


SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-314			
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3			
Linkbelt 330LX		Coordinates: Z09V N6734932m E488207m		ELEVATION: m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK		
		<input type="checkbox"/> SPT	<input type="checkbox"/> CORE				
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C LIQUID 0 20 40 60 80 100 0 20 40 60 80 100						
						ORGANICS -Moss rootlets	1
						2.8m Deep Test Pit No Samples Taken Inspectors Observations -Test Pit Top of Backslope Spruce Covered -Damp Silts mixed with Boulders -Fractured Rock -Moderate Digging	2
						END OF HOLE -Refusal on Shale	3
							4
							5
				LOGGED BY: S.Drummond		Termination Depth: 0m	
				COMPILED BY: J Hopkins		Complete: 10/31/2014	
				REVIEWED BY: R.Stiwell		Pit #:	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-315				
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3				
Linkbelt 330LX		Coordinates: Z09V N6734896m E488228m		ELEVATION: m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0 20 40 60 80 100						
							No Test Pit - Photo of Exposed Rock	1
								2
								3
								4
								5
		LOGGED BY: S.Drummond		Termination Depth: 0m				
		COMPILED BY: J Hopkins		Complete: 10/31/2014				
		REVIEWED BY: R.Stilwell		Pit #:				

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-316				
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3				
Linkbelt 330LX		Coordinates: Z09V N6734910m E488242m		ELEVATION: m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE	
ELEV. (m)		★ Percent Fines ★		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand ◆						
		■ Percent Gravel ■						
							Moss Rootlets - Spruce Covered Terrain	
							2.1m Deep Test Pit No Samples Taken Inspectors Observations -Test Pit Top of Backslope Spruce Covered -Damp Silts with Some Gravels	1
							END OF HOLE Refusal on Shale	2
								3
								4
								5
				LOGGED BY: S.Drummond		Termination Depth: 0m		
				COMPILED BY: J Hopkins		Complete: 10/31/2014		
				REVIEWED BY: R.Stiwell		Pit #:		
						Page 1 of 1		

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-319			
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3			
Linkbelt 330LX		Coordinates: Z09V N6734745m E488370m		ELEVATION: m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK		
		<input type="checkbox"/> SPT	<input type="checkbox"/> CORE				
ELEV. (m)		★ Percent Fines ★	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand ◆					
						Spruce Covered Terrain	
						2.0m Deep Test Trench No Samples Taken Inspectors Observations -Test Trench in Existing Trench which -is Approximately 0.6m below OG -Silts with Broken Rock	1
						END OF HOLE Refusal on Shale	2
							3
							4
							5
		LOGGED BY: S.Drummond		Termination Depth: 0m			
		COMPILED BY: J Hopkins		Complete: 10/31/2014			
		REVIEWED BY: R.Stiwell		Pit #:			

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-320			
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3			
Linkbelt 330LX		Coordinates: Z09V N67344680m E488402m		ELEVATION: m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input checked="" type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE					
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
						No Test Pit - Photo of Exposed Rock	
							1
							2
							3
							4
							5
				LOGGED BY: S.Drummond		Termination Depth: 0m	
				COMPILED BY: J Hopkins		Complete: 10/31/2014	
				REVIEWED BY: R.Stilwell		Pit #:	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-322			
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3			
Linkbelt 330LX		Coordinates: Z09V N6737667m E487553m		ELEVATION: m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C LIQUID 0 20 40 60 80 100 0 20 40 60 80 100						
						ORGANICS Moss rootlets 1.7m Deep Trench Dug on the 1 1/2 Backslope Perpendicular to the Highway C/L, 3.4m Above Road Surface Elevation. 1.7m Horizontally up the slope from the toe of the Back Slope No Samples Taken Inspectors Observations -Slope Bascially Horizontally Stratified Layers -of Medium Sands with some fine Gravels -Walls Caving in	1
						END OF HOLE	2
							3
							4
							5
				LOGGED BY: S.Drummond		Termination Depth: 0m	
				COMPILED BY: J Hopkins		Complete: 10/31/2014	
				REVIEWED BY: R.Stiwell		Pit #: _____	

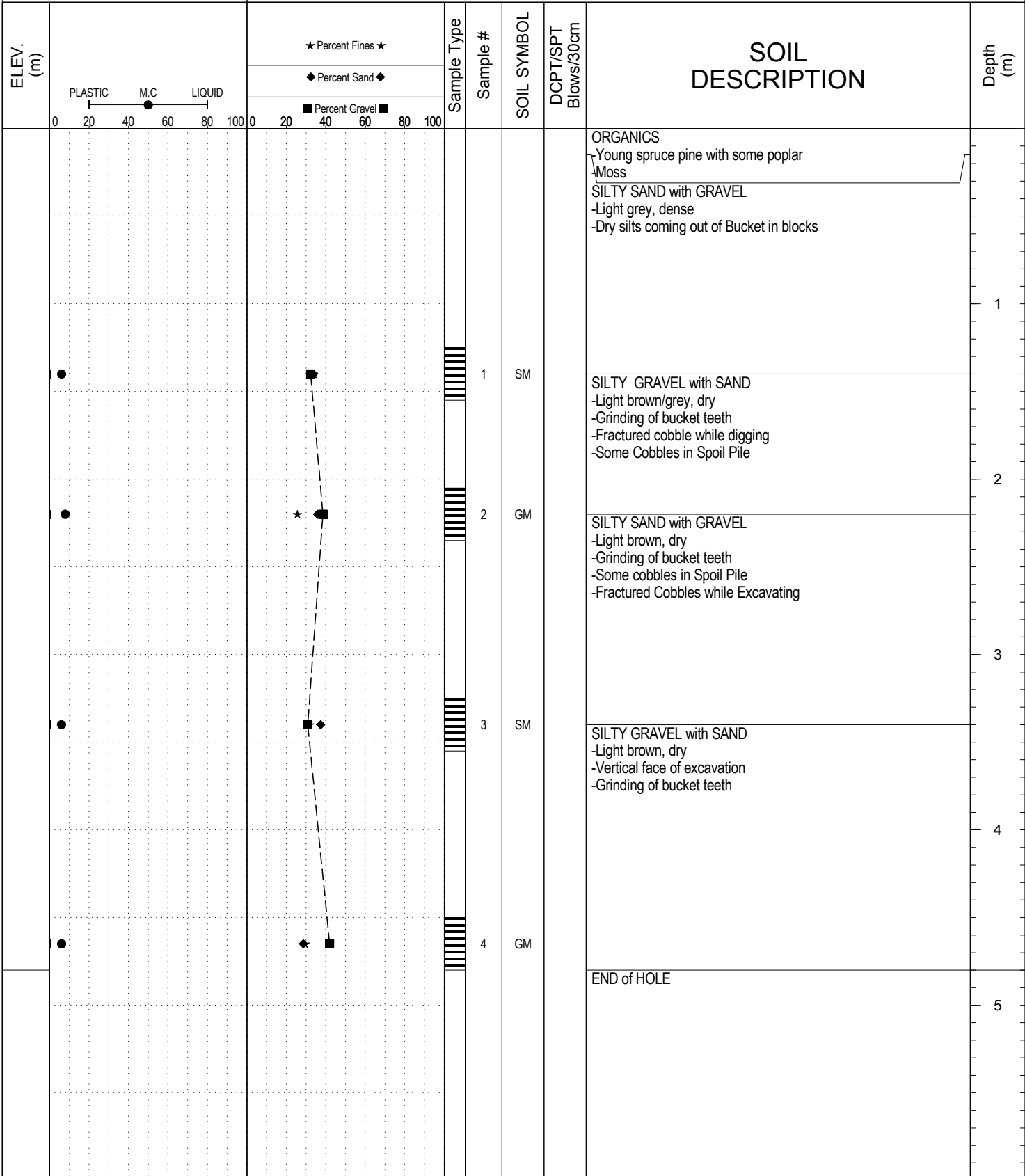
SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-324		
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3		
Linkbelt 330LX		Coordinates: Z09V N6737562m E487630m		ELEVATION: m		
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED		<input type="checkbox"/> DCPT		
		<input type="checkbox"/> AUGER		<input type="checkbox"/> BULK		
		<input checked="" type="checkbox"/> SPT		<input type="checkbox"/> CORE		
ELEV. (m)		★ Percent Fines ★		Sample #	SOIL SYMBOL	
		◆ Percent Sand ◆				
		■ Percent Gravel ■			DCPT/SPT Blows/30cm	
					<p style="text-align: center;">SOIL DESCRIPTION</p> <p>Dry Sands 5m deep Trench dug on the backslope of the roadway Sample taken from Spoil Pile</p>	
						1
						2
						3
						4
						5
			LOGGED BY: S.Drummond		Termination Depth: 0m	
			COMPILED BY: B.Tyhy		Complete: 10/31/2014	
			REVIEWED BY: R.Stilwell		Pit #:	
					Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4897						
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3						
Linkbelt 330LX		Coordinates: Z09V N6737719m E487662m		ELEVATION: m						
SAMPLE TYPE		UNDISTURBED	DCPT	AUGER	BULK	SPT	CORE			
ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0 20 40 60 80 100		0 20 40 60 80 100							
									ORGANICS -Young spruce & pine with Some Larger Dia. Trees -Moss with rootlets SILT -Light grey, stiff, dry -Hard digging	1
					1	1	ML		SILT with SAND -Light grey, dry, stiff	2
					2	2	ML		SANDY SILT - Light grey, dry, stiff - Starting to find cobbles @ 3.6m - Grinding when Excavating	3
					3	3	ML		SILTY GRAVEL with SAND -Light grey, dry, dense -Odd cobble in Spoil Pile	4
					4	4	GM			5
									END of HOLE	
							LOGGED BY: S.Drummond		Termination Depth: 5m	
							COMPILED BY: B.Tyhy		Complete: 10/28/2014	
							REVIEWED BY: R.Stiwell		Pit #:	
									Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4898				
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3				
Linkbelt 330LX		Coordinates: Z09V N6737596m E487655m		ELEVATION: m				
SAMPLE TYPE		UNDISTURBED	DCPT	AUGER	BULK	SPT	CORE	
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C. LIQUID 0 20 40 60 80 100							
							ORGANICS -Moss with rootlets SILTY SAND with GRAVEL -Light brown, dry -Some Cobbles in Spoil Pile	1
				1	SM		WELL-GRADED SAND with SILT and GRAVEL -Light brown, dry -Grinding from teeth of bucket	2
				2	SW-SM		SILTY SAND with GRAVEL -Light brown, dry -Grinding from bucket teeth -Hard digging with Depth	3
				3	SM		SILTY GRAVEL with SAND -Light brown, dry -Hard digging	4
				4	GM		END of HOLE	5

