

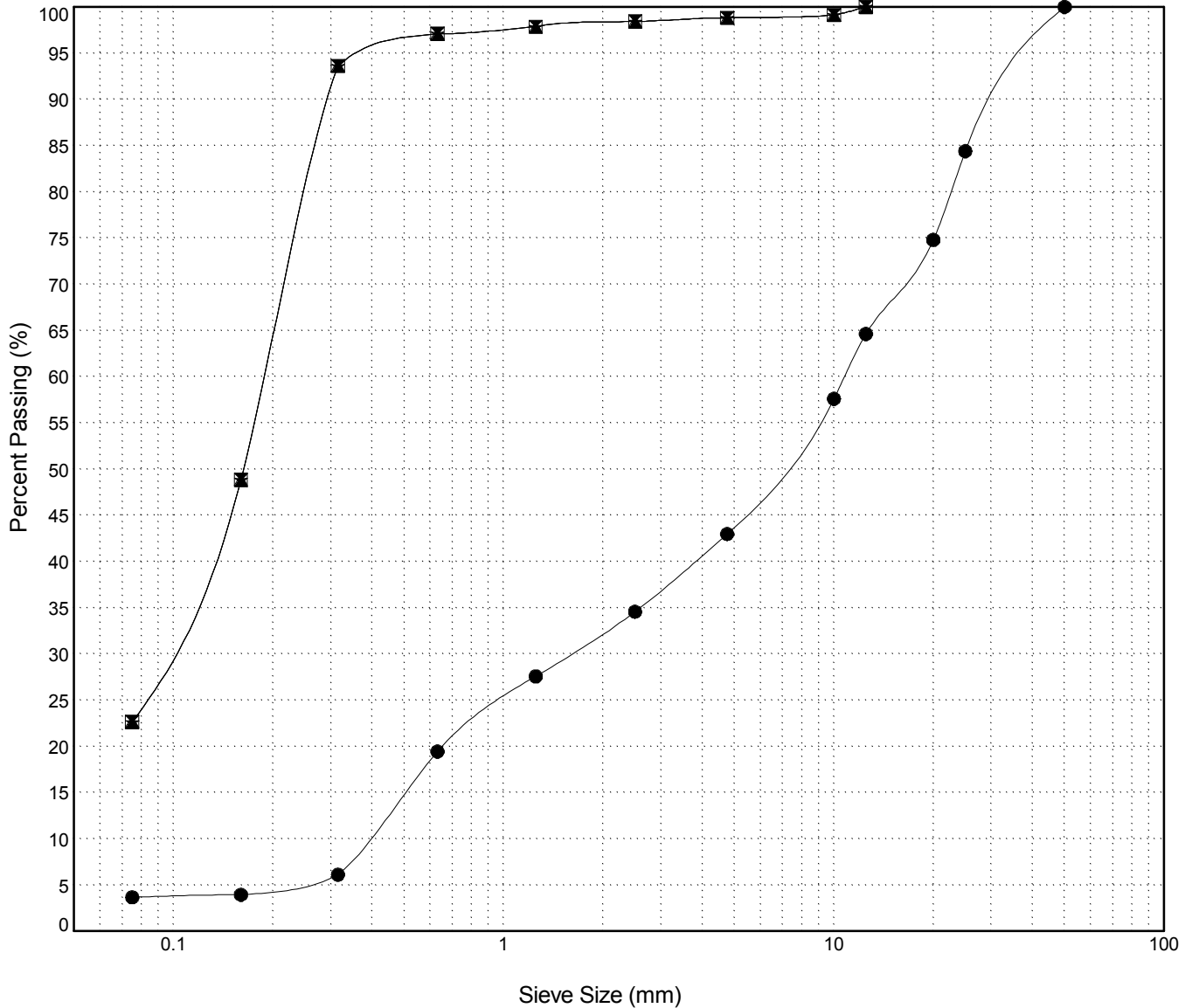
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4950
Darkside Drilling	km 1404.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718173.7m E506809.2m	ELEVATION: 909.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 001	716	0.0 to 1.5	POORLY GRADED GRAVEL with SAND(GP)	0.7	NP	NP	NP	0.6	28.0
☒ 002	717	3.0 to 4.0	SILTY SAND(SM)	4.6	NP	NP	NP		
▲ 003	718	6.0 to 7.0	SILTY SAND(SM)	0.9	NP	NP	NP		
★ 004	719	11.0 to 12.0	SILTY SAND(SM)	16.5	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
● 001	716	100.0	100.0	100.0	84.4	74.8	64.6	57.6	43.0	34.6	27.6	19.4	6.1	4.0	3.7	57.0	39.3	3.7	
☒ 002	717	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	
▲ 003	718	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	
★ 004	719	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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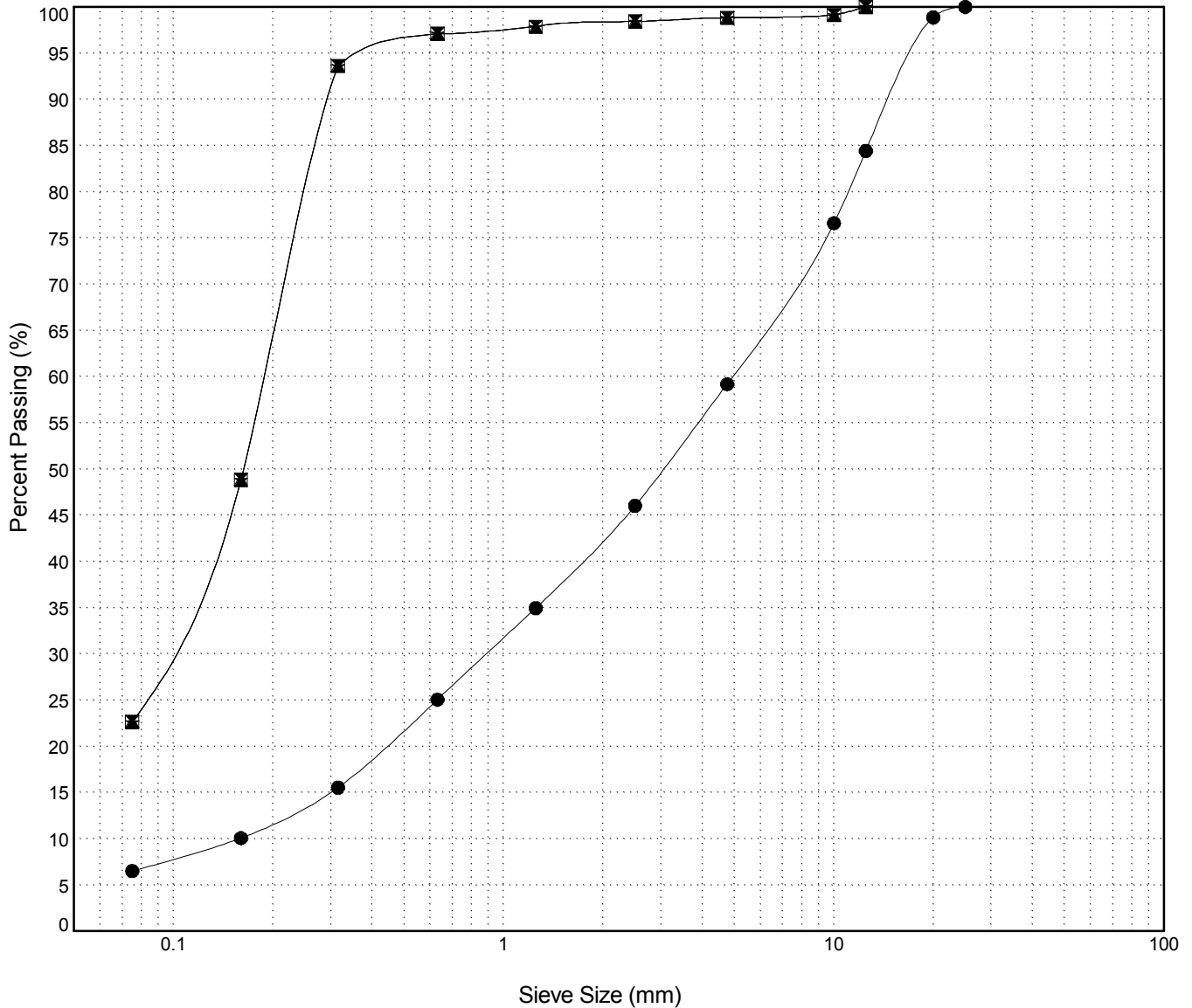
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4951
Darkside Drilling	km 1404.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718195.7m E506596.4m	ELEVATION: 909m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 005	720	1.0 to 2.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	0.9	NP	NP	NP	1.0	31.3
☒ 006	721	2.5 to 3.0	SILTY SAND(SM)	4.6	NP	NP	NP		
▲ 007	722	7.0 to 8.0	SILTY SAND(SM)	7.9	NP	NP	NP		
★ 008	723	12.5 to 13.0	SILTY SAND(SM)	6.5	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
● 005	720	100.0	100.0	100.0	100.0	98.9	84.4	76.6	59.2	46.0	35.0	25.1	15.5	10.1	6.5	40.8	52.7	6.5	
☒ 006	721	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	
▲ 007	722	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	
★ 008	723	100.0	100.0	100.0	100.0	100.0	100.0	99.1	98.8	98.4	97.9	97.1	93.6	48.8	22.6	1.2	76.2	22.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



**Highways and Public Works
Transportation Engineering Branch**

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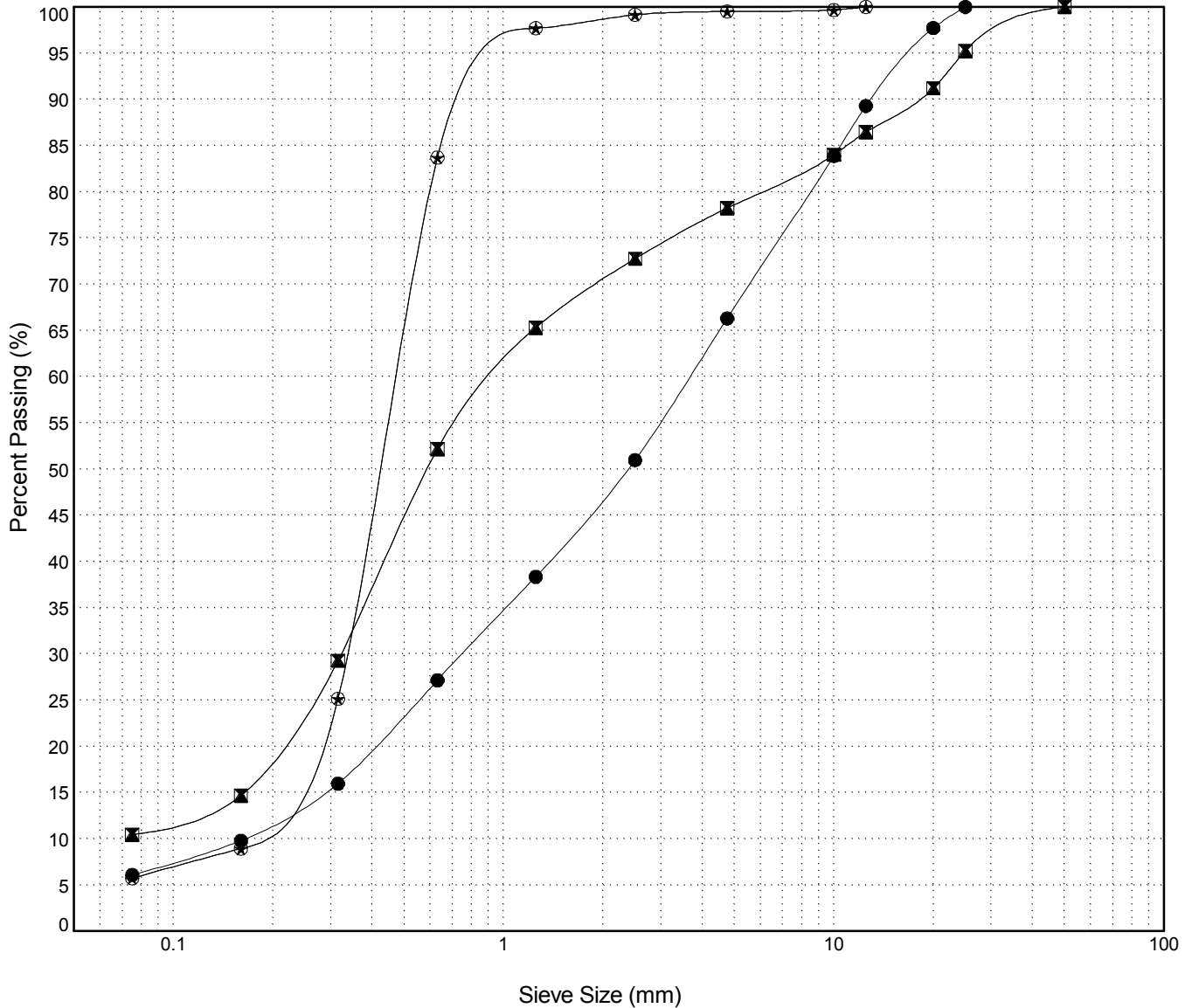
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4952
Darkside Drilling	km 1404.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718206.1m E506430.5m	ELEVATION: 904.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 009	724	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	12.8	NP	NP	NP	0.9	22.3
☒ 010	725	5.0 to 6.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	3.2	NP	NP	NP	1.6	13.7
▲ 011	726	9.0 to 10.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	3.4	NP	NP	NP	1.6	13.7
★ 012	727	13.0 to 14.0	POORLY GRADED SAND with SILT(SP-SM)	2.5	NP	NP	NP	1.4	2.8
⊙ 013	728	18.0 to 19.0	POORLY GRADED SAND with SILT(SP-SM)	5.1	NP	NP	NP	1.4	2.8

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
● 009	724	100.0	100.0	100.0	100.0	97.7	89.3	83.9	66.3	51.0	38.3	27.2	16.0	9.8	6.1	33.7	60.2	6.1	
☒ 010	725	100.0	100.0	100.0	95.2	91.2	86.4	84.0	78.2	72.7	65.3	52.2	29.3	14.7	10.4	21.8	67.8	10.4	
▲ 011	726	100.0	100.0	100.0	95.2	91.2	86.4	84.0	78.2	72.7	65.3	52.2	29.3	14.7	10.4	21.8	67.8	10.4	
★ 012	727	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.5	99.2	97.7	83.7	25.1	8.9	5.7	0.5	93.8	5.7	
⊙ 013	728	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.5	99.2	97.7	83.7	25.1	8.9	5.7	0.5	93.8	5.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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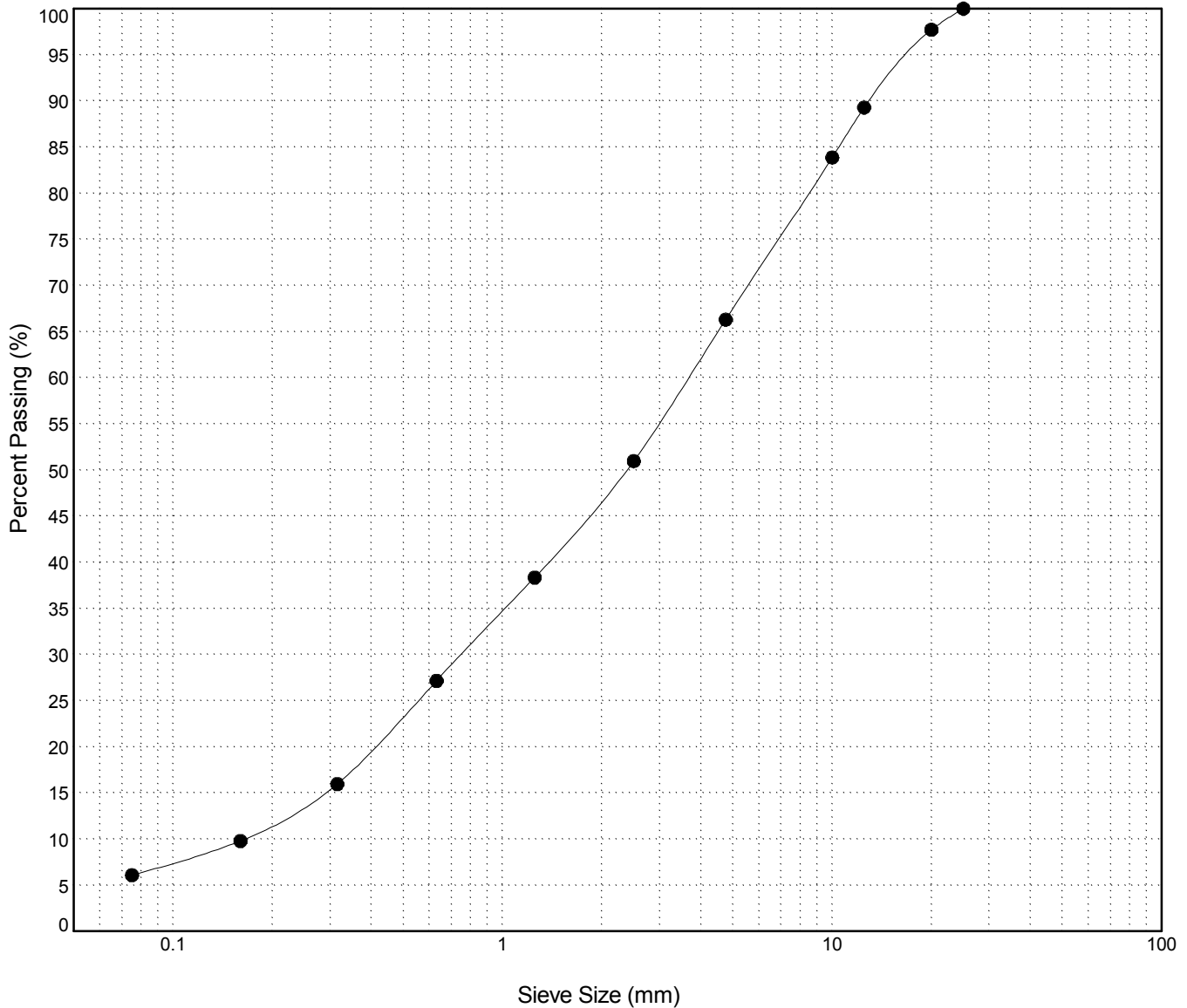
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4953
Darkside Drilling	km 1404.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718216.2m E506209.1m	ELEVATION: 891m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 014	729	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.9	NP	NP	NP	0.9	22.3										
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			
● 014	729	100.0	100.0	100.0	100.0	97.7	89.3	83.9	66.3	51.0	38.3	27.2	16.0	9.8	6.1	Gravel	Sand	Silt	Clay

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



**Highways and Public Works
Transportation Engineering Branch**

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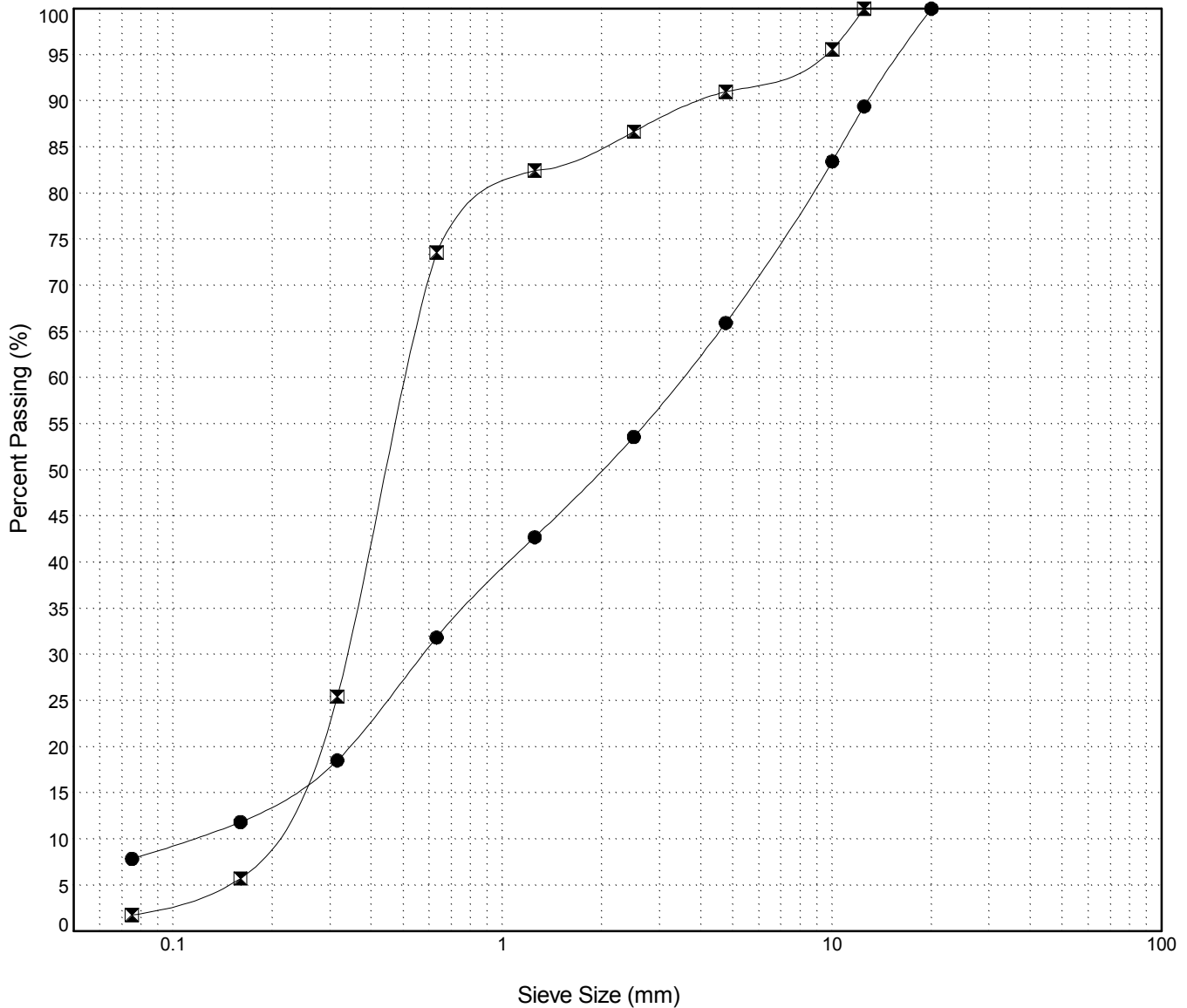
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4954
Darkside Drilling	km 1405	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718233.1m E506069.1m	ELEVATION: 901.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 015	730	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.8	NP	NP	NP	0.8	31.0
☒ 016	731	3.0 to 4.0	POORLY GRADED SAND(SP)	2.2	NP	NP	NP	1.2	2.8

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	
● 015	730	100.0	100.0	100.0	100.0	100.0	89.4	83.4	65.9	53.6	42.7	31.9	18.5	11.9	7.9	34.1	58.1	7.9		
☒ 016	731	100.0	100.0	100.0	100.0	100.0	100.0	95.6	91.0	86.7	82.5	73.6	25.4	5.7	1.8	9.0	89.2	1.8		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



**Highways and Public Works
Transportation Engineering Branch**

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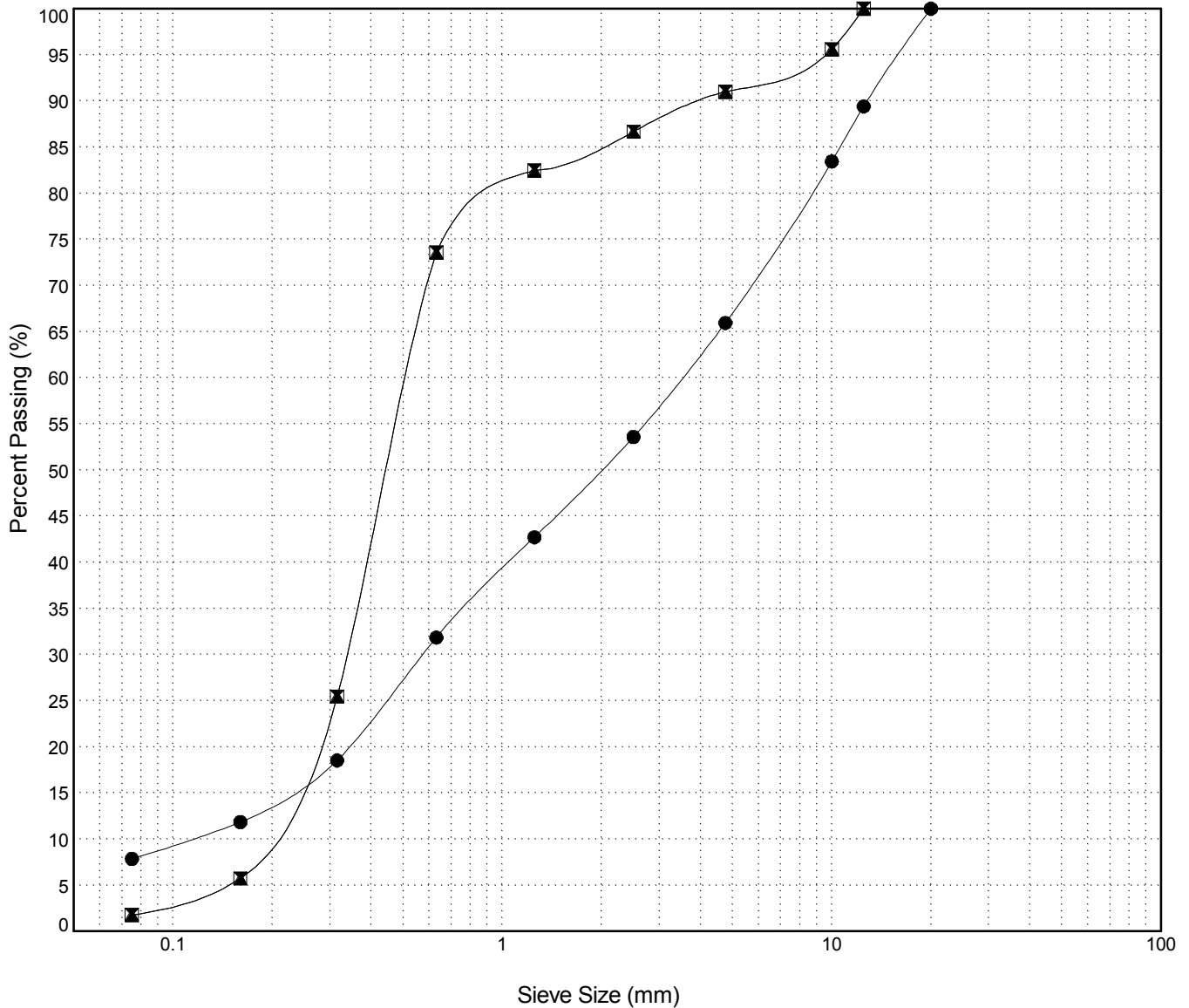
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4955
Darkside Drilling	km 1405.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718248.6m E505917m	ELEVATION: 900.2m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 017	732	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.1	NP	NP	NP	0.8	31.0
☒ 018	733	7.5 to 8.0	POORLY GRADED SAND(SP)	0.5	NP	NP	NP	1.2	2.8
▲ 019	734	13.0 to 14.0	POORLY GRADED SAND(SP)	2.5	NP	NP	NP	1.2	2.8

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
● 017	732	100.0	100.0	100.0	100.0	100.0	89.4	83.4	65.9	53.6	42.7	31.9	18.5	11.9	7.9	34.1	58.1	7.9	
☒ 018	733	100.0	100.0	100.0	100.0	100.0	100.0	95.6	91.0	86.7	82.5	73.6	25.4	5.7	1.8	9.0	89.2	1.8	
▲ 019	734	100.0	100.0	100.0	100.0	100.0	100.0	95.6	91.0	86.7	82.5	73.6	25.4	5.7	1.8	9.0	89.2	1.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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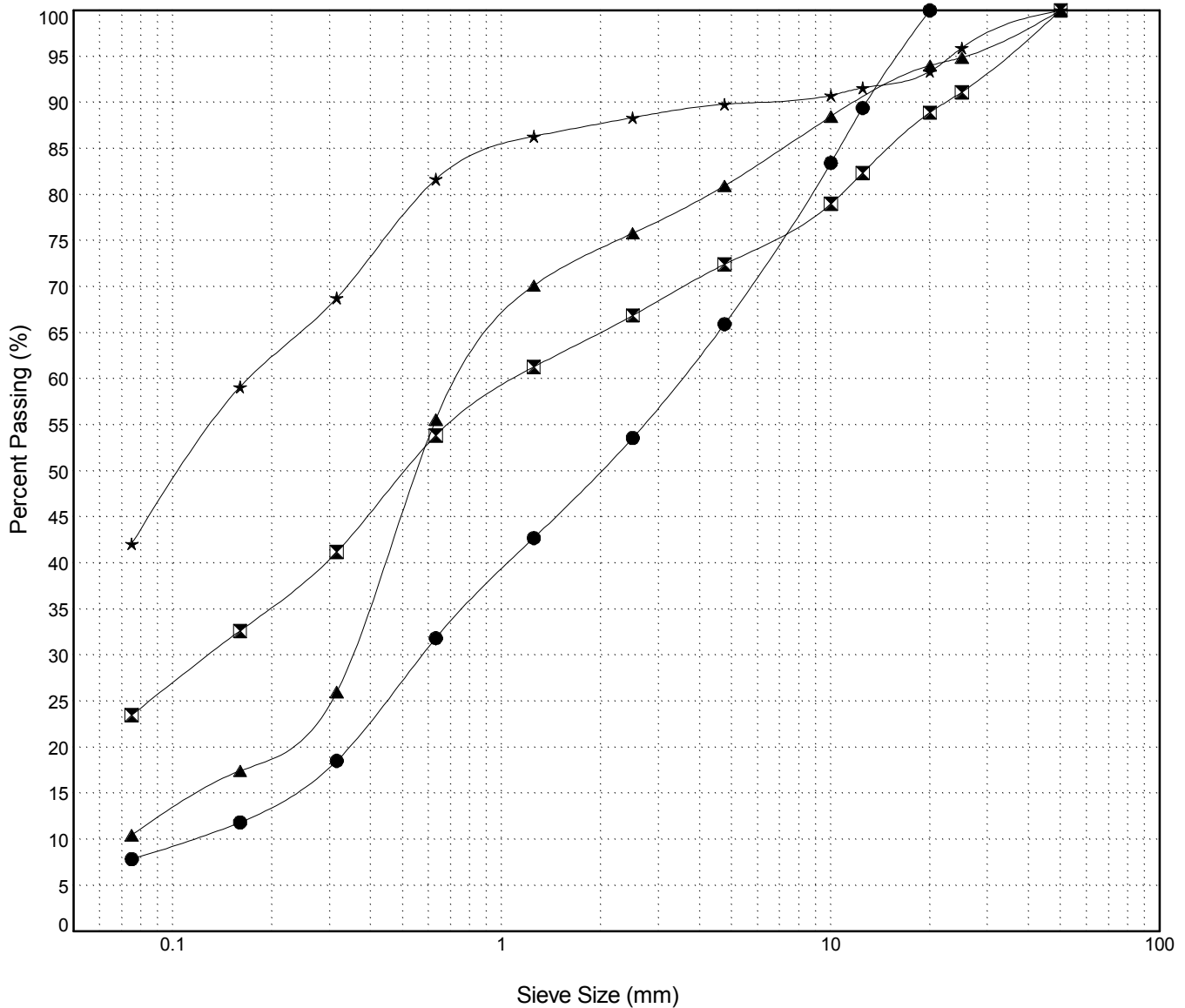
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4956
Darkside Drilling	km 1405.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718283.1m E505728m	ELEVATION: 889.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 020	735	0.0 to 1.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.8	NP	NP	NP	0.8	31.0
☒ 021	736	3.0 to 3.5	SILTY SAND with GRAVEL(SM)	6.4	NP	NP	NP		
▲ 022	737	7.0 to 7.5	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	5.2	NP	NP	NP	2.2	10.9
★ 024	739	12.0 to 12.5	SILTY SAND(SM)	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
● 020	735	100.0	100.0	100.0	100.0	100.0	89.4	83.4	65.9	53.6	42.7	31.9	18.5	11.9	7.9	34.1	58.1	7.9	
☒ 021	736	100.0	100.0	100.0	91.1	88.9	82.4	79.0	72.4	66.9	61.3	53.9	41.2	32.6	23.5	27.6	48.9	23.5	
▲ 022	737	100.0	100.0	100.0	94.9	94.0	90.3	88.5	80.9	75.8	70.1	55.6	26.0	17.4	10.5	19.1	70.5	10.5	
★ 024	739	100.0	100.0	100.0	95.9	93.4	91.6	90.8	89.8	88.4	86.3	81.7	68.8	59.1	42.1	10.2	47.7	42.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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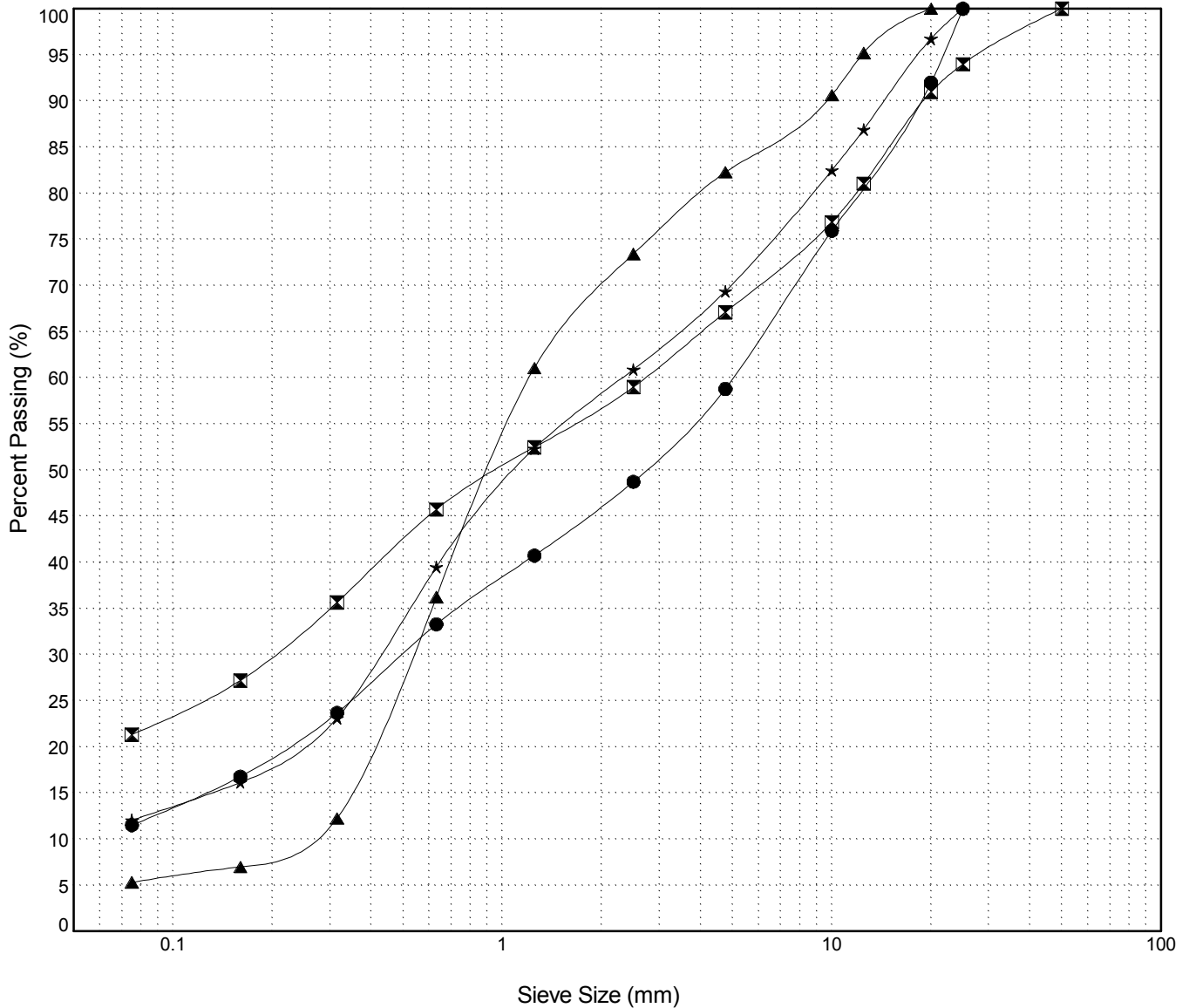
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4957
Darkside Drilling	km 1405.65	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718328m E505453.8m	ELEVATION: 877.9m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 026	741	2.5 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	3.3	NP	NP	NP	0.8	83.1
☒ 028	743	13.0 to 14.0	SILTY SAND with GRAVEL(SM)	5.7	NP	NP	NP		
▲ 030	745	23.0 to 24.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	2.0	NP	NP	NP	1.0	5.2
★ 031	746	28.0 to 29.0	SILTY SAND with GRAVEL(SM)	1.7	NP	NP	NP	1.5	45.4

