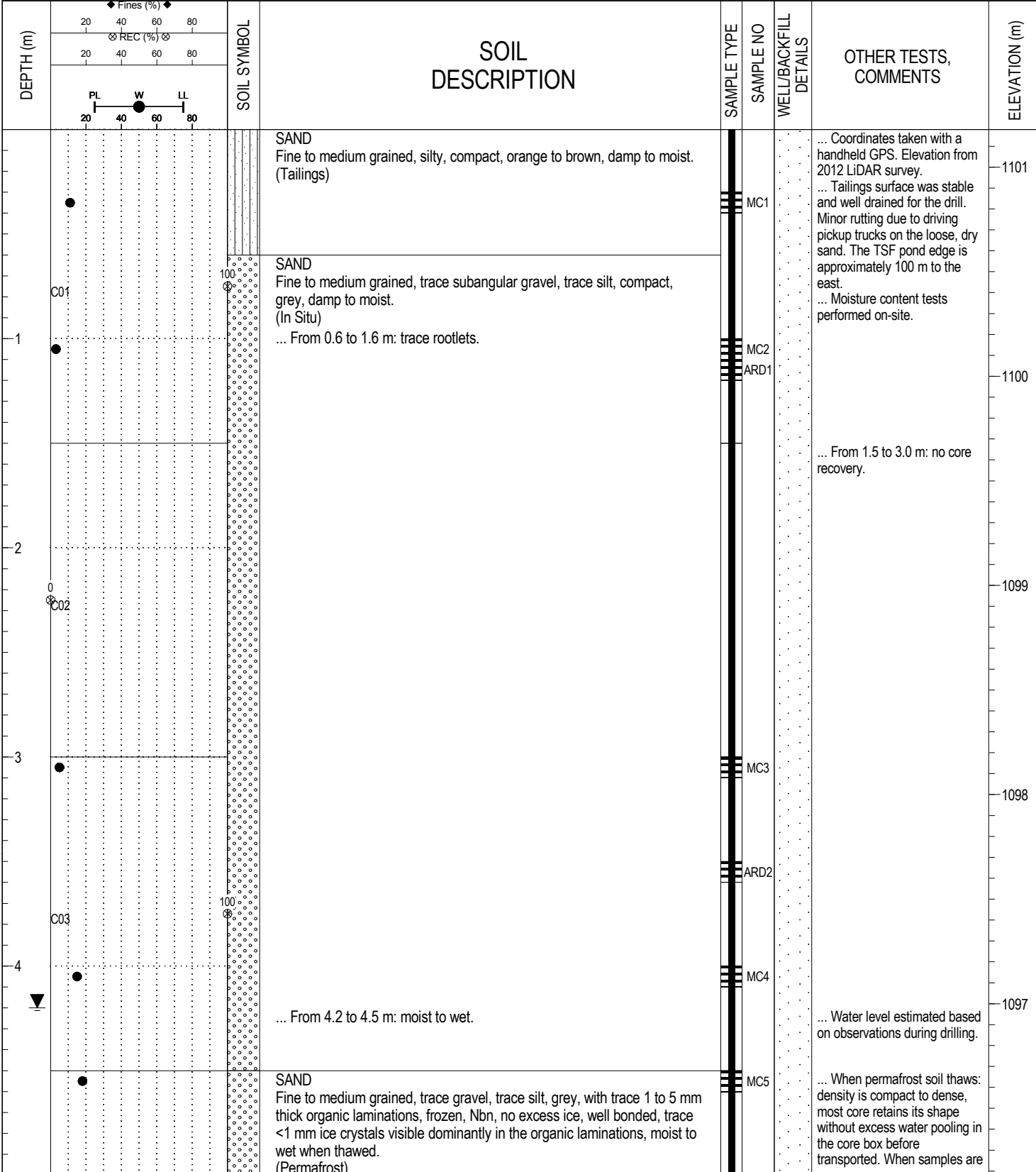


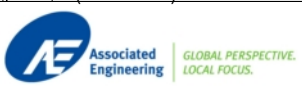
Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880610	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389173	Elevation (m): 1101

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)

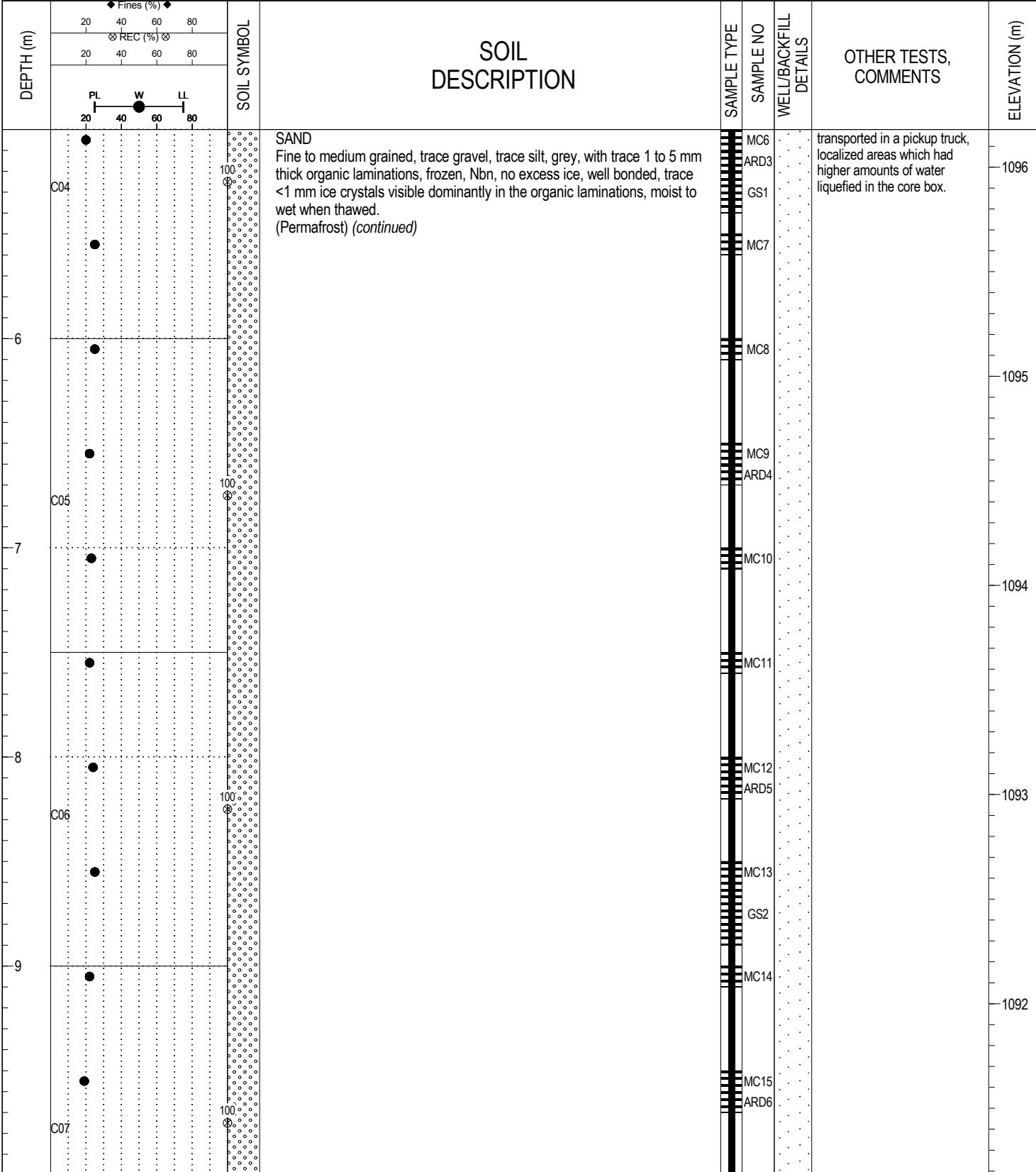


Start Date: 2013-09-15 7:45:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-15 12:30:00 PM	Reviewed By: R. Wood
Completion Depth: 13.50 m	

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880610	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389173	Elevation (m): 1101

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-15 7:45:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-15 12:30:00 PM	Reviewed By: R. Wood
Completion Depth: 13.50 m	Page 2 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880610	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389173	Elevation (m): 1101

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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DEPTH (m)	SOIL SYMBOL		SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
	Fines (%)	REC (%)						
10.91			SAND Fine to medium grained, trace gravel, trace silt, grey, with trace 1 to 5 mm thick organic laminations, frozen, Nbn, no excess ice, well bonded, trace <1 mm ice crystals visible dominantly in the organic laminations, moist to wet when thawed. (Permafrost) (continued) ... From 10.0 to 10.7 m: sand is medium grained. ... From 10.7 to 13.3 m: brown to dark grey.	MC16			... Below 10.0 m: slow drilling, approximately half of the drill stem is filled with slough, good recovery of sampled soil.	1091
10.90				MC17				
10.89				MC18				
10.88				ARD7				
10.87				MC19				
10.86				GS3				
10.85				MC20				
10.84				MC21				
10.83			... At 12.7 m: ice lens 15 cm in length, ICE, hard, colourless to grey, clear to cloudy, stratified in 1 to 5 mm thick micro ice lenses.	ARD8				
10.82			... From 13.3 to 13.5 m: sand is medium to coarse grained, trace silt, no visible ice.	MC22				
10.81			END OF HOLE at 13.5 m Reached target depth. No well installation. Hole sloughed in.				... At 13.5 m: hole squeezing in, difficult to remove rods	1087

VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)

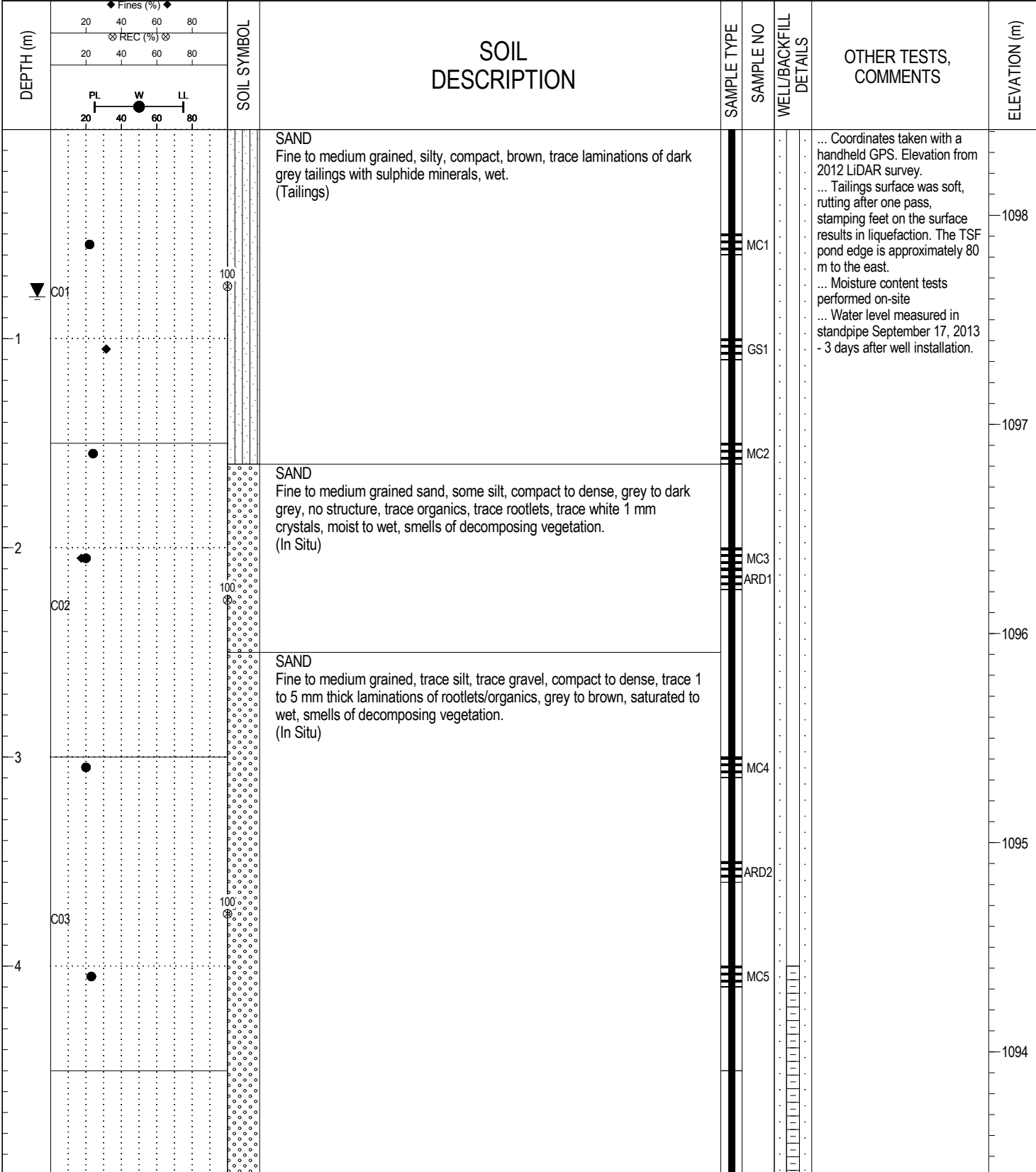


Start Date: 2013-09-15 7:45:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-15 12:30:00 PM	Reviewed By: R. Wood
Completion Depth: 13.50 m	Page 3 of 3

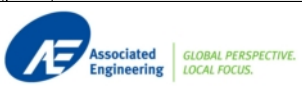
Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-02
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389210	Elevation (m): 1098

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)

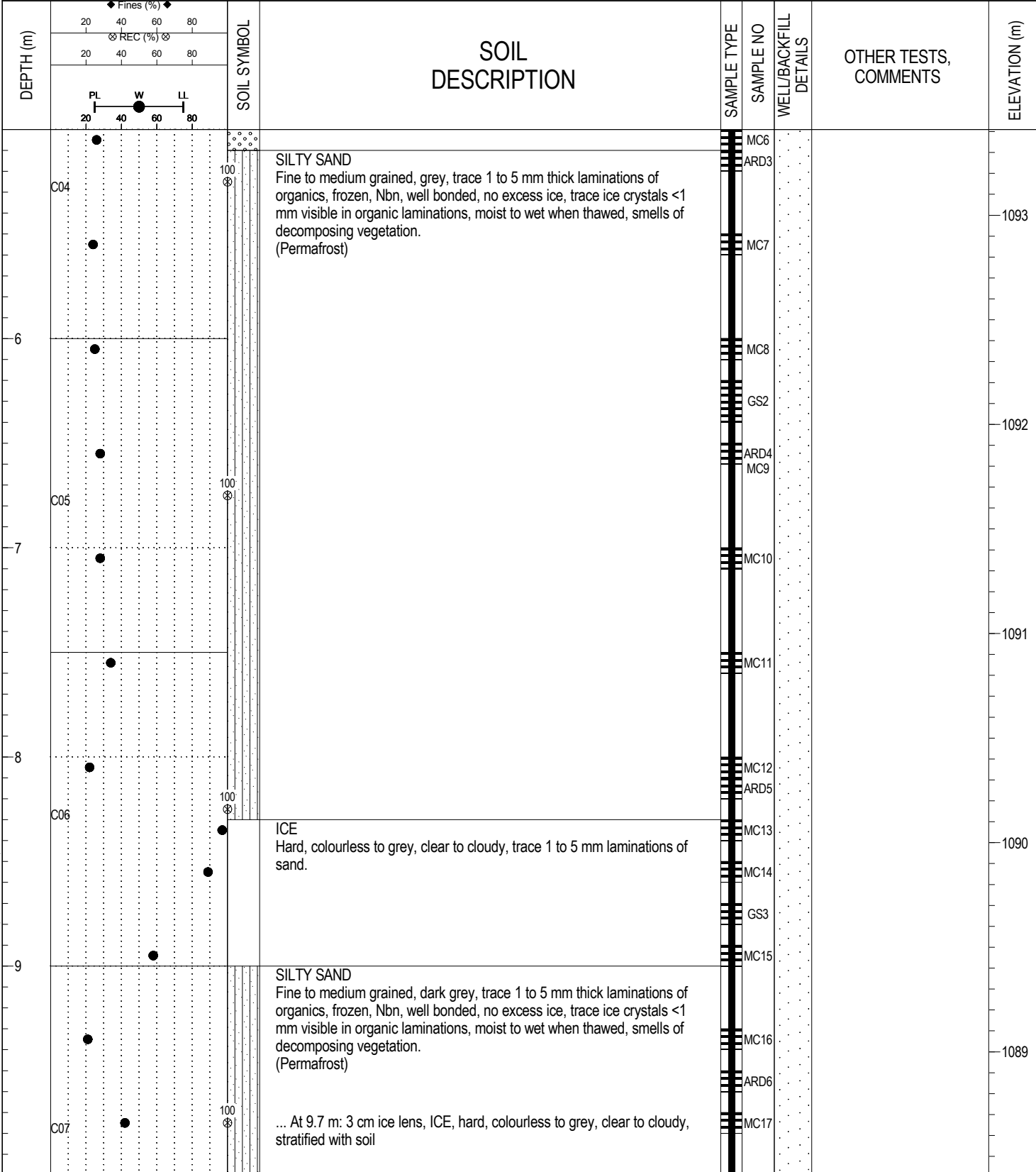


Start Date: 2013-09-14 2:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-14 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.00 m	Page 1 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-02
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389210	Elevation (m): 1098

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-14 2:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-14 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.00 m	Page 2 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-02
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389210	Elevation (m): 1098

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
10.0 - 11.0		SAND Fine to medium grained, some gravel angular to 25 mm diameter, trace to some silt, dark grey, trace 1 to 5 mm thick laminations of organics, frozen, Nbn, well bonded, no excess ice, trace ice crystals <1 mm visible in organic laminations, moist to wet when thawed, smells of decomposing vegetation.		MC18 GS4 MC19		... Below 10.0 m: slow, difficult drilling. Approximately half of the frozen core has melted on the outside by the time it is brought to the surface	1088
11.0 - 12.0				MC20 ARD7 MC21			1087
12.0 - 13.0		END OF HOLE at 12.0 m Reached target depth. Hole sloughed in. 25 mm diameter PVC standpipe installed with 1.0 m stickup, taped bell joints, hacksaw cut screen, no seal placed and no backfill and backfill was In Situ sand and tailings.				... Ground around the drill has liquified, footing of drill mast about 30 cm below ground surface.	1086
13.0 - 14.0							1085 1084