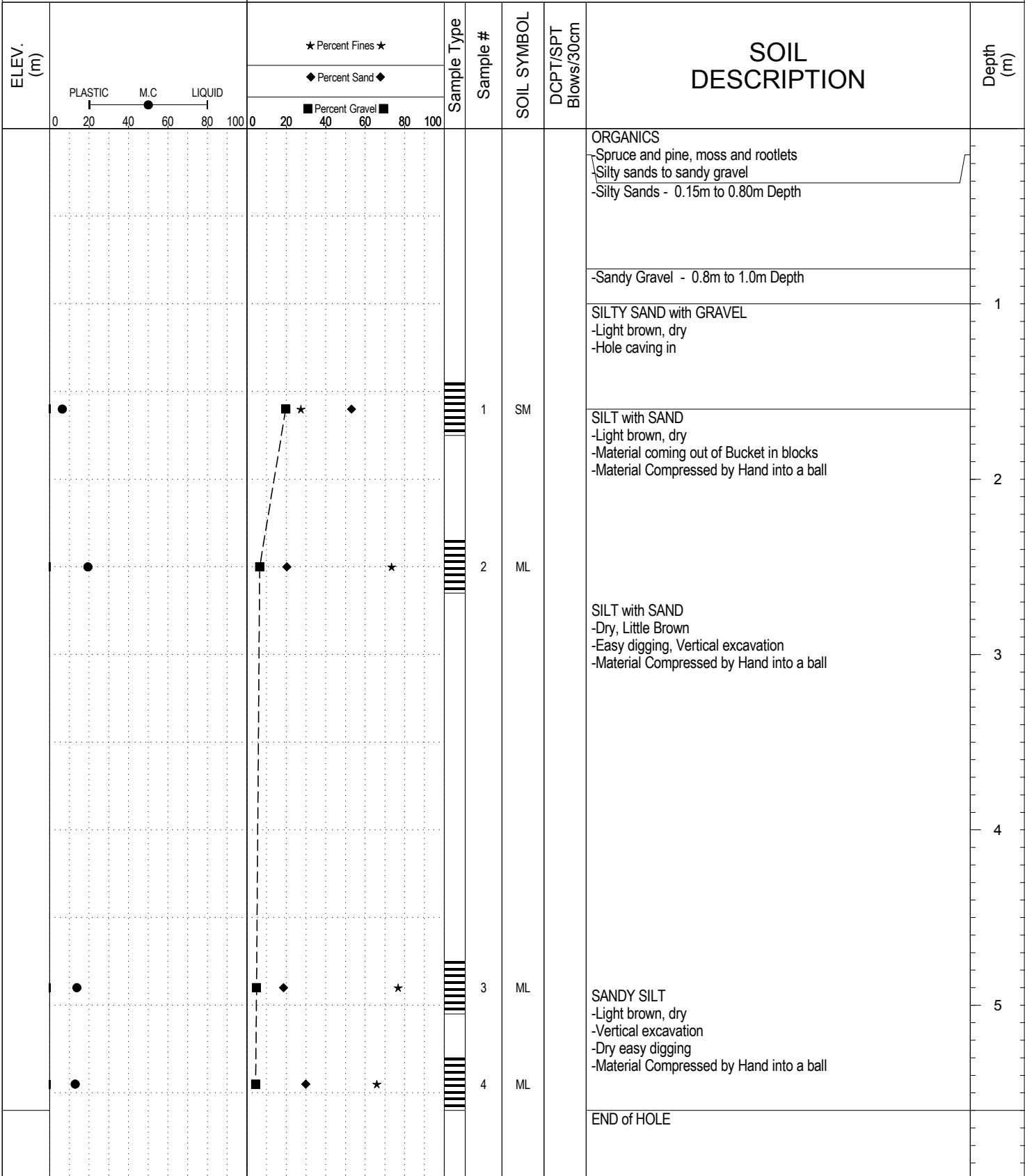
SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy	SOURCE/TP#: 852-4899
Castlerock Ent.		Right of Way Excavation, km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX		Coordinates: Z09V N6737480m E487691m	ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4900				
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3				
Linkbelt 330LX		Coordinates: Z09V N6737500m E487637m		ELEVATION: m				
SAMPLE TYPE		UNDISTURBED		DCPT				
		AUGER		BULK				
		SPT		CORE				
ELEV. (m)	PLASTIC M.C. LIQUID		Sample Type		SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0 20 40 60 80 100		0 20 40 60 80 100					
			★ Percent Fines ★	◆ Percent Sand ◆			ORGANICS	
			■ Percent Gravel ■				-Mature spruce	
							-Silty layer and organics	
							No Sample Taken	
							Stratified Layer	
							Silt Layer, Damp, Plastic	
							High Silty Layer Sand Gravel Layer Dense	
							WELL-GRADED SAND with SILT	1
							Sands medium to fine	
							First 400mm Sands Light Brown	
							Next 500mm Sands Light Grey	
							Easy Digging - Caving In	
							POORLY GRADED SAND with SILT and GRAVEL	2
							-Light brown-grey, dry	
							-Easy digging	
							SILTY SAND with GRAVEL	3
							-Light brown-grey	
							-Some cobbles in Spoil Pile	
							-Easy digging	
							SILTY SAND	4
							-Light brown	
							-Easy digging	
							SILTY SAND	5
							-Light brown	
							-Easy digging	
							END of HOLE	

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4902				
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3				
Linkbelt 330LX		Coordinates: Z09V N6737681m E487595m		ELEVATION: m				
SAMPLE TYPE		UNDISTURBED	DCPT	AUGER	BULK	SPT	CORE	
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C. LIQUID 0 20 40 60 80 100							
							ORGANICS -Moss and rootlets, some mature spruce and pine -Note test pit on access road along steep slope SILTY SAND with GRAVEL -Light brown	1
				1	SM		SILTY SAND with GRAVEL -Damp -Light Brown -Easy digging, Hole Caving in	2
				2	SM		SILTY SAND with GRAVEL -Dry -Light Brown -Hole caving	3
				3	SM		POORLY GRADED SAND with SILT and GRAVEL -Getting harder to dig	5
				4	SP-SM		END of HOLE	

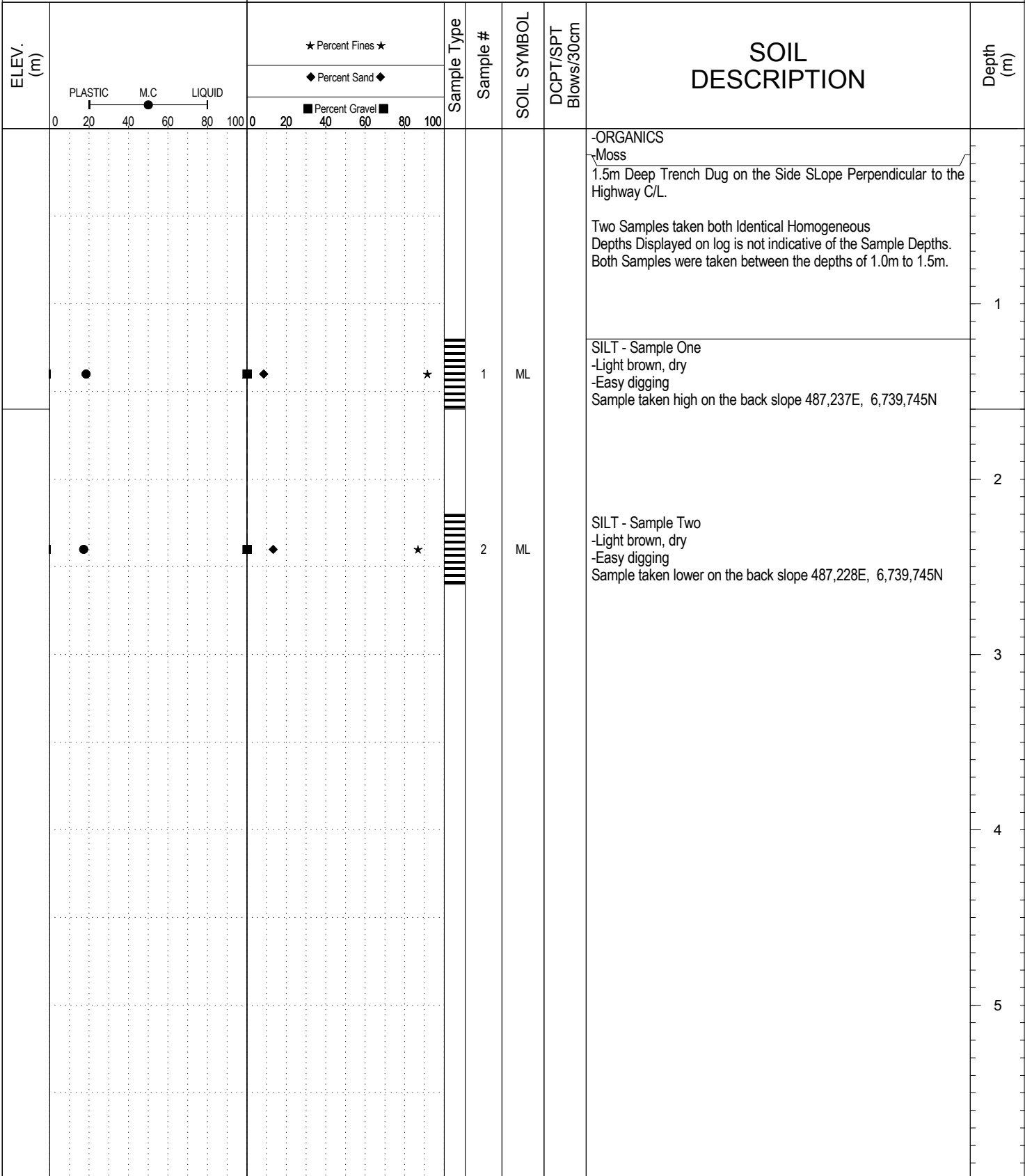
SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4904						
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3						
Linkbelt 330LX		Coordinates: Z09V N6737448m E487613m		ELEVATION: m						
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE			
ELEV. (m)	PLASTIC M.C. LIQUID 0 20 40 60 80 100		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0 20 40 60 80 100		0 20 40 60 80 100							
						1	SP		ORGANICS -Silt and rootlets POORILY GRADED SAND - Taken from Trench -One meter deep trench dug on the side slope perpendicular to highway c/l -Inspector's Observations of Trench Looking up the BackSlope -2.8m Band of Sands -0.3m Band of Gravelly -1.0m of Silty Fine Sands -1m of Gravels -0.5m Silty Gravelly Sands END of HOLE	1
										2
										3
										4
										5
								LOGGED BY: S.Drummond		Termination Depth: 1m
								COMPILED BY: B.Tyhy		Complete: 10/28/2014
								REVIEWED BY: R.Stilwell		Pit #: Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4905					
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3					
Linkbelt 330LX		Coordinates: Z09V N6736966m E487800m		ELEVATION: m					
SAMPLE TYPE		UNDISTURBED	DCPT	AUGER	BULK	SPT	CORE		
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)	
	PLASTIC M.C LIQUID 0 20 40 60 80 100								
							ORGANICS		
							-Moss and rootlets, spruce & pine -Mineral Soils Light Brown to Rust colored		
							SILTY GRAVEL with SAND		
							-Dark grey, dry to damp -Easy digging -Damp 0.3m Lumps in Spoil Pile -no sloughing	1	
							SILTY GRAVEL with SAND		
							-Dry, dense, Dark Grey -Easy digging -Vertical walled excavation	2	
							SILTY SAND with GRAVEL		
							-Dark grey, dry, dense -Little harder digging -Vertical walled excavation	3	
							SILTY SAND with GRAVEL		
							-Clumps of silt -Easier digging	4	
							SILTY SAND with GRAVEL		
							-Clumps of silt -Easier digging	5	
							END of HOLE		
						LOGGED BY: S.Drummond COMPILED BY: B.Tyhy REVIEWED BY: R.Stiwell		Termination Depth: 5.4m Complete: 10/29/2014 Pit #:	
								Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4906					
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3					
Linkbelt 330LX		Coordinates: Z09V N6736881m E487816m		ELEVATION: m					
SAMPLE TYPE		UNDISTURBED	DCPT	AUGER	BULK	SPT	CORE		
ELEV. (m)		★ Percent Fines ★		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand ◆							
								ORGANICS -Moss and rootlets, spruce & pine covered -Some silt with sand SILTY SAND -Dark brown -Dry becoming damp with depth, dense	1
					1	SM		SILT -Dry -Fractured silt blocks	2
					2	ML		SILTY SAND -Medium brown -Grinding of bucket teeth	3
					3	SM		SILTY SAND -Dark brown, dry -Some cobbles in Spoil Pile -Digging is easier	4
					4	SM			5
								END of HOLE	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy	SOURCE/TP#: 852-4907
Castlerock Ent.		Right of Way Excavation, km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX		Coordinates: Z09V N6739745m E487228m	ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4908							
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3							
Linkbelt 330LX		Coordinates: Z09V N6739543m E487217m		ELEVATION: m							
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE				
ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)	
	0 20 40 60 80 100		0 20 40 60 80 100								
						1	ML		-ORGANICS -Moss -Mineral soil 1.5m Deep Trench Dug on the Side Slope Perpendicular to the Highway C/L. Two Samples taken both Identical Homogeneous Depths Displayed on logs is not indicative of the Sample Depths. Both Samples were taken between the depths of 1.0m to 1.5m. SILT - Sample One -Light brown, dry -Easy digging Sample taken high on the back slope 487,222E, 6,739,544N	1	
						2	ML		SILT - Sample Two -Light brown, dry -Easy digging Sample taken lower on the back slope 487,217E, 6,739,543N	2	
										3	
										4	
										5	
								LOGGED BY: S.Drummond		Termination Depth: 1.6m	
								COMPILED BY: B.Tyhy		Complete: 10/29/2014	
								REVIEWED BY: R.Stiwell		Pit #:	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4909					
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3					
Linkbelt 330LX		Coordinates: Z09V N6737565m E487562m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE		
ELEV. (m)		★ Percent Fines ★		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand ◆							
0	20 40 60 80 100	0	20 40 60 80 100						
					1	SM		<p>Zero organic cover as this is a trench in backslope</p> <p>1.5m Deep Trench Dug on the Side Slope Perpendicular to the Highway C/L Sample Taken 3.3m Above Road Surface Elevation 1.7m Horizontally up from the toe of the Back Slope</p> <p>Inspectors Observations -Sands Showing in Bottom of Excavation with Stratified Silt Seams with Cobbles</p> <p>SILTY SAND -Dry, dense -Stratified, silt seams and cobble till</p>	1
									2
									3
									4
									5
		LOGGED BY: S.Drummond			Termination Depth: 1.5m				
		COMPILED BY: B.Tyhy			Complete: 10/30/2014				
		REVIEWED BY: R.Stiwell			Pit #: _____ Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell hwy		SOURCE/TP#: 852-4910					
Castlerock Ent.		Right of Way Excavation, km 88-97		PROJECT NO: 552-202104-0235-0661-3					
Linkbelt 330LX		Coordinates: Z09V N6737731m E487558m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE		
ELEV. (m)		★ Percent Fines ★		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand ◆							
		0 20 40 60 80 100		0 20 40 60 80 100					
		●		★ ■ ◆				<p>Sandy silt layer</p> <p>-No organics as excavation was on backslope</p> <p>1.5m Deep Trench Dug on the Side Slope Perpendicular to the Highway C/L, 1.0m Above Road Surface Elevation. Sample Taken 2.3m Above Road Surface Elevation 1.7m Horizontally up from the toe of the Back Slope</p> <p>Inspectors Observations</p> <ul style="list-style-type: none"> -Silty Gravel Layer 0.3 to 2.3m Vertical -Cut ending 7.0m above Road Surface Elevation -Cut has Layers of Horizontal Medium Sand Lens <p>WELL-GRADED SAND with GRAVEL</p>	1
									2
									3
									4
									5
						LOGGED BY: S.Drummond		Termination Depth: 2.3m	
						COMPILED BY: B.Tyhy		Complete: 10/31/2014	
						REVIEWED BY: R.Stiwell		Pit #:	
								Page 1 of 1	