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
● 026	741	100.0	100.0	100.0	100.0	92.0	81.1	75.9	58.8	48.7	40.7	33.3	23.7	16.8	11.5	41.2	47.3	11.5	
☒ 028	743	100.0	100.0	100.0	94.0	91.0	81.0	76.9	67.1	59.0	52.5	45.7	35.7	27.2	21.3	32.9	45.8	21.3	
▲ 030	745	100.0	100.0	100.0	100.0	100.0	95.2	90.6	82.3	73.4	61.0	36.2	12.3	7.0	5.3	17.7	76.9	5.3	
★ 031	746	100.0	100.0	100.0	100.0	96.7	86.9	82.5	69.4	60.9	52.3	39.5	23.1	16.1	12.1	30.6	57.3	12.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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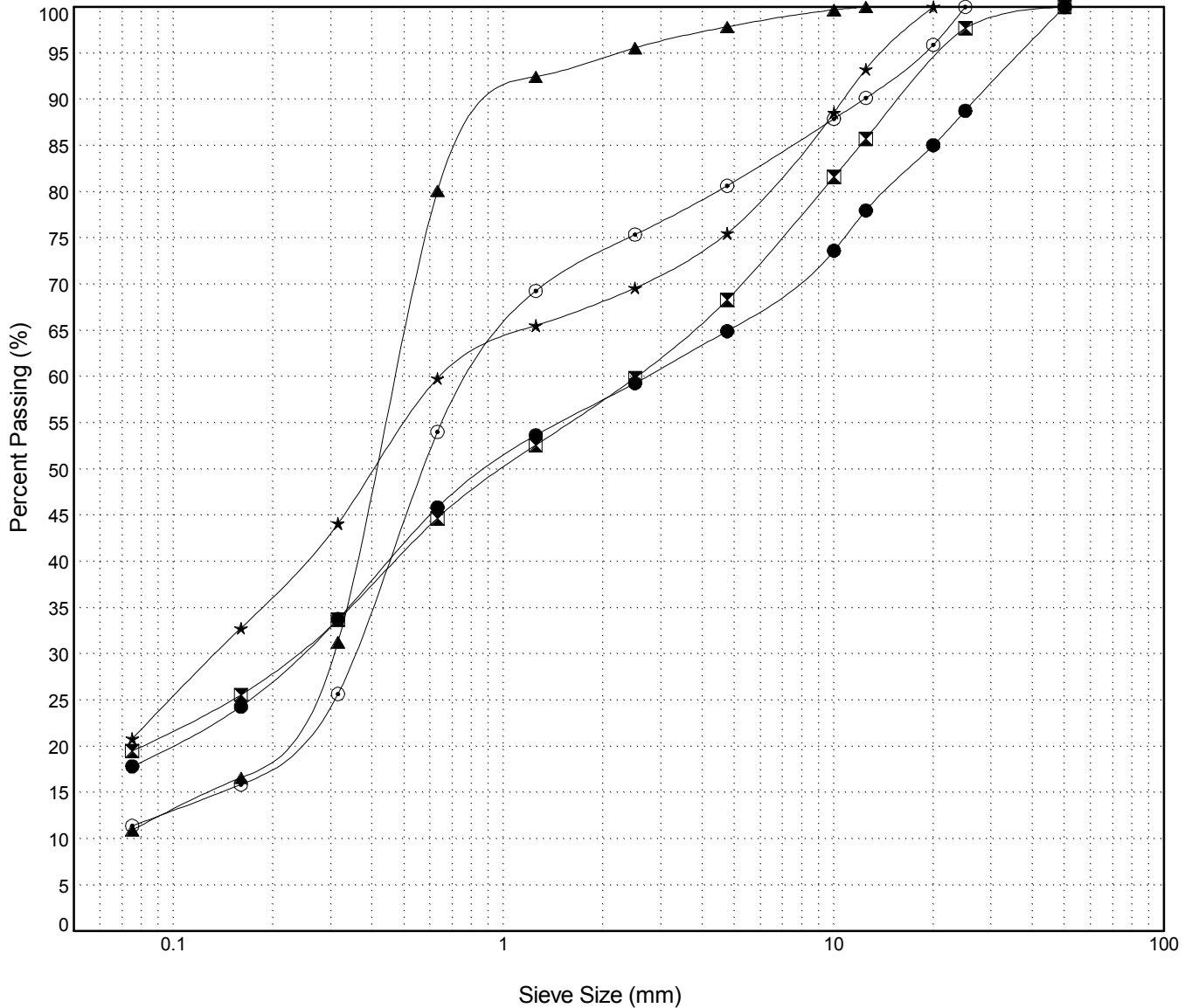
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Darkside Drilling	km 1405.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718401.9m E505240.1m	ELEVATION: 868.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 033	748	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	3.8	NP	NP	NP		
☒ 034	749	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	2.8	NP	NP	NP		
▲ 035	750	17.0 to 18.0	WELL-GRADED SAND with SILT(SW-SM)	2.8	NP	NP	NP	2.8	7.2
★ 036	751	19.0 to 20.0	SILTY SAND with GRAVEL(SM)	4.2	NP	NP	NP		
⊙ 037	752	23.0 to 24.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.9	NP	NP	NP	2.5	13.9

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
● 033	748	100.0	100.0	100.0	88.8	85.0	78.0	73.6	64.9	59.3	53.7	45.8	33.8	24.3	17.8	35.1	47.1	17.8	
☒ 034	749	100.0	100.0	100.0	97.7	93.9	85.7	81.6	68.3	59.9	52.6	44.7	33.7	25.6	19.5	31.7	48.8	19.5	
▲ 035	750	100.0	100.0	100.0	100.0	100.0	99.7	97.8	95.6	92.4	80.1	31.3	16.6	10.9	2.2	86.9	10.9		
★ 036	751	100.0	100.0	100.0	100.0	100.0	93.3	88.6	75.5	69.6	65.5	59.8	44.1	32.8	20.8	24.5	54.7	20.8	
⊙ 037	752	100.0	100.0	100.0	100.0	95.9	90.1	87.9	80.7	75.4	69.3	54.0	25.7	15.9	11.4	19.3	69.3	11.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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REVIEWED BY: R.Stilwell

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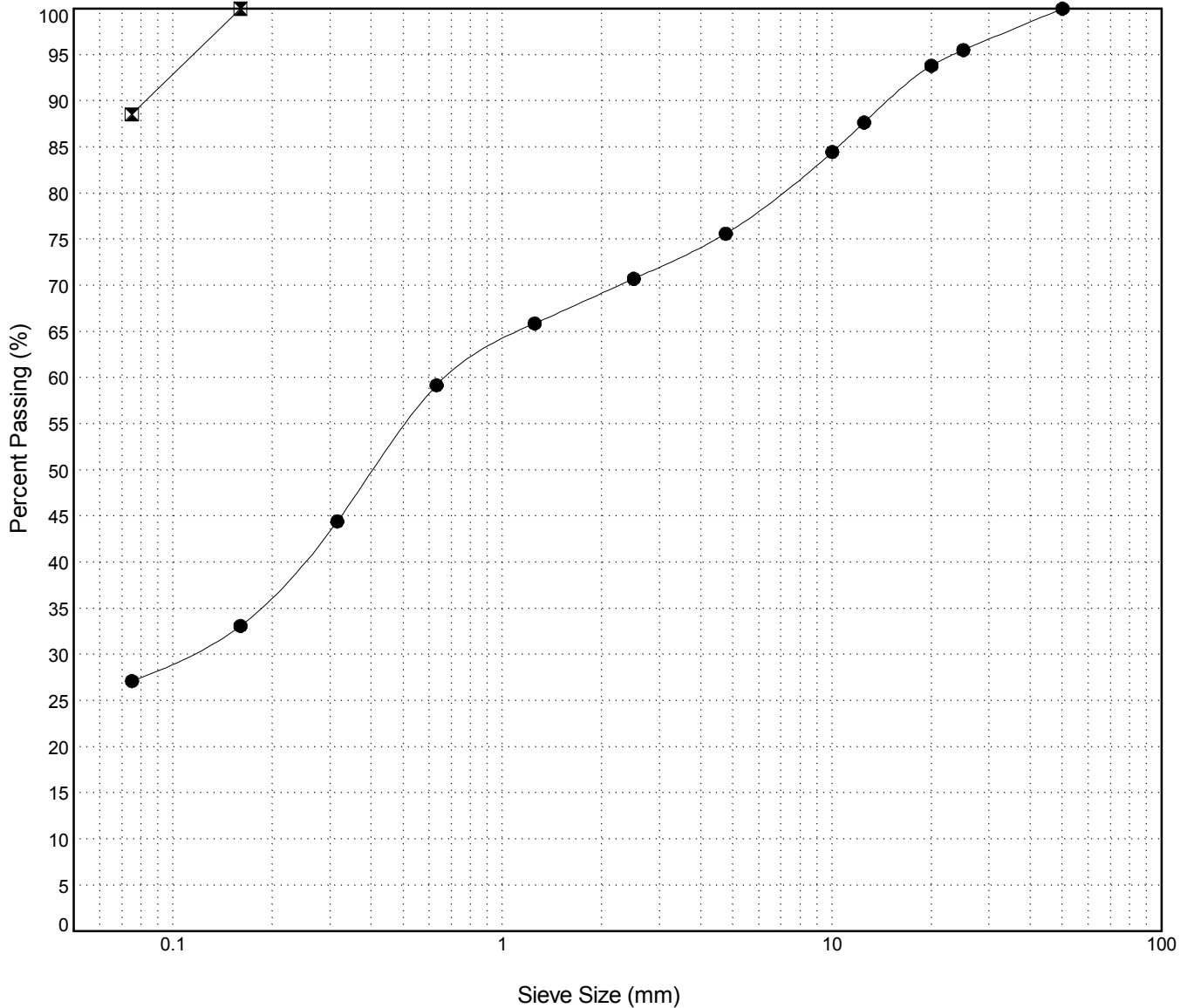
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4959
Darkside Drilling	km 1407.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718884.8m E503520.2m	ELEVATION: 862.1m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 039	754	4.0 to 5.0	SILTY SAND with GRAVEL(SM)	5.8	NP	NP	NP													
☒ 040	755	12.0 to 13.0	SILT(ML)	21.2	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				
● 039	754	100.0	100.0	100.0	95.5	93.8	87.7	84.5	75.6	70.7	65.9	59.2	44.4	33.1	27.1	Gravel	Sand	Silt	Clay	
☒ 040	755	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.5	0.0	11.5	88.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

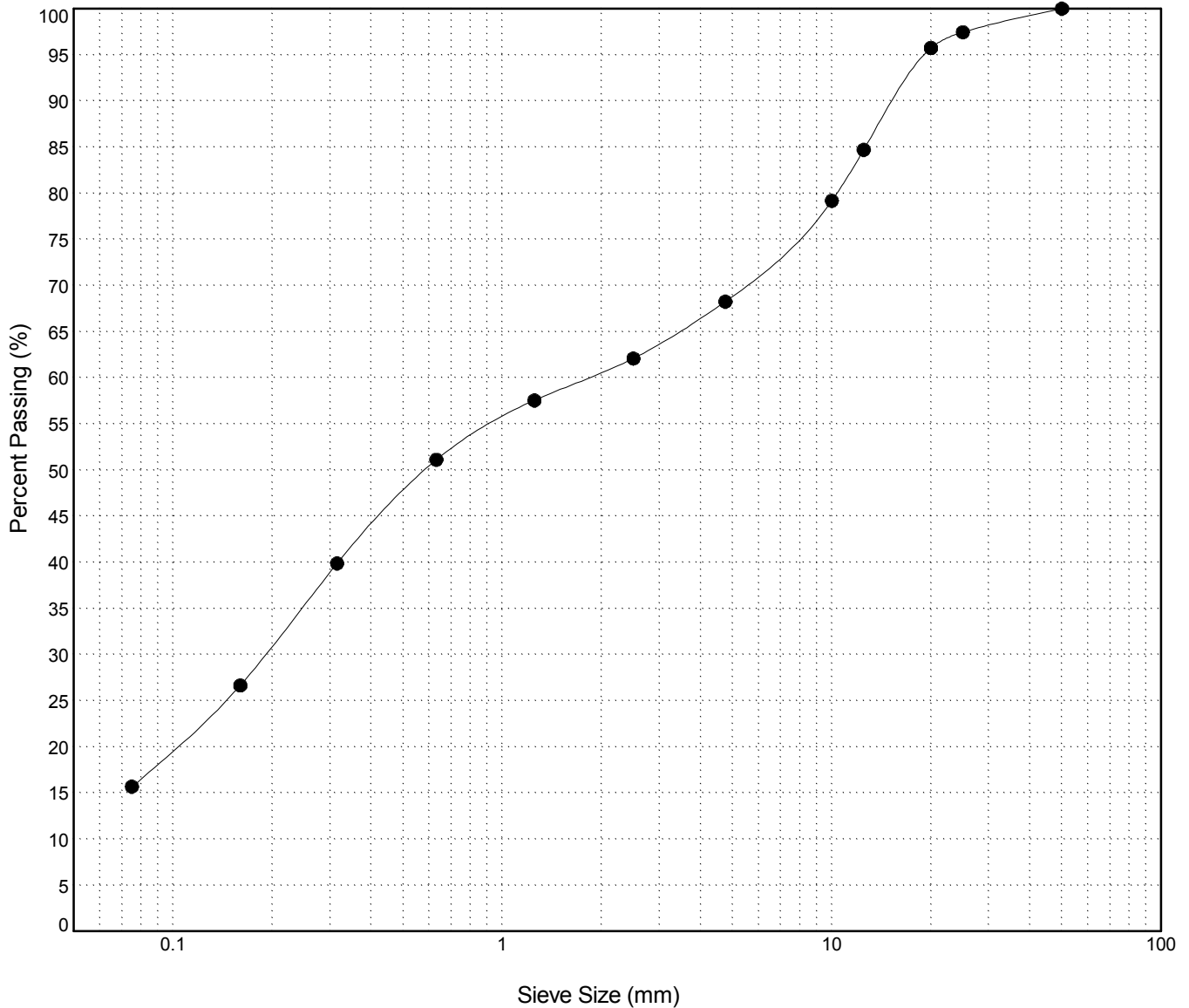


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4960
Darkside Drilling	km 1407.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718942.4m E503328.8m	ELEVATION: 821.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 043	756	1.0 to 1.5	SILTY SAND with GRAVEL(SM)											3.0	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			
● 043	756	% PASSING	100.0	100.0	100.0	97.4	95.7	84.7	79.2	68.2	62.1	57.5	51.1	39.9	26.7	15.7	Gravel	Sand	Silt	Clay
																	31.8	52.6	15.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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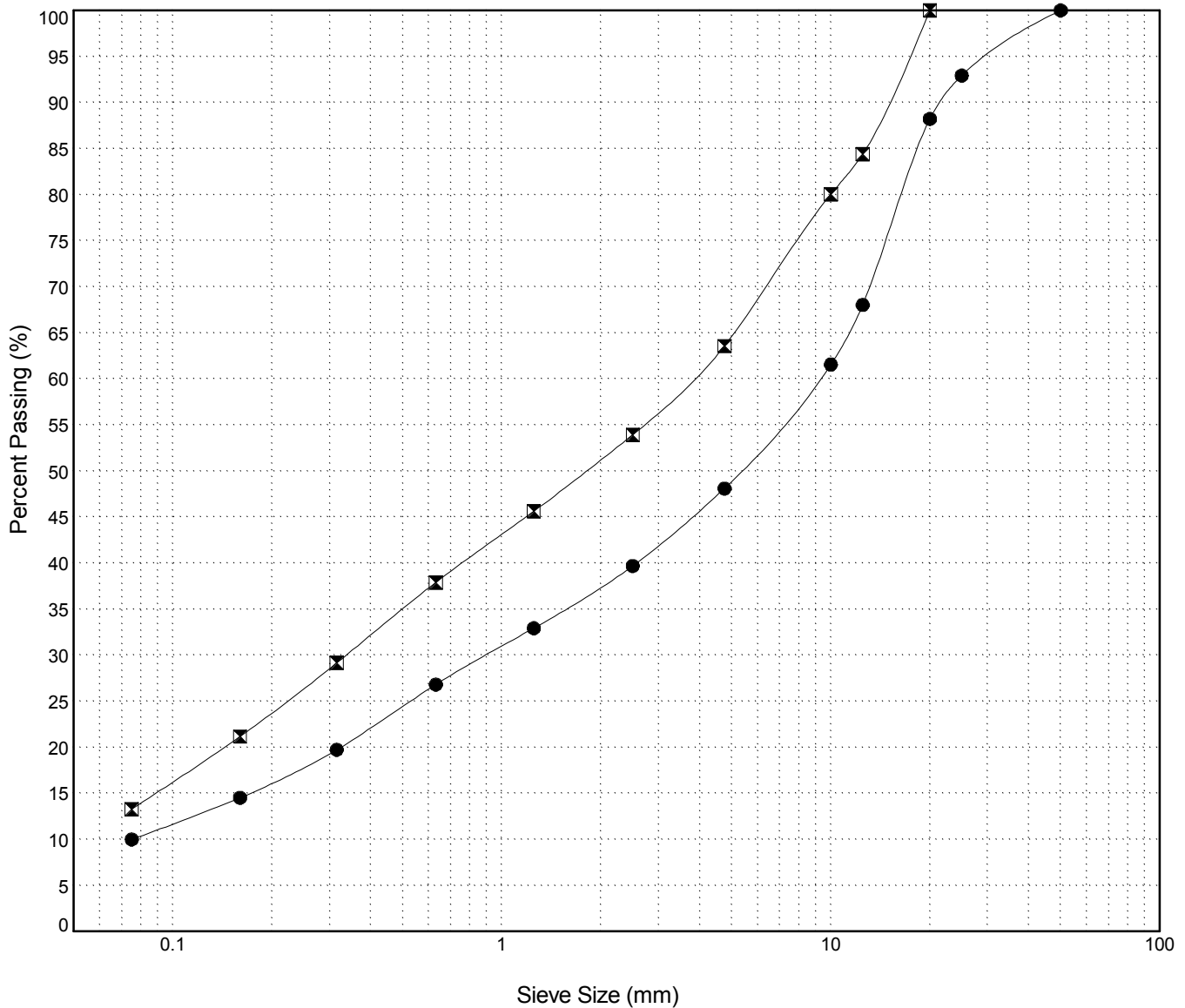
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4961
Darkside Drilling	km 1408	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718960.9m E503256.5m	ELEVATION: 812.7m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 044	757	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	2.2	NP	NP	NP	1.2	122.2											
☒ 045	758	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	1.9	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				
● 044	757	100.0	100.0	100.0	92.9	88.2	68.0	61.6	48.1	39.7	32.9	26.8	19.7	14.5	10.0	Gravel	Sand	Silt	Clay	
☒ 045	758	100.0	100.0	100.0	100.0	84.4	80.1	63.6	53.9	45.6	37.9	29.2	21.2	13.3		36.4	50.3	13.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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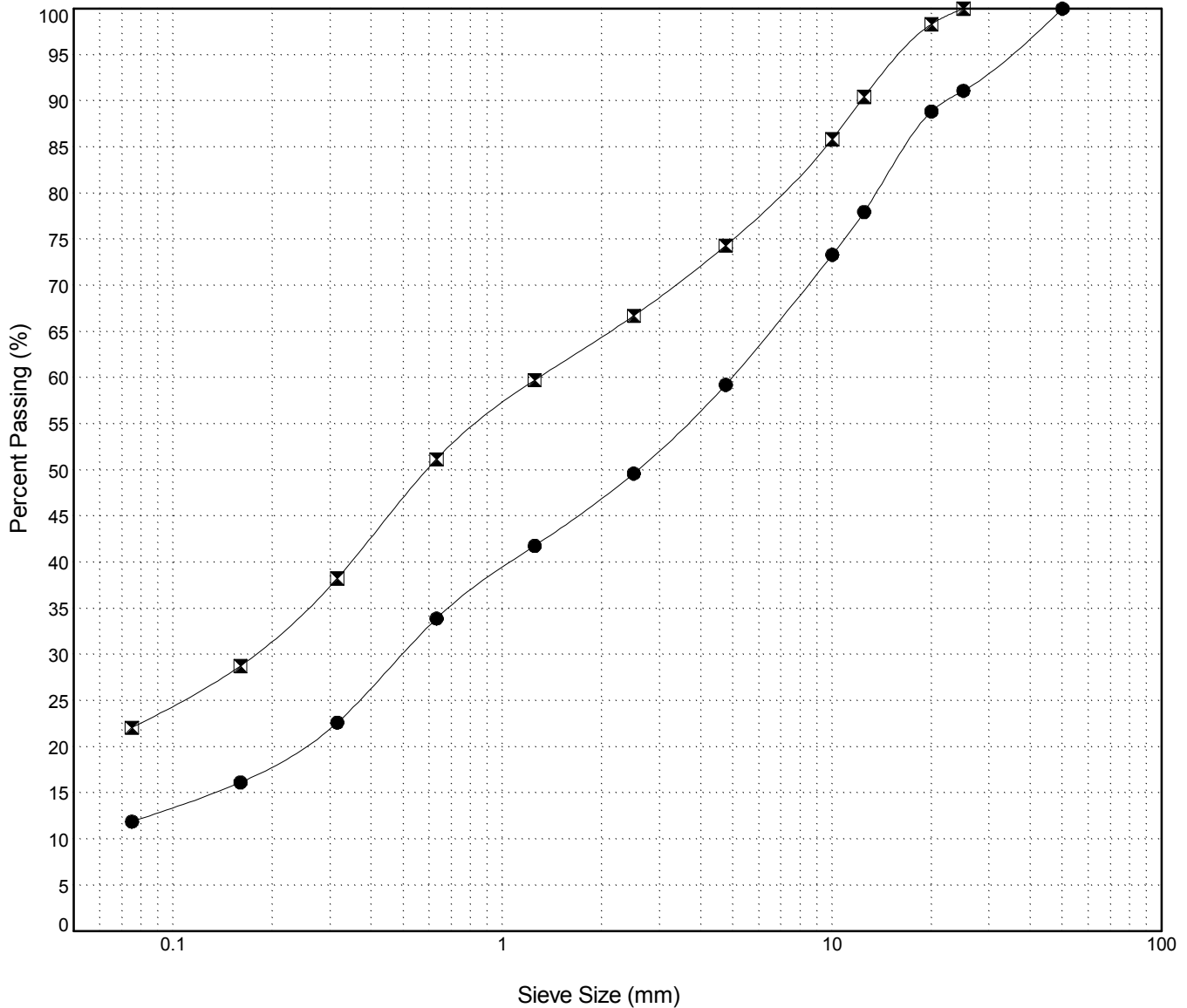
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4962
Darkside Drilling	km 1408.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6718994.1m E503156.2m	ELEVATION: 809m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 47	760	1.5 to 2.5	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	2.3	NP	NP	NP	0.9	92.6										
☒ 48	761	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	5.0	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
● 47	760	100.0	100.0	100.0	91.1	88.8	78.0	73.3	59.2	49.6	41.8	33.9	22.6	16.1	11.9	40.8	47.3	11.9	
☒ 48	761	100.0	100.0	100.0	100.0	98.3	90.5	85.9	74.3	66.7	59.7	51.2	38.3	28.8	22.1	25.7	52.2	22.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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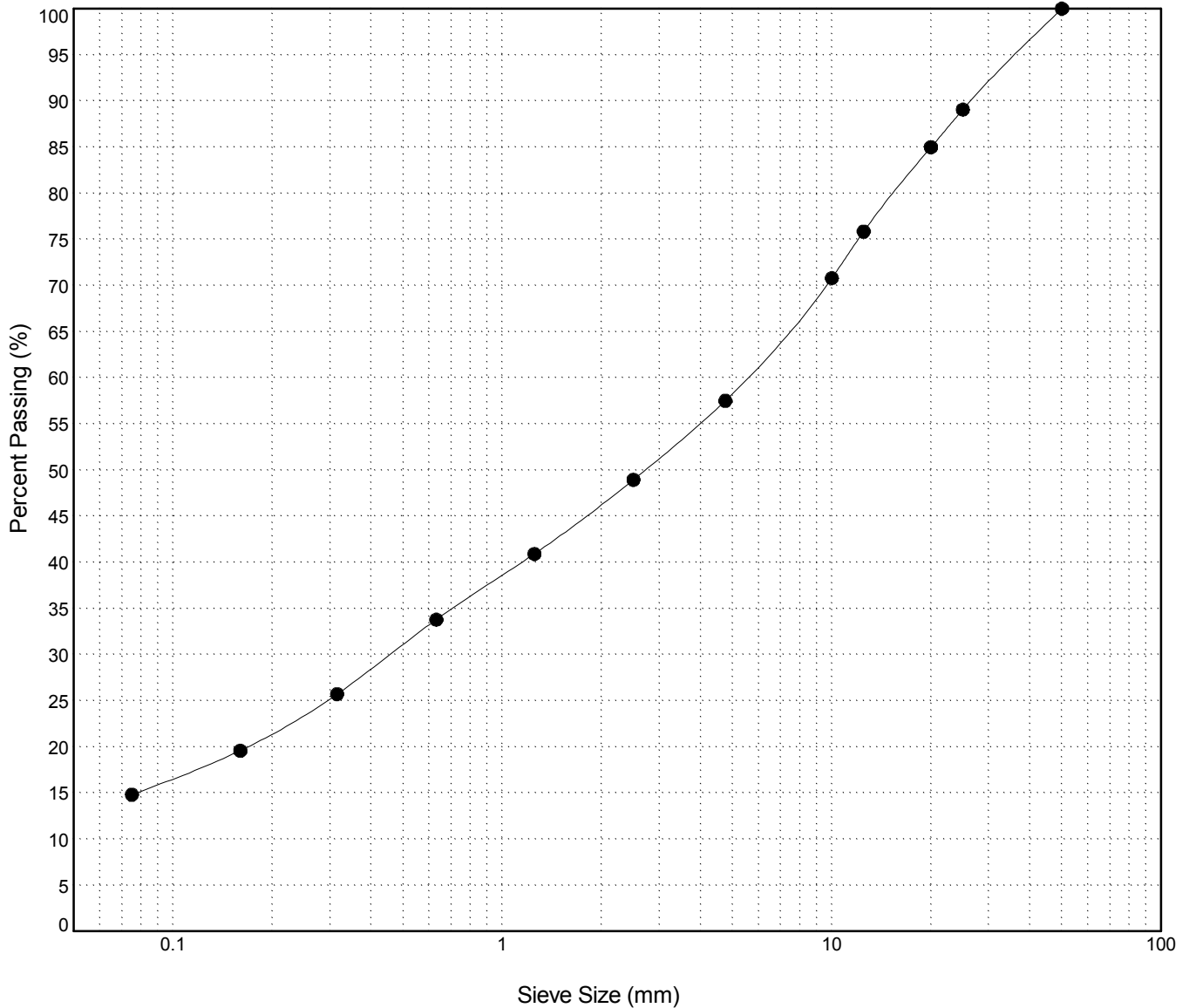
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4963
Darkside Drilling	km 1408.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6719041m E502963.1m	ELEVATION: 806m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 051	764	7.0 to 8.0	SILTY SAND with GRAVEL(SM)											3.2	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			
● 051	764	% PASSING	100.0	100.0	100.0	89.1	85.0	75.8	70.8	57.5	48.9	40.9	33.8	25.7	19.6	14.8	Gravel	Sand	Silt	Clay
																	42.5	42.7	14.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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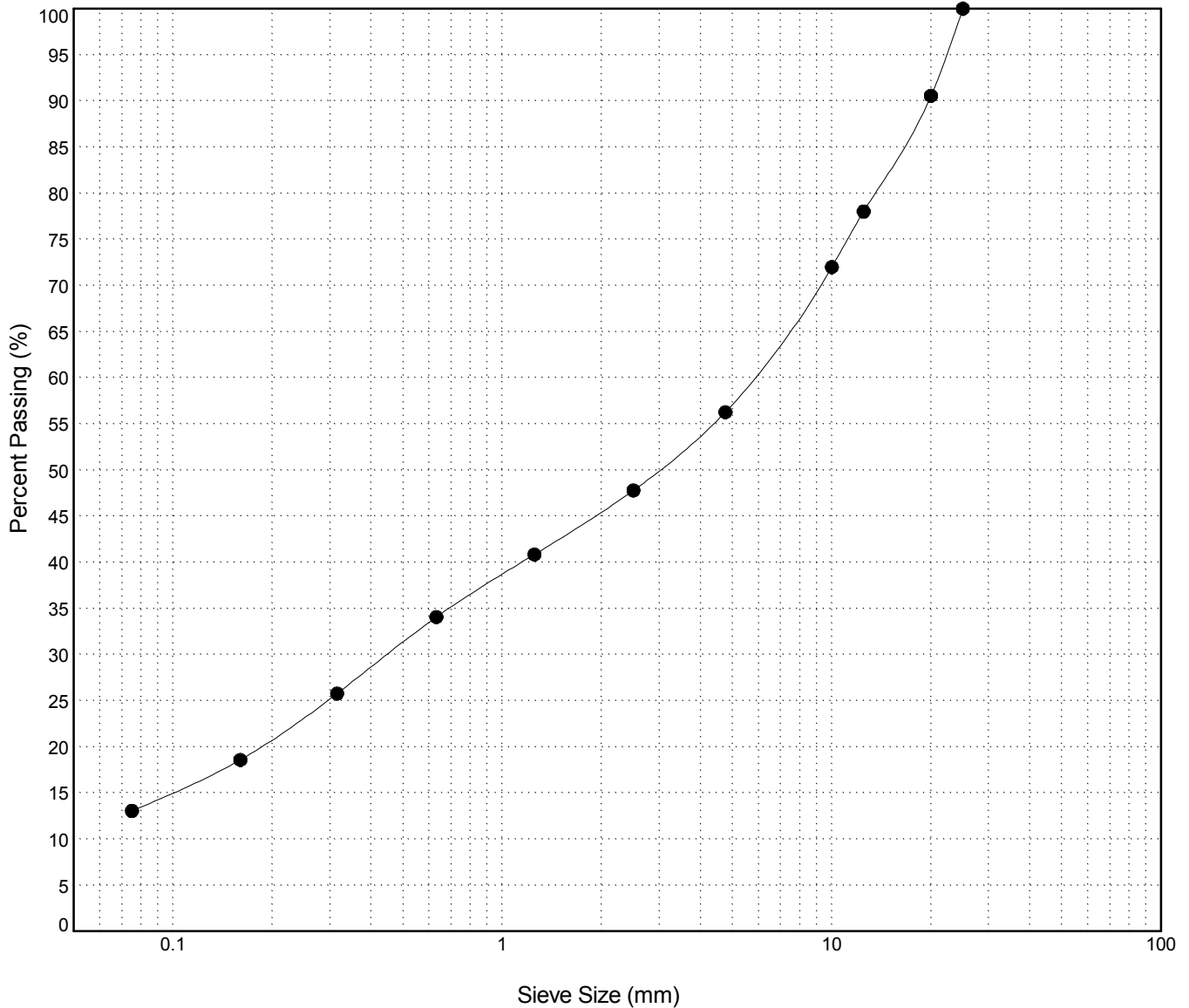
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4964
Darkside Drilling	km 1408.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6719107.7m E502778.3m	ELEVATION: 797.9m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 52	765	2.0 to 3.0	SILTY GRAVEL with SAND(GM)											3.9	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			
● 52	765	% PASSING	100.0	100.0	100.0	100.0	90.5	78.0	72.0	56.3	47.8	40.8	34.1	25.8	18.6	13.1	Gravel	Sand	Silt	Clay
																	43.7	43.2	13.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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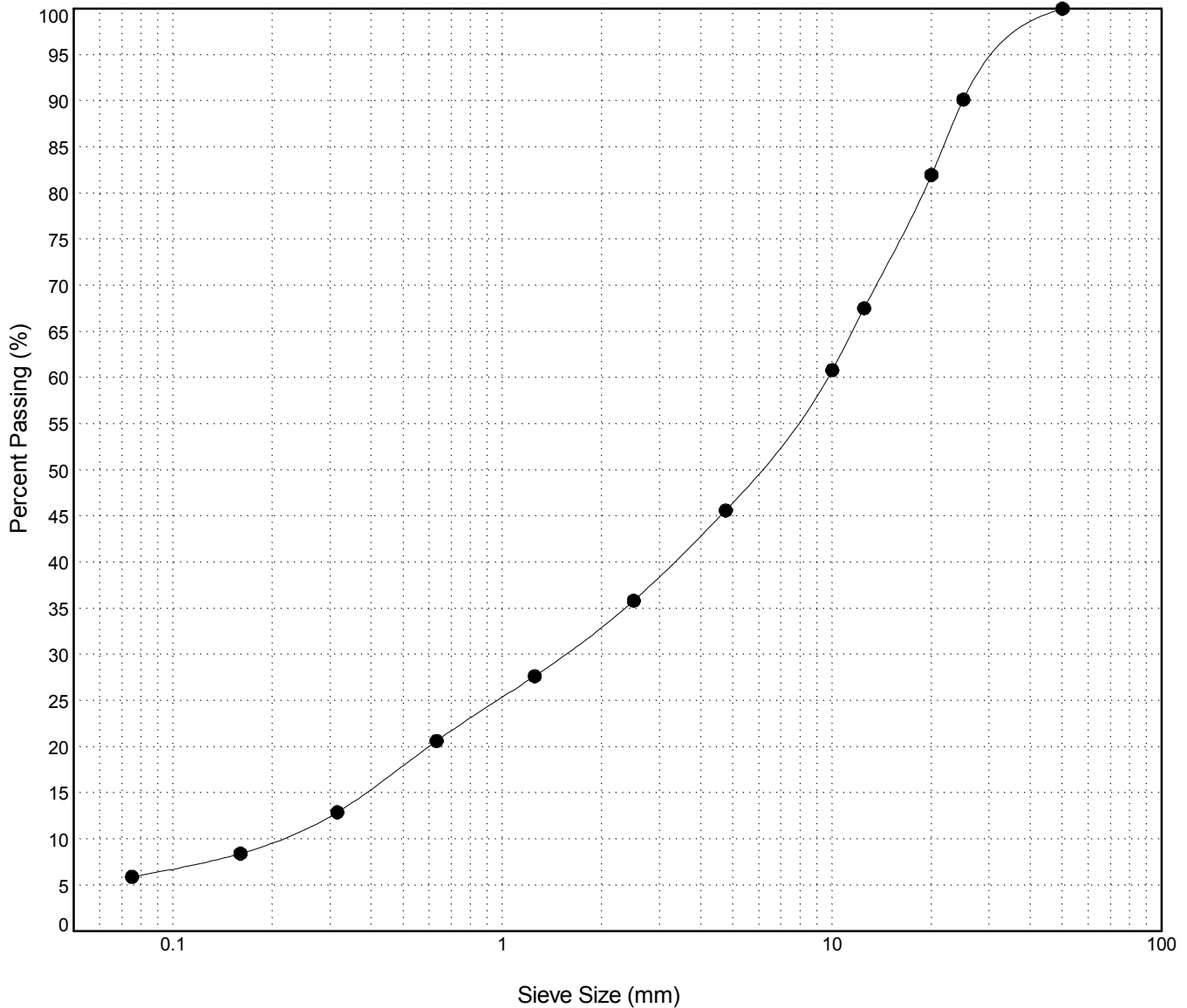
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4966
Darkside Drilling	km 1408.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6719337.8m E502504m	ELEVATION: 821.8m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 55	768	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	0.7	NP	NP	NP	1.2	47.3										
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			
● 55	768	100.0	100.0	100.0	90.2	82.0	67.5	60.8	45.6	35.8	27.7	20.6	12.9	8.4	5.9	Gravel	Sand	Silt	Clay
																54.4	39.7	5.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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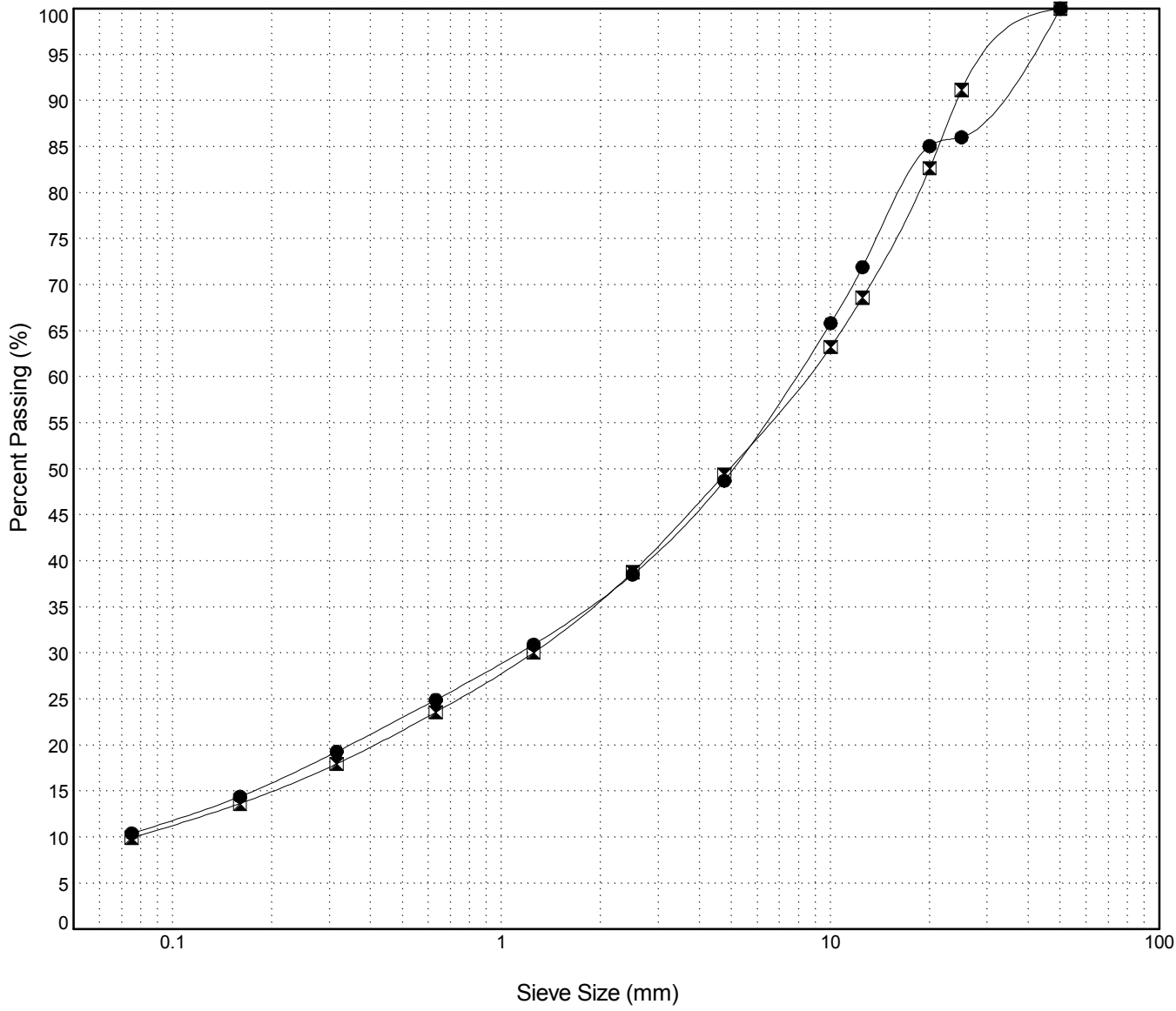
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4968
Darkside Drilling	km 1409.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6719589.7m E502289m	ELEVATION: 829.4m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 57	770	1.5 to 2.5	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	2.9	NP	NP	NP	2.4	111.9											
☒ 58	771	3.5 to 4.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.4	NP	NP	NP	2.4	110.7											
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				
● 57	770	100.0	100.0	100.0	86.0	85.1	71.9	65.8	48.7	38.5	30.9	24.9	19.3	14.4	10.4	Gravel	Sand	Silt	Clay	
☒ 58	771	100.0	100.0	100.0	91.1	82.7	68.6	63.3	49.4	38.8	30.0	23.6	18.0	13.7	9.9	50.6	39.4	9.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