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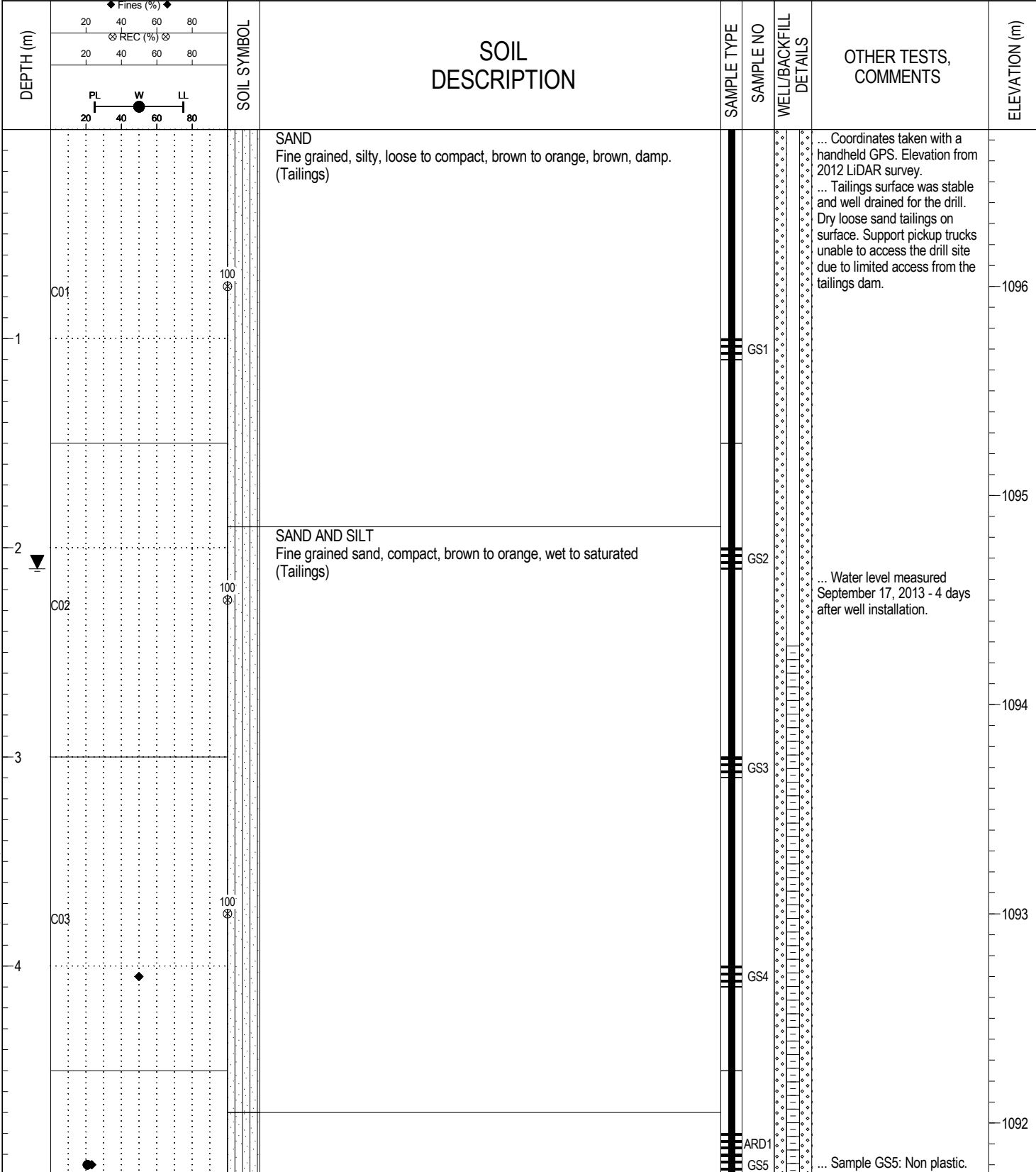


Start Date: 2013-09-14 2:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-14 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.00 m	Page 3 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-03
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880675	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389419	Elevation (m): 1097

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)

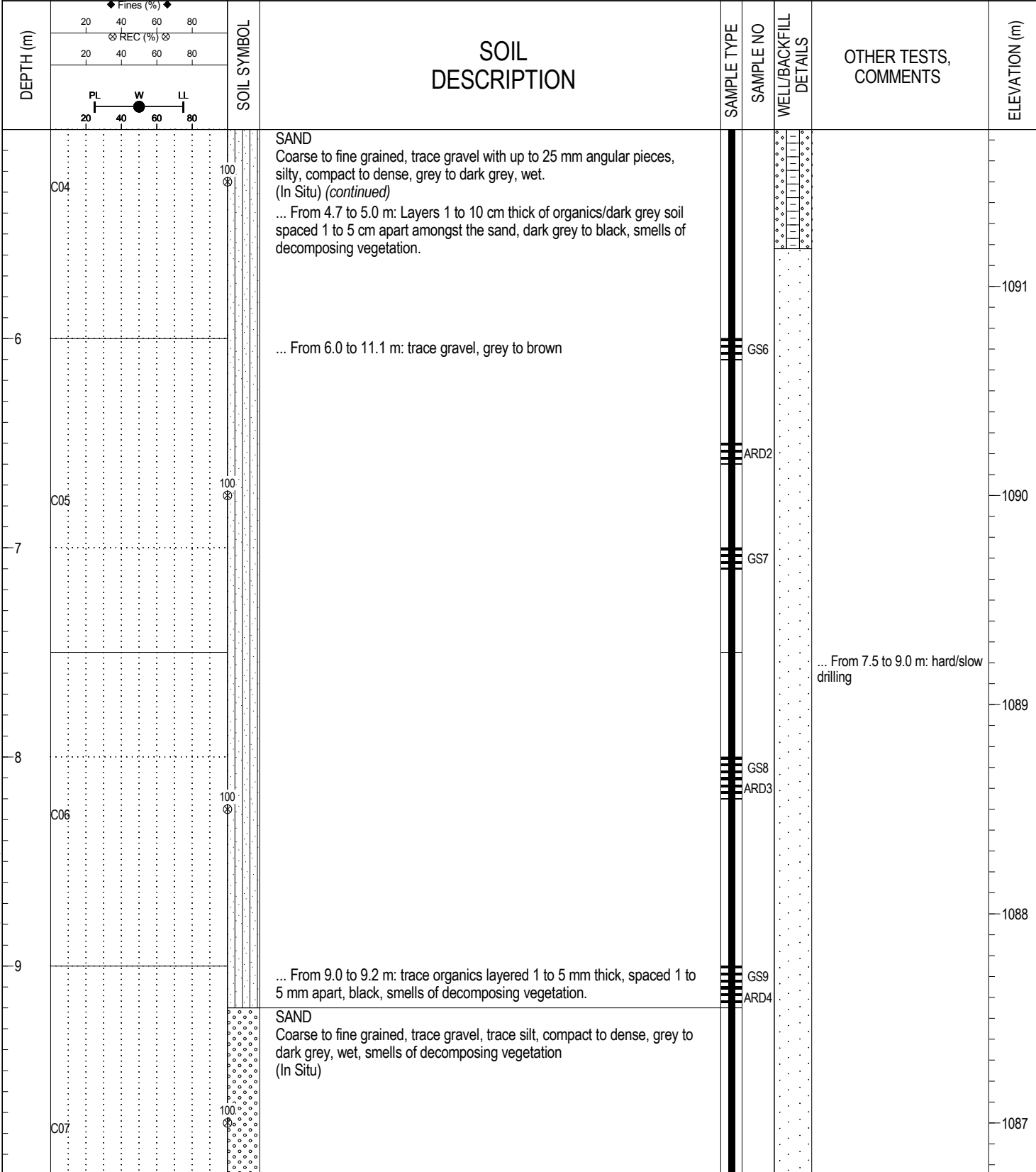


Start Date: 2013-09-13 1:30:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-13 5:30:00 PM	Reviewed By: R. Wood
Completion Depth: 16.50 m	Page 1 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-03
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880675	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389419	Elevation (m): 1097