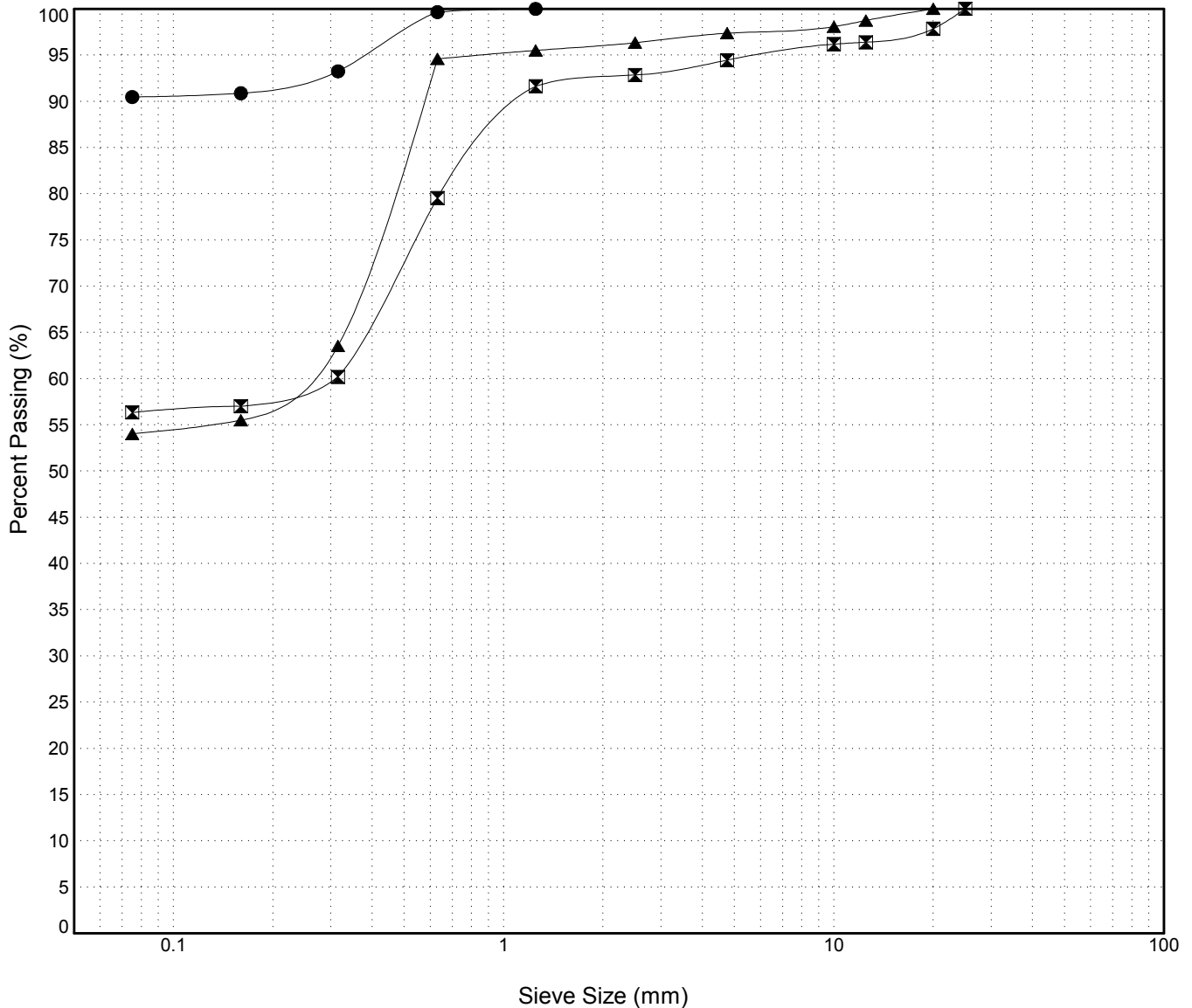
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4896
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6738893m E487397m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	533	1.6 to 1.9	SILT(ML)	14.4	NP	NP	NP		
☒ 2	534	3.2 to 3.5	SANDY SILT(ML)	7.4	NP	NP	NP		
▲ 3	535	5.5 to 5.8	SANDY SILT(ML)	8.4	NP	NP	NP		

Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
																Gravel	Sand	Silt	Clay
● 1	533	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	93.2	90.9	90.5	0.0	9.5	90.5	
☒ 2	534	100.0	100.0	100.0	100.0	97.8	96.4	96.2	94.5	92.9	91.6	79.5	60.2	57.0	56.3	5.5	38.1	56.3	
▲ 3	535	100.0	100.0	100.0	100.0	100.0	98.7	98.1	97.4	96.3	95.5	94.6	63.5	55.5	54.0	2.6	43.3	54.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



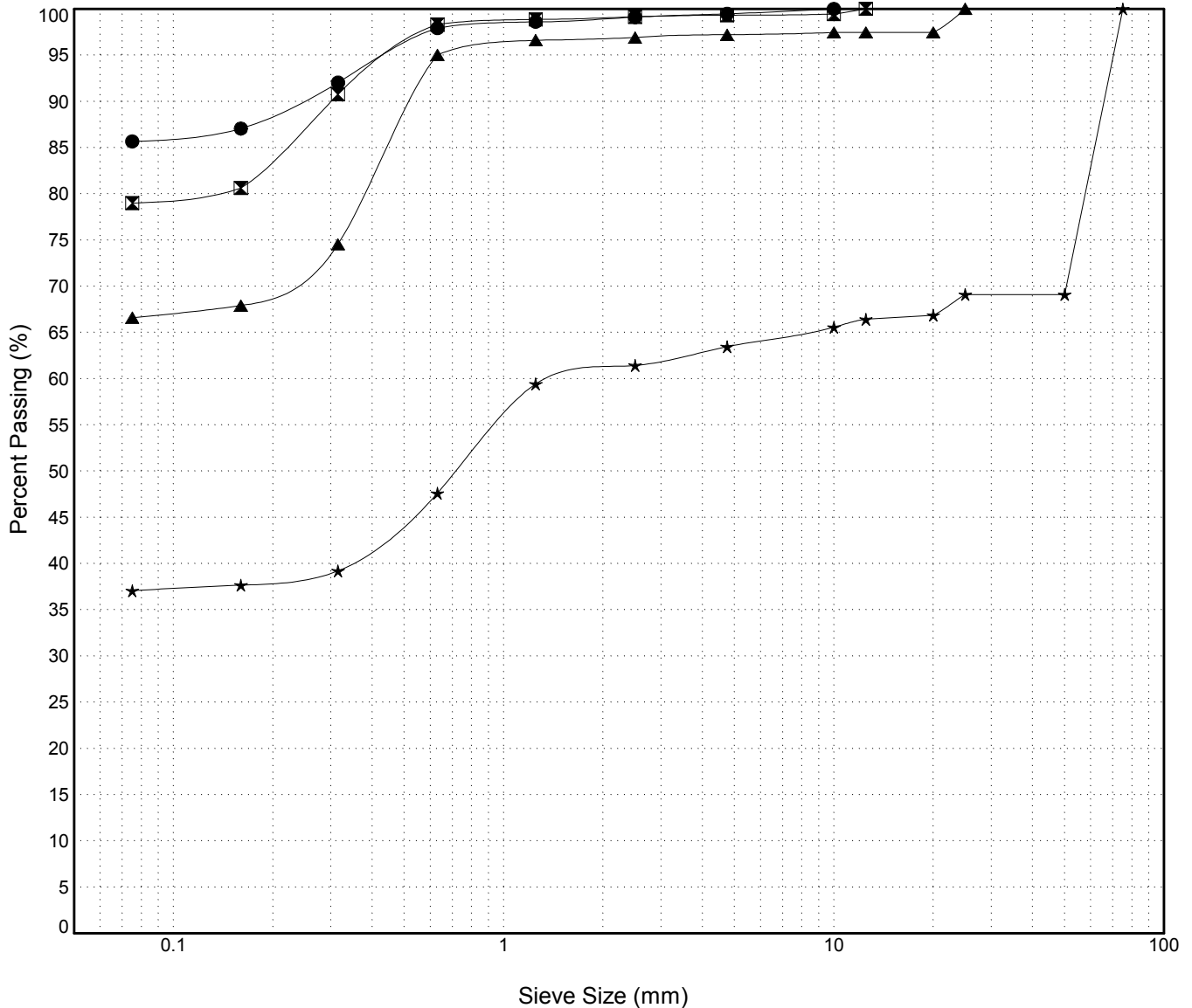
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4897
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737719m E487662m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	536	1.5 to 1.8	SILT(ML)	24.7	NP	NP	NP		
☒ 2	537	2.3 to 2.6	SILT with SAND(ML)	11.3	NP	NP	NP		
▲ 3	538	3.5 to 3.8	SANDY SILT(ML)	12.0	NP	NP	NP		
★ 4	539	4.7 to 5.0	SILTY GRAVEL with SAND(GM)	68.5	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 1	536	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.1	98.6	97.9	92.0	87.1	85.7	0.5	13.8	85.7	
☒ 2	537	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.3	99.1	98.9	98.3	90.8	80.6	79.0	0.7	20.3	79.0	
▲ 3	538	100.0	100.0	100.0	97.5	97.5	97.5	97.2	96.9	96.6	95.0	74.5	67.9	66.6		2.8	30.6	66.6	
★ 4	539	100.0	100.0	69.1	69.1	66.9	66.4	65.6	63.5	61.4	59.4	47.6	39.2	37.7	37.1	36.5	26.4	37.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