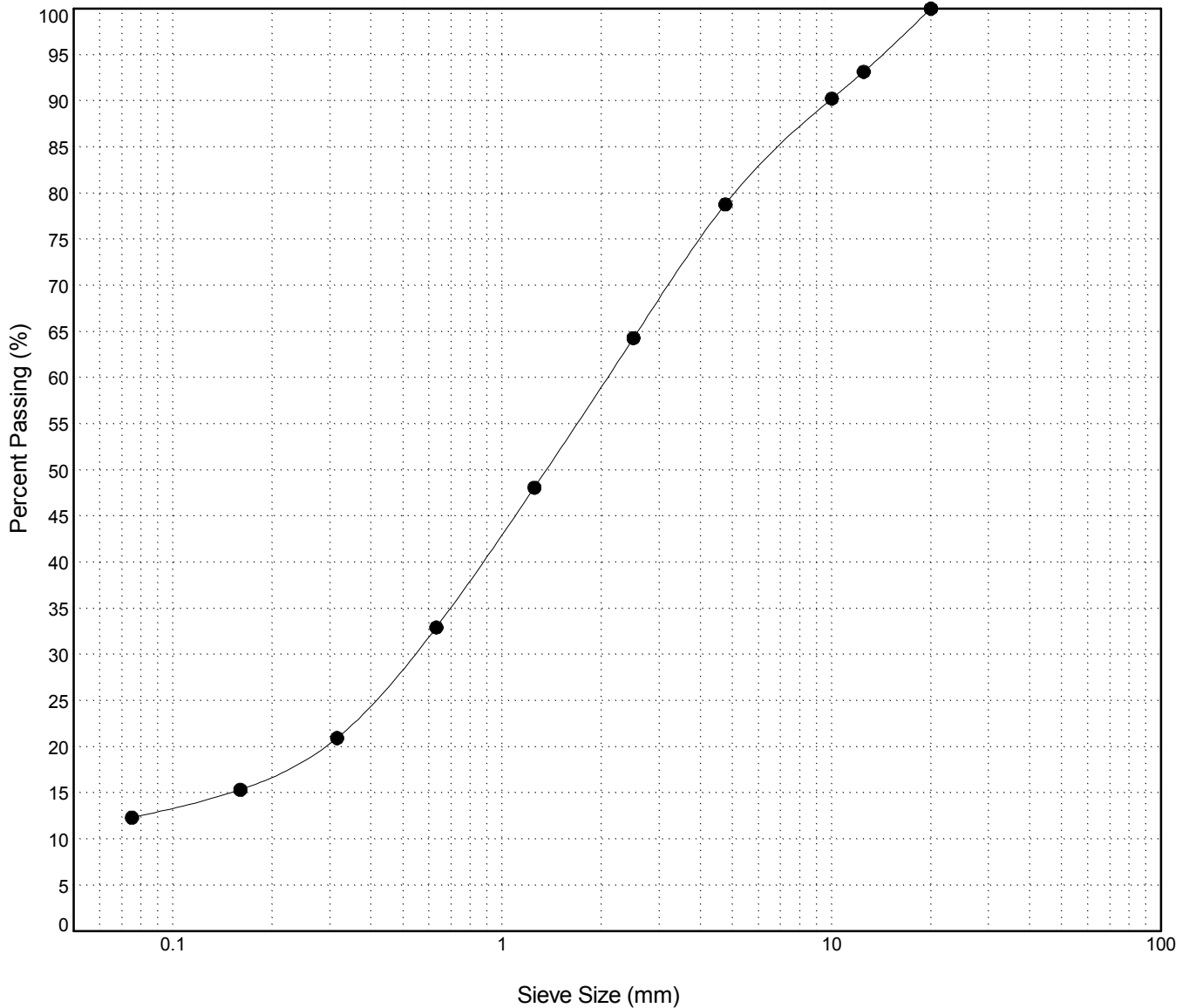


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4969
Darkside Drilling	km 1410	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6720178.3m E501761.8m	ELEVATION: 838.3m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
60	773	8.0 to 9.0	SILTY SAND with GRAVEL(SM)											1.6	NP	NP	NP	3.2	49.8	
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			
60	773	% PASSING	100.0	100.0	100.0	100.0	100.0	93.2	90.2	78.8	64.3	48.1	32.9	21.0	15.4	12.3	Gravel	Sand	Silt	Clay
																	21.2	66.5	12.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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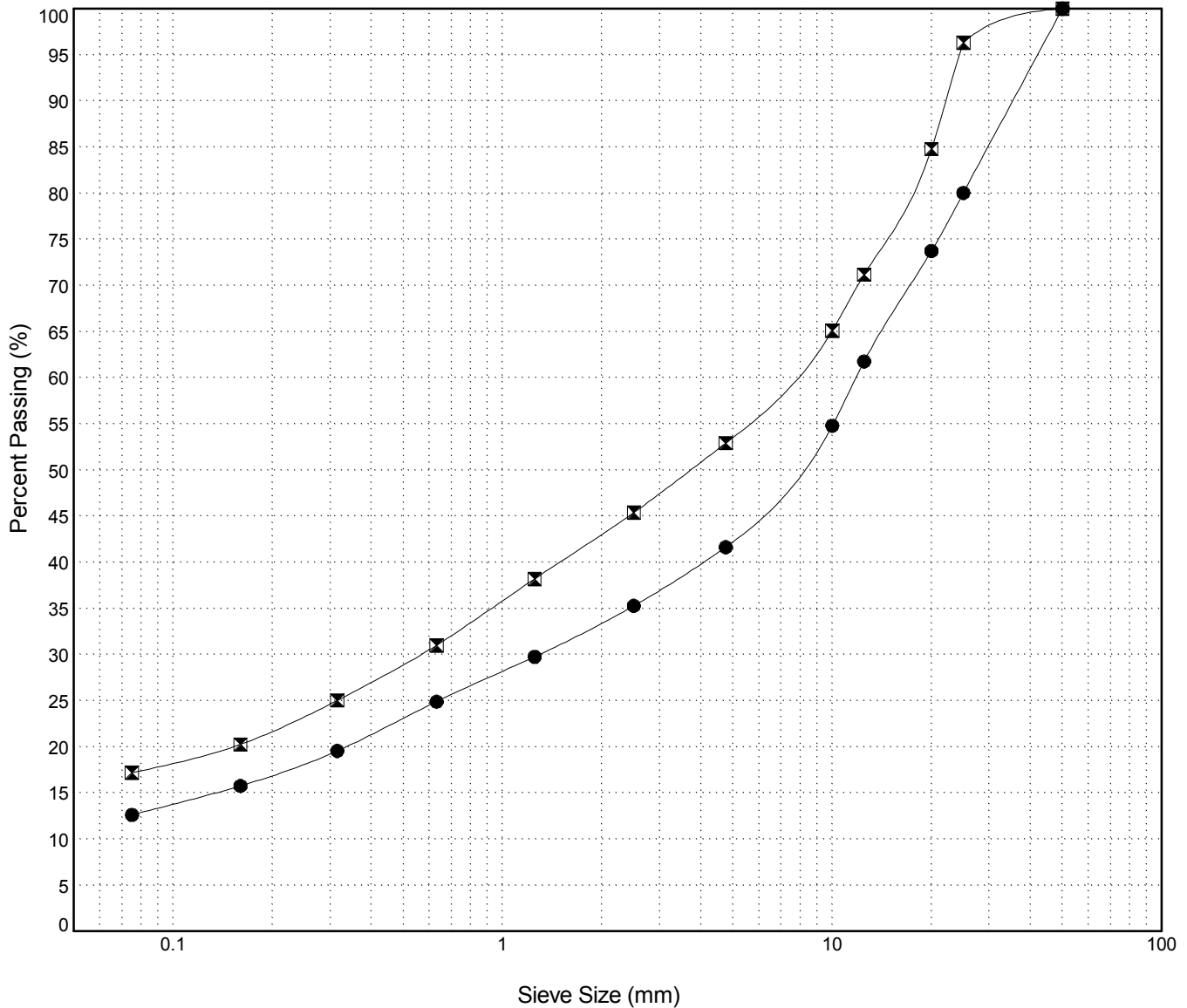
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4970
Darkside Drilling	km 1410.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6720350.7m E501604.5m	ELEVATION: 830m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 61	774	1.5 to 2.5	SILTY GRAVEL with SAND(GM)	2.3	NP	NP	NP													
☒ 62	775	3.0 to 4.0	SILTY GRAVEL with SAND(GM)	5.2	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				
● 61	774	100.0	100.0	100.0	80.0	73.7	61.8	54.8	41.6	35.3	29.8	24.9	19.6	15.8	12.6	Gravel	Sand	Silt	Clay	
☒ 62	775	100.0	100.0	100.0	96.3	84.8	71.2	65.1	52.9	45.4	38.2	31.0	25.0	20.3	17.2	58.4	29.0	12.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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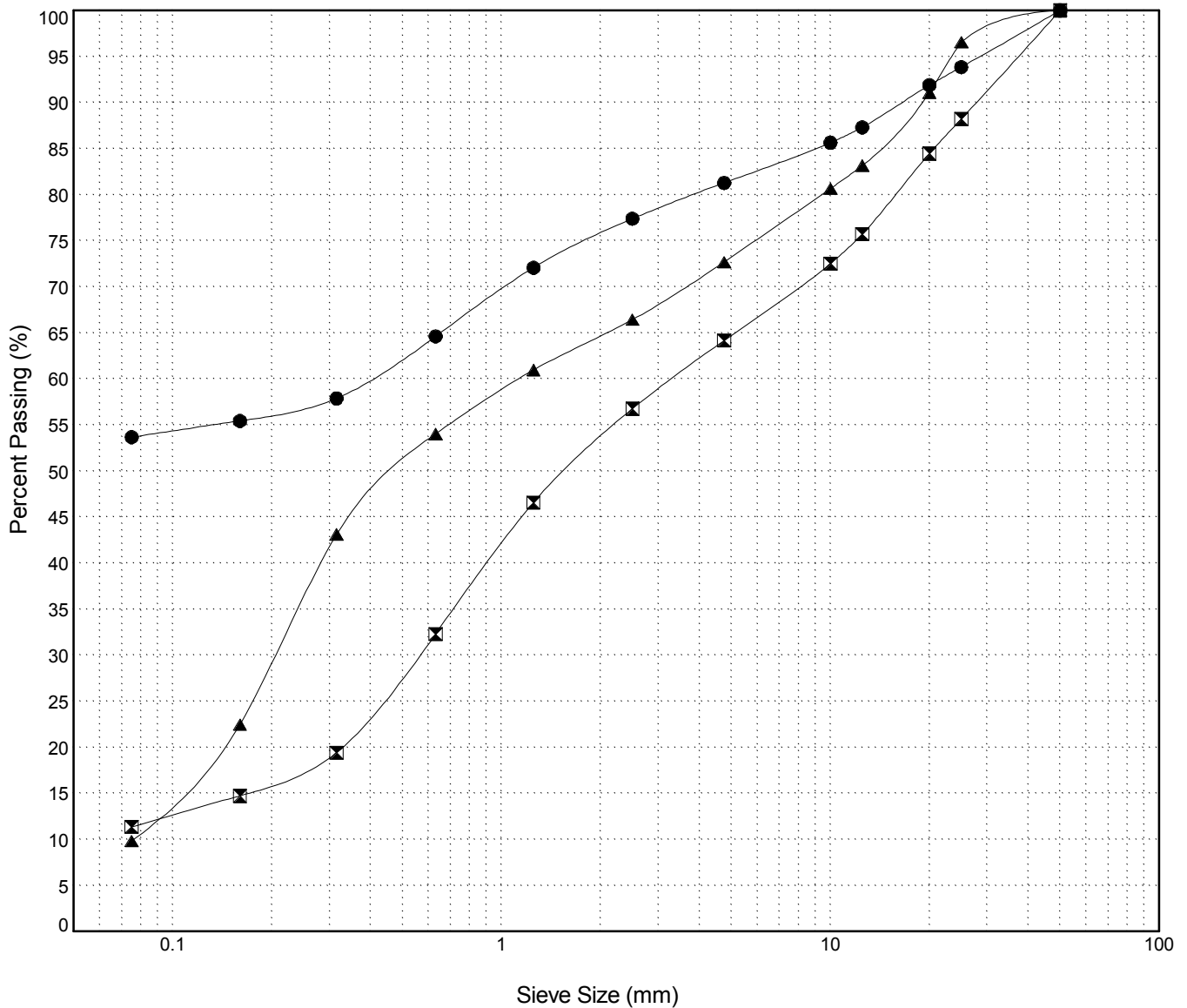
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4971
Darkside Drilling	km 1410.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6720470.3m E501490.4m	ELEVATION: 831.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 63	776	1.5 to 2.5	SANDY SILT with GRAVEL(ML)	3.2	NP	NP	NP		
☒ 64	777	3.5 to 4.5	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.7	NP	NP	NP	1.7	60.0
▲ 65	778	7.0 to 8.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	5.7	NP	NP	NP	0.5	15.0

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
● 63	776	100.0	100.0	100.0	100.0	93.8	91.9	87.3	85.6	81.3	77.4	72.1	64.6	57.9	55.4	53.7	18.7	27.6	53.7	
☒ 64	777	100.0	100.0	100.0	88.2	84.5	75.7	72.5	64.2	56.7	46.6	32.3	19.4	14.7	11.4		35.8	52.8	11.4	
▲ 65	778	100.0	100.0	100.0	96.6	91.1	83.1	80.7	72.7	66.4	61.0	54.0	43.1	22.5	9.8		27.3	62.9	9.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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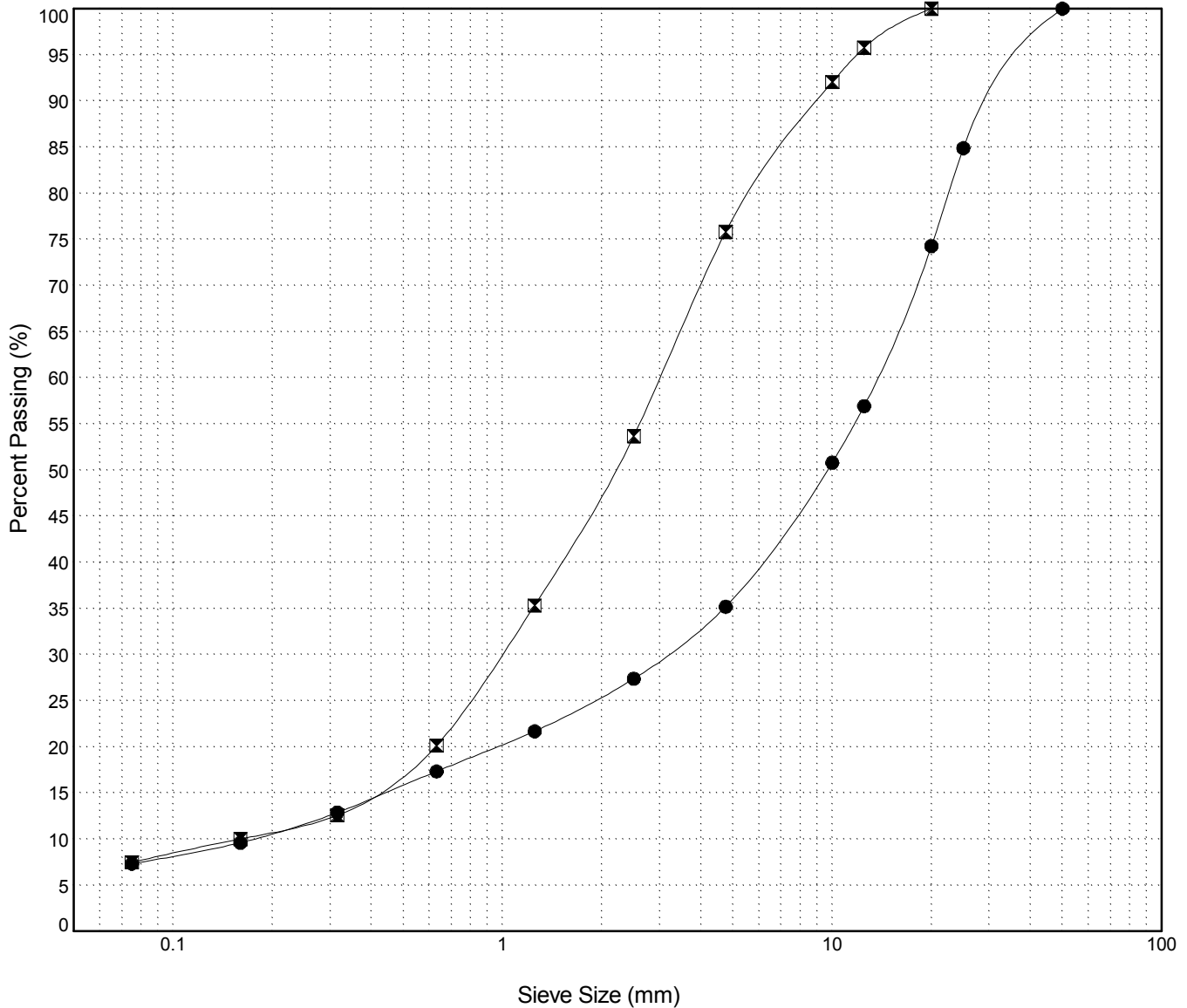
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4972
Darkside Drilling	km 1410.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6720615.8m E501344.7m	ELEVATION: 833.3m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 66	779	2.5 to 3.5	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	0.9	NP	NP	NP	4.1	78.3											
☒ 67	780	7.0 to 8.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.5	NP	NP	NP	2.0	18.9											
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				
● 66	779	100.0	100.0	100.0	84.9	74.3	56.9	50.8	35.2	27.4	21.7	17.3	12.9	9.6	7.3	Gravel	Sand	Silt	Clay	
☒ 67	780	100.0	100.0	100.0	100.0	100.0	95.8	92.0	75.8	53.7	35.3	20.1	12.6	10.0	7.5	64.8	27.8	7.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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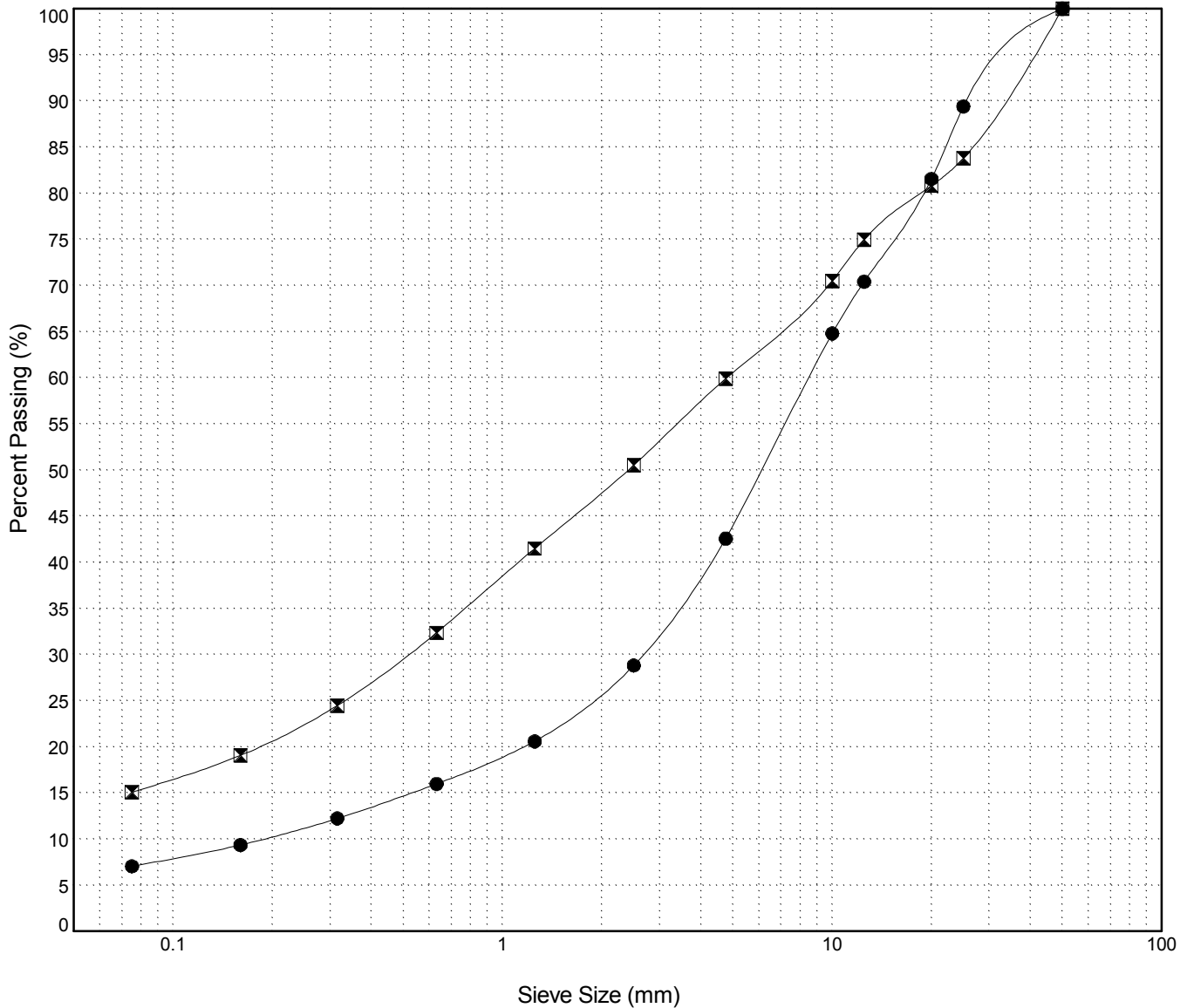
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 842-4974
Darkside Drilling	km 1411.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6720936.8m E500978.2m	ELEVATION: 825.7m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 71	784	2.5 to 3.5	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.4	NP	NP	NP	4.4	45.8										
☒ 72	785	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	1.0	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
● 71	784	100.0	100.0	100.0	89.4	81.5	70.4	64.8	42.6	28.8	20.6	16.0	12.2	9.4	7.1	57.4	35.5	7.1	
☒ 72	785	100.0	100.0	100.0	83.8	80.8	75.0	70.5	59.9	50.5	41.5	32.4	24.5	19.1	15.1	40.1	44.8	15.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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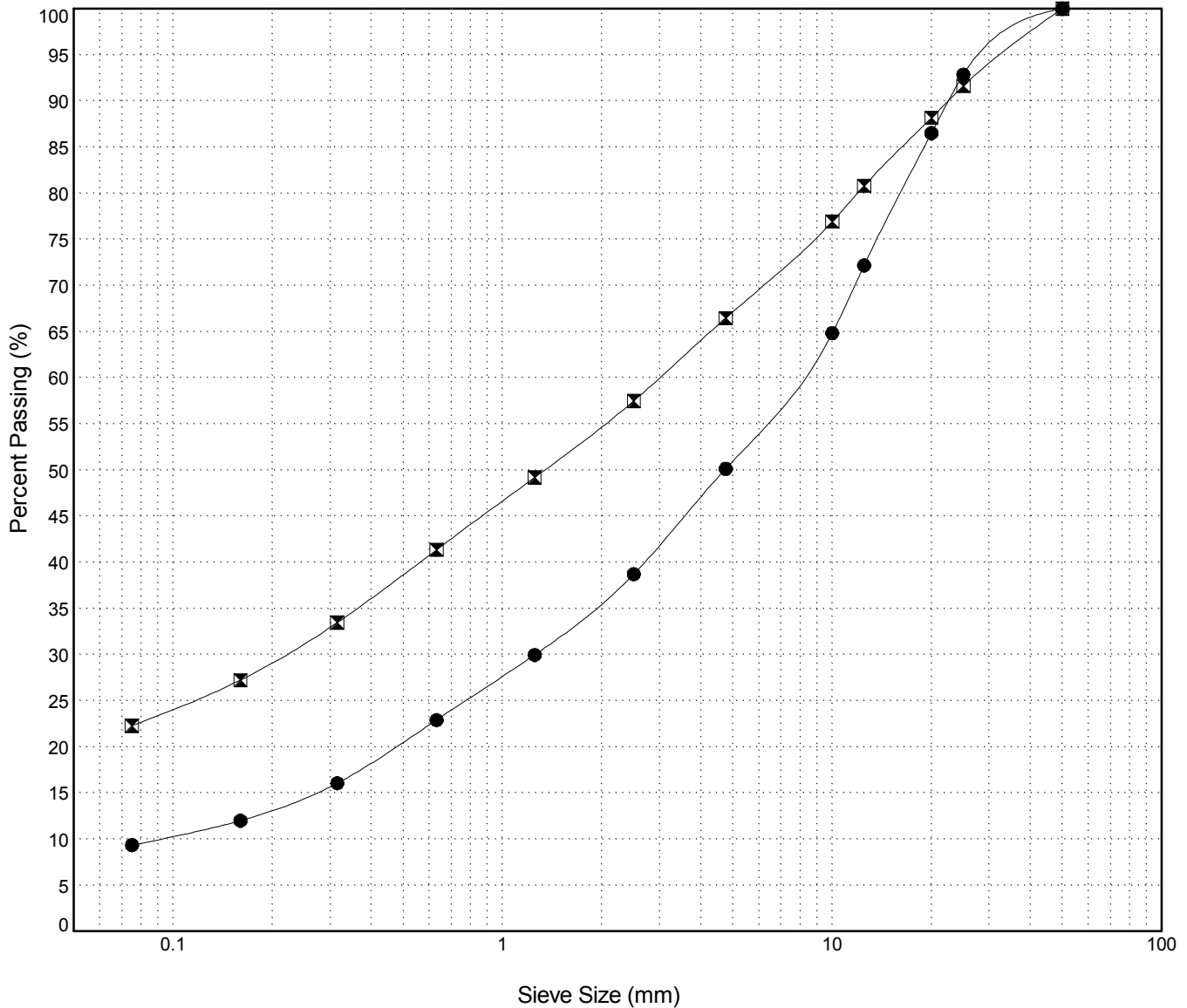
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4975
Darkside Drilling	km 1411.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6721069.8m E500827.7m	ELEVATION: 825.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 74	787	1.5 to 2.5	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	0.9	NP	NP	NP	2.2	86.9											
☒ 75	788	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	7.1	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				
● 74	787	100.0	100.0	100.0	92.9	86.5	72.2	64.8	50.1	38.7	30.0	22.9	16.1	12.0	9.4	Gravel	Sand	Silt	Clay	
☒ 75	788	100.0	100.0	100.0	91.6	88.2	80.8	76.9	66.5	57.5	49.2	41.4	33.5	27.2	22.3	33.5	44.2	22.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