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



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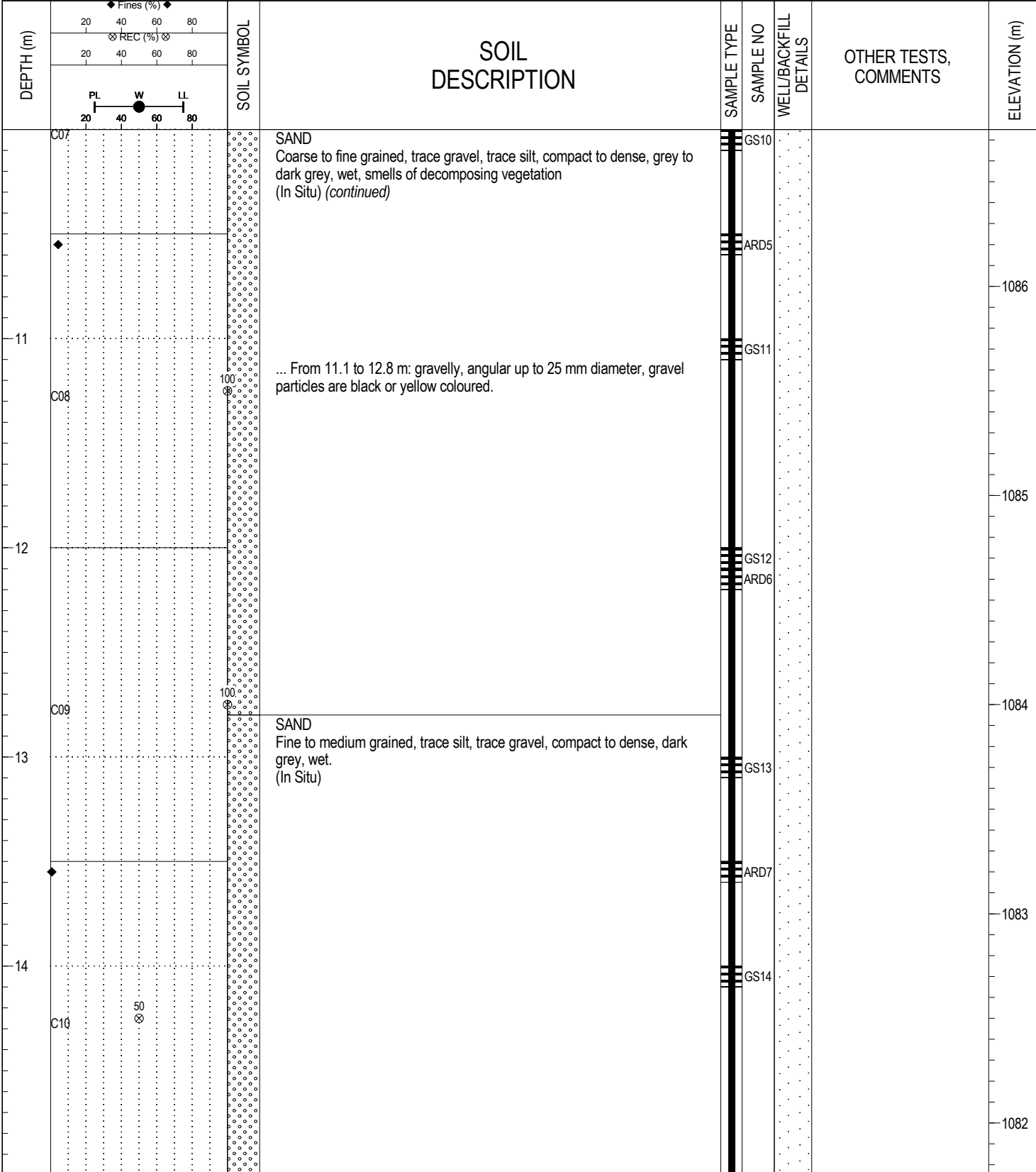


Start Date: 2013-09-13 1:30:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-13 5:30:00 PM	Reviewed By: R. Wood
Completion Depth: 16.50 m	Page 2 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-03
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880675	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389419	Elevation (m): 1097

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-13 1:30:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-13 5:30:00 PM	Reviewed By: R. Wood
Completion Depth: 16.50 m	Page 3 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-03
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880675	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389419	Elevation (m): 1097

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
16		<p>SAND Fine grained sand, some silt, trace gravel, dense, layers 1 to 5 cm thick of trace organics amongst mineral soils spaced 1 to 5 cm apart, moist to wet, trace rootlets, smells of decomposing vegetation. (In Situ)</p>		GS15 ARD8 GS16			1081
17		<p>END OF HOLE AT 16.5 m Reached target depth. 25 mm diameter PVC standpipe installed with hacksaw cut screens, taped bell joints, 0.53 m stickup. Standpipe backfill from sand borrow area, northwest of the tailings dam.</p>				Hole is squeezing in on the drill rods, no rotation, difficult to remove rods	1080
18							1079
19							1078
							1077

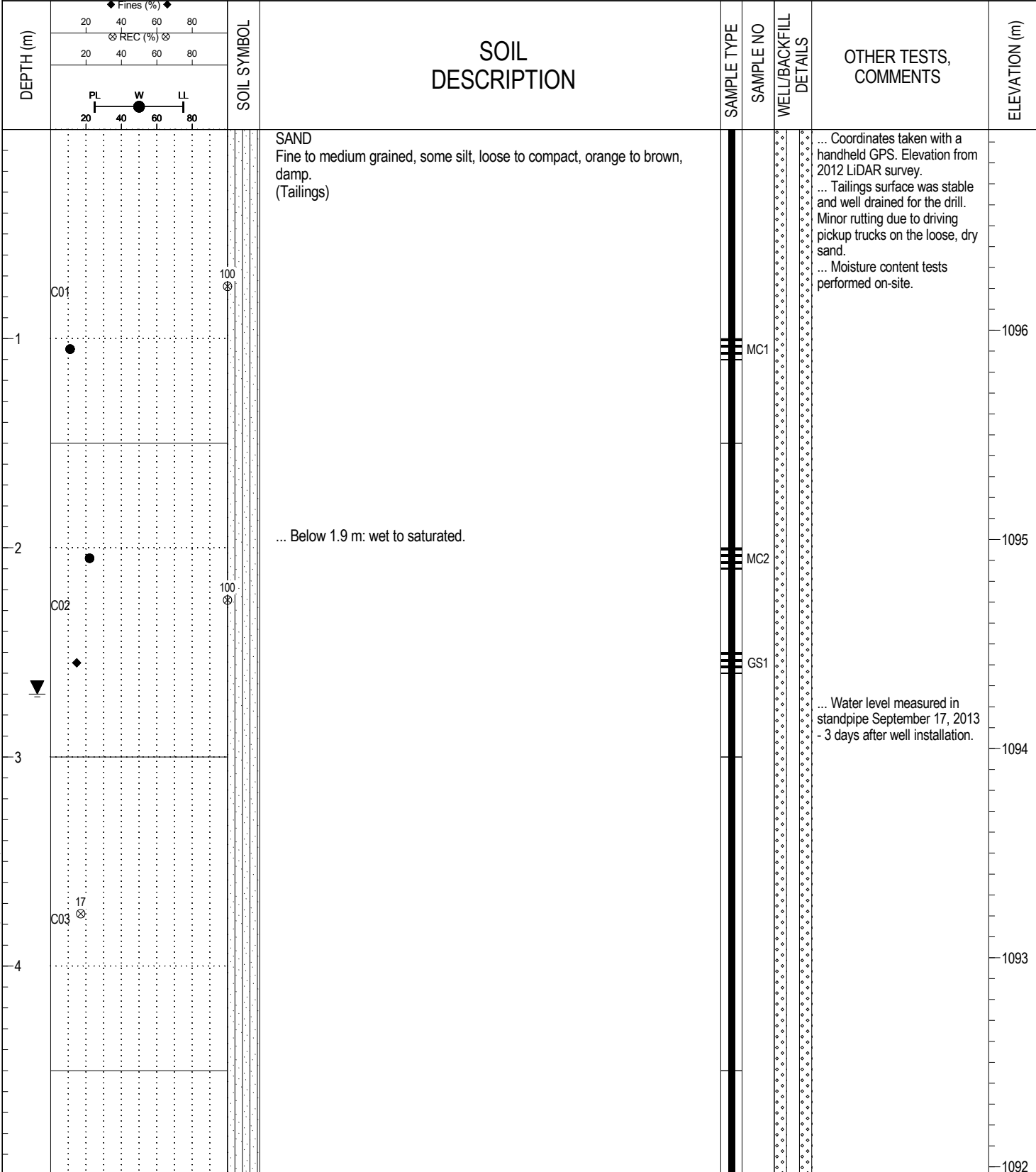
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Start Date: 2013-09-13 1:30:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-13 5:30:00 PM	Reviewed By: R. Wood
Completion Depth: 16.50 m	Page 4 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-04
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880553	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389402	Elevation (m): 1097

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample			
BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough