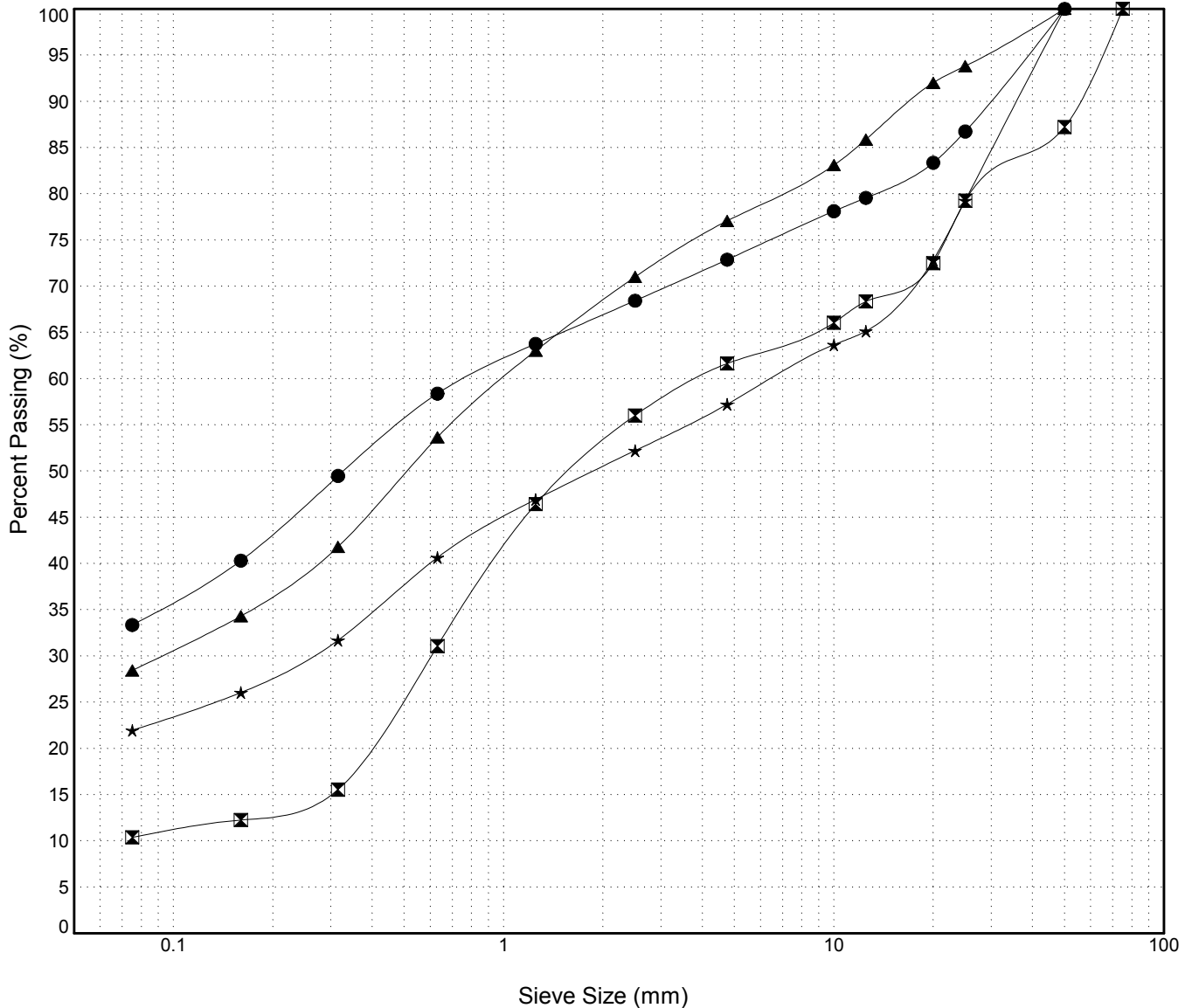
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4898
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737596m E487655m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	540	1.3 to 1.6	SILTY SAND with GRAVEL(SM)	6.8	NP	NP	NP		
☒ 2	541	2.3 to 2.6	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	3.0	NP	NP	NP	1.4	61.3
▲ 3	542	3.3 to 3.6	SILTY SAND with GRAVEL(SM)	6.8	NP	NP	NP		
★ 4	543	4.6 to 4.9	SILTY GRAVEL with SAND(GM)	5.5	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt Clay
● 1	540	100.0	100.0	100.0	100.0	86.7	83.4	79.6	78.1	72.9	68.4	63.8	58.4	49.5	40.3	33.4	27.1	39.5	33.4
☒ 2	541	100.0	100.0	87.2	79.3	72.5	68.3	66.1	61.6	56.0	46.4	31.1	15.5	12.3	10.4	38.4	51.3	10.4	
▲ 3	542	100.0	100.0	100.0	93.8	92.0	85.9	83.1	77.1	71.0	63.0	53.7	41.8	34.3	28.4	22.9	48.6	28.4	
★ 4	543	100.0	100.0	100.0	79.3	72.8	65.1	63.7	57.2	52.2	46.9	40.6	31.7	26.0	22.0	42.8	35.3	22.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



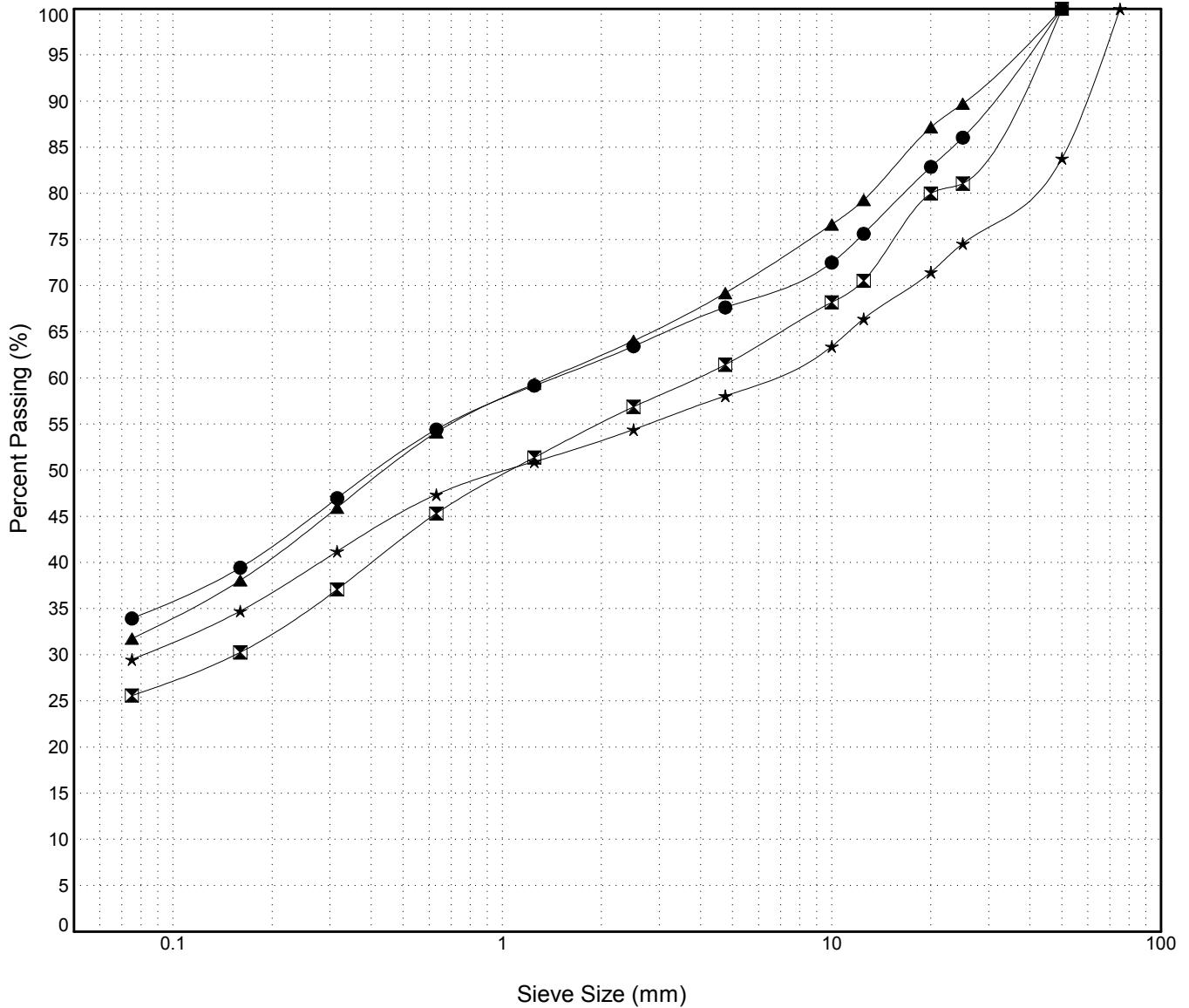
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4899
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737480m E487691m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	544	1.3 to 1.6	SILTY SAND with GRAVEL(SM)	6.0	NP	NP	NP		
☒ 2	545	2.1 to 2.4	SILTY GRAVEL with SAND(GM)	7.9	NP	NP	NP		
▲ 3	546	3.3 to 3.6	SILTY SAND with GRAVEL(SM)	6.0	NP	NP	NP		
★ 4	547	4.5 to 4.8	SILTY GRAVEL with SAND(GM)	6.0	NP	NP	NP		

Field #	Lab #	%PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 1	544	100.0	100.0	100.0	100.0	86.1	82.9	75.6	72.5	67.6	63.4	59.2	54.4	47.0	39.4	33.9	32.4	33.7	33.9
☒ 2	545	100.0	100.0	100.0	81.1	80.0	70.5	68.2	61.4	56.9	51.4	45.3	37.1	30.3	25.6		38.6	35.9	25.6
▲ 3	546	100.0	100.0	100.0	89.7	87.2	79.3	76.6	69.2	64.0	59.4	54.1	46.0	38.1	31.8		30.8	37.4	31.8
★ 4	547	100.0	100.0	83.8	74.6	71.5	66.4	63.4	58.1	54.4	50.9	47.4	41.2	34.7	29.5		41.9	28.6	29.5