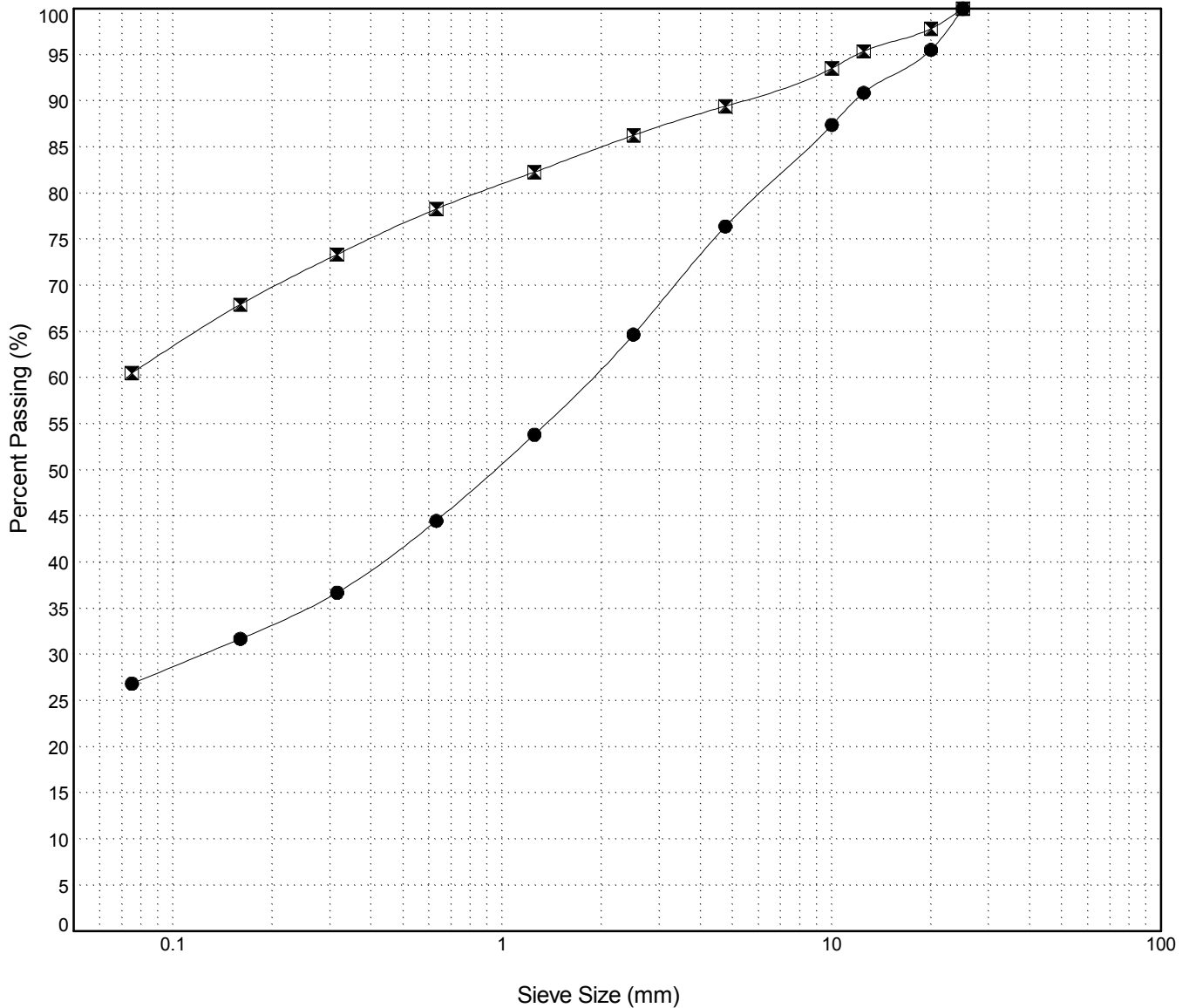


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4976
Darkside Drilling	km 1411.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6721216.2m E500661.5m	ELEVATION: 813.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 79	792	8.0 to 9.0	SILTY SAND with GRAVEL(SM)	7.5	NP	NP	NP												
☒ 81	794	17.0 to 18.0	SANDY SILT(ML)	11.7	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			
● 79	792	100.0	100.0	100.0	100.0	95.5	90.9	87.4	76.4	64.7	53.8	44.5	36.7	31.7	26.8	Gravel	Sand	Silt	Clay
☒ 81	794	100.0	100.0	100.0	100.0	97.8	95.4	93.5	89.4	86.3	82.3	78.3	73.4	67.9	60.5	10.6	28.9	60.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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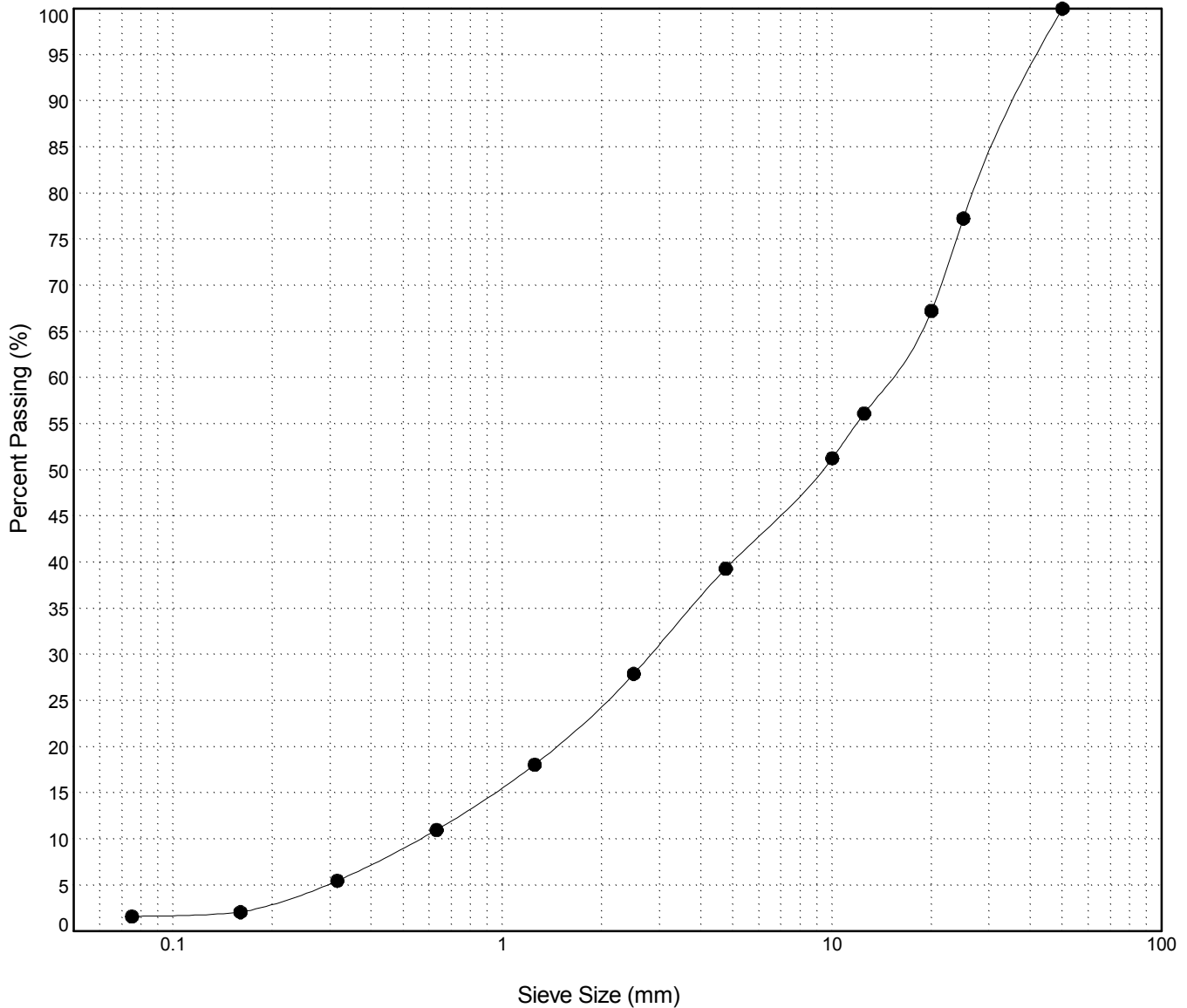
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4977
Darkside Drilling	km 1411.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6721335.5m E500526.5m	ELEVATION: 822.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
83	796	3.0 to 4.0	POORLY GRADED GRAVEL with SAND(GP)	15.5	NP	NP	NP	1.0	26.5										
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			
83	796	100.0	100.0	100.0	77.3	67.2	56.1	51.3	39.3	27.9	18.1	11.0	5.5	2.1	1.6	Gravel	Sand	Silt	Clay
																60.7	37.7	1.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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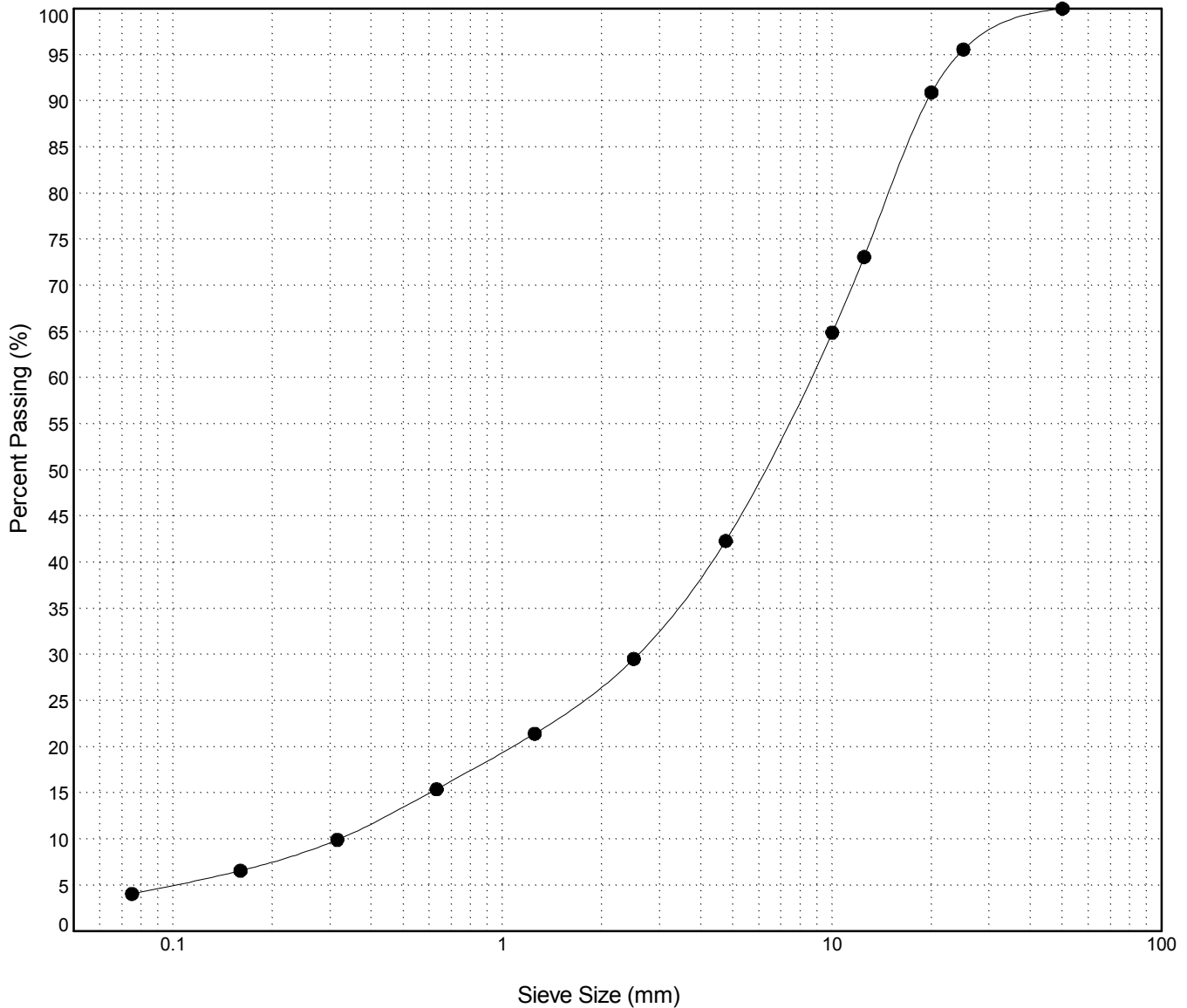
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4978
Darkside Drilling	km 1412.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6721735.9m E500238.6m	ELEVATION: 835.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
84	797	2.0 to 3.0	WELL-GRADED GRAVEL with SAND(GW)	5.1	NP	NP	NP	2.4	26.8										
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			
84	797	100.0	100.0	100.0	95.6	90.9	73.1	64.9	42.3	29.5	21.4	15.4	9.9	6.6	4.1	Gravel	Sand	Silt	Clay
																57.7	38.3	4.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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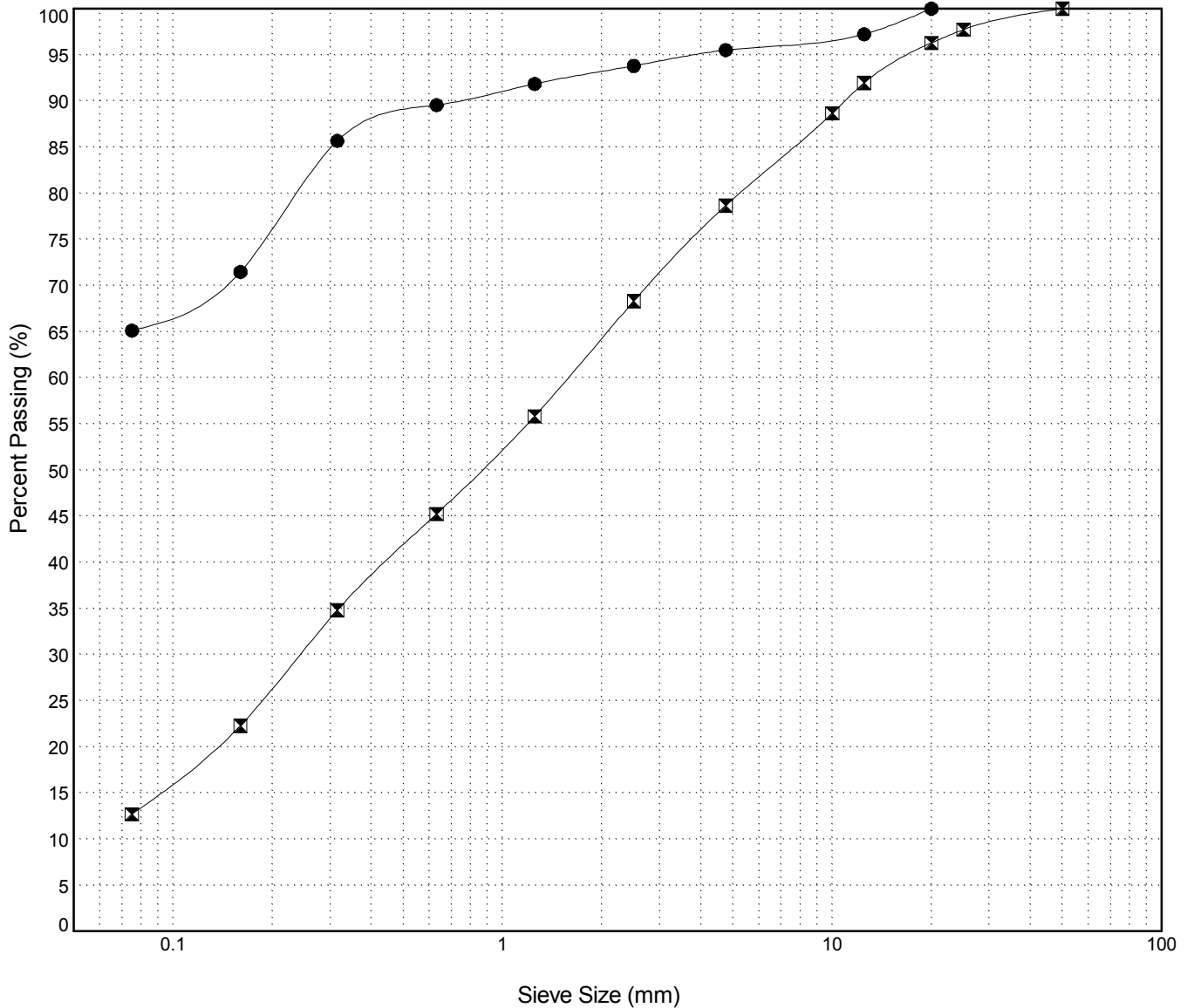
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4979
Darkside Drilling	km 1412.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6721914.8m E500155.4m	ELEVATION: 847.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 87	800	4.0 to 5.0	SANDY SILT (ML)	24.9	NP	NP	NP													
☒ 88	801	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	6.6	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				
																Gravel	Sand	Silt	Clay	
● 87	800	100.0	100.0	100.0	100.0	100.0	97.2	96.8	95.5	93.8	91.8	89.5	85.7	71.5	65.1	4.5	30.4	65.1		
☒ 88	801	100.0	100.0	100.0	97.7	96.3	91.9	88.7	78.6	68.3	55.8	45.2	34.8	22.3	12.7	21.4	65.9	12.7		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



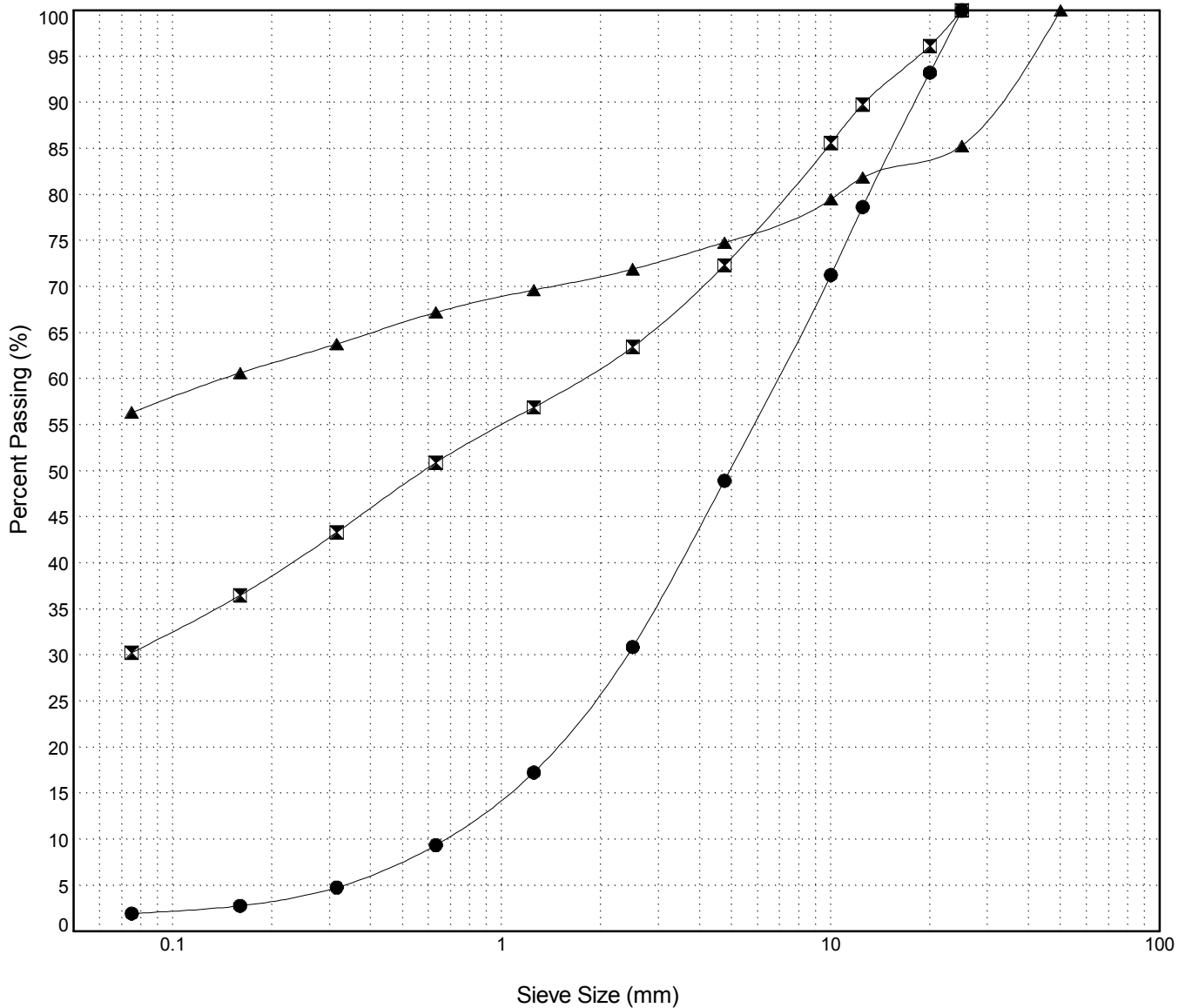
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4980
Darkside Drilling	km 1412.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6722177.8m E500019.3m	ELEVATION: 848.2m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 89	802	2.0 to 3.0	WELL-GRADED GRAVEL with SAND(GW)	6.2	NP	NP	NP	1.3	10.3
☒ 90	803	4.0 to 5.0	SILTY SAND with GRAVEL(SM)	4.0	NP	NP	NP		
▲ 91	804	7.0 to 8.0	GRAVELLY SILT with SAND(ML)	11.5	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
● 89	802	100.0	100.0	100.0	100.0	93.2	78.6	71.3	48.9	30.9	17.3	9.4	4.8	2.8	2.0	51.1	47.0	2.0		
☒ 90	803	100.0	100.0	100.0	100.0	96.1	89.8	85.6	72.3	63.5	56.9	50.9	43.3	36.5	30.3	27.7	42.1	30.3		
▲ 91	804	100.0	100.0	100.0	85.3	84.2	81.8	79.5	74.8	71.9	69.6	67.2	63.8	60.6	56.4	25.2	18.4	56.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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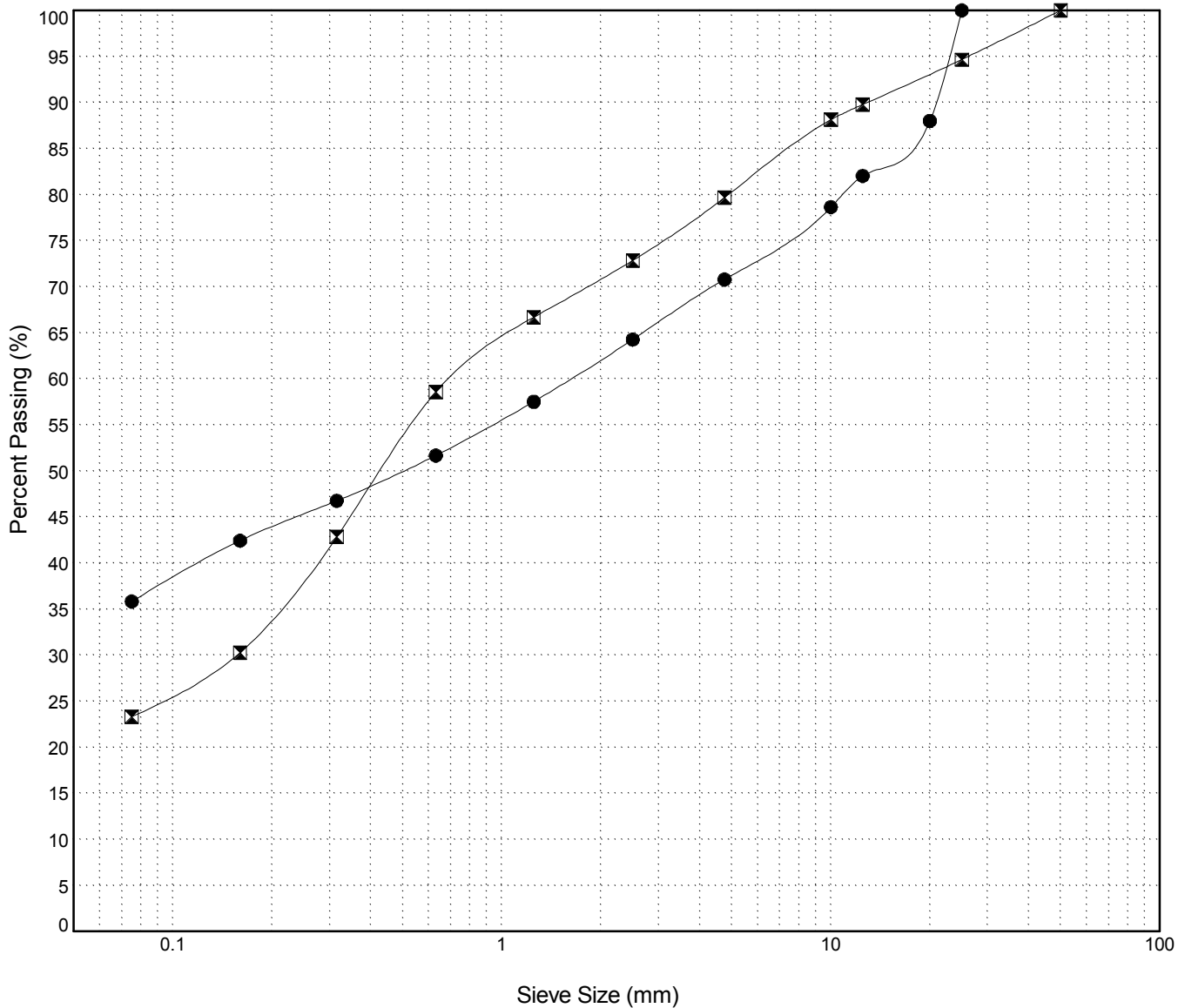
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4981
Darkside Drilling	km 1413	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6722507.3m E499868.7m	ELEVATION: 842.5m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 93	806	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	7.3	NP	NP	NP												
☒ 94	807	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	4.2	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			
● 93	806	100.0	100.0	100.0	100.0	88.0	82.0	78.6	70.8	64.3	57.5	51.7	46.8	42.4	35.8	29.2	35.0	35.8	
☒ 94	807	100.0	100.0	100.0	94.7	93.1	89.8	88.1	79.7	72.8	66.7	58.6	42.8	30.3	23.3	20.3	56.4	23.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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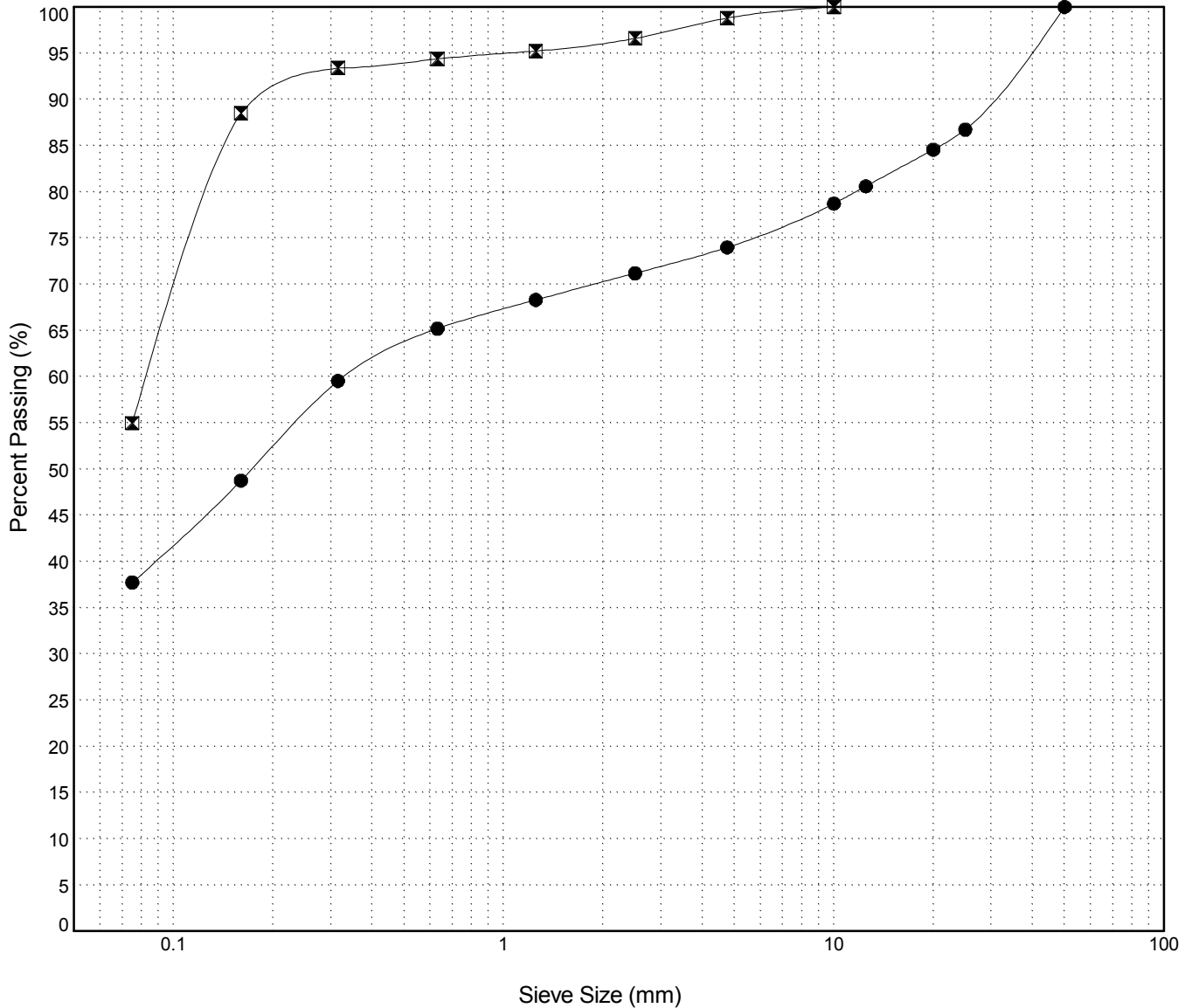
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4982
Darkside Drilling	km 1413.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6722760m E499744.8m	ELEVATION: 854.1m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 96	809	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	6.0	NP	NP	NP												
☒ 97	810	13.0 to 14.0	SANDY SILT(ML)	16.6	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			
																Gravel	Sand	Silt	Clay
● 96	809	100.0	100.0	100.0	86.7	84.6	80.6	78.7	74.0	71.2	68.3	65.2	59.5	48.8	37.7	26.0	36.2	37.7	
☒ 97	810	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	96.6	95.2	94.4	93.4	88.5	55.0	1.2	43.8	55.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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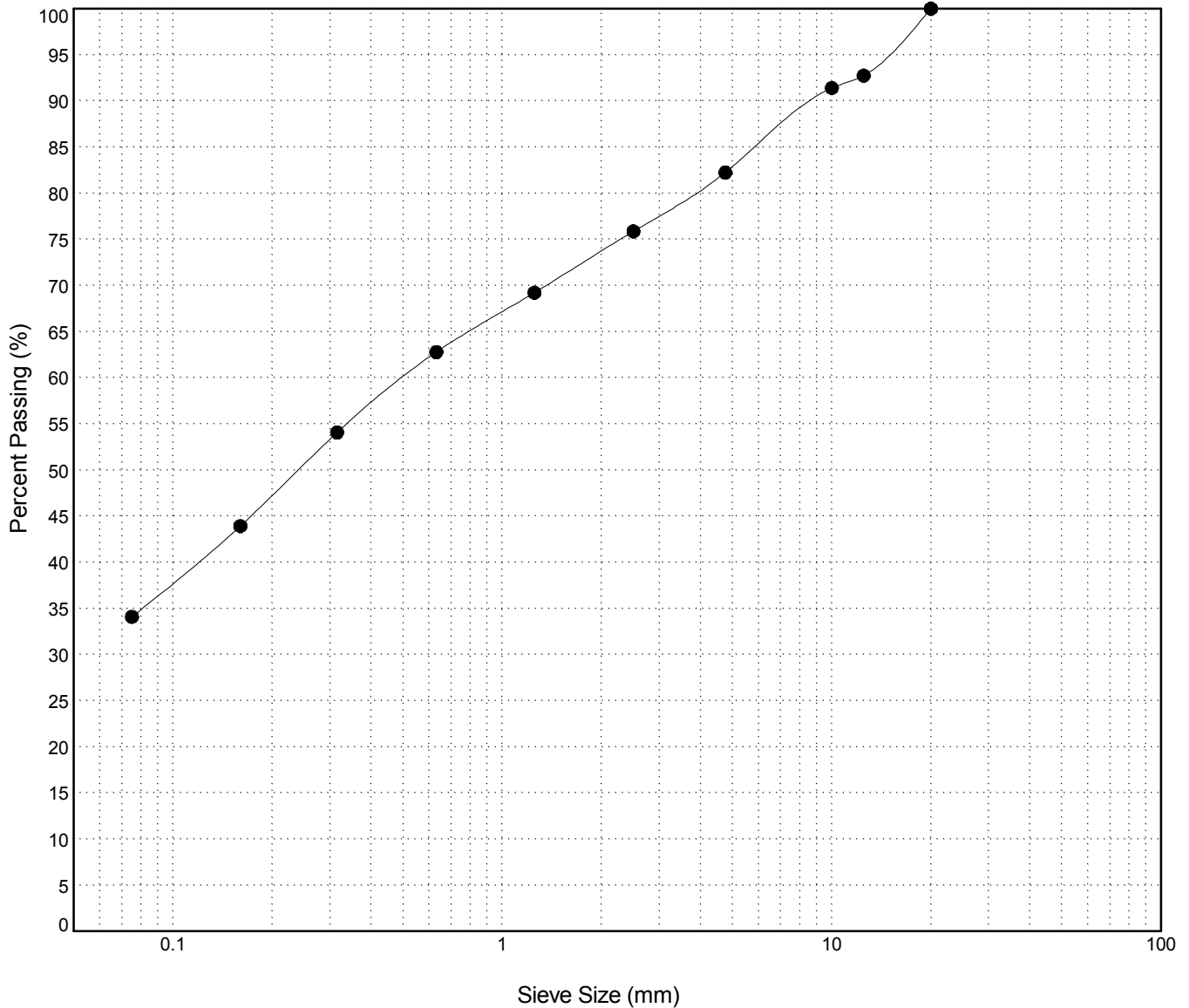
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4983
Darkside Drilling	km 1413.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6722893.2m E499680.3m	ELEVATION: 862.8m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 100	813	8.0 to 9.0	SILTY SAND with GRAVEL(SM)											7.4	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			
● 100	813	% PASSING	100.0	100.0	100.0	100.0	100.0	92.7	91.4	82.2	75.9	69.2	62.8	54.1	43.9	34.1	Gravel	Sand	Silt	Clay
																	17.8	48.1	34.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