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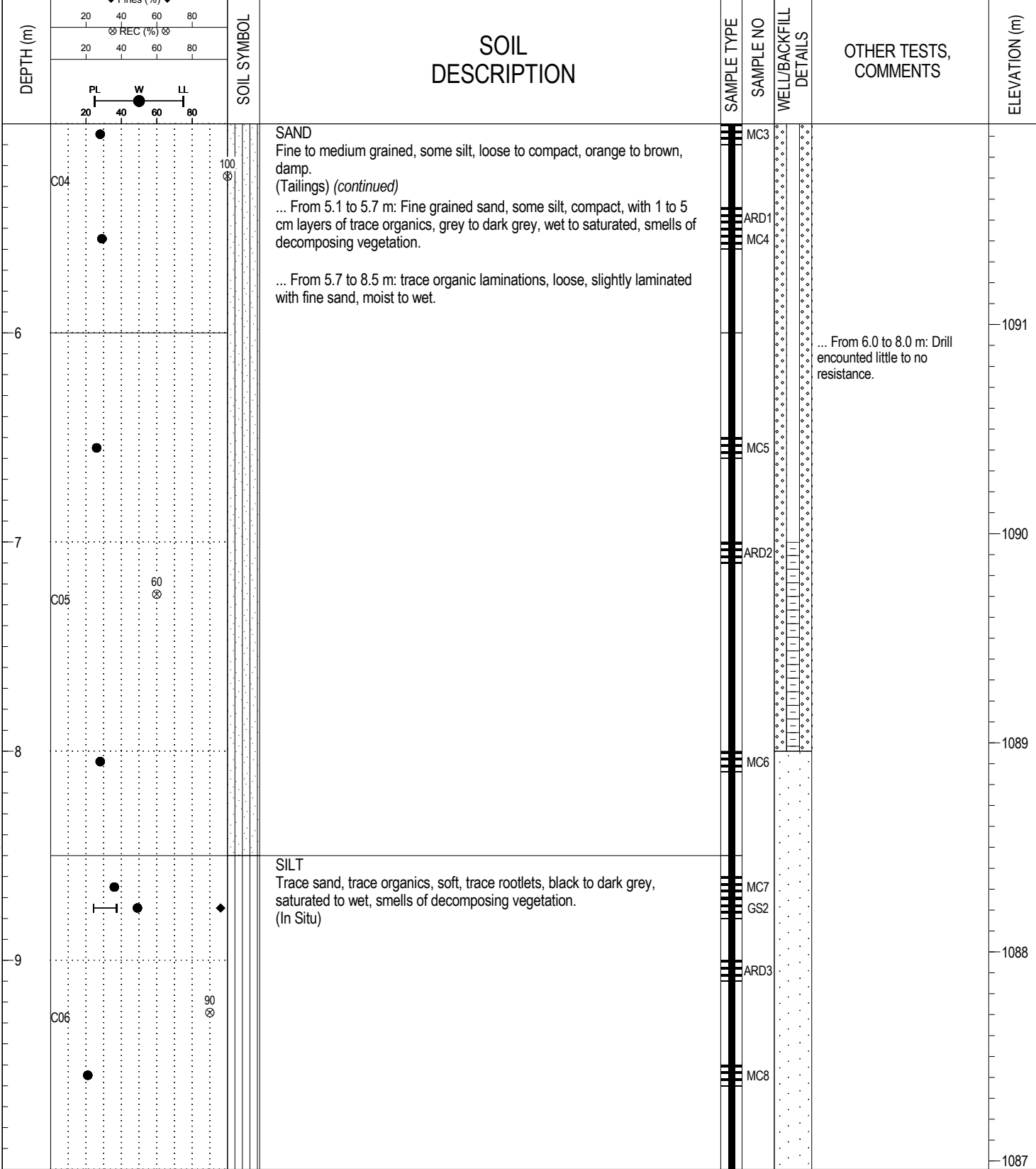


Start Date: 2013-09-14 8:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-14 12:00:00 PM	Reviewed By: R. Wood
Completion Depth: 18.50 m	Page 1 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-04
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880553	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389402	Elevation (m): 1097

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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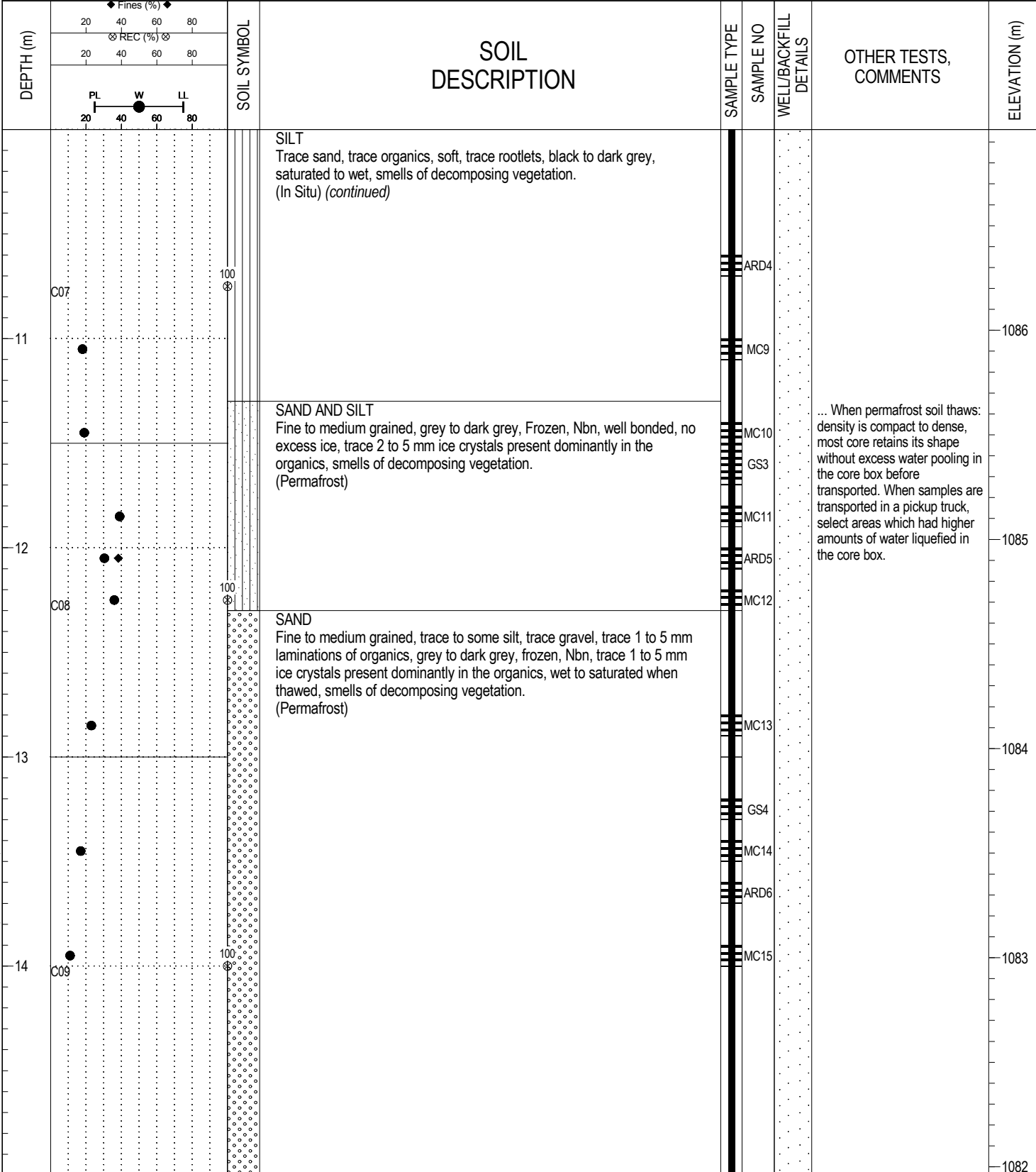


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Completion Date: 2013-09-14 12:00:00 PM	Reviewed By: R. Wood
Completion Depth: 18.50 m	Page 2 of 4

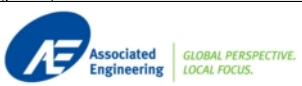
Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-04
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880553	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389402	Elevation (m): 1097

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-14 8:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-14 12:00:00 PM	Reviewed By: R. Wood
Completion Depth: 18.50 m	Page 3 of 4

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Beach	Borehole No: BH-T-13-04
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880553	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389402	Elevation (m): 1097

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	Fines (%) REC (%)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
16			SAND Fine to medium grained, trace to some silt, trace gravel, trace 1 to 5 mm laminations of organics, grey to dark grey, frozen, Nbn, trace 1 to 5 mm ice crystals present dominantly in the organics, wet to saturated when thawed, smells of decomposing vegetation. (Permafrost) (continued)	MC16				1081
17				ARD7				1080
18				MC17				1079
19			END OF HOLE AT 18.5 m Reached target depth. 25 mm diameter standpipe installed with taped bell joints, hacksaw slots and 1.1 m stickup. Hole sloughed in below standpipe. Standpipe backfill from sand borrow area, northwest of the tailings dam.	MC18				1078
				MC19			Hole squeezing drill rods	1077
				ARD8				
				MC20				
				ARD9				

VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-14 8:30:00 AM

Logged By: S. Magnusson

Completion Date: 2013-09-14 12:00:00 PM

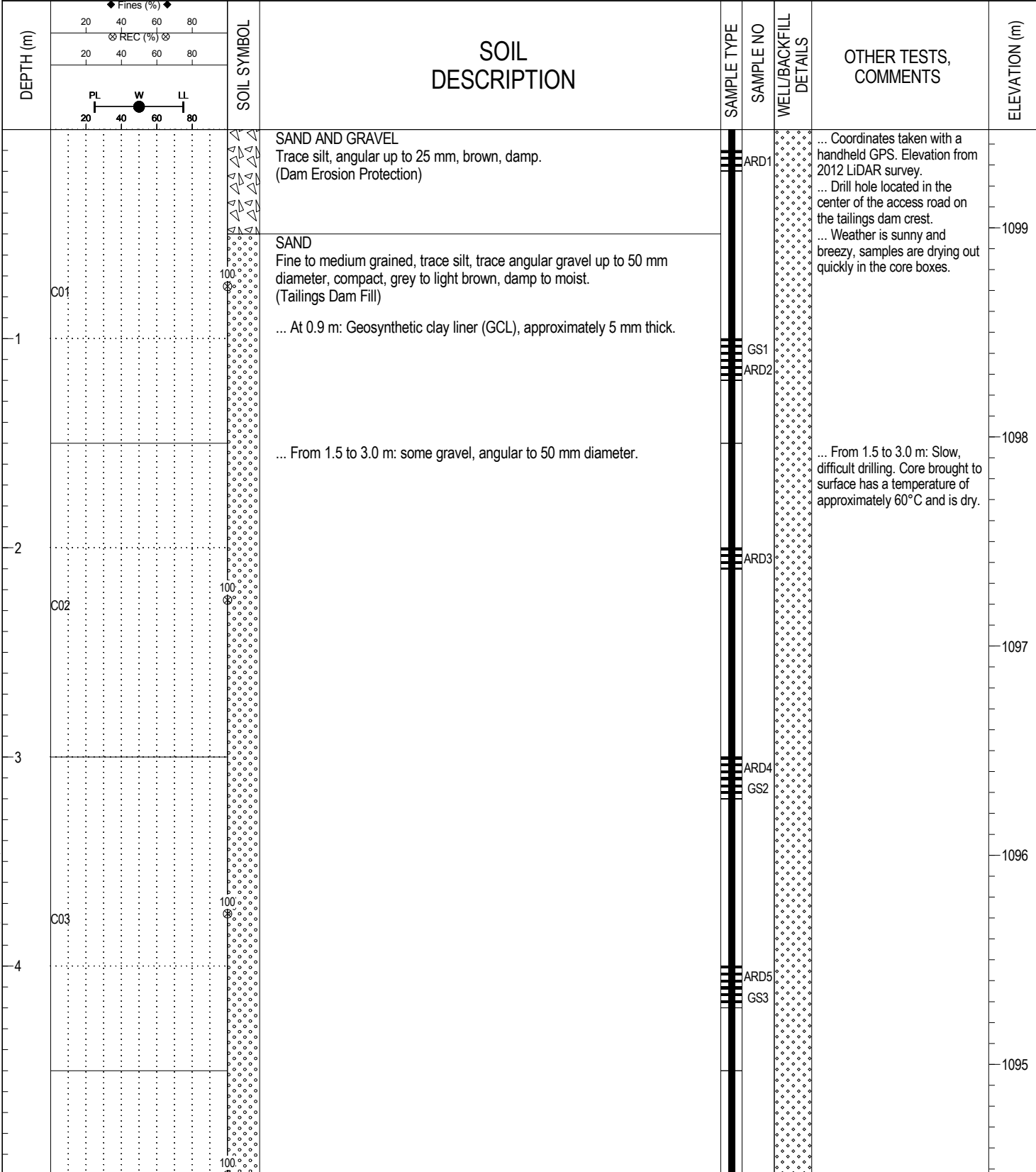
Reviewed By: R. Wood

Completion Depth: 18.50 m

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



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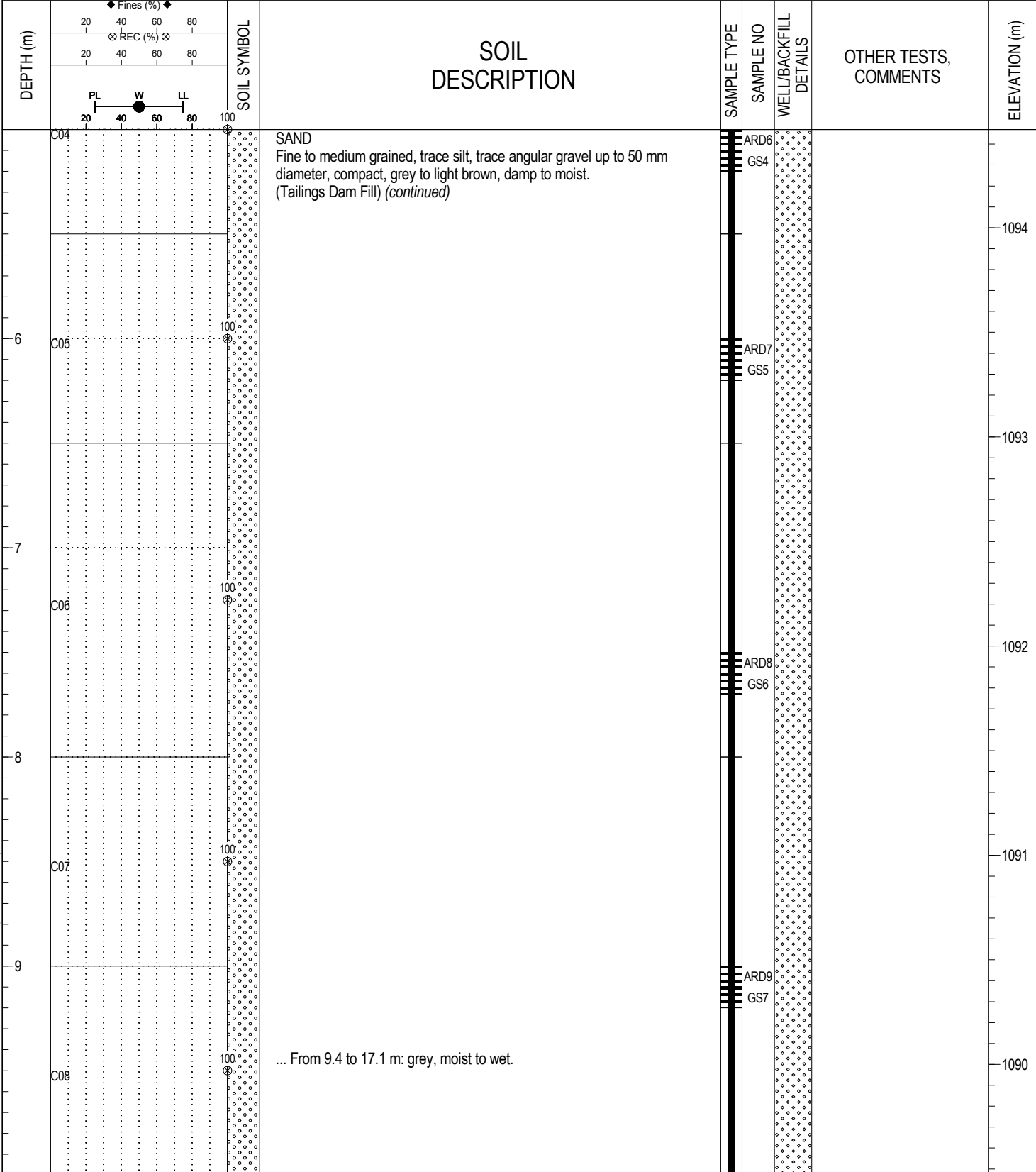


Start Date: 2013-09-12 10:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-13 10:30:00 AM	Reviewed By: R. Wood
Completion Depth: 25.00 m	Page 1 of 6

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



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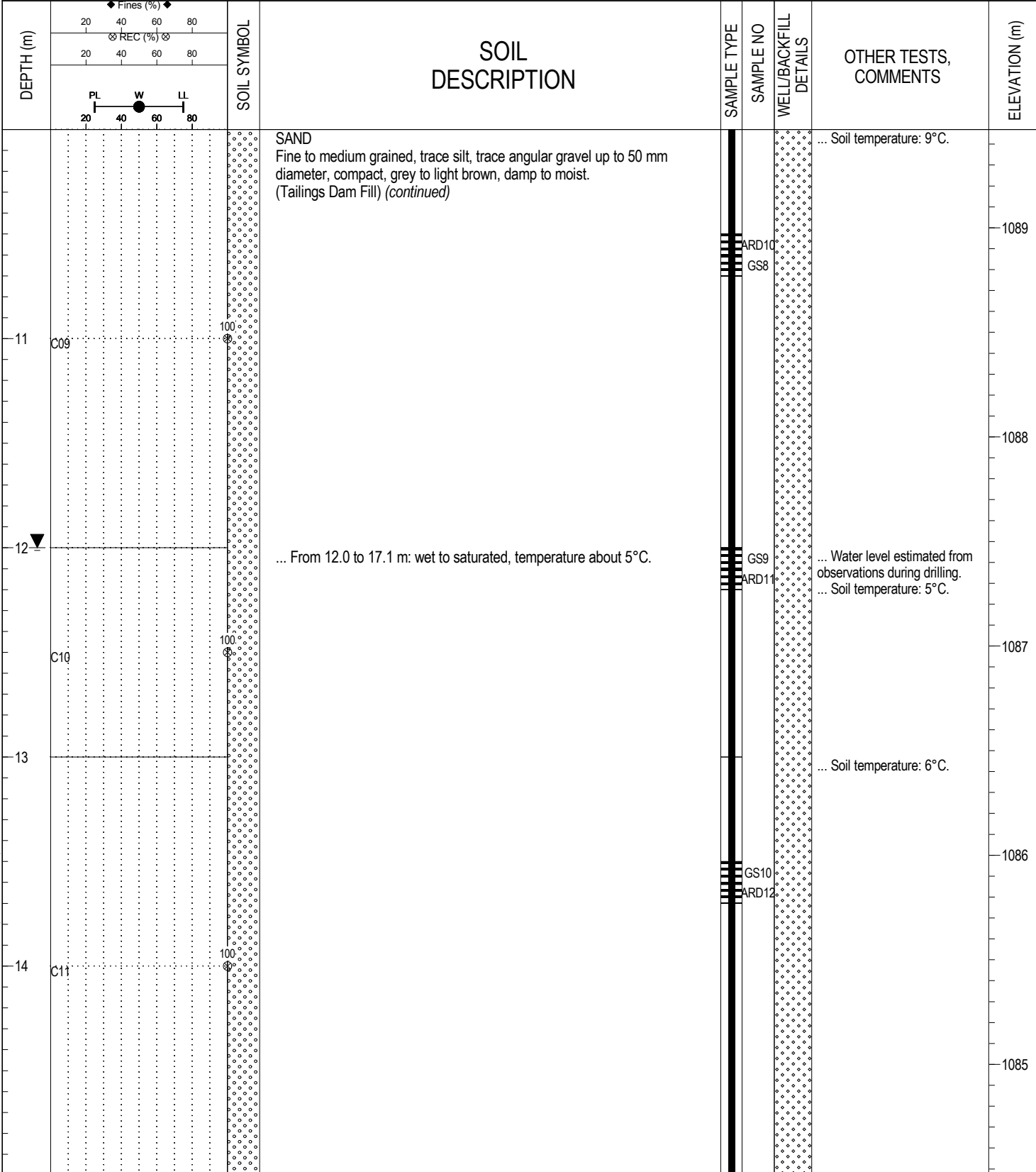