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



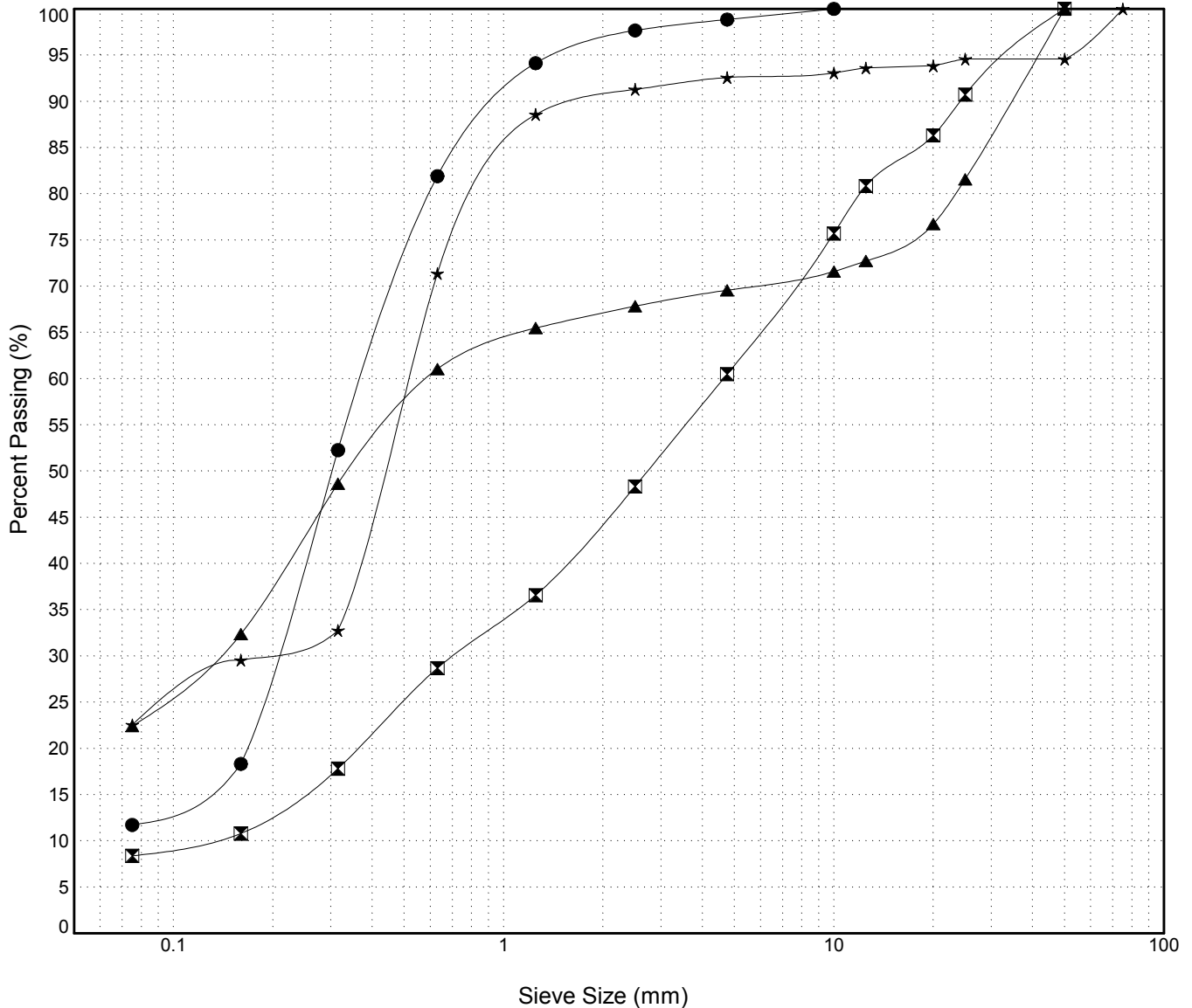
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4900
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737500m E487637m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	548	1.8 to 2.1	WELL-GRADED SAND with SILT(SW-SM)	4.7	NP	NP	NP	1.8	6.1
☒ 2	549	2.5 to 2.8	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	3.5	NP	NP	NP	0.9	37.1
▲ 3	550	4.1 to 4.4	SILTY SAND with GRAVEL(SM)	6.2	NP	NP	NP		
★ 4	551	5.0 to 5.3	SILTY SAND(SM)	6.6	NP	NP	NP		

Field #	Lab #	%PASSING														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 1	548	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	97.7	94.1	81.9	52.3	18.3	11.7	1.2	87.1	11.7	
☒ 2	549	100.0	100.0	100.0	90.7	86.3	80.8	75.7	60.5	48.3	36.6	28.7	17.8	10.8	8.4	39.5	52.1	8.4	
▲ 3	550	100.0	100.0	100.0	81.6	76.7	72.7	71.6	69.6	67.8	65.5	61.0	48.6	32.4	22.4	30.4	47.2	22.4	
★ 4	551	100.0	100.0	94.6	94.6	93.8	93.6	93.1	92.6	91.3	88.6	71.4	32.8	29.6	22.6	7.4	70.0	22.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



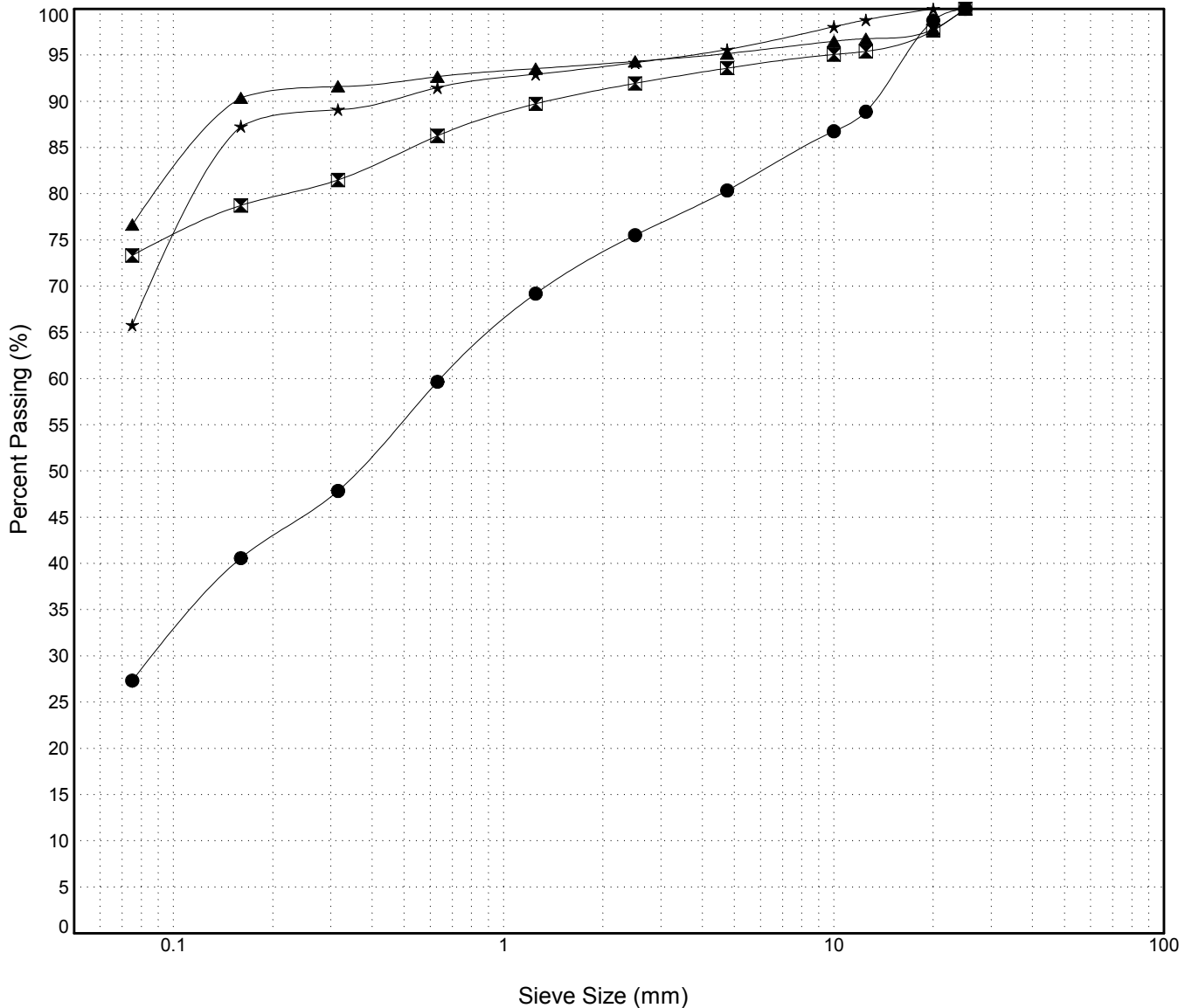
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4901
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737777m E487609m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	552	1.5 to 1.8	SILTY SAND with GRAVEL(SM)	6.4	NP	NP	NP		
☒ 2	553	2.4 to 2.7	SILT with SAND(ML)	19.4	NP	NP	NP		
▲ 3	554	4.8 to 5.1	SILT with SAND(ML)	13.8	NP	NP	NP		
★ 4	555	5.3 to 5.6	SANDY SILT(ML)	12.9	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 1	552	100.0	100.0	100.0	100.0	98.7	88.9	86.8	80.4	75.5	69.2	59.7	47.9	40.6	27.3	19.6	53.0	27.3	
☒ 2	553	100.0	100.0	100.0	100.0	97.7	95.4	95.1	93.6	91.9	89.7	86.3	81.5	78.7	73.3	6.4	20.3	73.3	
▲ 3	554	100.0	100.0	100.0	100.0	97.8	96.8	96.5	95.2	94.3	93.5	92.7	91.6	90.4	76.7	4.8	18.5	76.7	
★ 4	555	100.0	100.0	100.0	100.0	100.0	98.8	98.1	95.6	94.2	92.9	91.5	89.1	87.3	65.8	4.4	29.8	65.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



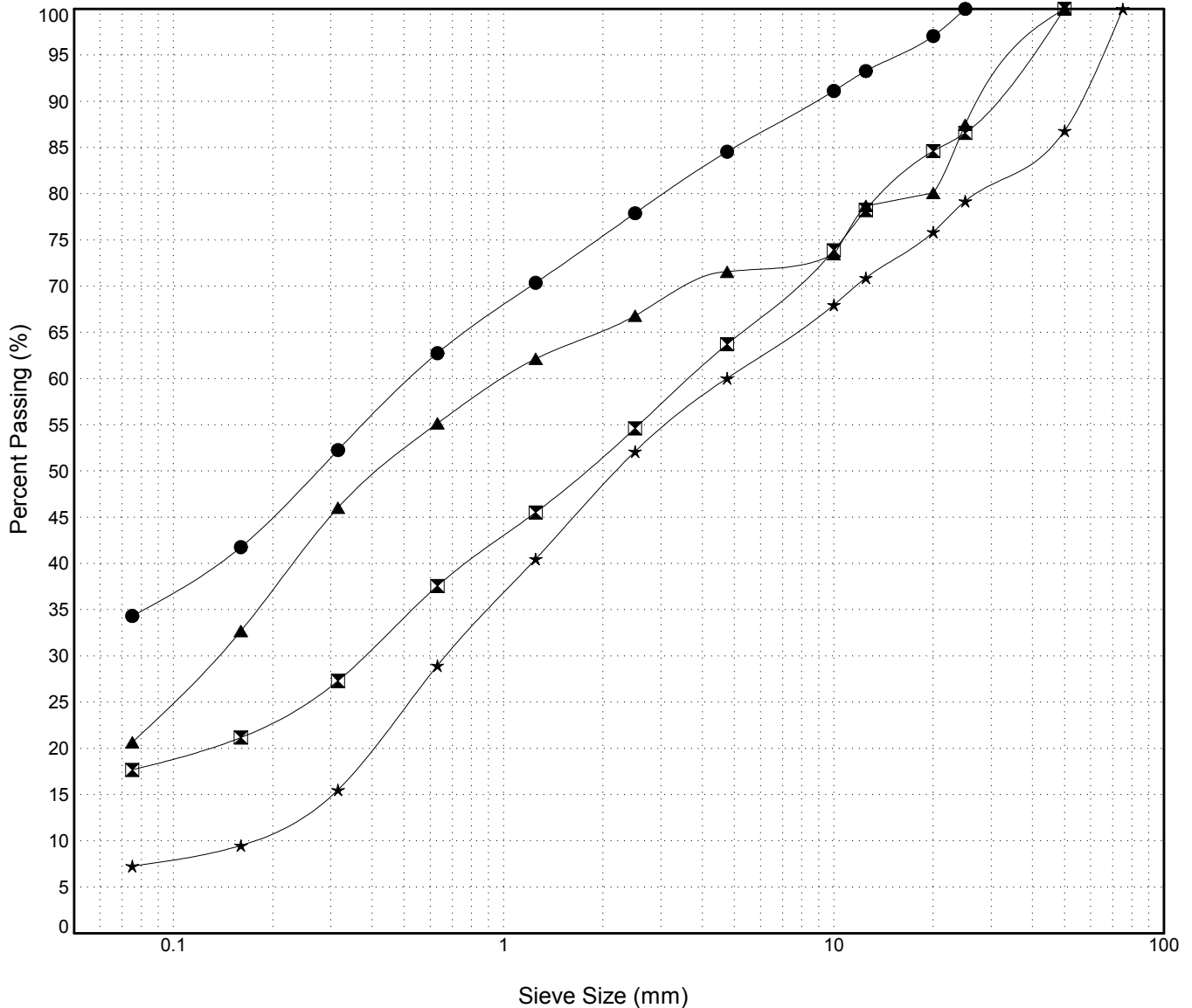
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4902
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737681m E487595m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	556	0.6 to 0.9	SILTY SAND with GRAVEL(SM)	10.1	NP	NP	NP		
☒ 2	557	2.6 to 2.9	SILTY SAND with GRAVEL(SM)	5.2	NP	NP	NP		
▲ 3	558	4.5 to 4.8	SILTY SAND with GRAVEL(SM)	5.8	NP	NP	NP		
★ 4	559	5.2 to 5.5	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	4.3	NP	NP	NP	0.6	27.9