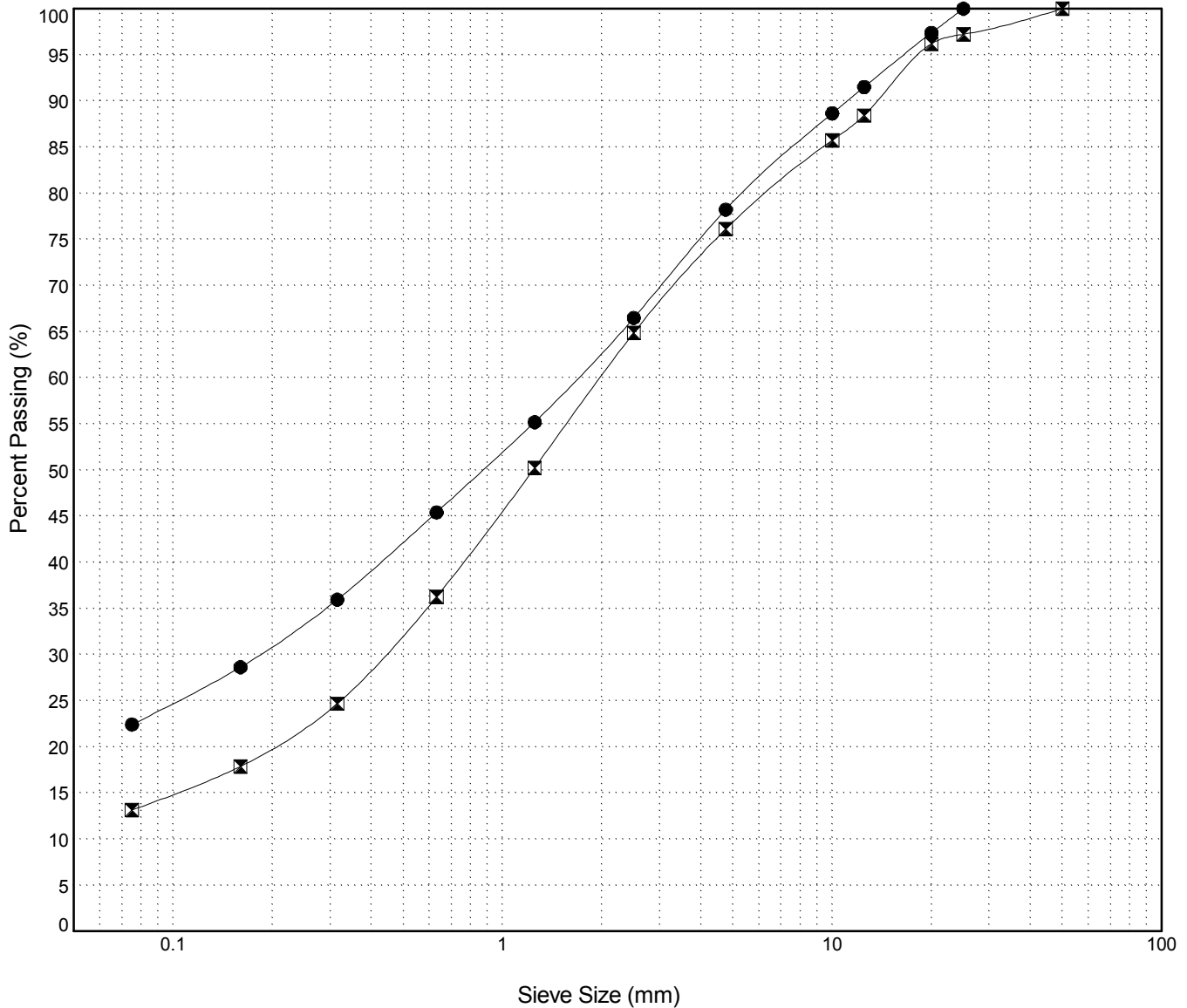


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4984
Darkside Drilling	km 1413.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723071.2m E499582.5m	ELEVATION: 863.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 102	815	4.0 to 5.0	SILTY SAND with GRAVEL(SM)	4.7	NP	NP	NP													
☒ 103	816	8.0 to 9.0	SILTY SAND with GRAVEL(SM)	5.1	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				
● 102	815	100.0	100.0	100.0	100.0	97.4	91.5	88.7	78.2	66.5	55.2	45.4	36.0	28.6	22.4	Gravel	Sand	Silt	Clay	
☒ 103	816	100.0	100.0	100.0	97.2	96.2	88.4	85.7	76.1	64.9	50.2	36.3	24.7	17.9	13.2	21.8	55.8	22.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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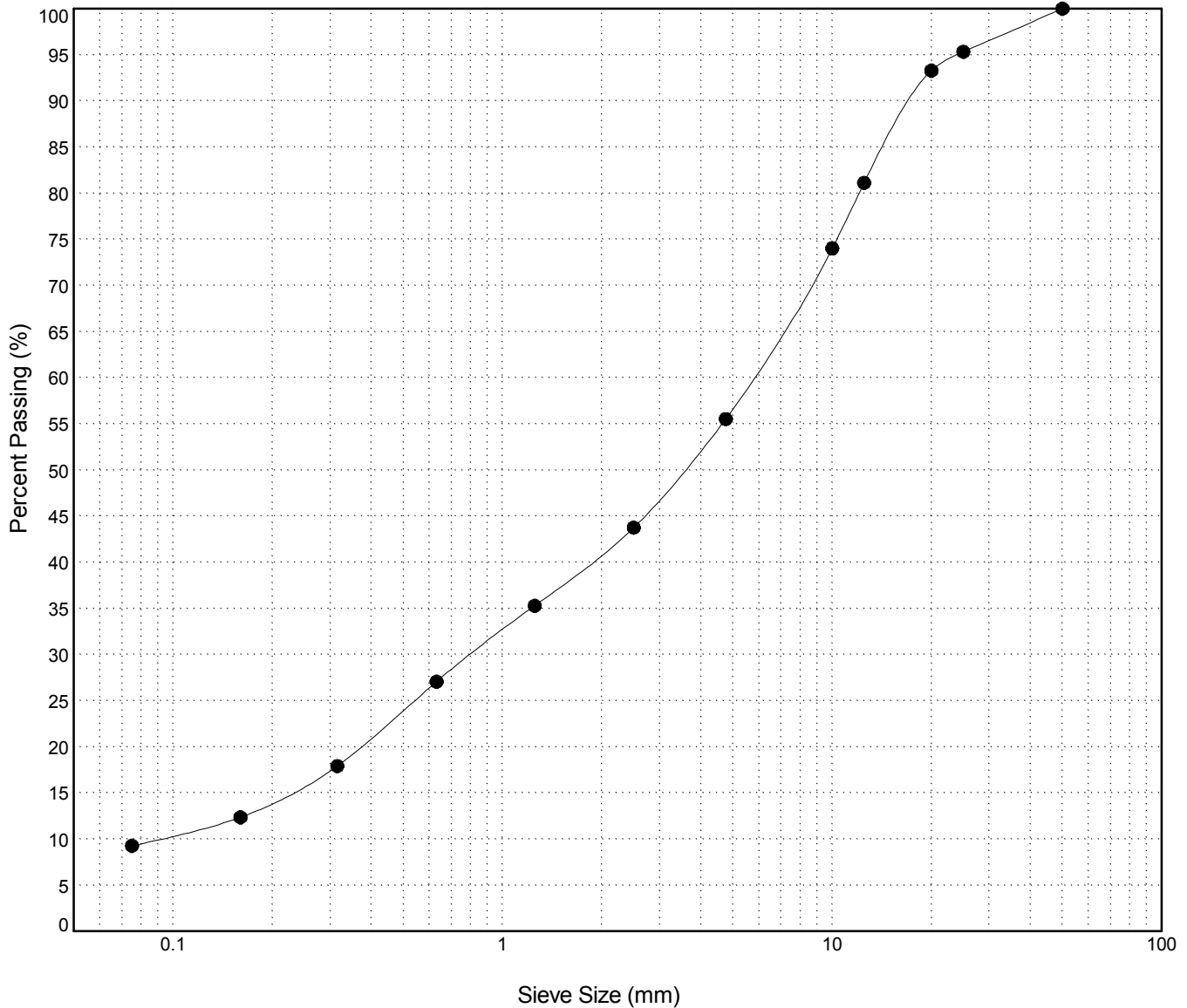
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4985
Darkside Drilling	km 1413.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723243.4m E499463.8m	ELEVATION: 870.4m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 105	818	2.0 to 3.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.8	NP	NP	NP	1.3	63.5										
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			
● 105	818	100.0	100.0	100.0	95.3	93.3	81.1	74.0	55.5	43.8	35.3	27.1	17.9	12.4	9.3	Gravel	Sand	Silt	Clay
																44.5	46.2	9.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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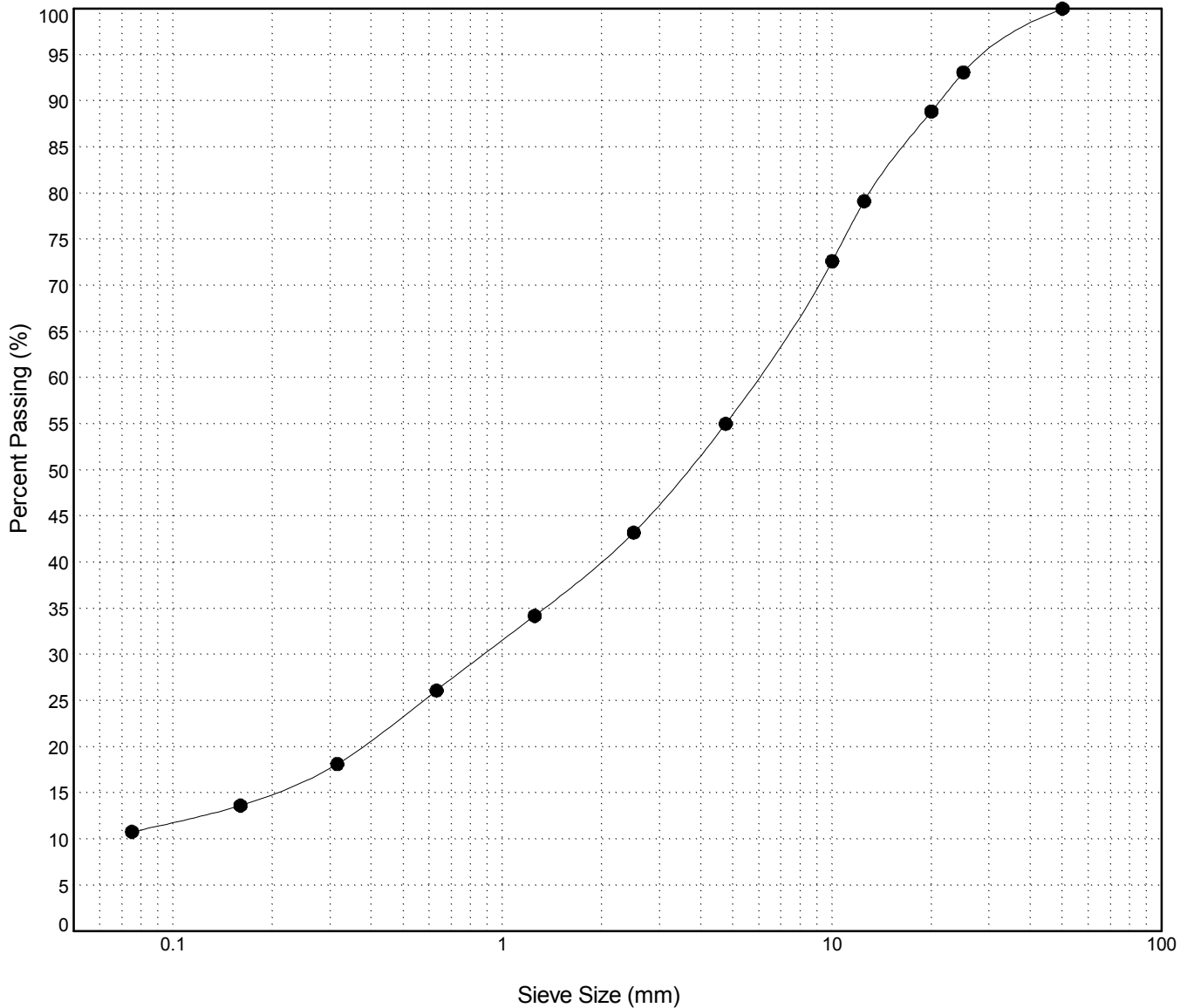
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4986
Darkside Drilling	km 1414.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723380.8m E499334.9m	ELEVATION: 868.7m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 107	820	7.0 to 8.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	2.4	NP	NP	NP	2.2	96.7										
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			
● 107	820	100.0	100.0	100.0	93.1	88.8	79.1	72.6	55.0	43.2	34.2	26.1	18.1	13.6	10.8	Gravel	Sand	Silt	Clay

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

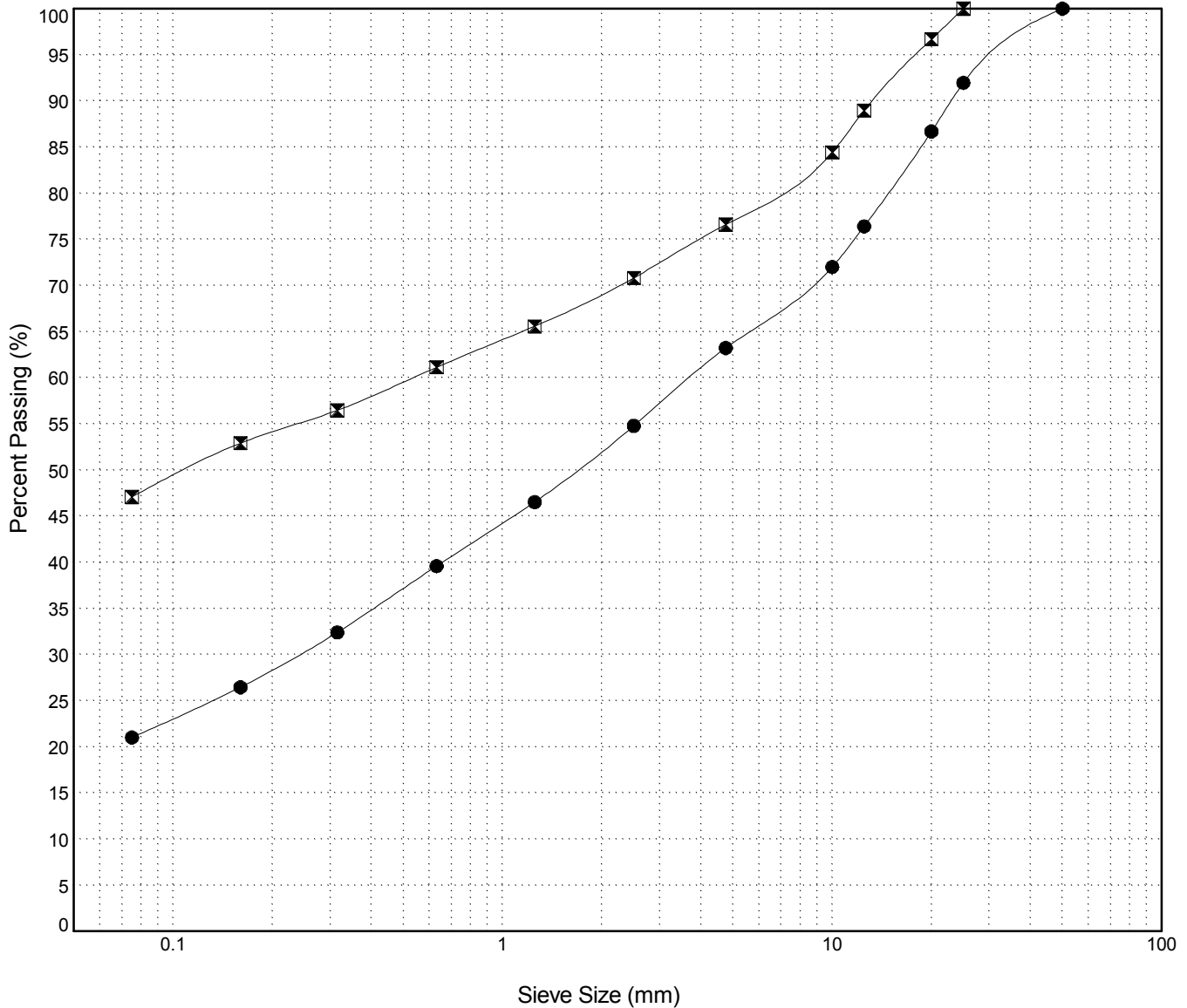


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4987
Darkside Drilling	km 1414.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723558.6m E499138.3m	ELEVATION: 870.3m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 108	821	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	4.0	NP	NP	NP													
☒ 109	822	6.0 to 7.0	SILTY SAND with GRAVEL(SM)	8.0	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				
● 108	821	100.0	100.0	100.0	92.0	86.7	76.4	72.0	63.2	54.8	46.5	39.6	32.4	26.5	21.0	Gravel	Sand	Silt	Clay	
☒ 109	822	100.0	100.0	100.0	100.0	96.7	89.0	84.4	76.6	70.8	65.6	61.1	56.5	52.9	47.1	23.4	29.5	47.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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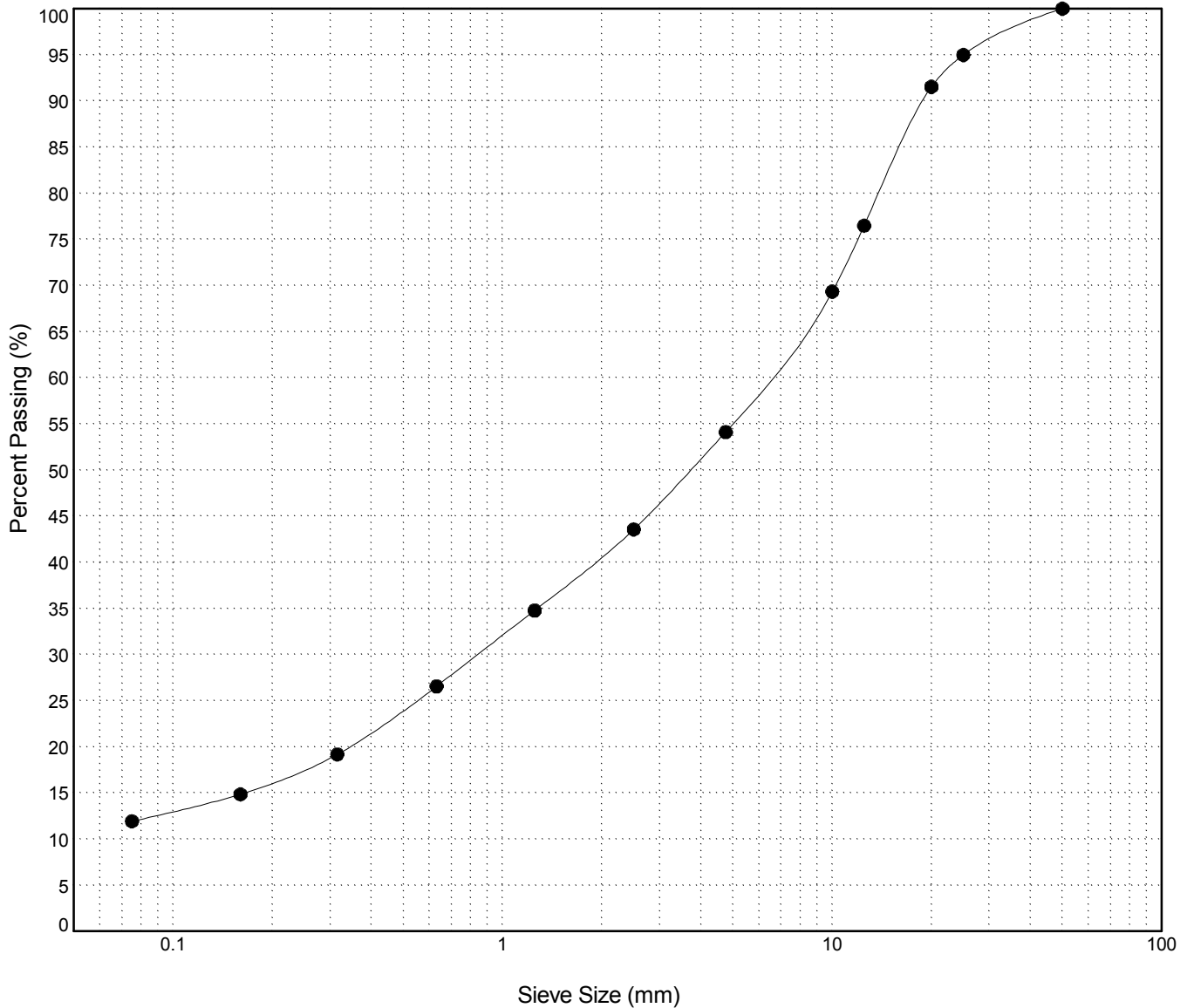
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4988
Darkside Drilling	km 1414.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723694.5m E498932.6m	ELEVATION: 867m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 110	823	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	2.7	NP	NP	NP	2.4	139.2										
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			
● 110	823	100.0	100.0	100.0	95.0	91.5	76.5	69.3	54.1	43.6	34.8	26.6	19.2	14.9	11.9	Gravel	Sand	Silt	Clay
																45.9	42.2	11.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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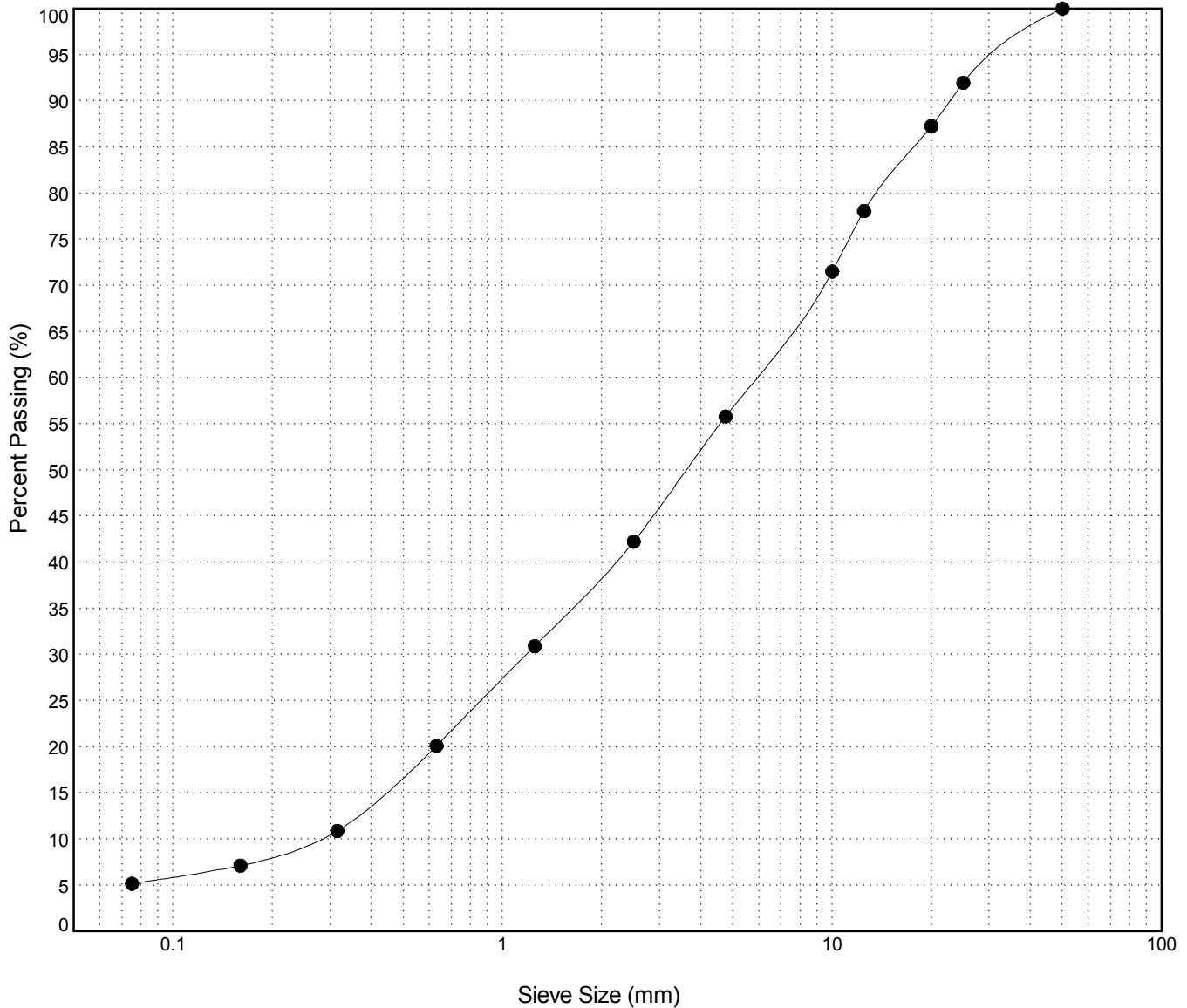
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4989
Darkside Drilling	km 1415	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V Nm Em	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 113	826	9.0 to 10.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.6	NP	NP	NP	0.9	21.6										
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			
● 113	826	100.0	100.0	100.0	92.0	87.3	78.1	71.5	55.8	42.3	30.9	20.1	10.9	7.1	5.2	Gravel	Sand	Silt	Clay
																44.2	50.6	5.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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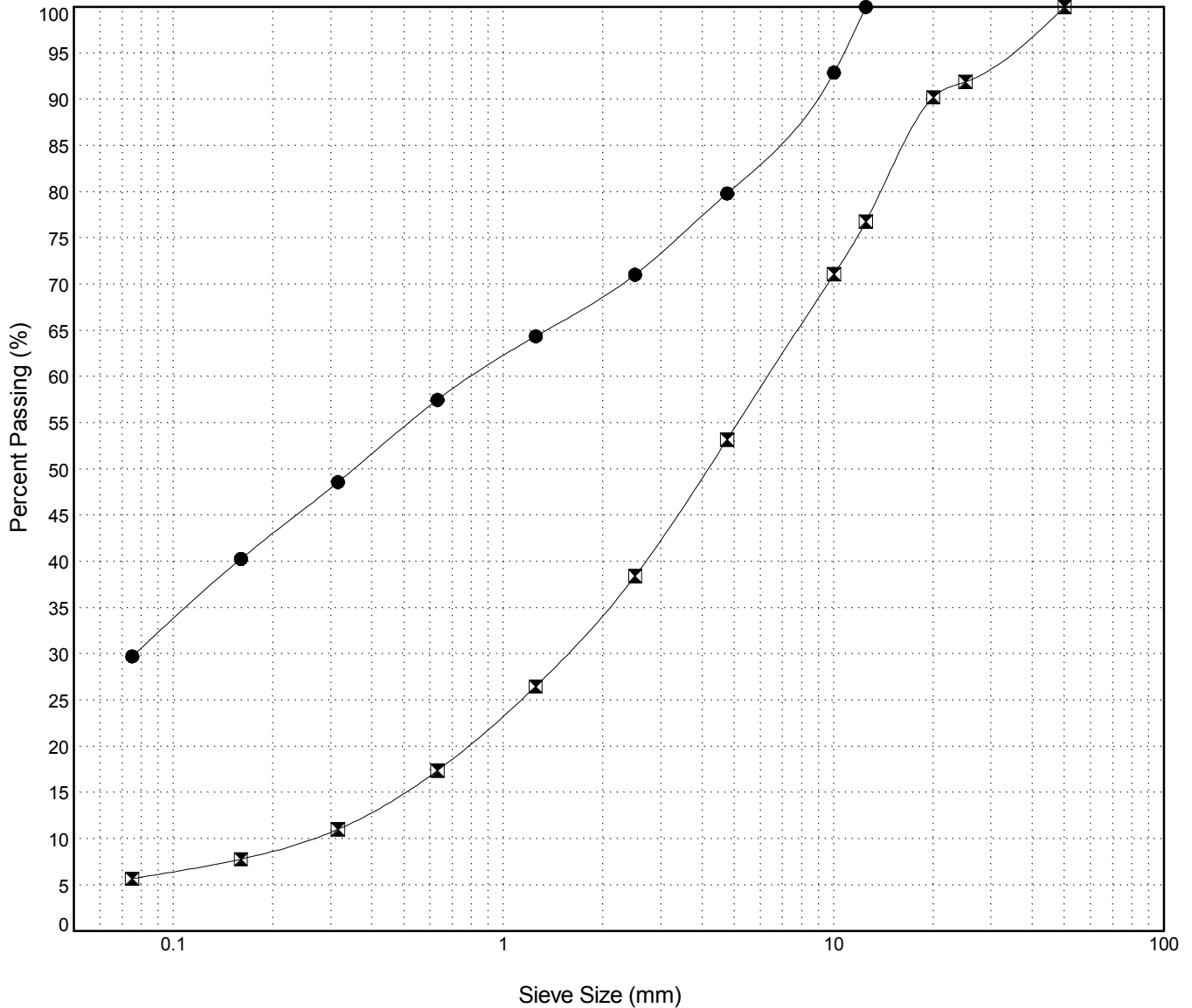
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4990
Darkside Drilling	km 1415.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6723884.8m E498627.3m	ELEVATION: 849.9m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 114	827	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	4.5	NP	NP	NP												
☒ 115	828	7.0 to 8.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.4	NP	NP	NP	1.5	24.8										
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			
● 114	827	100.0	100.0	100.0	100.0	100.0	100.0	92.9	79.8	71.0	64.4	57.5	48.6	40.3	29.7	Gravel	Sand	Silt	Clay
☒ 115	828	100.0	100.0	100.0	91.9	90.2	76.8	71.1	53.2	38.4	26.5	17.4	11.0	7.8	5.7	46.8	47.5	5.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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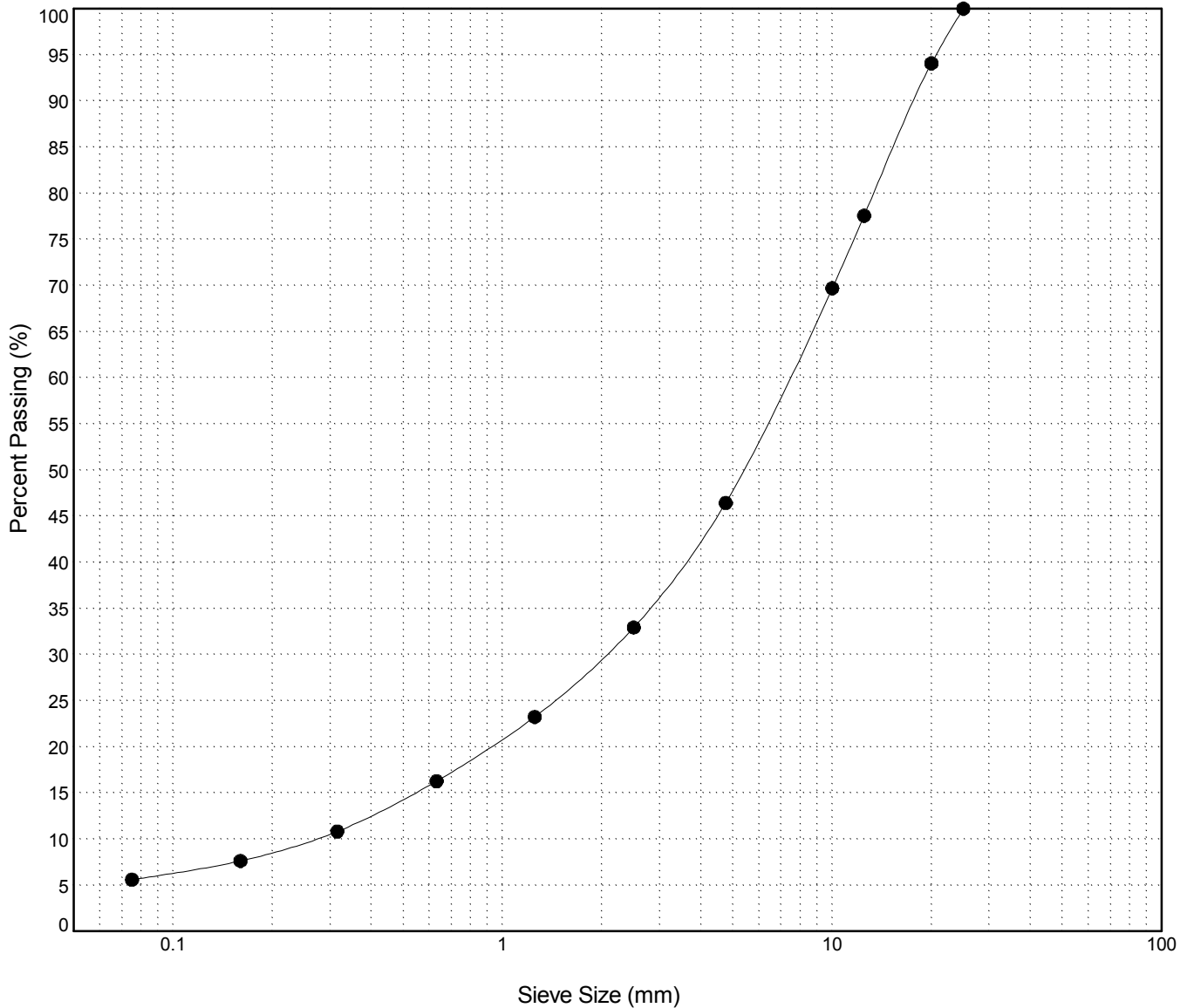
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4993
Darkside Drilling	km 1415.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6724475.6m E497949.7m	ELEVATION: 855.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 119	832	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.0	NP	NP	NP	2.1	27.7											
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				
● 119	832	100.0	100.0	100.0	100.0	94.1	77.6	69.7	46.4	32.9	23.2	16.3	10.8	7.6	5.6	Gravel	Sand	Silt	Clay	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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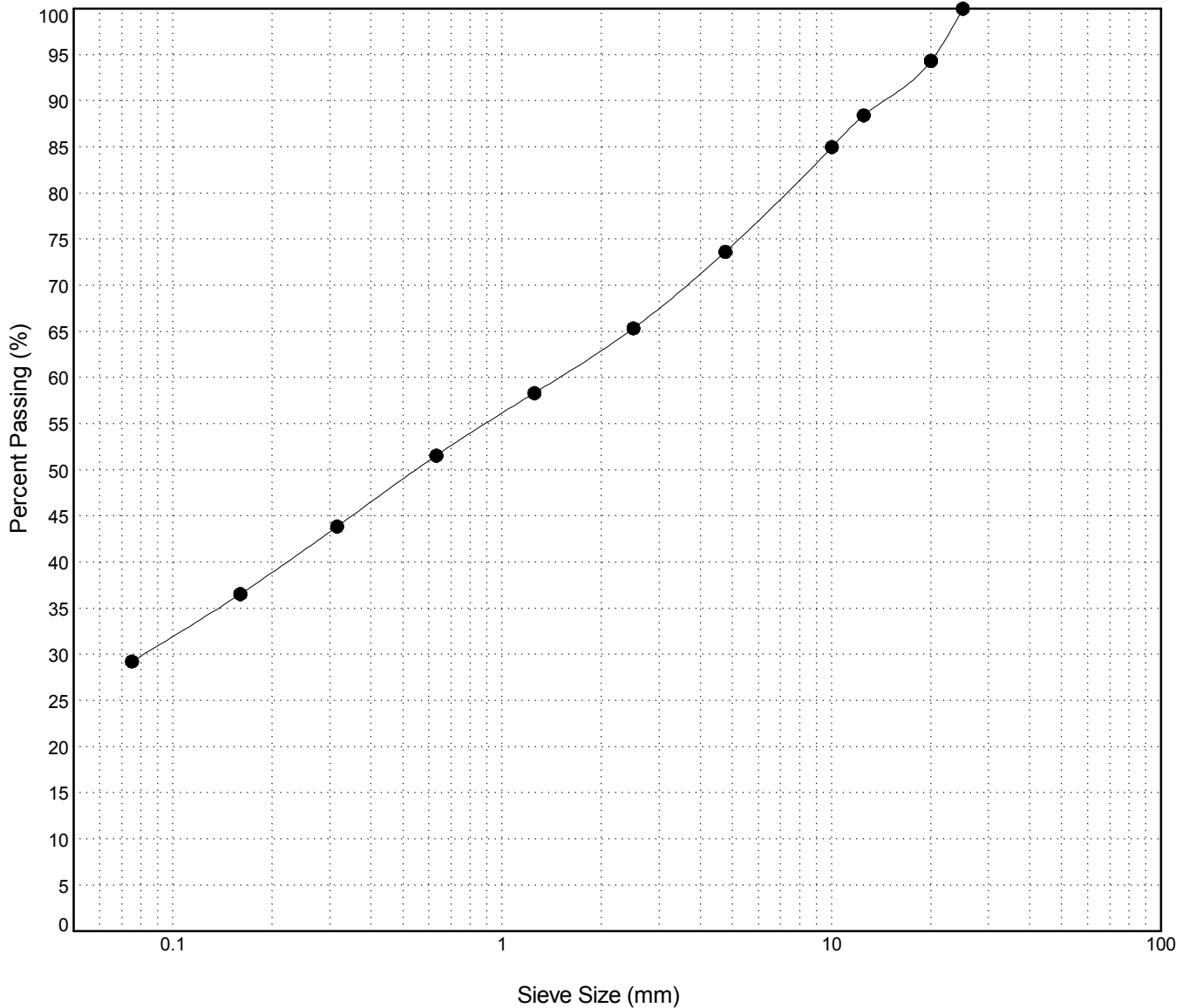
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4995
Darkside Drilling	km 1416.35	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6724910.3m E497818.5m	ELEVATION: 852.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 124	837	8.0 to 9.0	SILTY SAND with GRAVEL(SM)											4.6	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			
● 124	837	% PASSING	100.0	100.0	100.0	100.0	94.3	88.4	85.0	73.6	65.4	58.3	51.6	43.9	36.6	29.2	Gravel	Sand	Silt	Clay
																	26.4	44.4	29.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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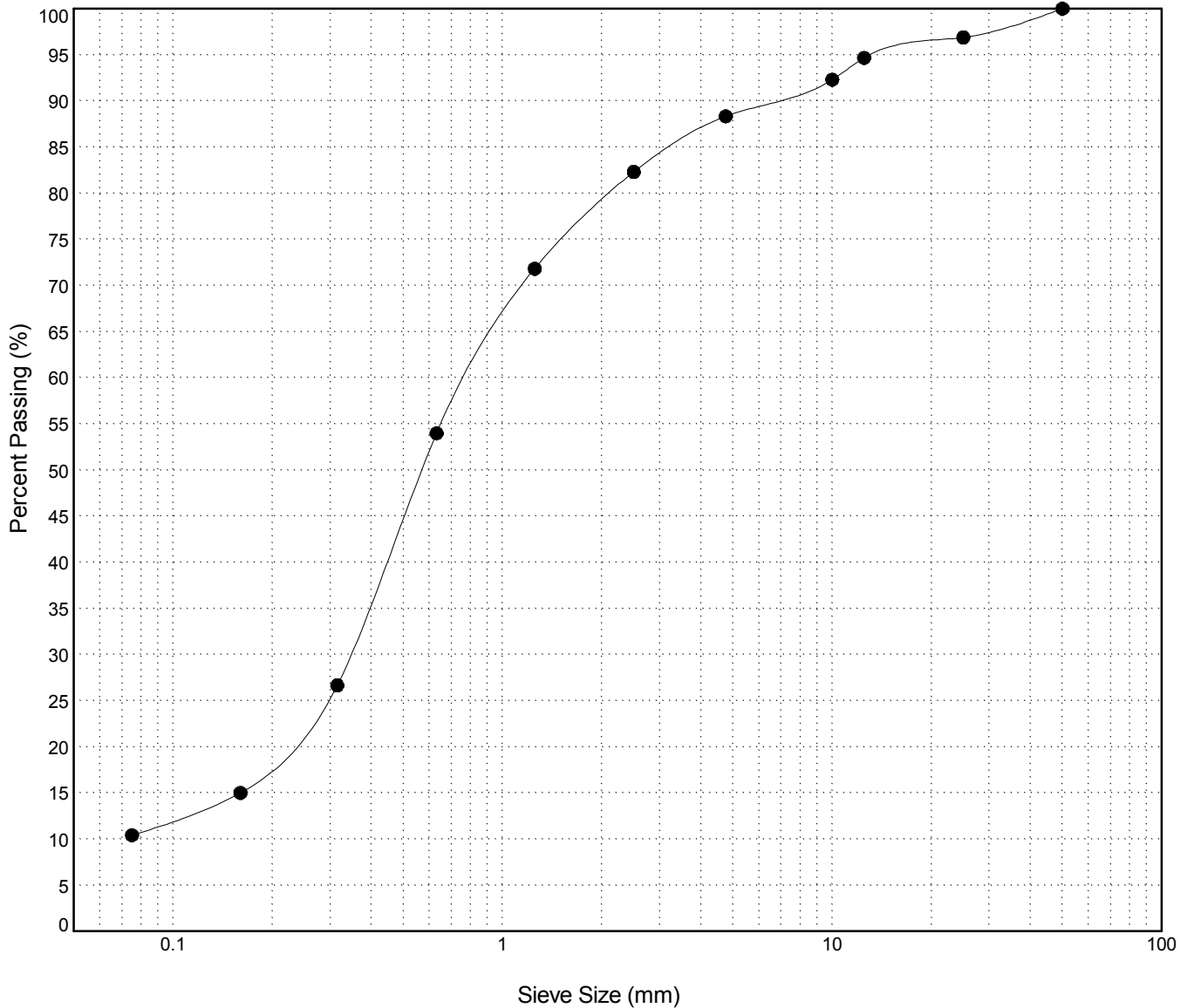
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4996
Darkside Drilling	km 1416.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6725350.3m E497700m	ELEVATION: 849.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 126	839	7.0 to 9.0	WELL-GRADED SAND with SILT (SW-SM)	2.4	NP	NP	NP	2.1	11.3										
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			
● 126	839	100.0	100.0	100.0	96.9	96.2	94.7	92.3	88.3	82.3	71.8	54.0	26.7	15.0	10.4	Gravel	Sand	Silt	Clay