Start Date: 2013-09-12 10:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-13 10:30:00 AM	Reviewed By: R. Wood
Completion Depth: 25.00 m	Page 2 of 6

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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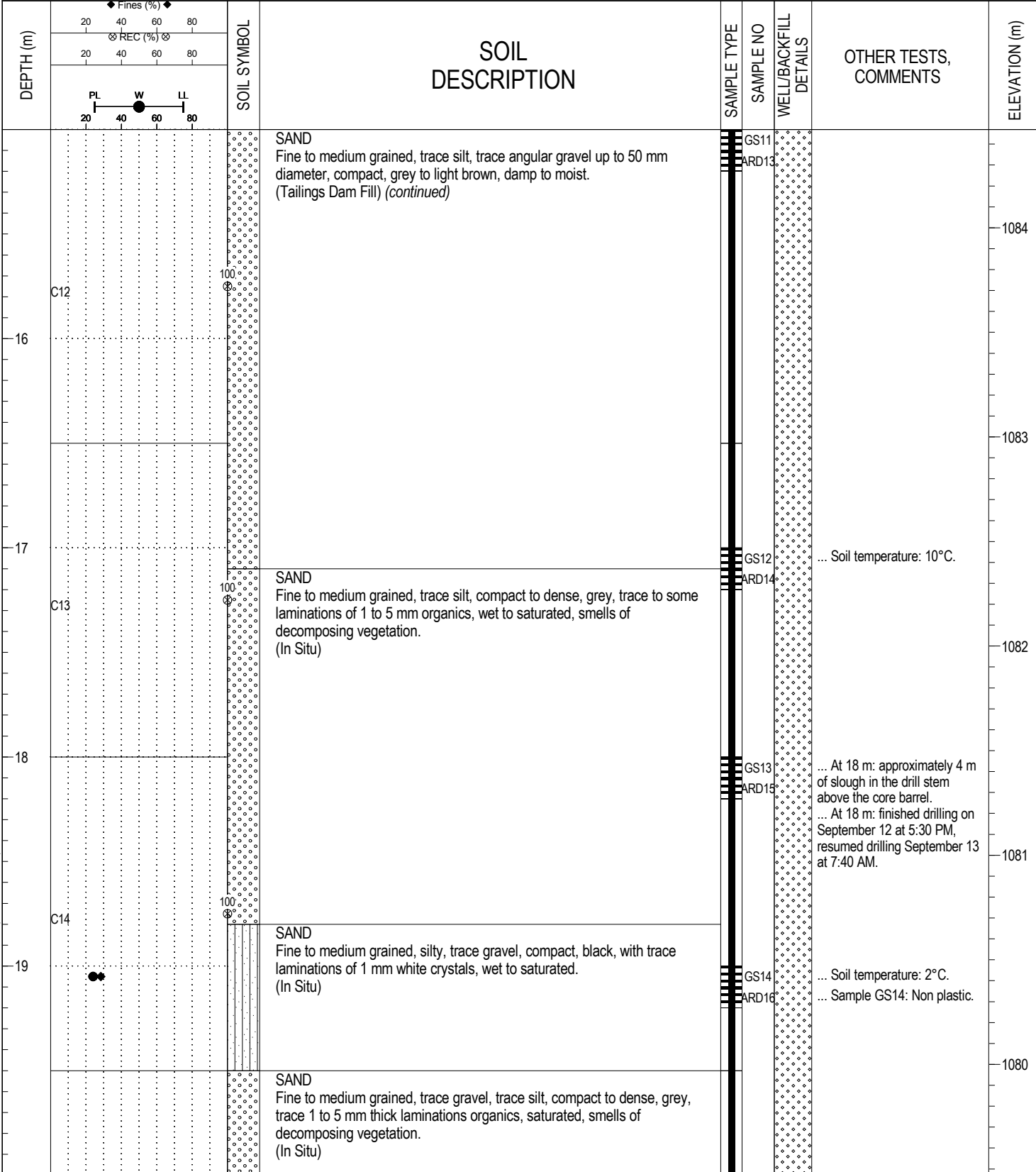


Start Date: 2013-09-12 10:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-13 10:30:00 AM	Reviewed By: R. Wood
Completion Depth: 25.00 m	Page 3 of 6

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough



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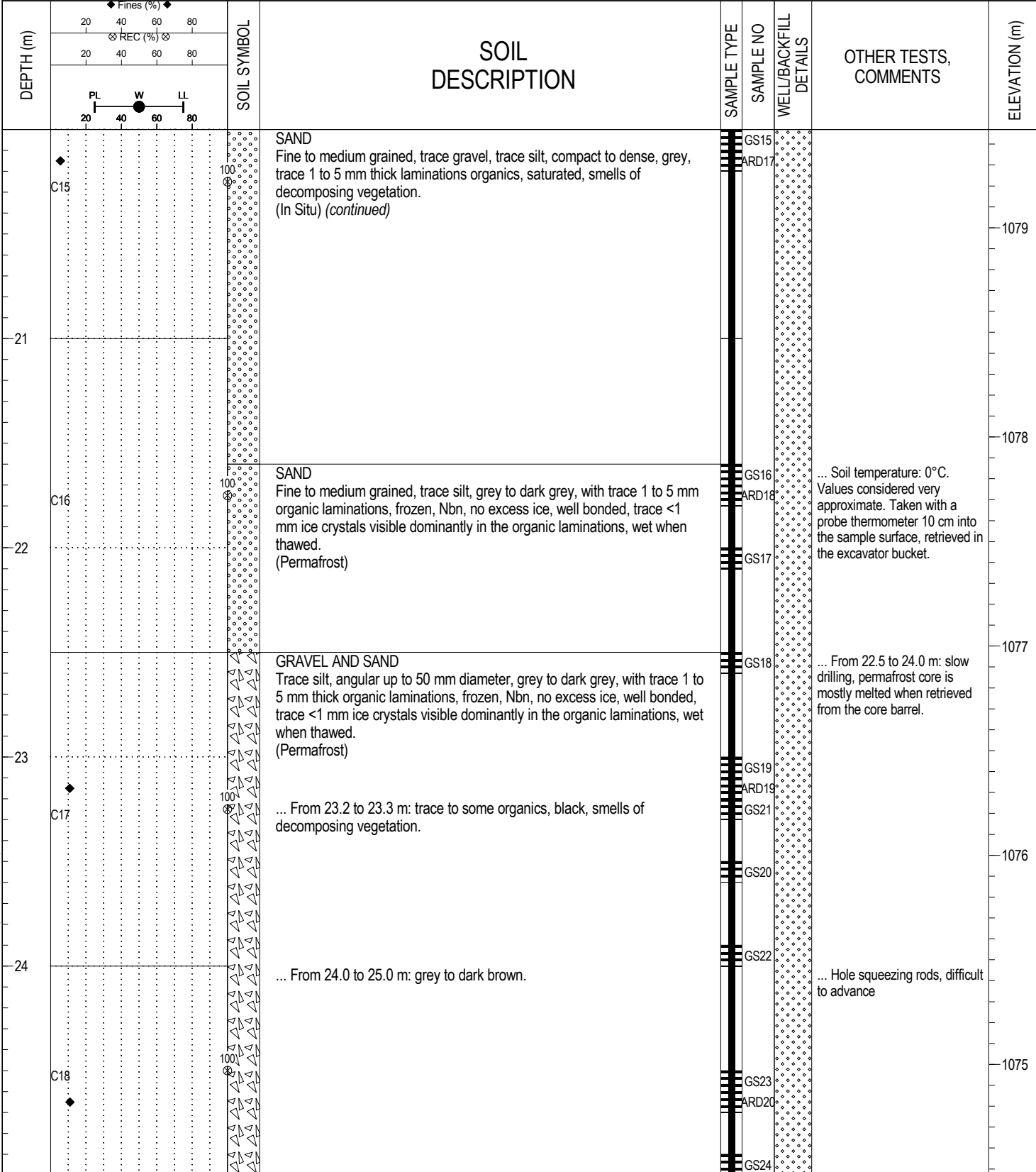