Field #	Lab #	%PASSING	Sieve Size (mm)													% Breakdown		
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand
● 1	556	100.0	100.0	100.0	100.0	97.1	93.3	91.1	84.6	77.9	70.4	62.8	52.3	41.8	34.3	15.4	50.2	34.3
☒ 2	557	100.0	100.0	100.0	86.6	84.6	78.3	73.9	63.7	54.6	45.5	37.6	27.3	21.2	17.7	36.3	46.0	17.7
▲ 3	558	100.0	100.0	100.0	87.5	80.1	78.7	73.5	71.6	66.8	62.1	55.2	46.0	32.7	20.7	28.4	50.9	20.7
★ 4	559	100.0	100.0	86.8	79.2	75.9	70.9	68.0	60.0	52.1	40.5	29.0	15.5	9.5	7.3	40.0	52.8	7.3

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



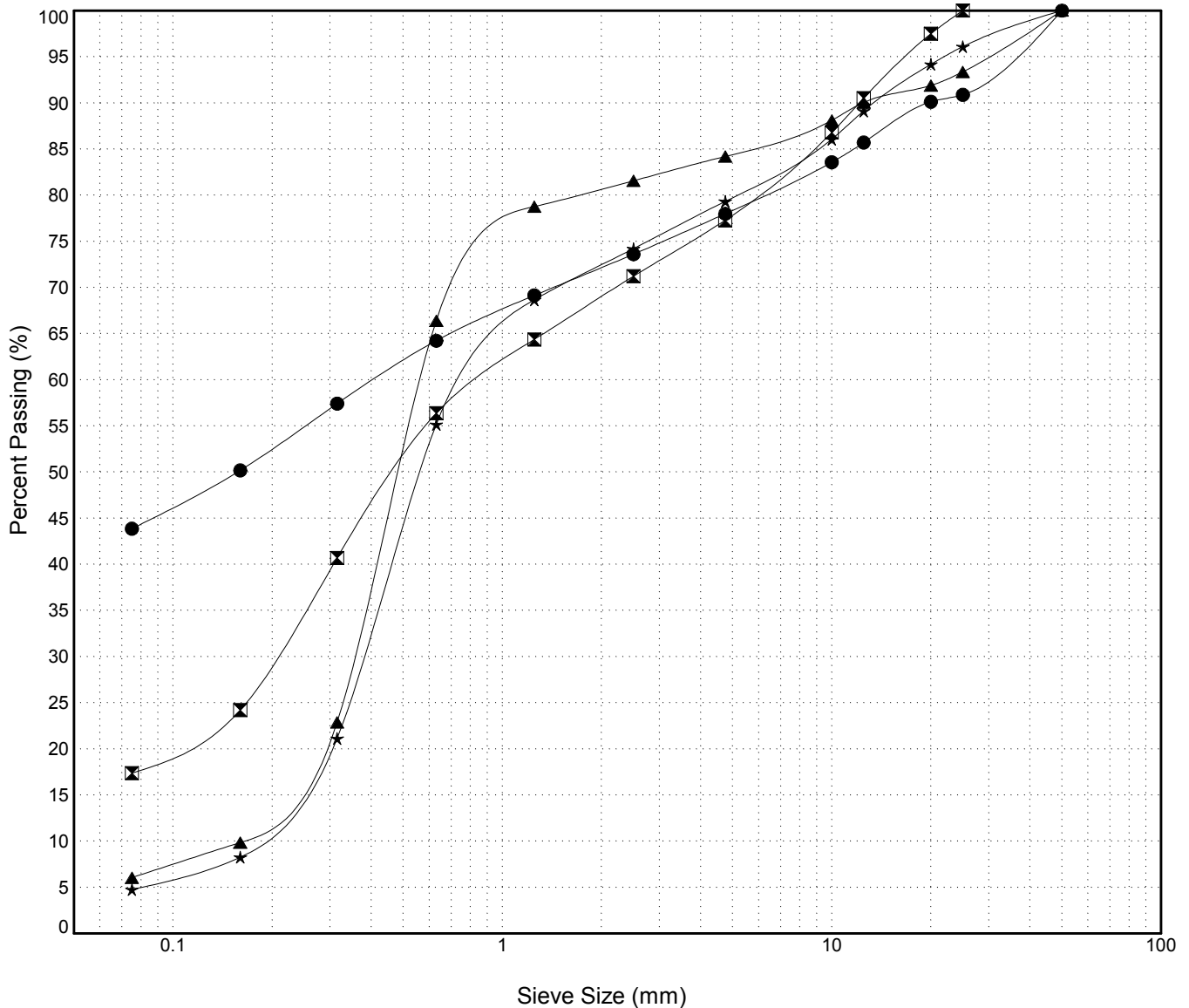
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4903
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737596m E487608m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	560	0.5 to 0.8	SILTY SAND with GRAVEL(SM)	6.2	NP	NP	NP		
☒ 2	561	2.3 to 2.6	SILTY SAND with GRAVEL(SM)	3.7	NP	NP	NP		
▲ 3	562	3.9 to 4.2	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	3.0	NP	NP	NP	1.4	3.5
★ 4	563	5.2 to 5.5	POORLY GRADED SAND with GRAVEL(SP)	2.9	NP	NP	NP	1.0	4.6

Field #	Lab #	% PASSING													% Breakdown				
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 1	560	100.0	100.0	100.0	90.9	90.1	85.7	83.6	78.0	73.6	69.1	64.2	57.4	50.2	43.9	22.0	34.1	43.9	
☒ 2	561	100.0	100.0	100.0	100.0	97.5	90.5	86.8	77.3	71.2	64.4	56.4	40.7	24.2	17.4	22.7	59.9	17.4	
▲ 3	562	100.0	100.0	100.0	93.4	91.9	90.0	88.1	84.2	81.6	78.8	66.4	22.9	9.8	6.0	15.8	78.2	6.0	
★ 4	563	100.0	100.0	100.0	96.1	94.2	89.1	86.1	79.3	74.2	68.7	55.2	21.1	8.3	4.8	20.7	74.6	4.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

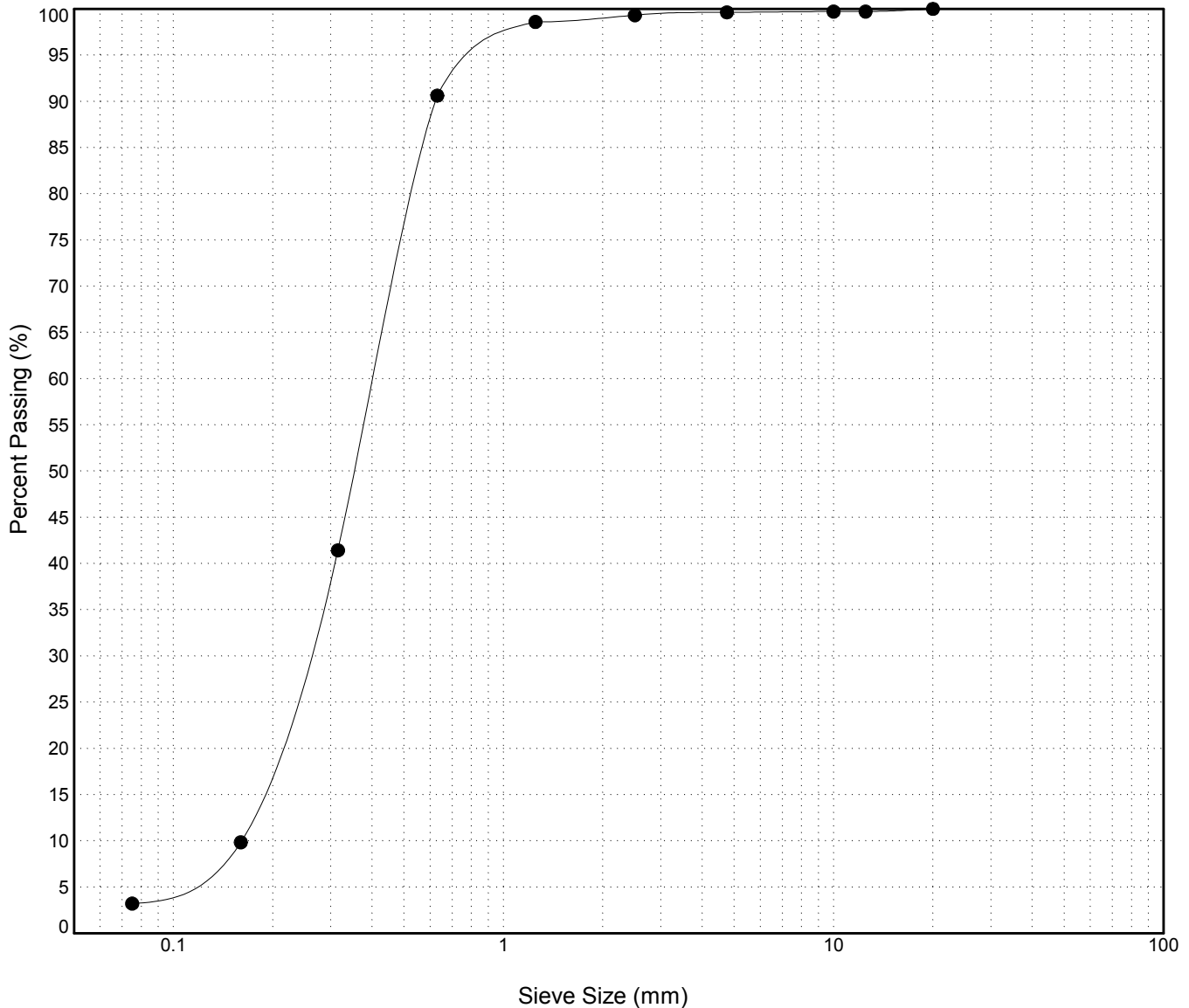


GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4904
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737448m E487613m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu
● 1	564	0.5 to 1.0	POORLY GRADED SAND(SP)													3.5	NP	NP	NP	0.9	2.5
Field #	Lab #	% PASSING													% Breakdown						
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay		
● 1	564	100.0	100.0	100.0	100.0	100.0	99.7	99.7	99.6	99.3	98.6	90.6	41.4	9.8	3.2	0.4	96.4	3.2			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