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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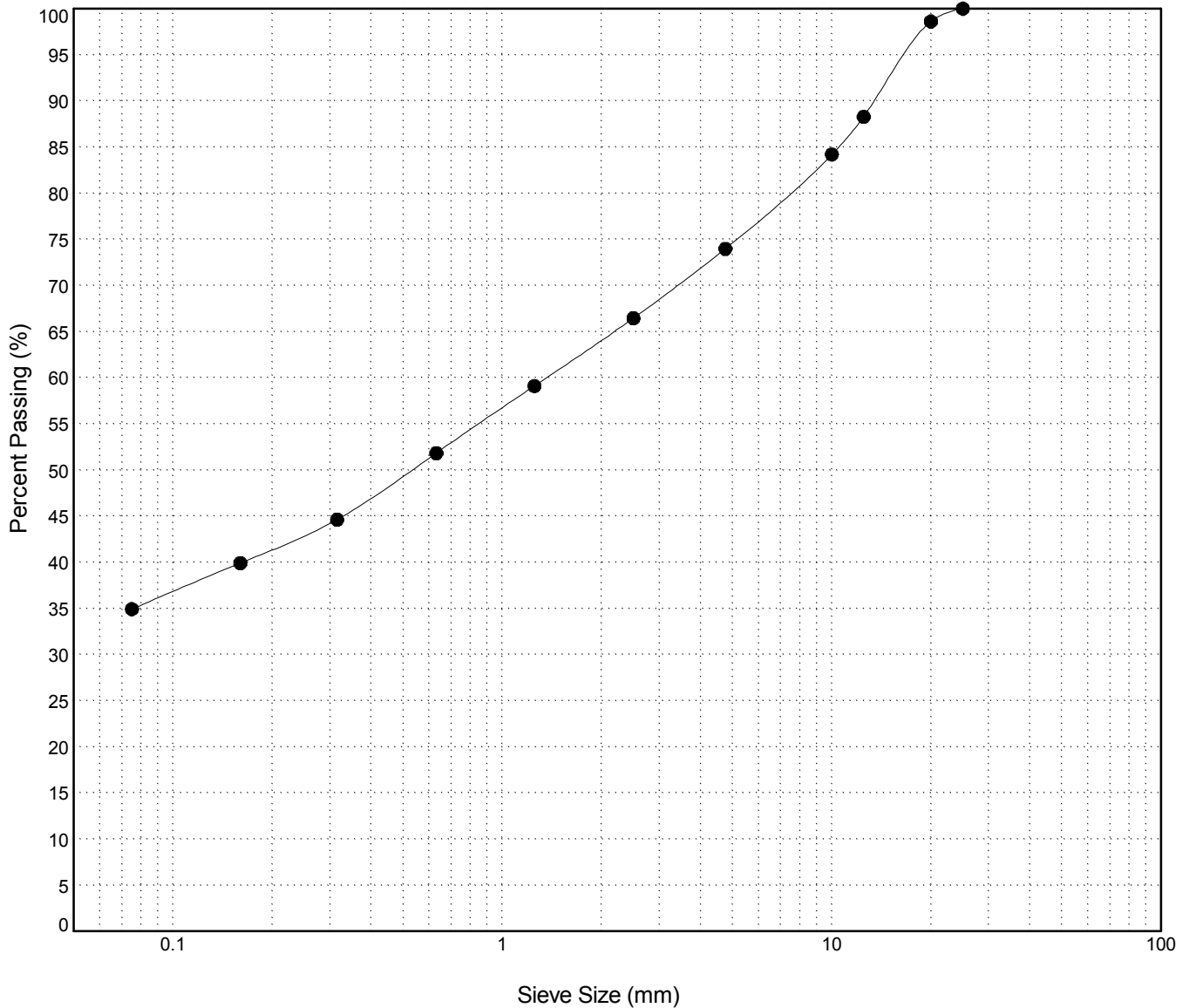
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4997
Darkside Drilling	km 1416.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6725347.8m E497699.3m	ELEVATION: 849m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 128	841	6.0 to 8.0	SILTY SAND with GRAVEL(SM)											7.3	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			
● 128	841	% PASSING	100.0	100.0	100.0	100.0	98.6	88.3	84.2	74.0	66.5	59.1	51.8	44.6	39.9	34.9	Gravel	Sand	Silt	Clay
																	26.0	39.0	34.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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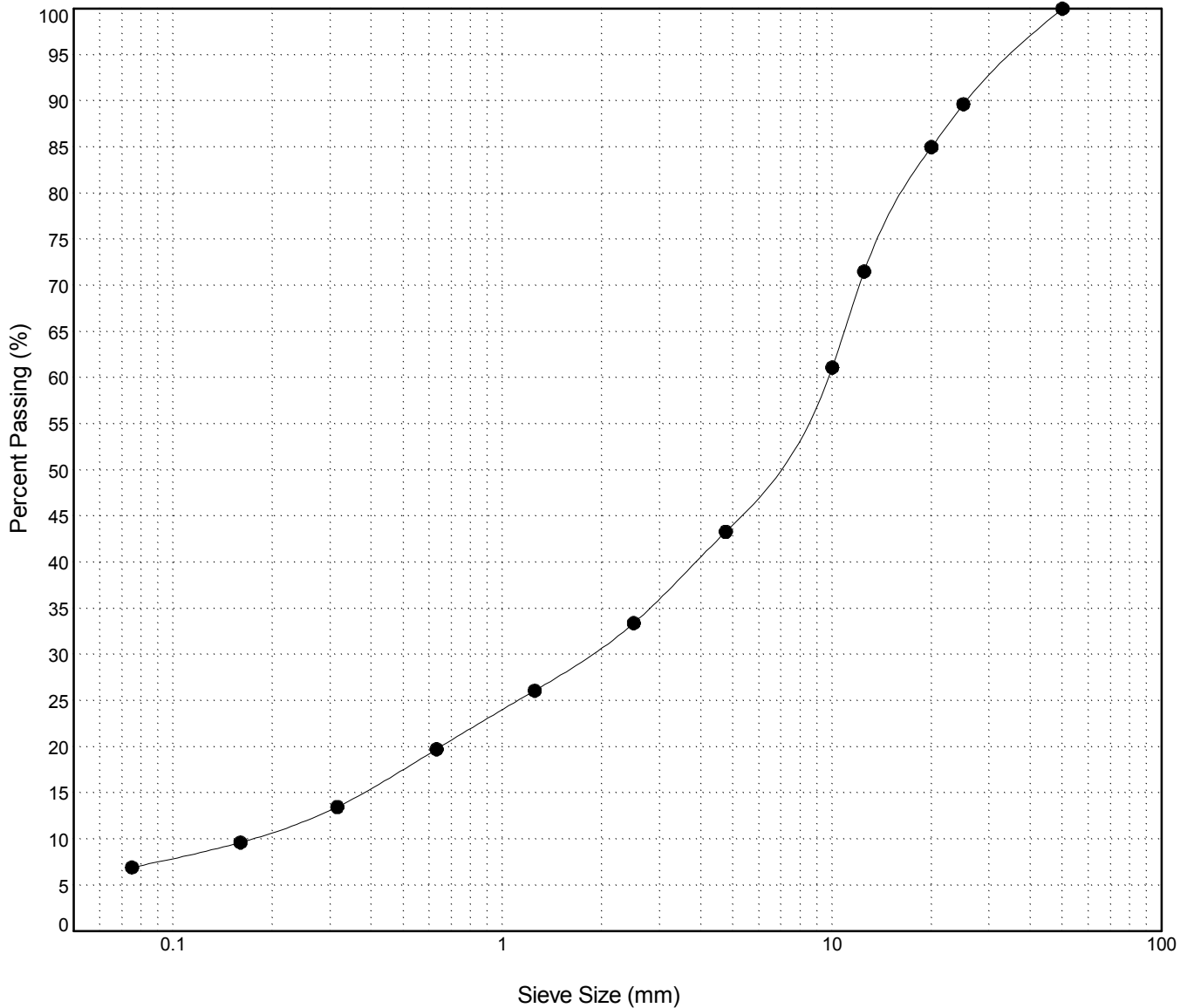
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 843-4998
Darkside Drilling	km 1417	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6725533.5m E497649.6m	ELEVATION: 846.7m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 129	842	3.0 to 4.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	4.0	NP	NP	NP	2.0	55.9										
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			
● 129	842	100.0	100.0	100.0	89.6	85.0	71.5	61.1	43.3	33.4	26.1	19.7	13.5	9.6	6.9	Gravel	Sand	Silt	Clay
																56.7	36.4	6.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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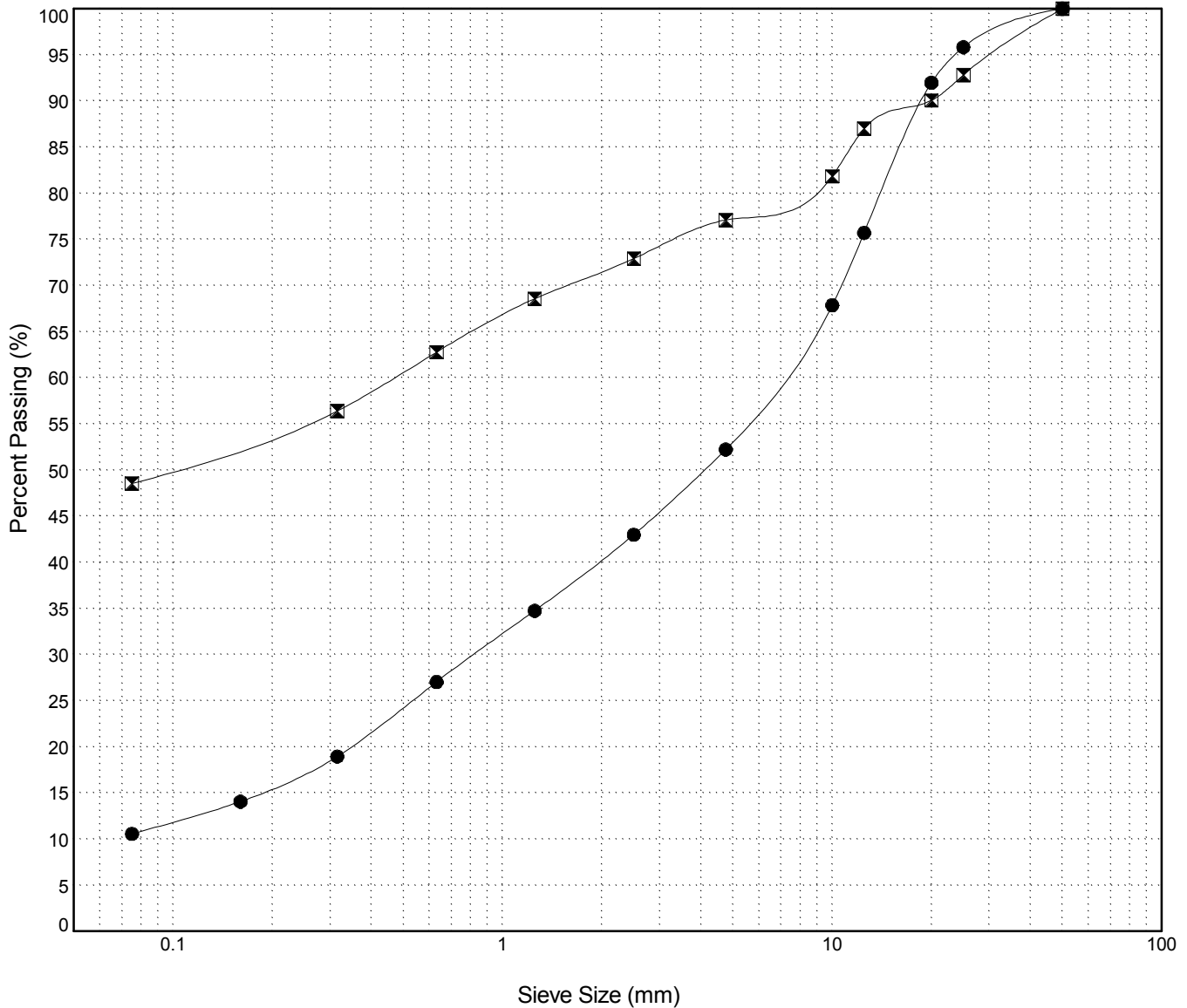
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5000
Darkside Drilling	km 1417.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6726124m E497334.7m	ELEVATION: 847.1m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 131	844	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.3	NP	NP	NP	1.5	103.9											
☒ 132	845	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	6.2	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				
● 131	844	100.0	100.0	100.0	95.8	92.0	75.7	67.9	52.2	43.0	34.7	27.0	18.9	14.1	10.6	Gravel	Sand	Silt	Clay	
☒ 132	845	100.0	100.0	100.0	92.8	90.1	87.0	81.8	77.1	72.9	68.5	62.8	56.4	52.7	48.5	22.9	28.6	48.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

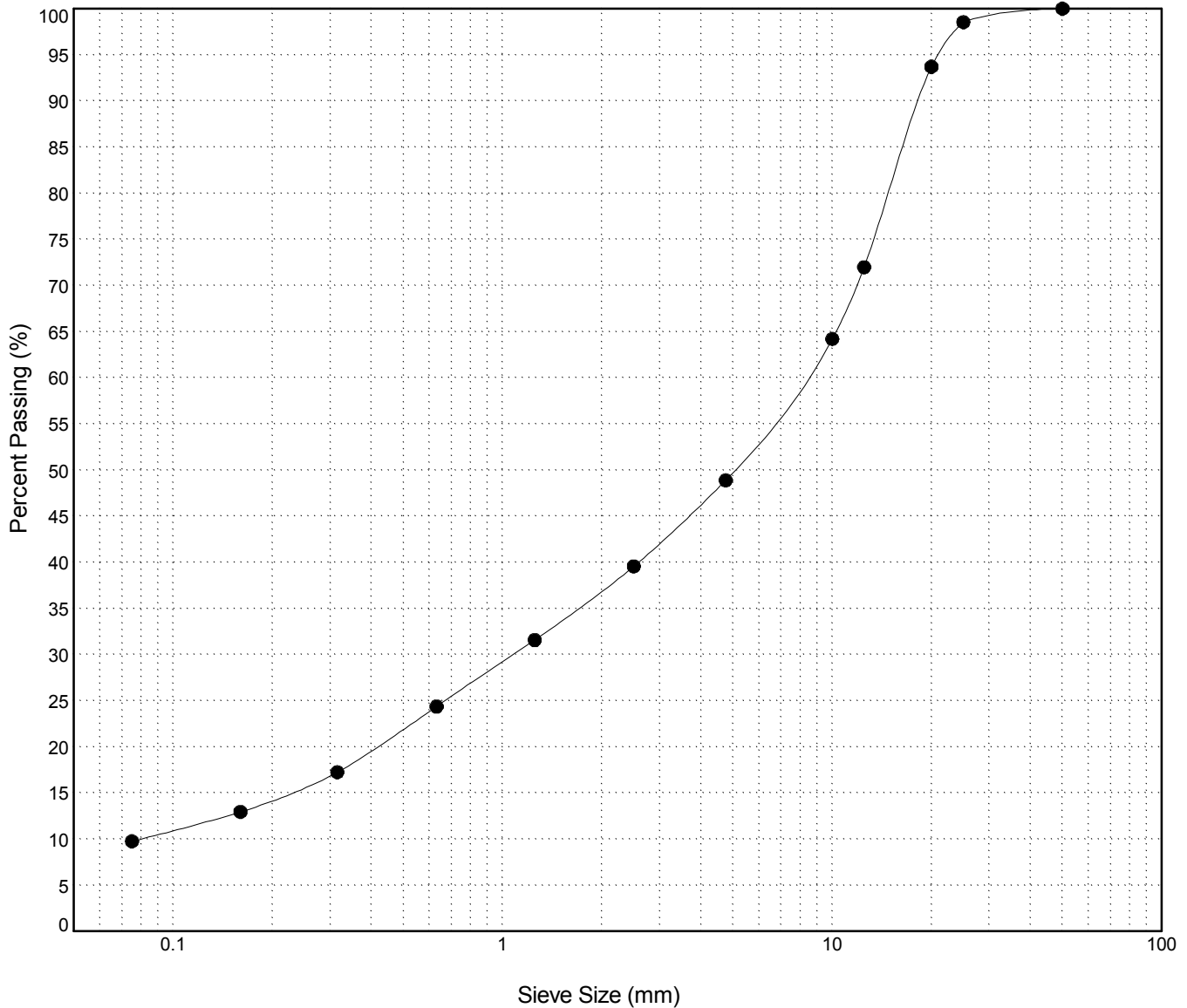


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5001
Darkside Drilling	km 1417.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V Nm Em	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 134	847	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.5	NP	NP	NP	1.8	102.7										
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			
● 134	847	100.0	100.0	100.0	98.5	93.7	72.0	64.2	48.9	39.6	31.6	24.4	17.3	12.9	9.8	Gravel	Sand	Silt	Clay
																51.1	39.1	9.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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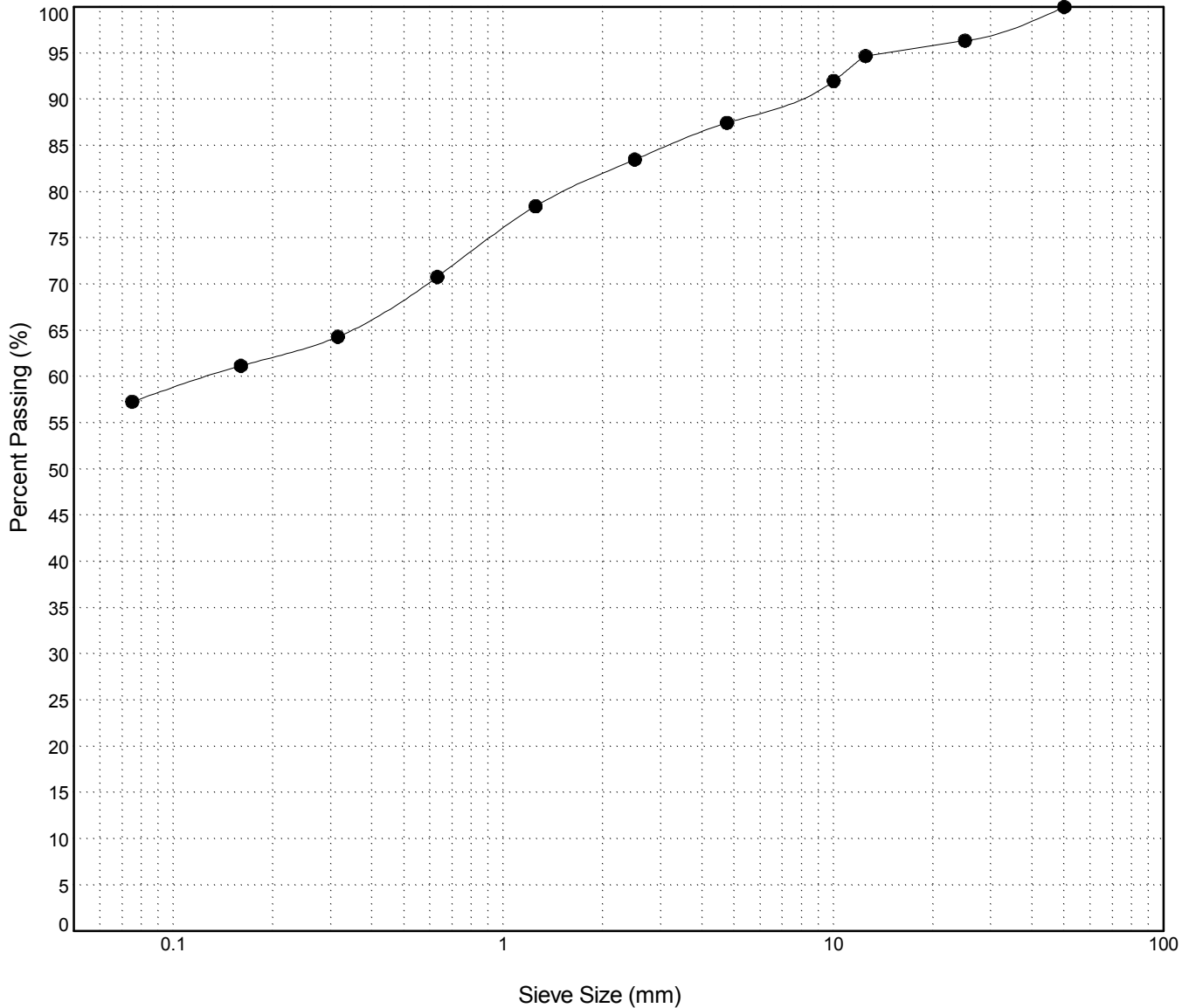
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5002
Darkside Drilling	km 1417.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6726306.8m E497222.9m	ELEVATION: 854.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 136	849	15.0 to 16.0	SANDY SILT (ML)											9.9	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				
● 136	849	100.0	100.0	100.0	96.3	95.8	94.7	92.0	87.5	83.5	78.4	70.8	64.3	61.2	57.3	Gravel	Sand	Silt	Clay	
																12.5	30.2	57.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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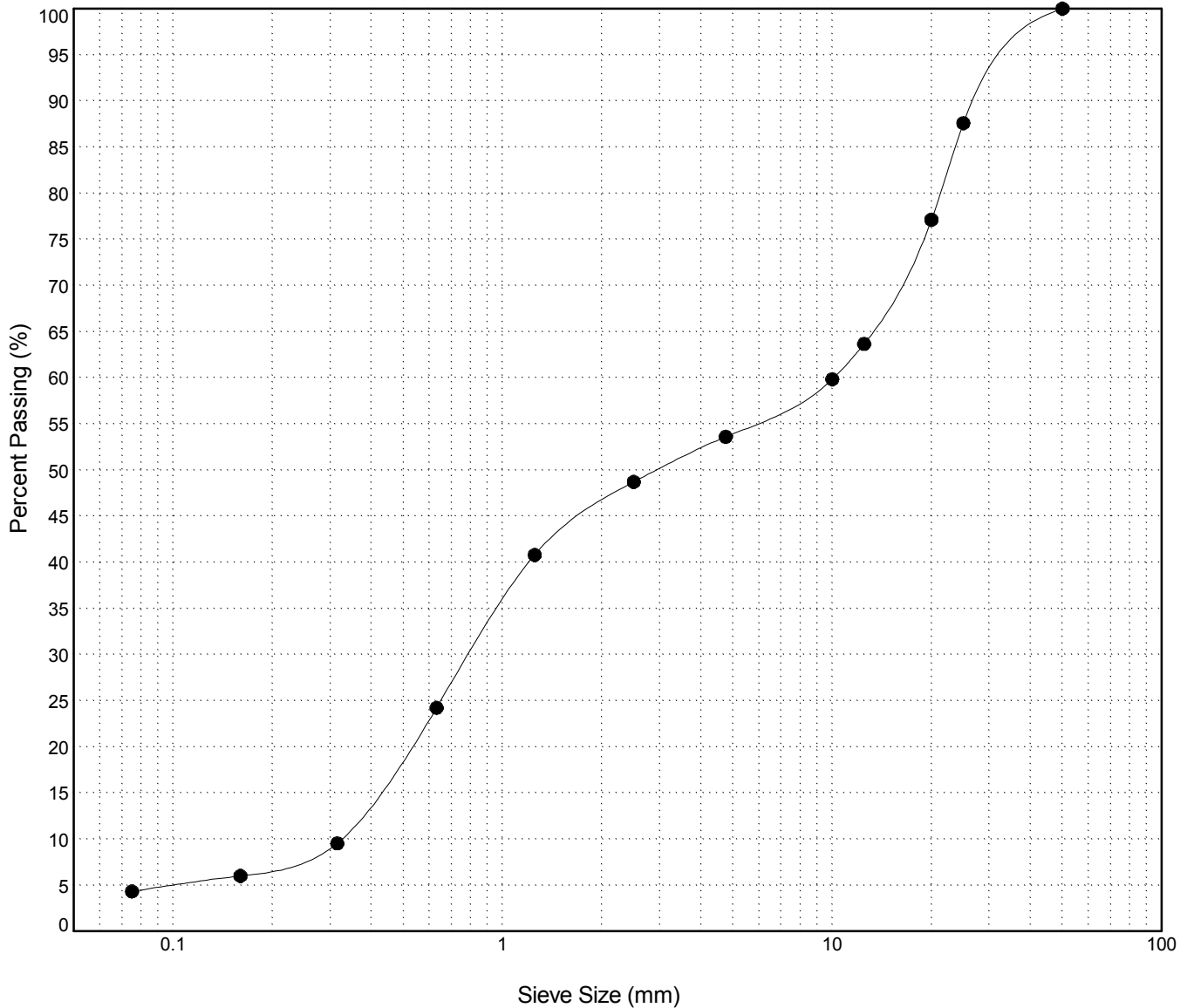
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5003
Darkside Drilling	km 1418.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6726479.1m E497129.7m	ELEVATION: 837m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 138	851	8.0 to 9.0	POORLY GRADED SAND with GRAVEL(SP)	1.5	NP	NP	NP	0.2	31.4										
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			
● 138	851	100.0	100.0	100.0	87.6	77.1	63.7	59.8	53.6	48.7	40.8	24.2	9.5	6.0	4.3	Gravel	Sand	Silt	Clay