Start Date: 2013-09-12 10:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-13 10:30:00 AM	Reviewed By: R. Wood
Completion Depth: 25.00 m	Page 4 of 6

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-12 10:30:00 AM	Logged By: S. Magnusson
Completion Date: 2013-09-13 10:30:00 AM	Reviewed By: R. Wood
Completion Depth: 25.00 m	Page 5 of 6

Project: Mount Nansen 2013 Site Investigation	Area: Tailings Facility - Tailings Dam	Borehole No: BH-TD-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6880596	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 389457	Elevation (m): 1099

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	SOIL SYMBOL		SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
	Fines (%)	REC (%)						
26			END OF HOLE at 25.0 m Reached target depth. No well installation. Backfilled to surface with dry sand from the adjacent sand borrow to the northeast of the dam.					1074
27								1073
28								1072
29								1071
								1070

VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMART LOG)



Start Date: 2013-09-12 10:30:00 AM

Logged By: S. Magnusson

Completion Date: 2013-09-13 10:30:00 AM

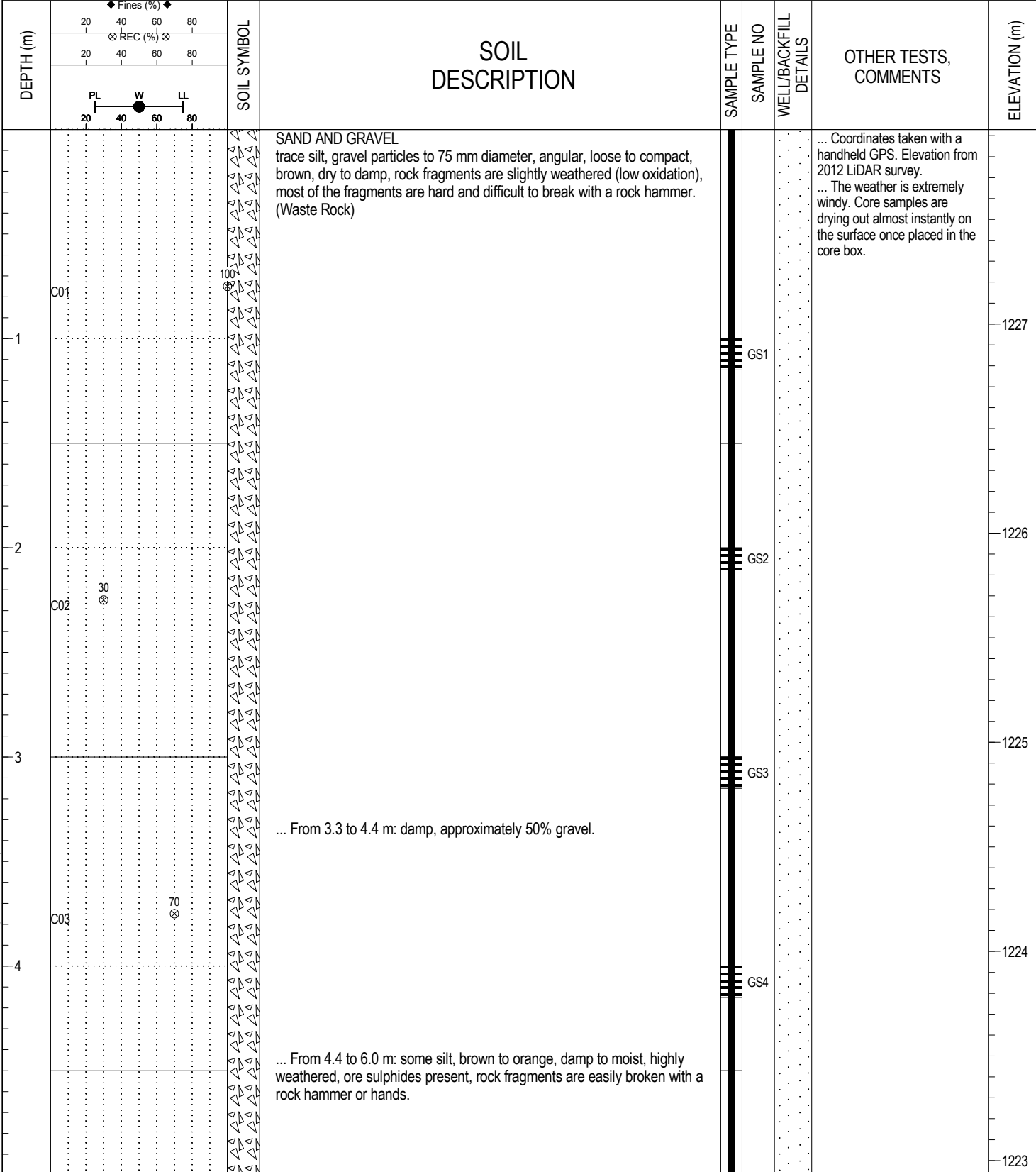
Reviewed By: R. Wood

Completion Depth: 25.00 m

Project: Mount Nansen 2013 Site Investigation	Area: Waste Rock Area - Northwest Pile	Borehole No: BH-WA-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6881564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 388815	Elevation (m): 1228

SAMPLE TYPE	<input type="checkbox"/> Shelby Tube	<input checked="" type="checkbox"/> Core	<input checked="" type="checkbox"/> SPT (N)	<input checked="" type="checkbox"/> Grab Sample
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BACKFILL TYPE	<input checked="" type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite Grout	<input checked="" type="checkbox"/> Bentonite Pellets	<input checked="" type="checkbox"/> Cement Grout	<input checked="" type="checkbox"/> Drill Cuttings	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Slough
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VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-11 1:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-11 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.50 m	Page 1 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Waste Rock Area - Northwest Pile	Borehole No: BH-WA-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6881564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 388815	Elevation (m): 1228

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	Fines (%)		SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
	PL	REC (%)							
0 - 6.0	20	40		SAND AND GRAVEL trace silt, gravel particles to 75 mm diameter, angular, loose to compact, brown, dry to damp, rock fragments are slightly weathered (low oxidation), most of the fragments are hard and difficult to break with a rock hammer. (Waste Rock) (continued)	GS5				1222
6.0 - 6.4				... From 6.0 to 6.4 m: higher gravel content (approximately 70% oversize 25 mm), grey, lower weathering level.	GS6				
6.4 - 8.5				... From 6.4 to 8.5 m: trace to some silt, brown to orange, higher oxidation level, rock fragments easily broken with a rock hammer or hands.	GS7				
8.5 - 9.0				SANDY GRAVEL trace silt, subangular, gravel fragments to 75 mm diameter, grey to brown, dry to damp, low weathering with minor surface staining on rock fragments, rock fragments angular with sharp edges rounded off. (Weathered Bedrock)	GS8				
9.0 - 12.5					GS9				

VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-11 1:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-11 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.50 m	Page 2 of 3

Project: Mount Nansen 2013 Site Investigation	Area: Waste Rock Area - Northwest Pile	Borehole No: BH-WA-13-01
Client: Government of Yukon - AAM	Northing (UTM Zone 8, NAD 83): 6881564	Project No: VM00605E
Contractor & Method: Dark Side Drilling, Sonic	Easting (UTM Zone 8, NAD 83): 388815	Elevation (m): 1228

SAMPLE TYPE Shelby Tube Core SPT (N) Grab Sample

BACKFILL TYPE Bentonite Chips Bentonite Grout Bentonite Pellets Cement Grout Drill Cuttings Sand Slough

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	WELL/BACKFILL DETAILS	OTHER TESTS, COMMENTS	ELEVATION (m)
10.7		GRAVEL trace to some sand and silt, subangular gravel particles to 75 mm diameter, grey to brown, dry to damp, low oxidation and hard to break with a rock hammer. (Bedrock)	GS	GS10			
11.0		SAND AND GRAVEL trace silt, subangular gravel fragments to 75 mm diameter, grey to brown, dry to damp, low weathering with minor surface staining on rock fragments, rock fragments angular, but sharp edges rounded off. (Weathered Bedrock)	GS	GS11			1217
11.5 - 11.8		... From 11.5 to 11.8 m: orange, damp, elevated weathering level.					
12.0			GS	GS12			1216
12.5		END OF HOLE at 12.5 m Reached target depth. No groundwater encountered. No well installation. Hole sloughed in.					1215
14.0							1213

VM00605 MT NANSEN GEOTECH.GPJ 14-02-27 02:39 PM (SMARTLOG)



Start Date: 2013-09-11 1:00:00 PM	Logged By: S. Magnusson
Completion Date: 2013-09-11 4:00:00 PM	Reviewed By: R. Wood
Completion Depth: 12.50 m	Page 3 of 3