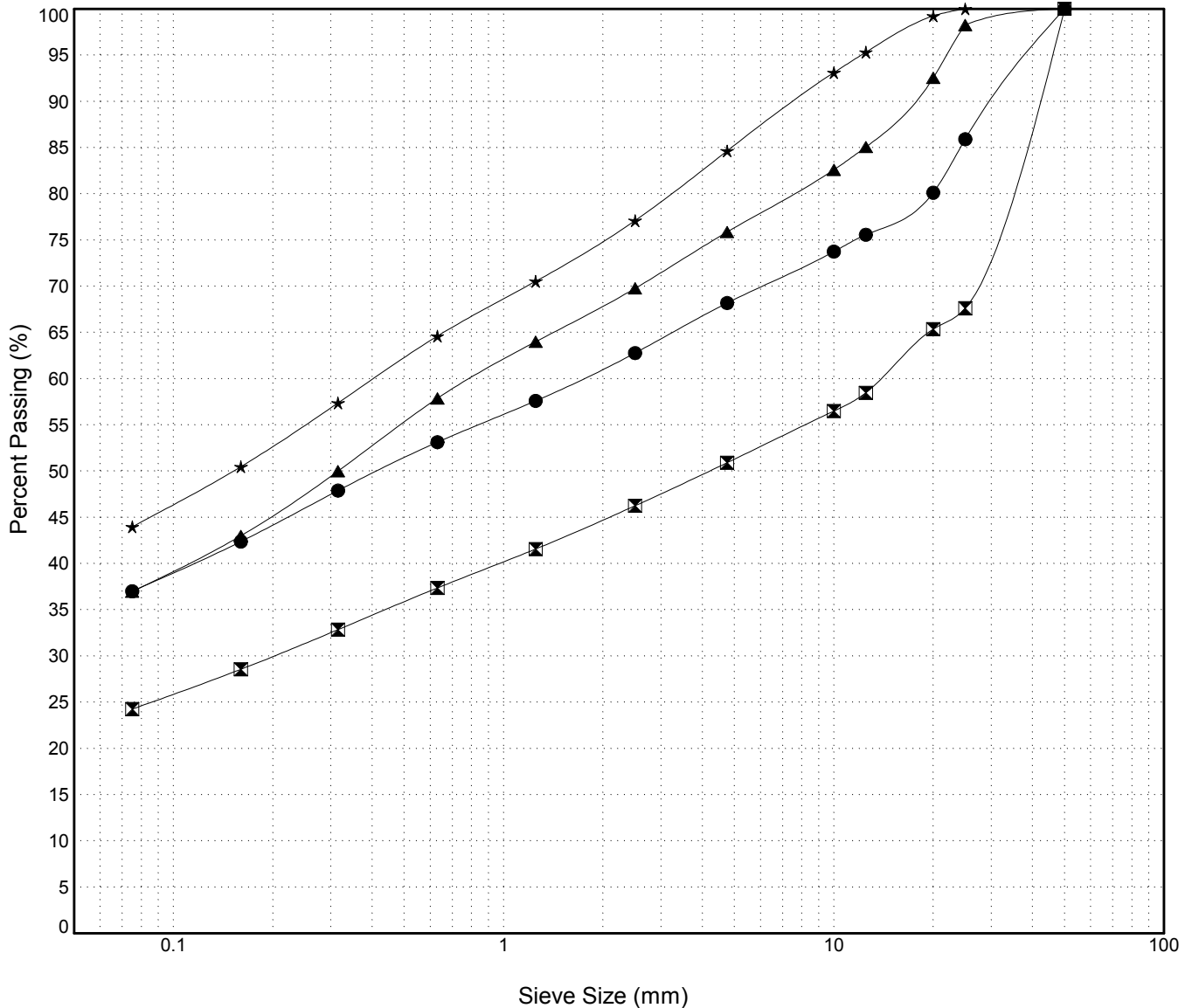
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4905
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6736966m E487800m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	565	1.4 to 1.7	SILTY GRAVEL with SAND(GM)	9.9	NP	NP	NP		
☒ 2	566	3.1 to 3.4	SILTY GRAVEL with SAND(GM)	6.6	NP	NP	NP		
▲ 3	567	4.5 to 4.8	SILTY SAND with GRAVEL(SM)	8.9	NP	NP	NP		
★ 4	568	5.1 to 5.4	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP		

Field #	Lab #	%PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 1	565	100.0	100.0	100.0	100.0	85.9	80.1	75.6	73.7	68.2	62.8	57.6	53.1	47.9	42.4	37.0	31.8	31.2	37.0
☒ 2	566	100.0	100.0	100.0	67.6	65.4	58.5	56.5	50.9	46.2	41.6	37.4	32.8	28.6	24.2	24.2	49.1	26.7	24.2
▲ 3	567	100.0	100.0	100.0	98.3	92.5	85.1	82.6	75.9	69.8	64.0	57.9	50.0	43.0	37.0	37.0	24.1	38.9	37.0
★ 4	568	100.0	100.0	100.0	99.2	95.3	93.1	84.6	77.1	70.5	64.6	57.4	50.5	44.0	44.0	15.4	40.7	44.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



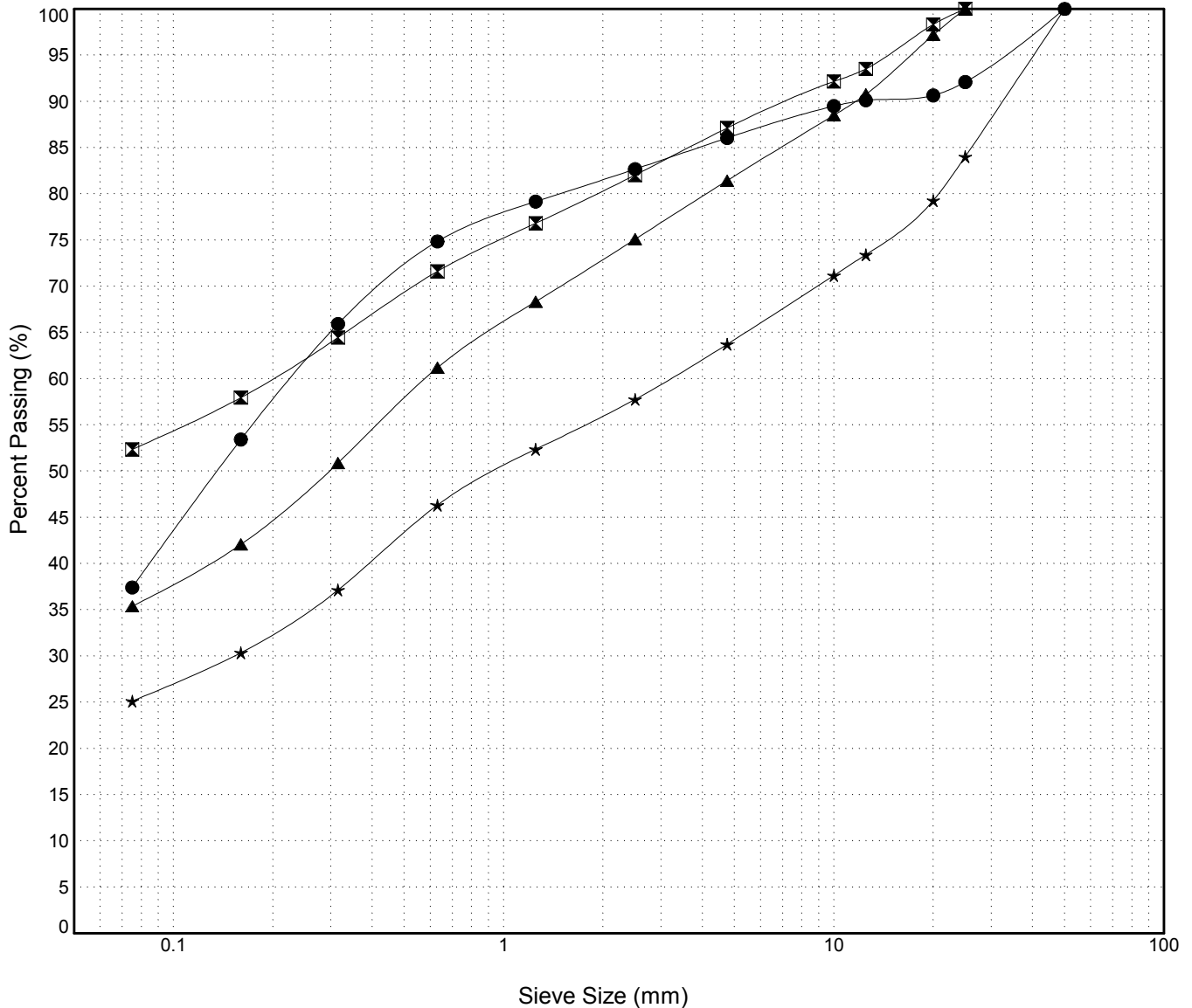
GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4906
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6736881m E487816m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 1	569	1.4 to 1.7	SILTY SAND(SM)	14.2	NP	NP	NP		
☒ 2	570	2.3 to 2.6	SANDY SILT(ML)	9.0	NP	NP	NP		
▲ 3	571	3.9 to 4.2	SILTY SAND with GRAVEL(SM)	8.1	NP	NP	NP		
★ 4	572	4.7 to 5.0	SILTY SAND with GRAVEL(SM)	6.7	NP	NP	NP		

Field #	Lab #	%PASSING	Sieve Size (mm)													% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 1	569	100.0	100.0	100.0	100.0	92.1	90.6	90.1	89.5	86.0	82.7	79.2	74.8	65.9	53.4	37.4	14.0	48.6	37.4	
☒ 2	570	100.0	100.0	100.0	100.0	98.3	93.5	92.1	87.1	82.0	76.8	71.6	64.4	57.9	52.3	12.9	34.8	52.3		
▲ 3	571	100.0	100.0	100.0	100.0	97.2	90.8	88.5	81.4	75.1	68.3	61.2	50.9	42.1	35.4	18.6	46.0	35.4		
★ 4	572	100.0	100.0	100.0	84.0	79.3	73.4	71.2	63.7	57.8	52.4	46.3	37.1	30.4	25.1	36.3	38.6	25.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