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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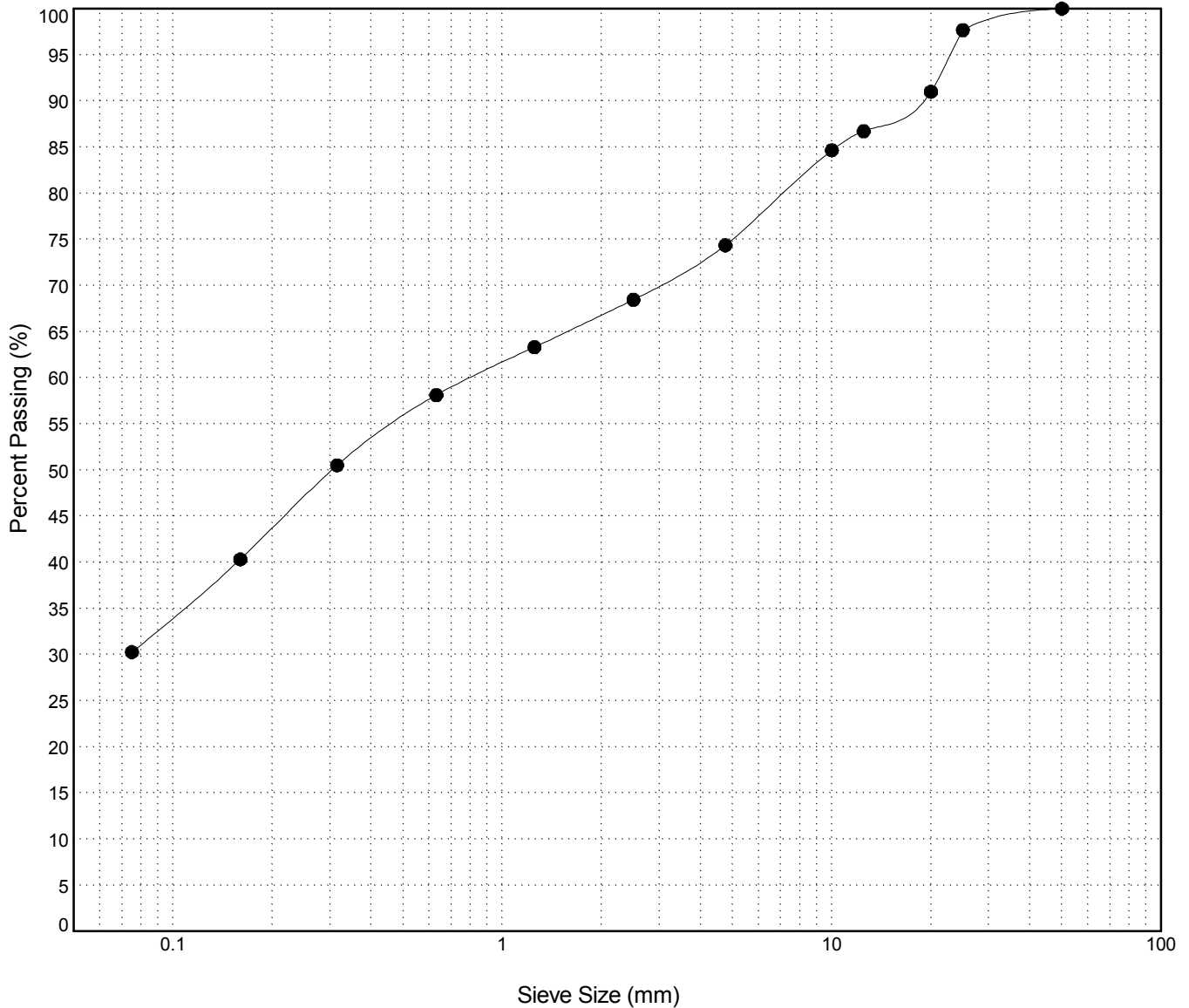
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5004
Darkside Drilling	km 1418.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6726653.5m E497055.4m	ELEVATION: 835.2m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 140	853	8.0 to 9.0	SILTY SAND with GRAVEL(SM)											5.0	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			
● 140	853	% PASSING	100.0	100.0	100.0	97.7	91.0	86.7	84.7	74.4	68.5	63.3	58.1	50.5	40.3	30.3	Gravel	Sand	Silt	Clay
																	25.6	44.1	30.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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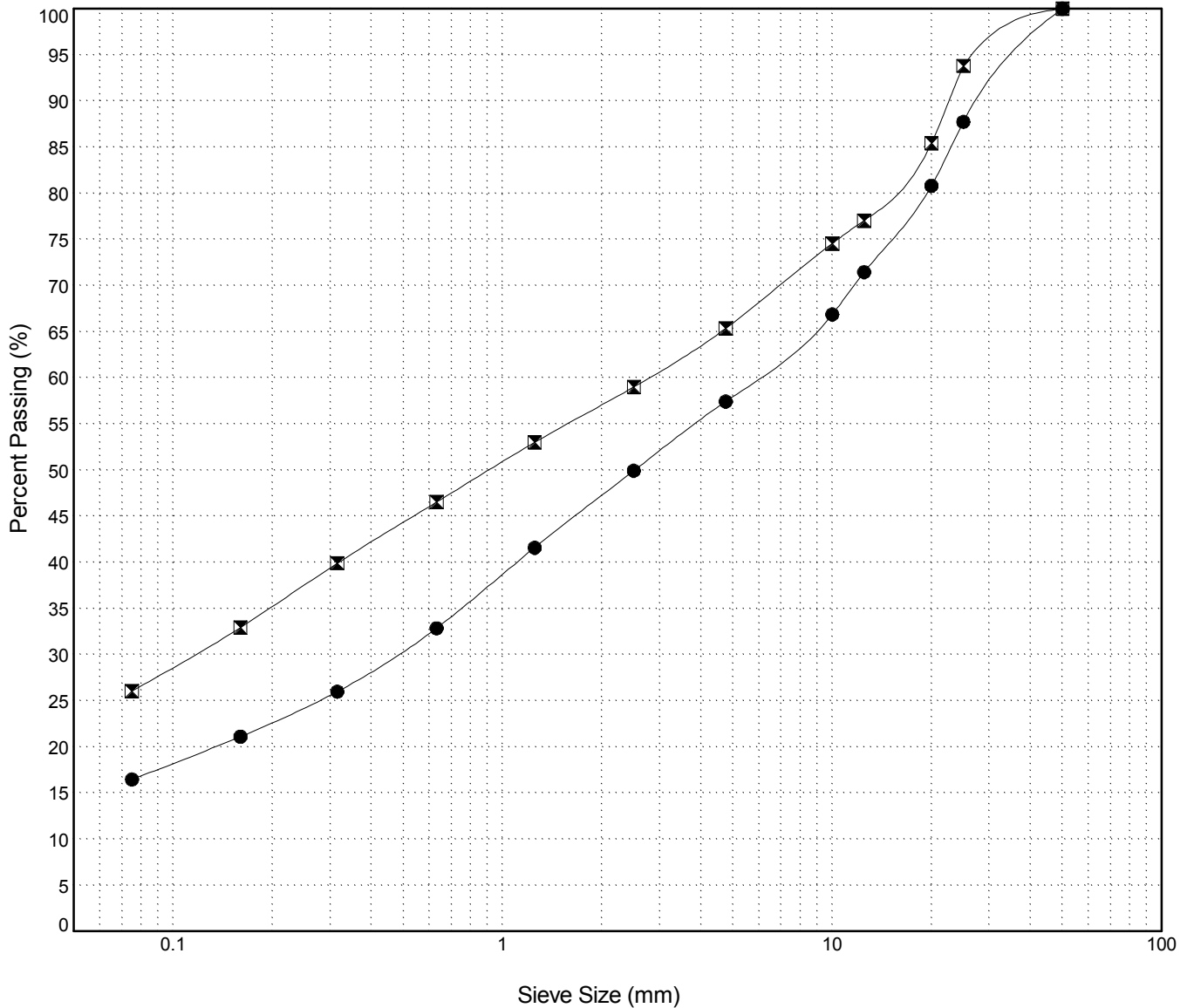
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5005
Darkside Drilling	km 1418.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6726896.3m E496973.2m	ELEVATION: 836.4m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 142	855	6.0 to 7.0	SILTY GRAVEL with SAND(GM)	0.7	NP	NP	NP													
☒ 143	856	12.0 to 14.0	SILTY SAND with GRAVEL(SM)	6.4	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				
● 142	855	100.0	100.0	100.0	87.7	80.8	71.4	66.9	57.4	49.9	41.6	32.8	26.0	21.1	16.5	Gravel	Sand	Silt	Clay	
☒ 143	856	100.0	100.0	100.0	93.8	85.4	77.0	74.5	65.3	59.0	53.0	46.5	39.9	32.9	26.0	34.7	39.3	16.5	26.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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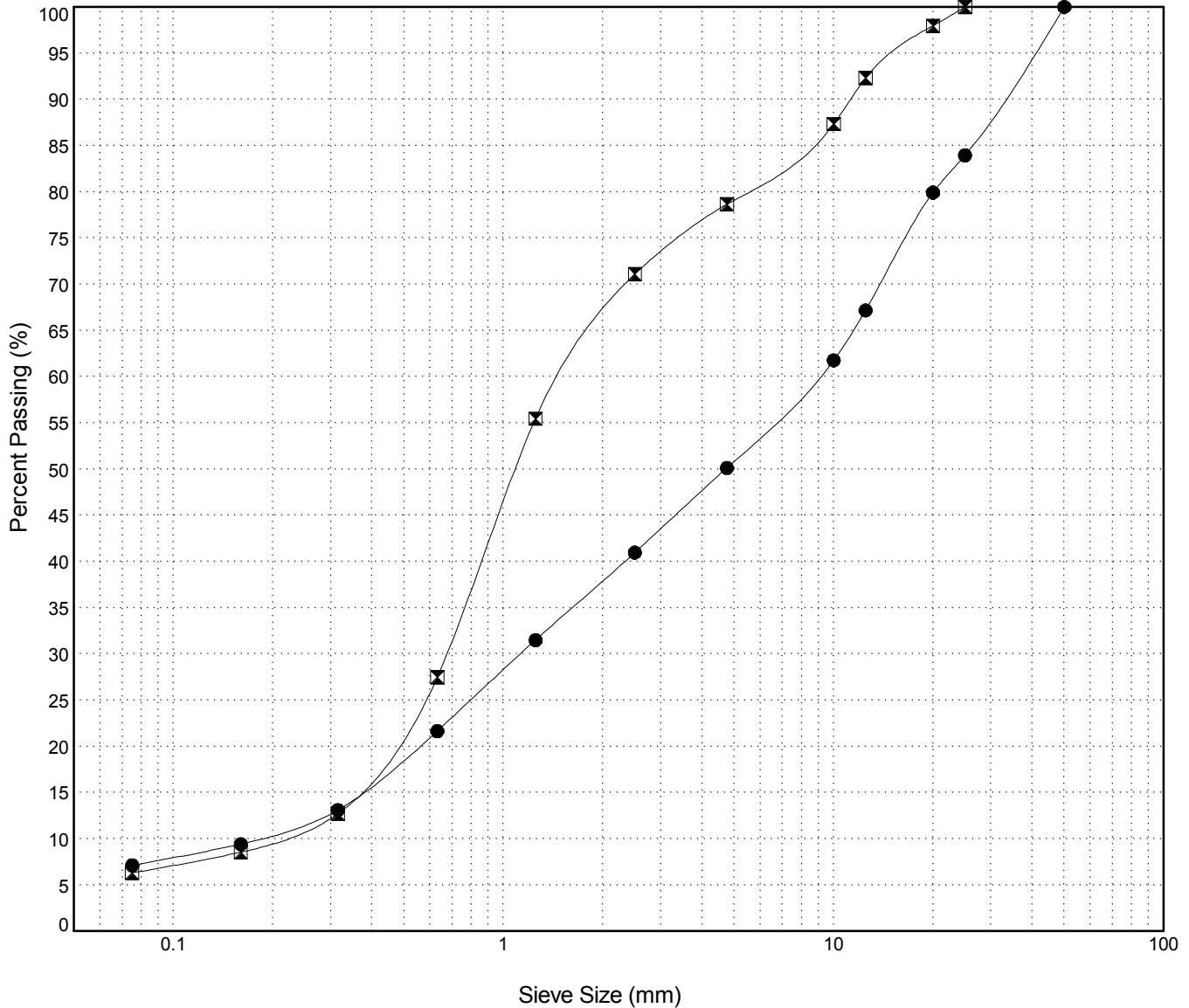
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5006
Darkside Drilling	km 1418.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6727122.9m E496912m	ELEVATION: 832.2m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 144	857	1.0 to 3.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.1	NP	NP	NP	0.8	50.3
☒ 145	858	8.0 to 9.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	0.9	NP	NP	NP	1.4	7.6

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	
● 144	857	100.0	100.0	100.0	100.0	83.9	79.9	67.2	61.8	50.1	41.0	31.5	21.6	13.1	9.4	7.1	49.9	43.0	7.1		
☒ 145	858	100.0	100.0	100.0	100.0	98.0	92.3	87.3	78.6	71.1	55.5	27.5	12.7	8.6	6.3		21.4	72.3	6.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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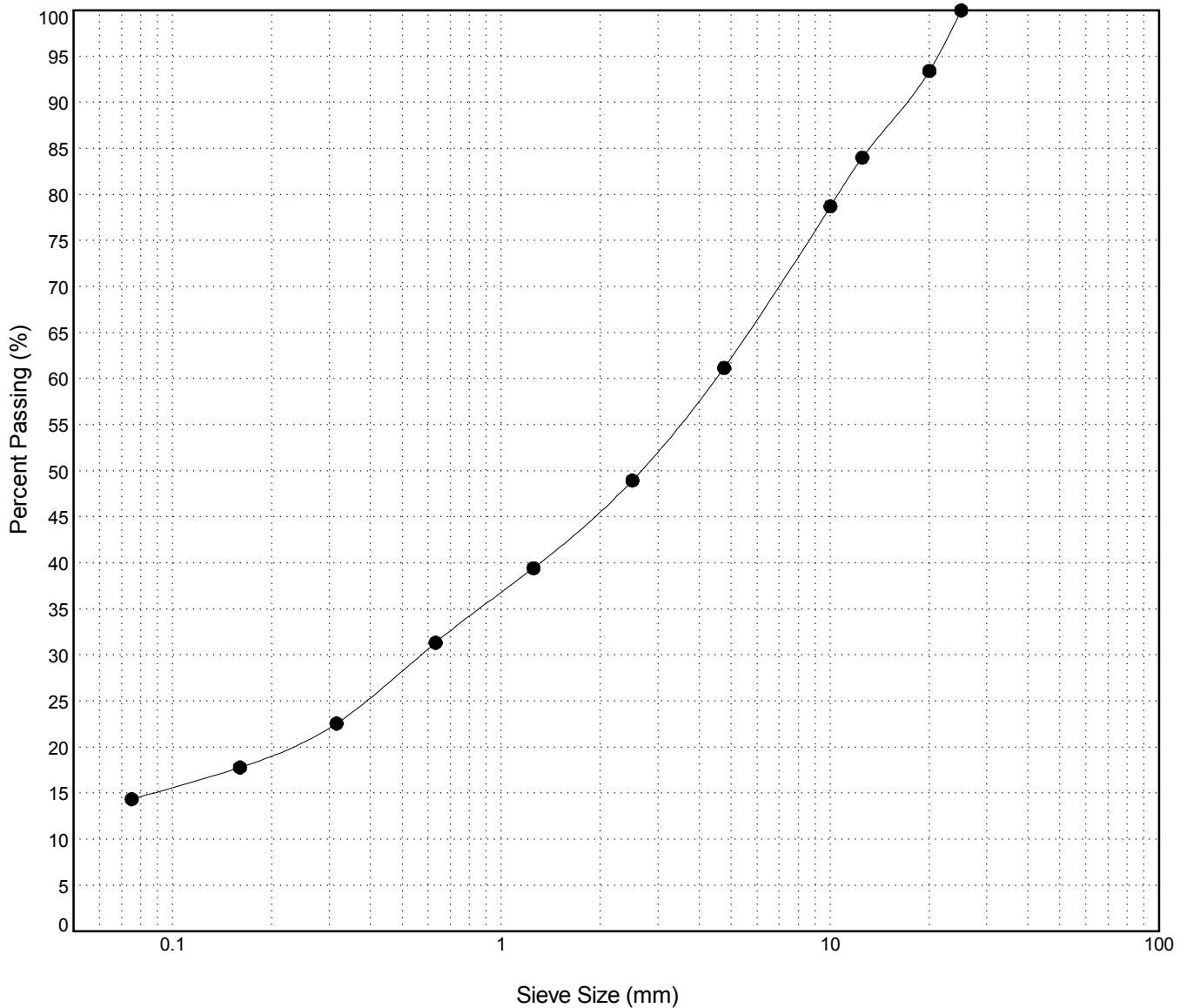
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5007
Darkside Drilling	km 1419	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6727311.2m E496852.7m	ELEVATION: 834.7m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 147	860	7.0 to 9.0	SILTY SAND with GRAVEL(SM)											2.0	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			
● 147	860	% PASSING	100.0	100.0	100.0	100.0	93.4	84.0	78.7	61.2	49.0	39.4	31.4	22.6	17.8	14.4	Gravel	Sand	Silt	Clay
																	38.8	46.8	14.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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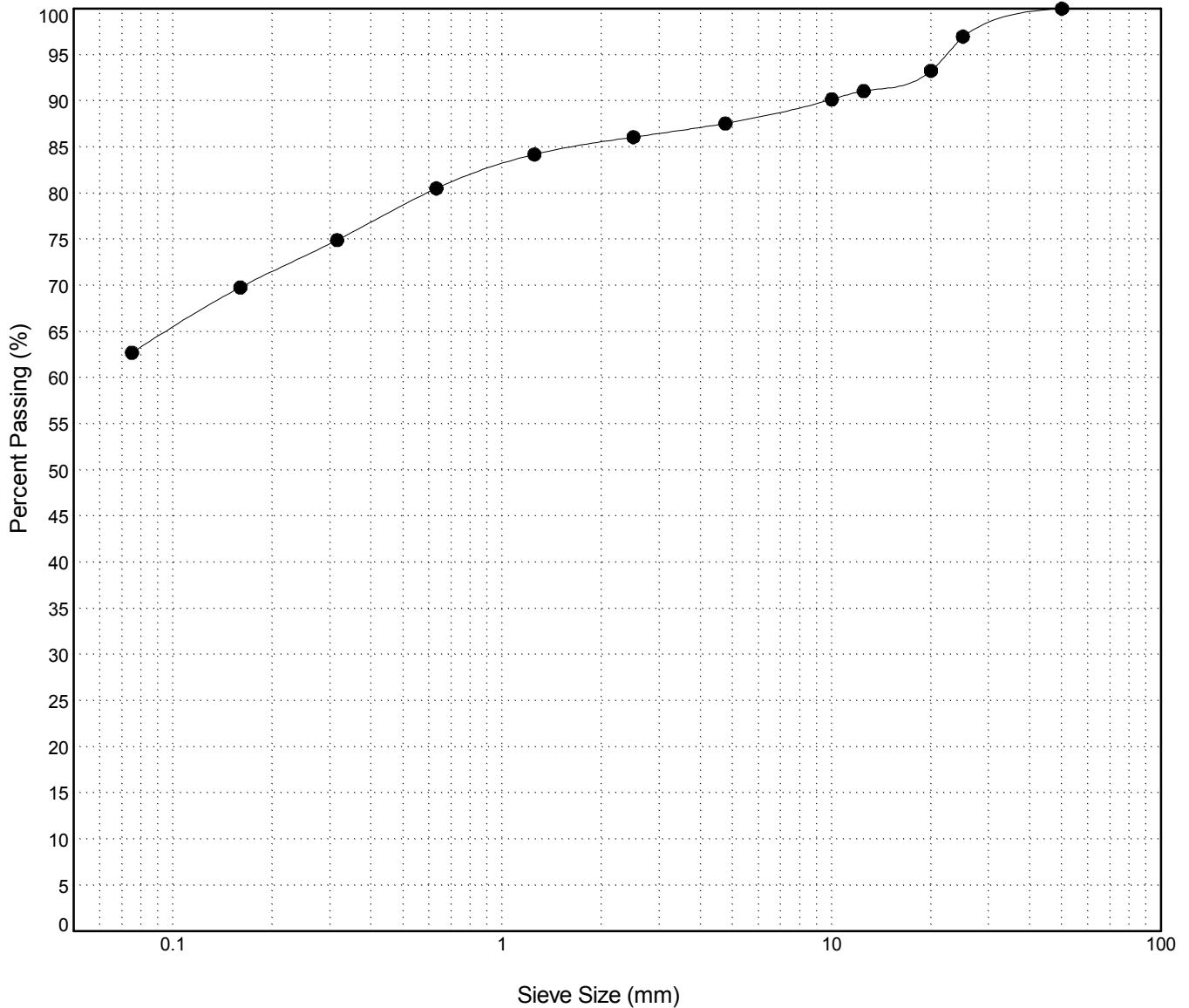
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5008
Darkside Drilling	km 1419.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6727957.8m E496671.1m	ELEVATION: 834.7m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 149	862	6.0 to 8.0	SANDY 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			
● 149	862	% PASSING	100.0	100.0	100.0	97.0	93.3	91.1	90.2	87.6	86.1	84.2	80.5	74.9	69.8	62.7	Gravel	Sand	Silt	Clay
																	12.4	24.8	62.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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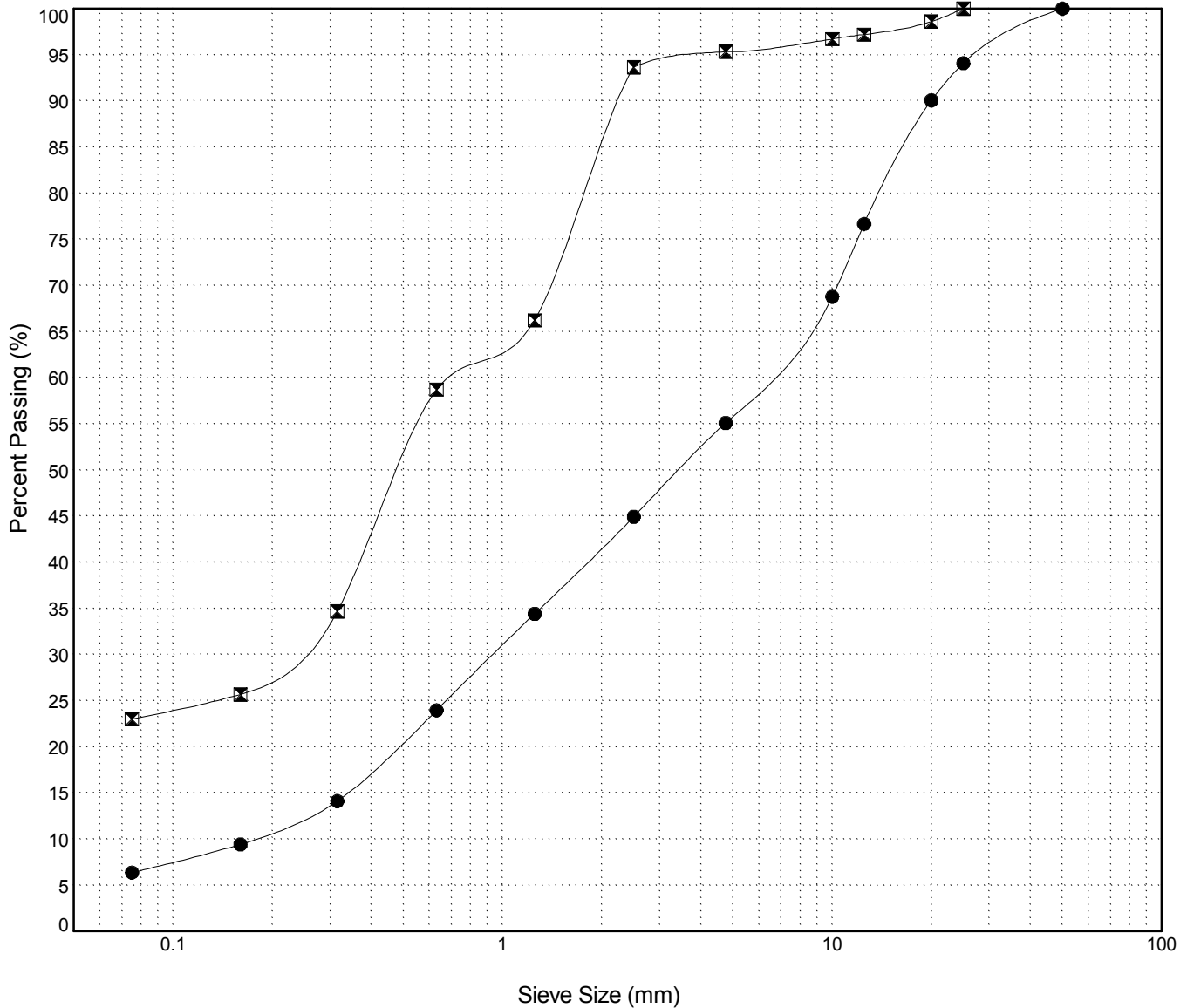
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5009
Darkside Drilling	km 1419.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6728099.3m E496624.5m	ELEVATION: 832.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 150	863	1.5 to 2.5	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.2	NP	NP	NP	0.8	35.7											
☒ 151	864	3.0 to 4.0	SILTY SAND(SM)	4.6	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				
● 150	863	100.0	100.0	100.0	94.1	90.1	76.7	68.8	55.1	44.9	34.4	24.0	14.1	9.4	6.4	Gravel	Sand	Silt	Clay	
☒ 151	864	100.0	100.0	100.0	100.0	98.6	97.2	96.7	95.3	93.7	66.2	58.7	34.7	25.7	23.0	4.7	72.3	23.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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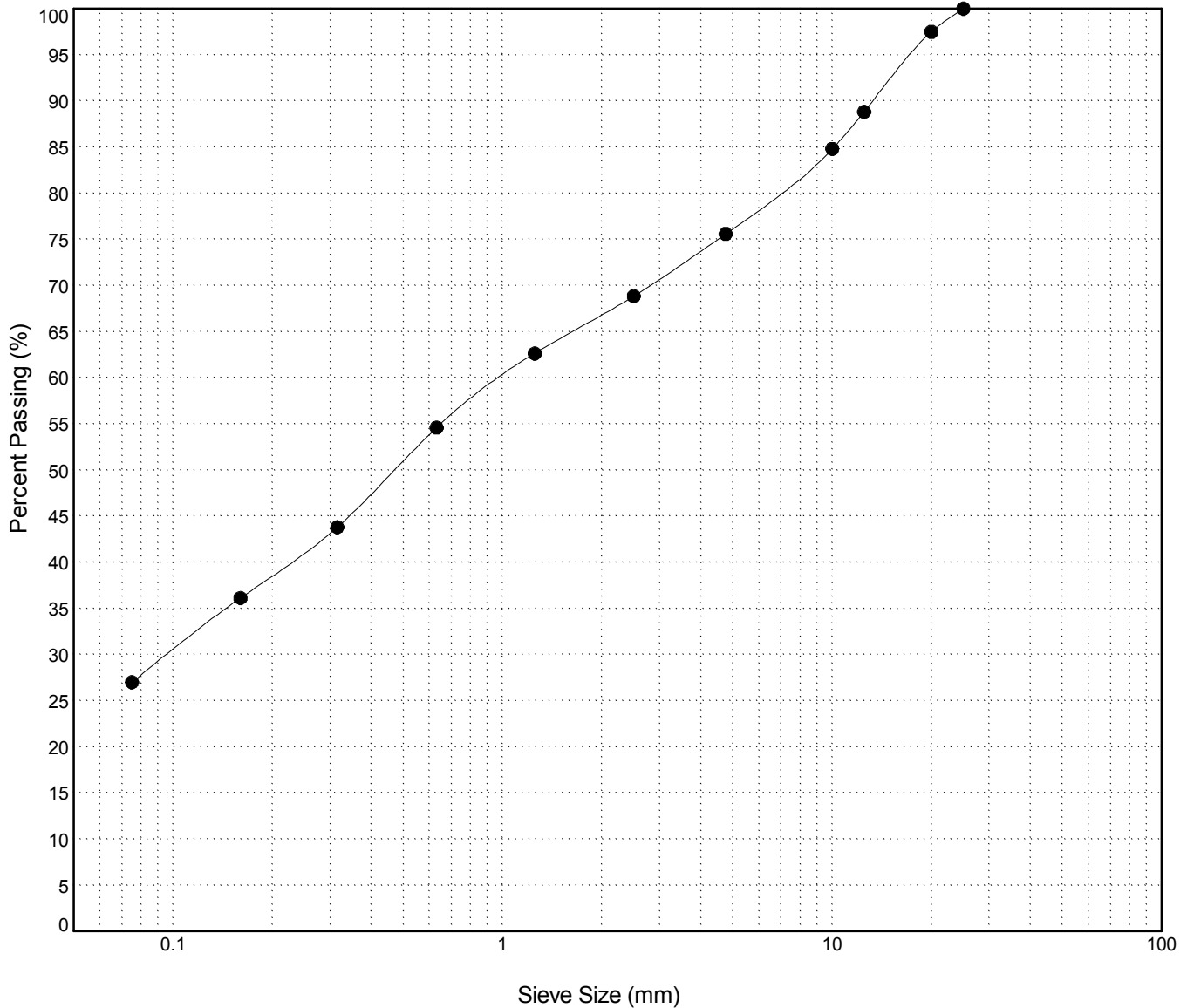
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5010
Darkside Drilling	km 1420.11	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6728423.2m E496541.2m	ELEVATION: 838.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 153	866	4.0 to 5.0	SILTY SAND with GRAVEL(SM)											7.4	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			
● 153	866	% PASSING	100.0	100.0	100.0	100.0	97.5	88.8	84.8	75.6	68.8	62.6	54.6	43.8	36.1	27.0	Gravel	Sand	Silt	Clay
																	24.4	48.6	27.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