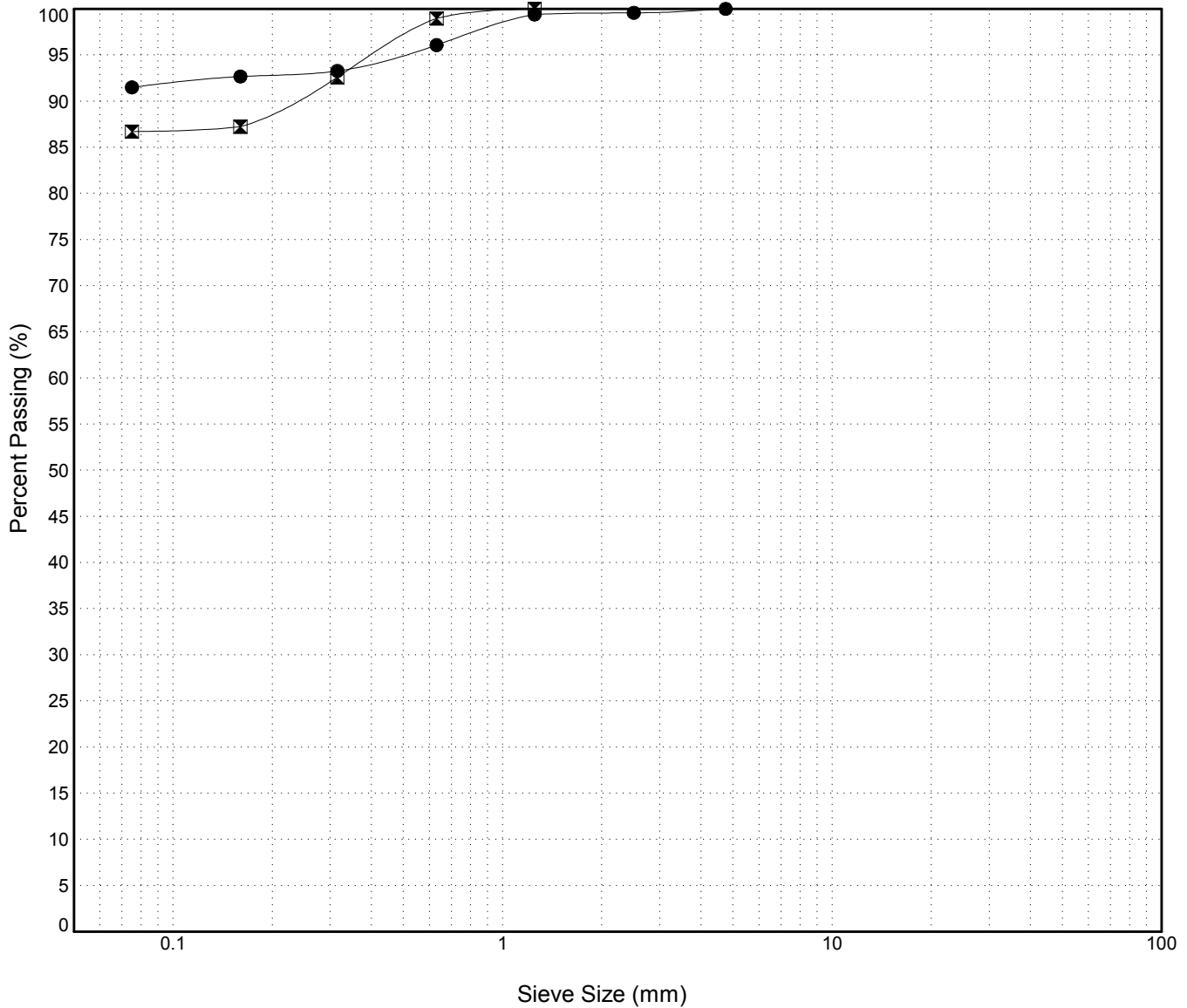


GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4907
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6739745m E487228m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 1	573	1.2 to 1.8	SILT(ML)	18.4	NP	NP	NP													
☒ 2	574	2.2 to 2.8	SILT(ML)	17.2	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 1	573	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.4	96.1	93.3	92.7	91.5	Gravel	Sand	Silt	Clay	
☒ 2	574	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	92.6	87.2	86.7	0.0	8.5	91.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

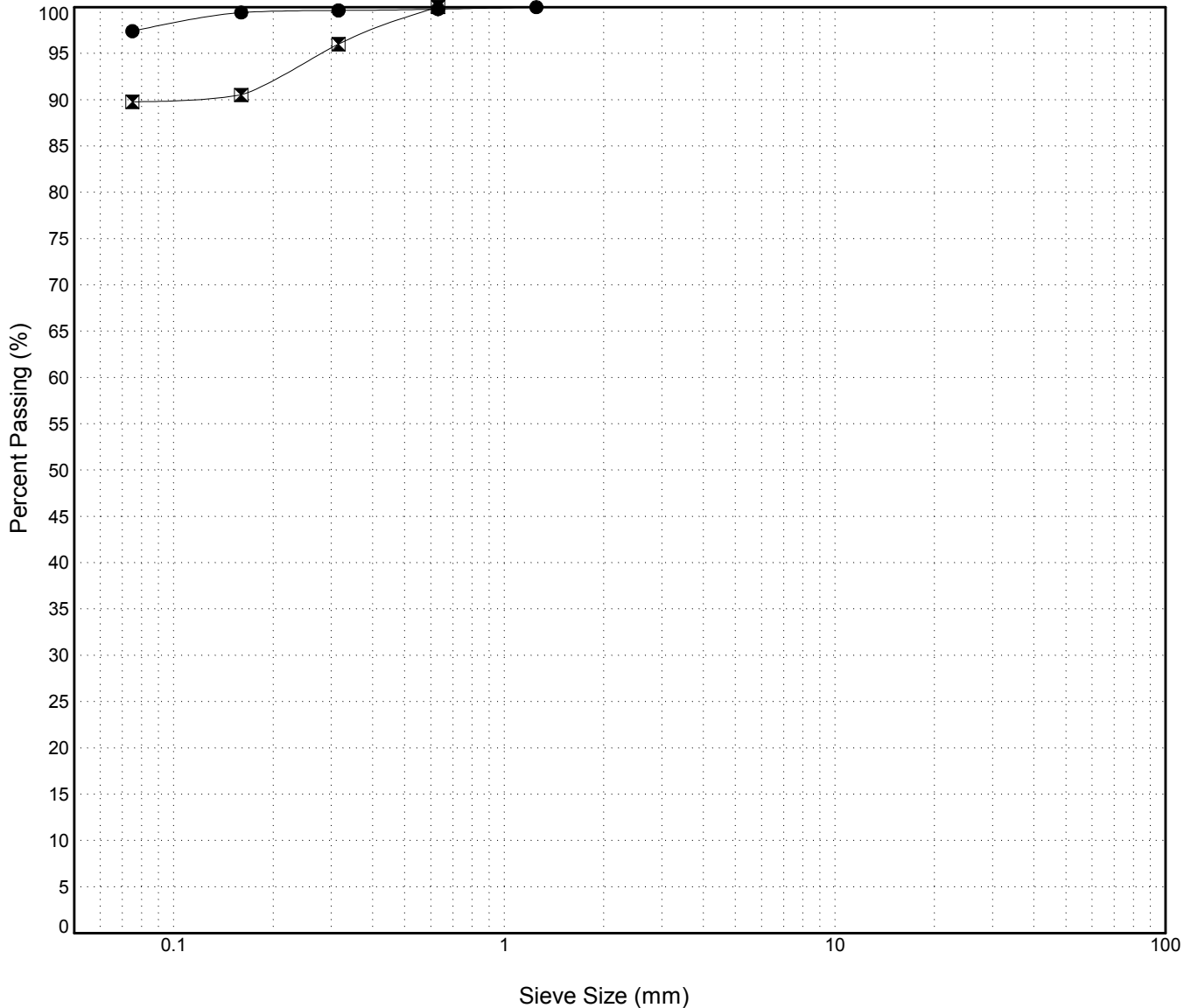


GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4908
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6739543m E487217m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 1	575	1.0 to 1.4	SILT(ML)	22.8	NP	NP	NP													
☒ 2	576	2.0 to 2.4	SILT(ML)	14.6	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 1	575	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.7	99.4	97.4	Gravel	Sand	Silt	Clay	
☒ 2	576	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	90.5	89.8	0.0	2.6	97.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

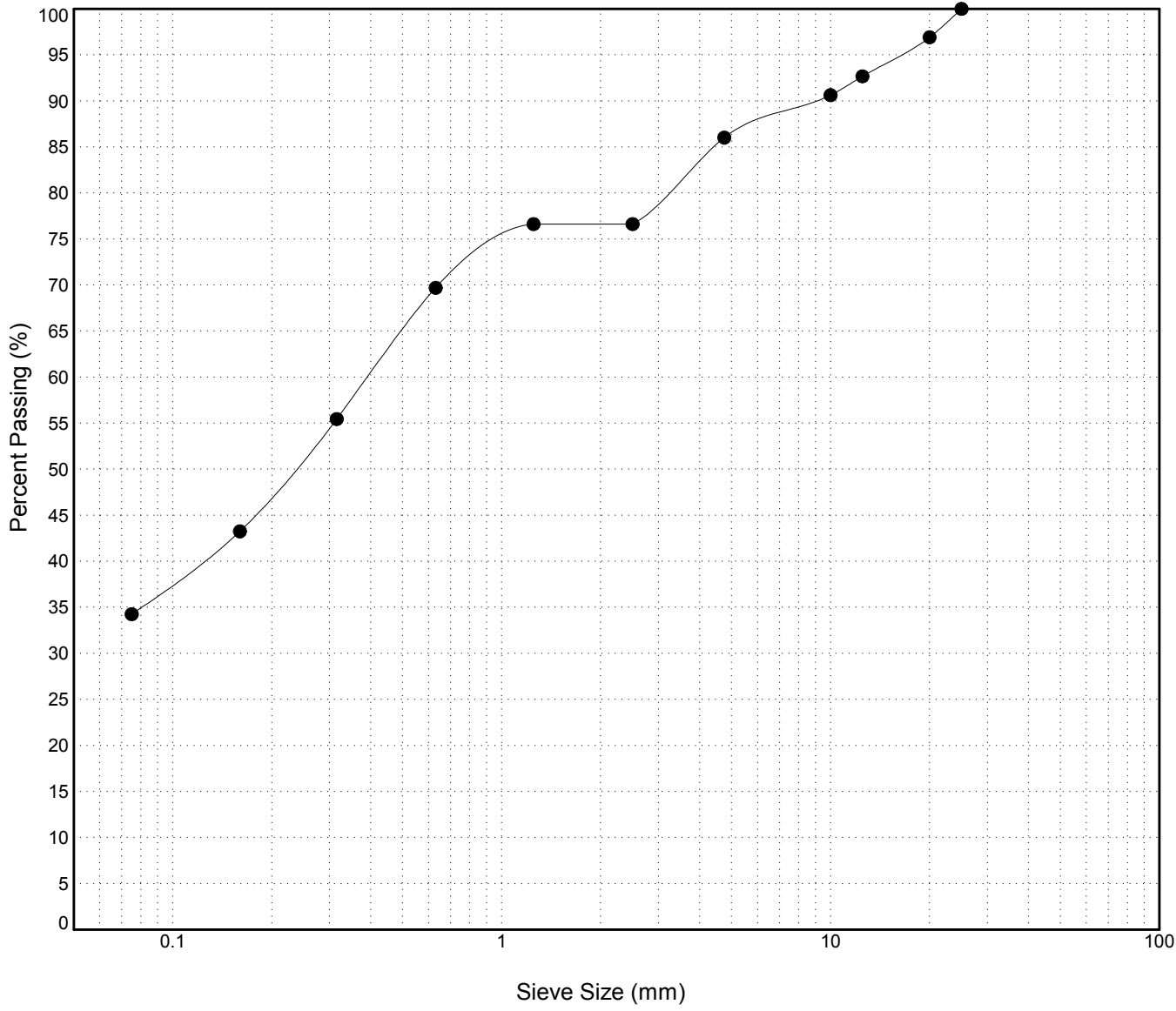


GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4909
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737565m E487562m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu
● 1	577	1.1 to 1.5	SILTY SAND(SM)											7.2	NP	NP	NP		
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
● 1	577	100.0	100.0	100.0	100.0	96.9	92.7	90.6	86.0	76.6	76.6	69.7	55.5	43.3	34.3	14.0	51.8	34.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Right of Way Excavation	SOURCE/TP#: 852-4910
Castlerock Ent.	km 88-97	PROJECT NO: 552-202104-0235-0661-3
Linkbelt 330LX	Coordinates:Z09V N6737731m E487558m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 1	578	1.0 to 1.5	WELL-GRADED SAND with GRAVEL(SW)	48.9	NP	NP	NP	1.6	12.0										
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
● 1	578	100.0	100.0	100.0	97.6	95.1	89.0	82.4	57.0	35.8	21.3	13.3	7.2	4.1	3.2	Gravel	Sand	Silt	Clay
																43.0	53.8	3.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