**Highways and Public Works
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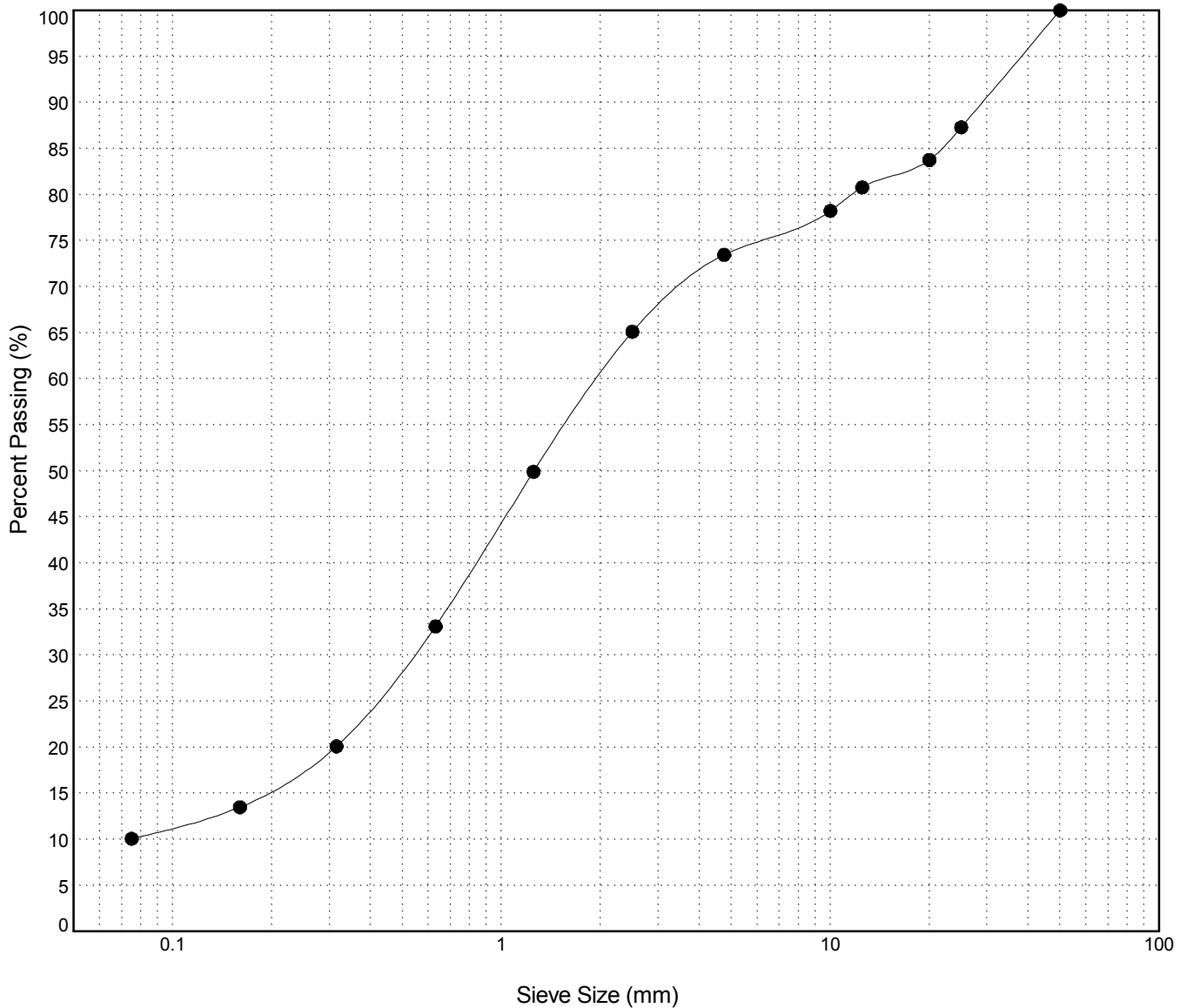
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5012
Darkside Drilling	km 1420.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6728928.4m E496355.9m	ELEVATION: 836.1m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 156	869	8.0 to 9.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	18.6	NP	NP	NP	2.0	26.9											
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				
● 156	869	100.0	100.0	100.0	87.3	83.8	80.8	78.2	73.5	65.1	49.9	33.1	20.1	13.5	10.1	Gravel	Sand	Silt	Clay	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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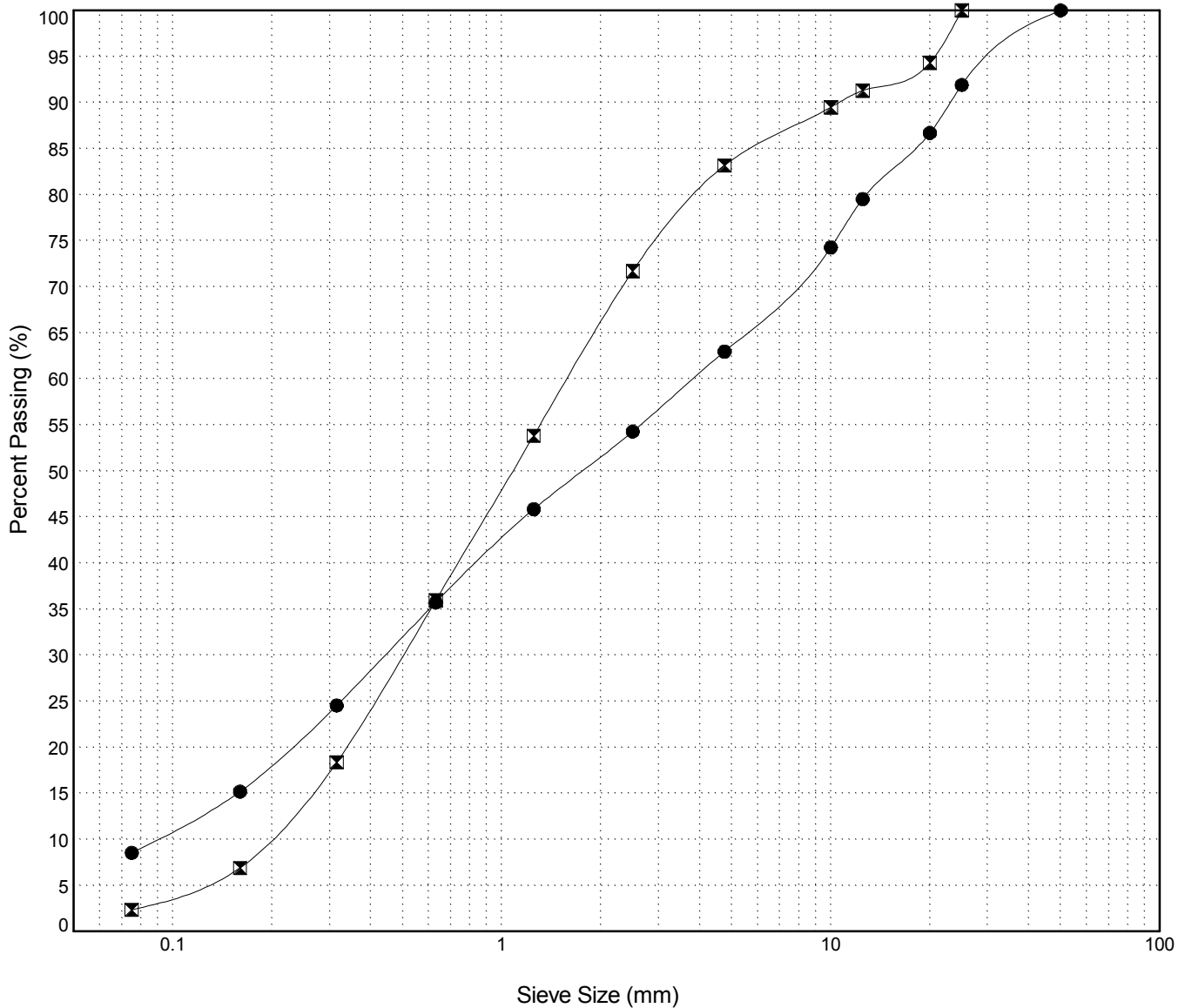
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5013
Darkside Drilling	km 1421	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6729212.3m E496237.6m	ELEVATION: 841.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 158	871	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	4.1	NP	NP	NP	0.6	43.1											
☒ 159	872	8.0 to 9.0	POORLY GRADED SAND with GRAVEL(SP)	9.3	NP	NP	NP	0.8	8.3											
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				
● 158	871	100.0	100.0	100.0	91.9	86.7	79.5	74.3	63.0	54.3	45.8	35.7	24.5	15.2	8.5	Gravel	Sand	Silt	Clay	
☒ 159	872	100.0	100.0	100.0	100.0	94.3	91.3	89.5	83.2	71.7	53.8	35.9	18.4	6.9	2.4	16.8	80.8	2.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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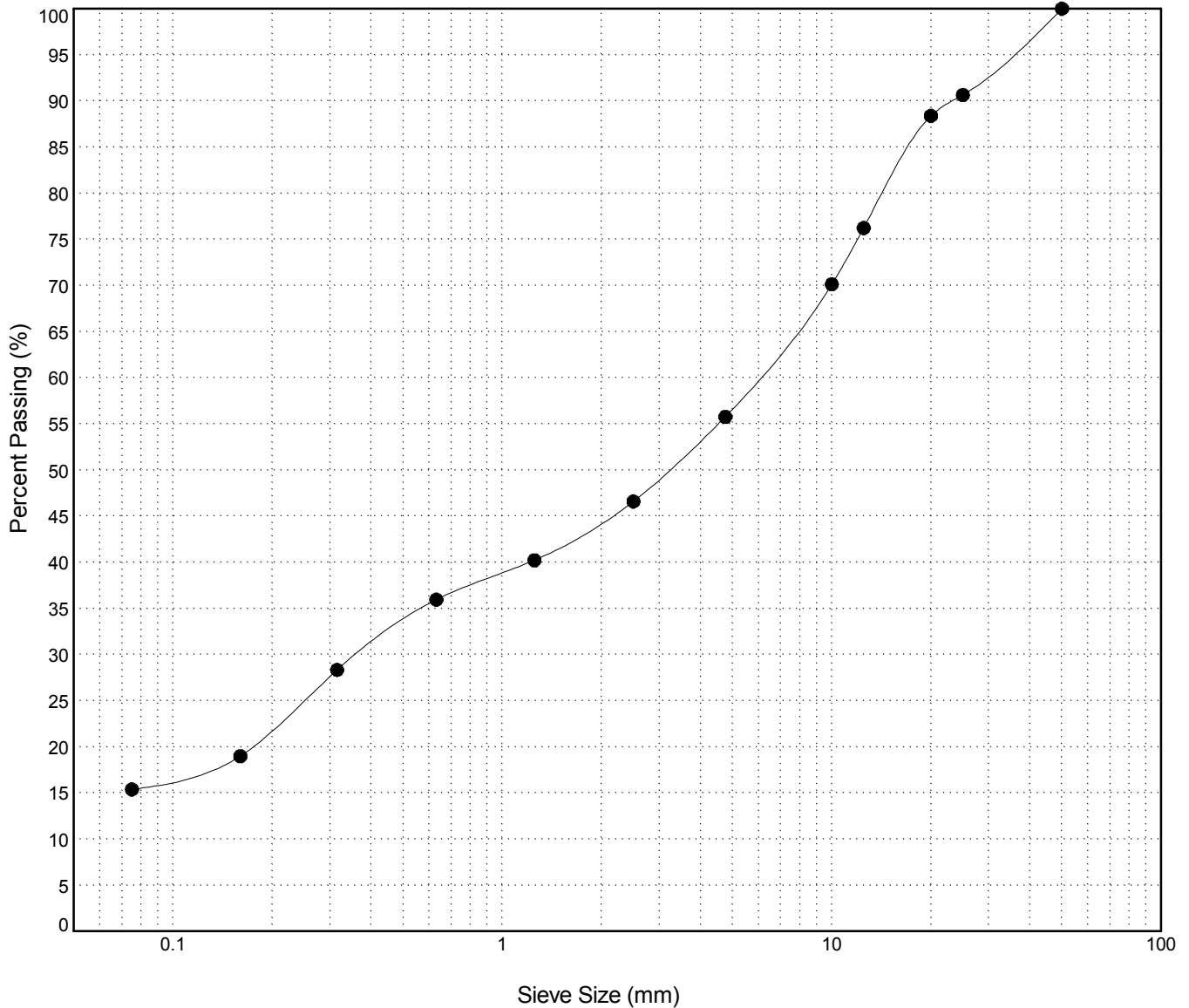
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5014
Darkside Drilling	km 1421.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6729208.5m E496235.9m	ELEVATION: 837.9m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H ₂ O	LL	PL	PI	C _c	C _u	
● 161	874	8.0 to 9.0	SILTY GRAVEL with SAND(GM)											9.3	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			
● 161	874	% PASSING	100.0	100.0	100.0	90.6	88.4	76.2	70.1	55.8	46.6	40.2	35.9	28.3	19.0	15.4	Gravel	Sand	Silt	Clay
																	44.2	40.4	15.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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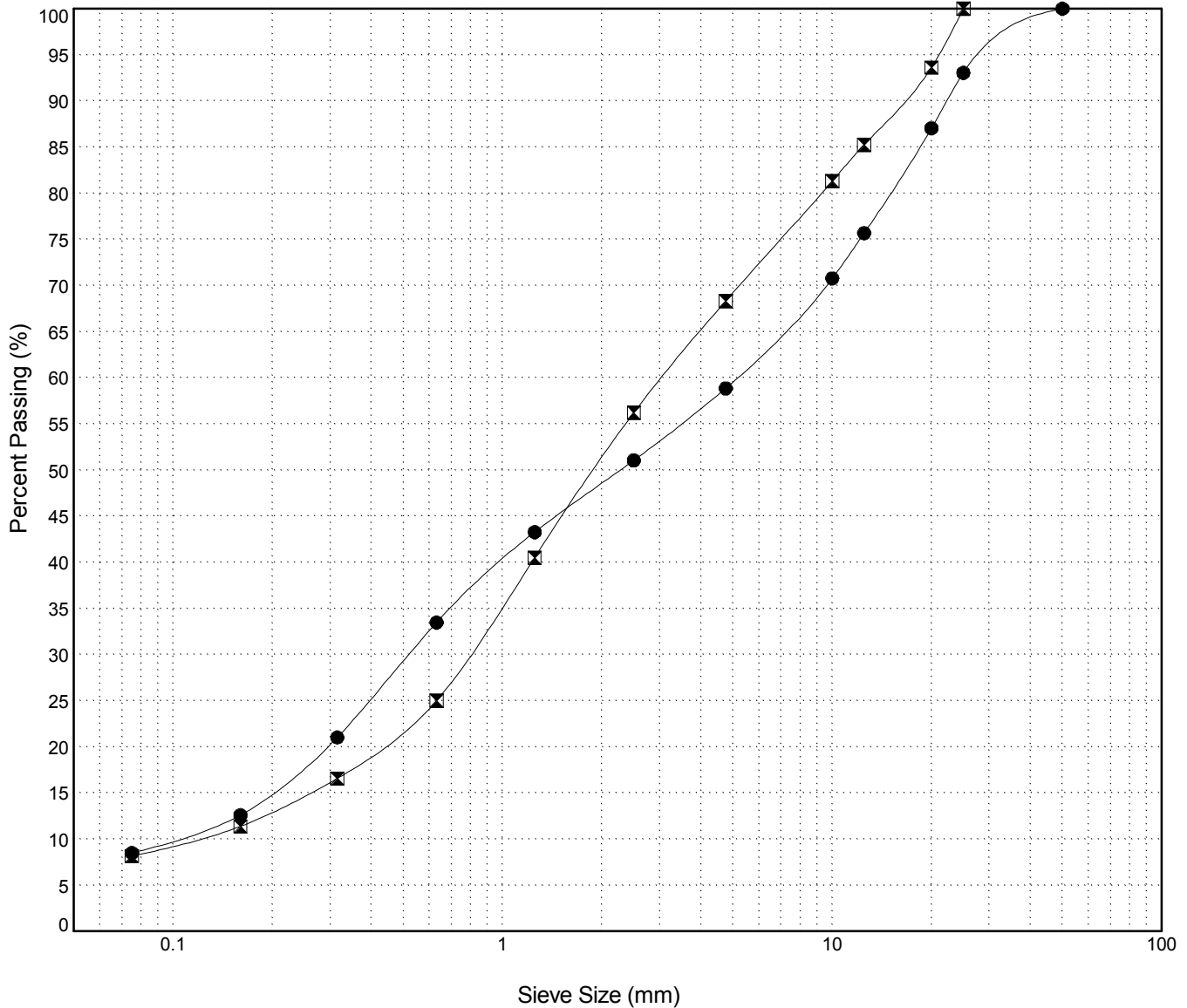
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5015
Darkside Drilling	km 1421.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6729707m E495926.5m	ELEVATION: 830.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 162	875	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.9	NP	NP	NP	0.5	51.6											
☒ 163	876	8.0 to 9.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.5	NP	NP	NP	1.7	26.4											
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				
● 162	875	100.0	100.0	100.0	93.0	87.0	75.7	70.8	58.8	51.0	43.3	33.5	21.0	12.6	8.5	Gravel	Sand	Silt	Clay	
☒ 163	876	100.0	100.0	100.0	100.0	93.6	85.2	81.3	68.3	56.2	40.5	25.0	16.6	11.4	8.2	31.7	60.2	8.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

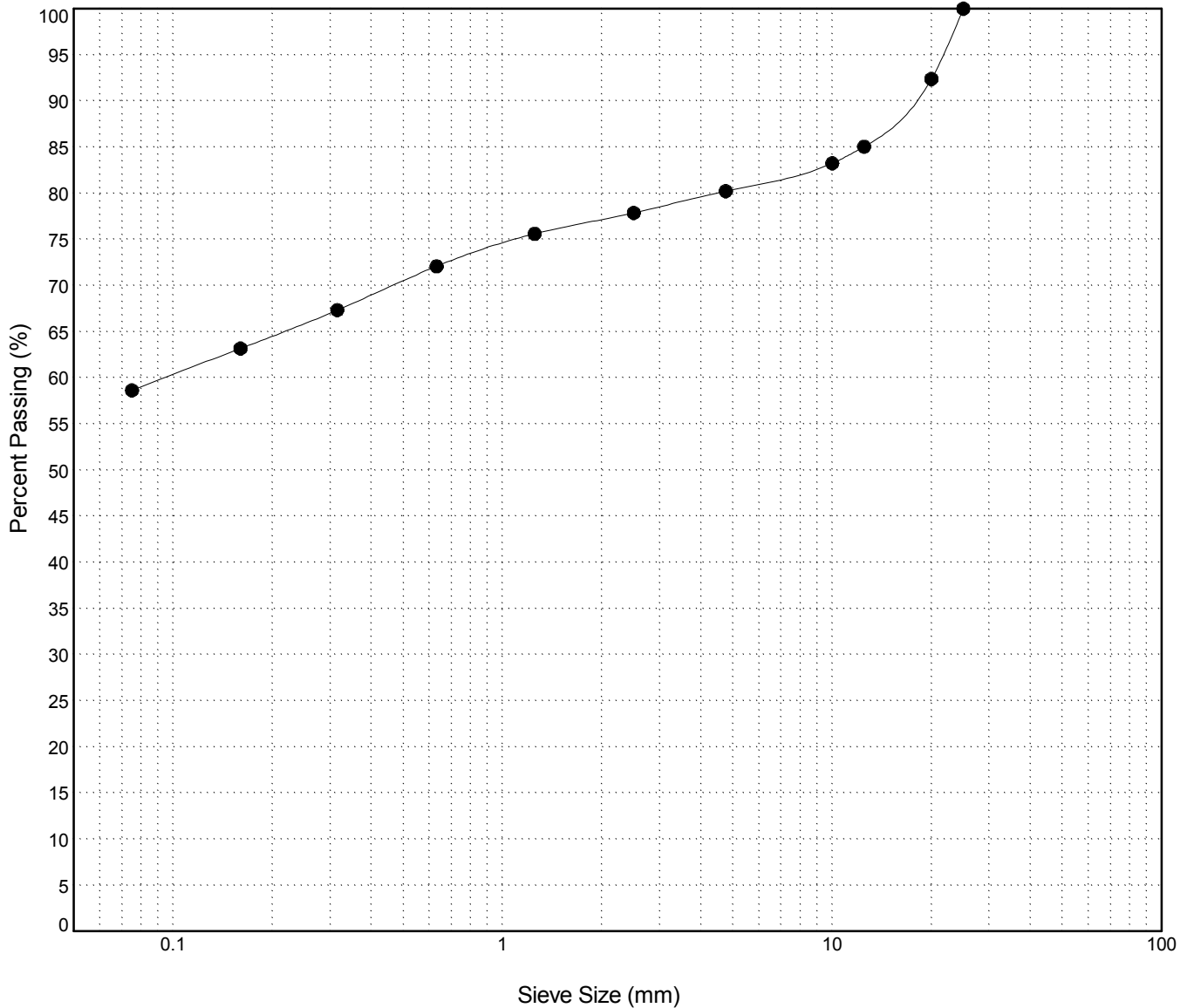


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5016
Darkside Drilling	km 1421.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6729708.4m E495925.3m	ELEVATION: 823.7m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 166	879	3.0 to 4.0	SANDY ORGANIC SILT with GRAVEL(OL)	31.0	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			
● 166	879	100.0	100.0	100.0	100.0	92.4	85.0	83.2	80.2	77.9	75.6	72.1	67.3	63.2	58.6	19.8	21.6	58.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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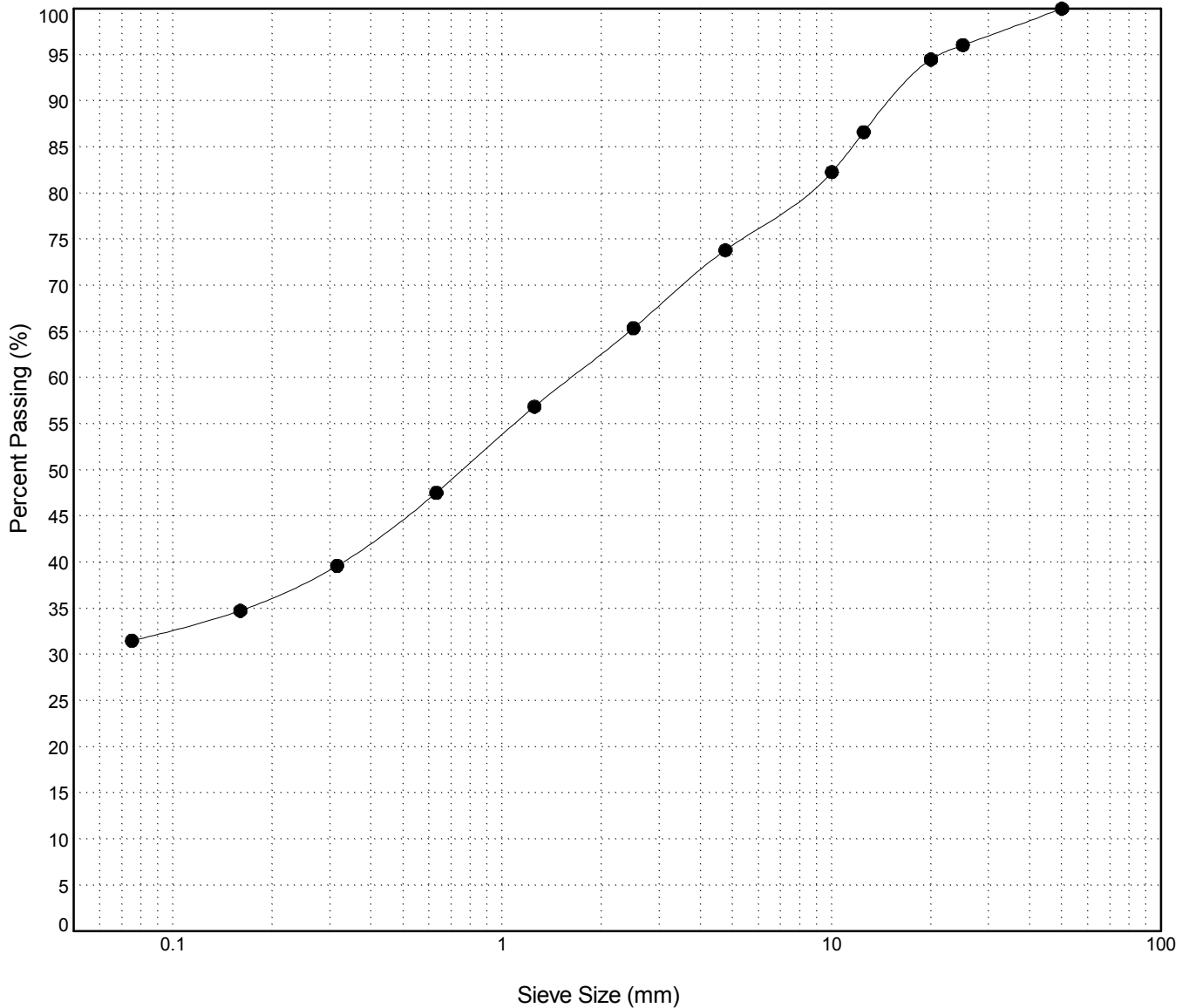
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5017
Darkside Drilling	km 1422.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6730259.8m E495621.3m	ELEVATION: 925.5m

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Field #	Lab #	Depth	Classification											%H ₂ O	LL	PL	PI	Cc	Cu			
● 169	882	6.0 to 7.0	SILTY SAND with GRAVEL(SM)											8.5	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					
● 169	882	% PASSING	100.0	100.0	100.0	96.0	94.5	86.6	82.3	73.8	65.4	56.9	47.5	39.6	34.7	31.5	Gravel	Sand	Silt	Clay		
																		26.2	42.3	31.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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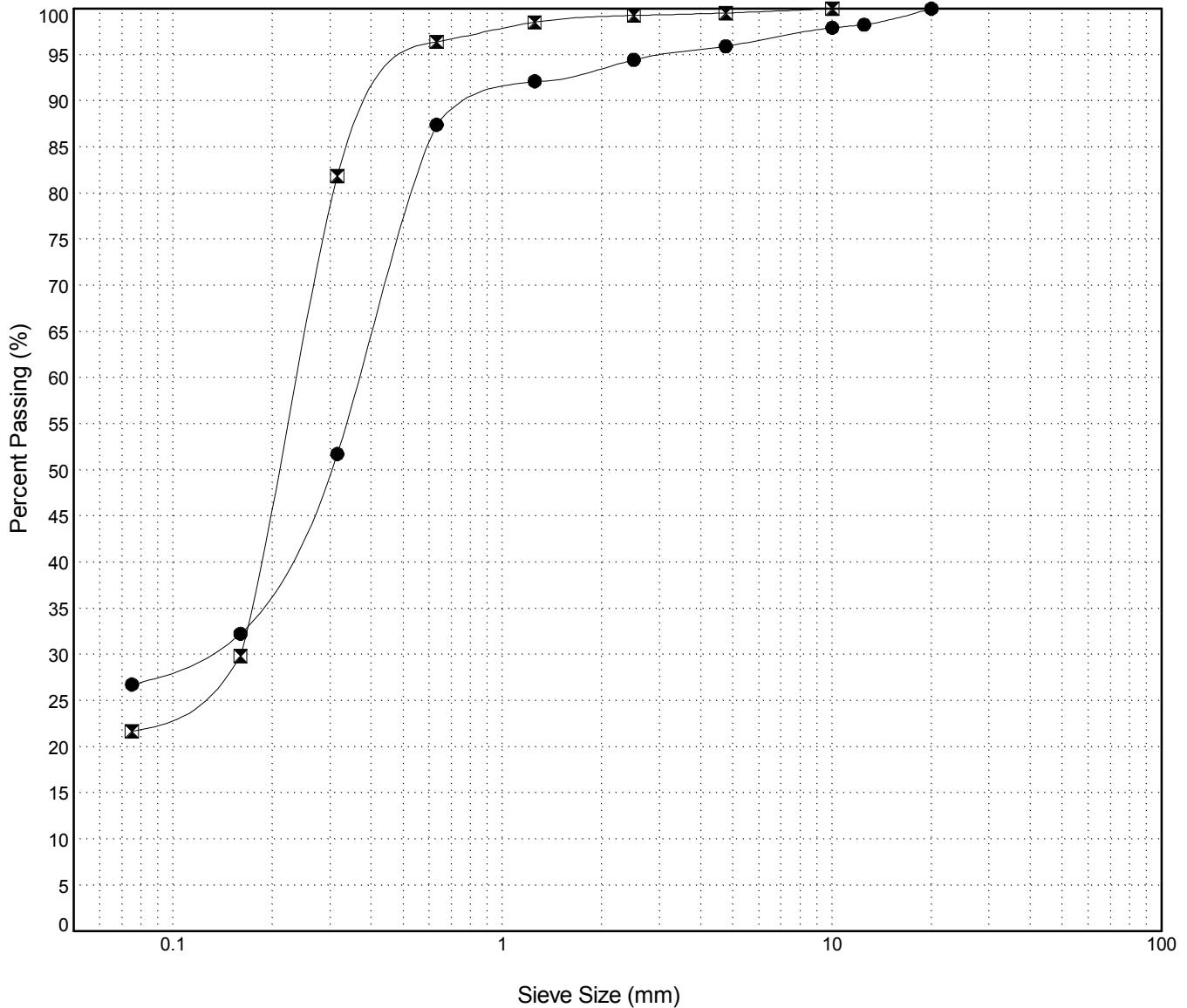
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5018
Darkside Drilling	km 1422.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6730506.1m E495554.5m	ELEVATION: 919.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 171	884	6.0 to 7.0	SILTY SAND(SM)	25.4	NP	NP	NP													
☒ 172	885	8.0 to 9.0	SILTY SAND(SM)	18.6	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				
● 171	884	100.0	100.0	100.0	100.0	100.0	98.3	97.9	95.9	94.5	92.1	87.4	51.7	32.2	26.8	Gravel	Sand	Silt	Clay	
☒ 172	885	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.3	98.5	96.4	81.9	29.8	21.7	0.5	77.8	21.7		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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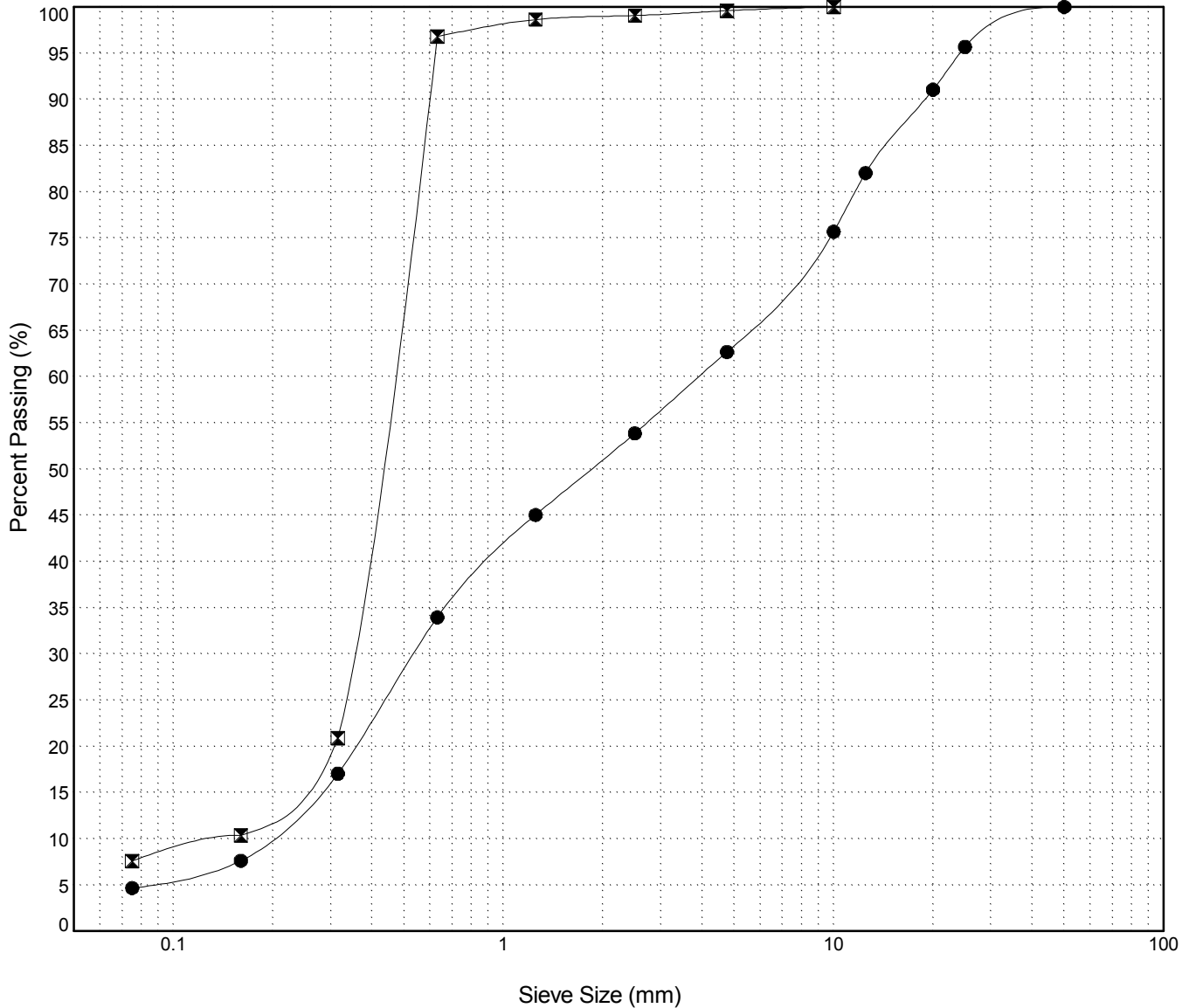
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5019
Darkside Drilling	km 1422.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6730799.2m E495524.1m	ELEVATION: 926.1m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 173	886	2.0 to 3.0	POORLY GRADED SAND with GRAVEL(SP)	3.4	NP	NP	NP	0.4	20.6
☒ 174	887	6.0 to 8.0	POORLY GRADED SAND with SILT(SP-SM)	4.8	NP	NP	NP	1.8	3.1

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
● 173	886	100.0	100.0	100.0	100.0	95.7	91.0	82.0	75.7	62.7	53.9	45.0	34.0	17.1	7.6	4.7	37.3	58.0	4.7	
☒ 174	887	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.6	96.8	20.9	10.4	7.6	0.4	92.0	7.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

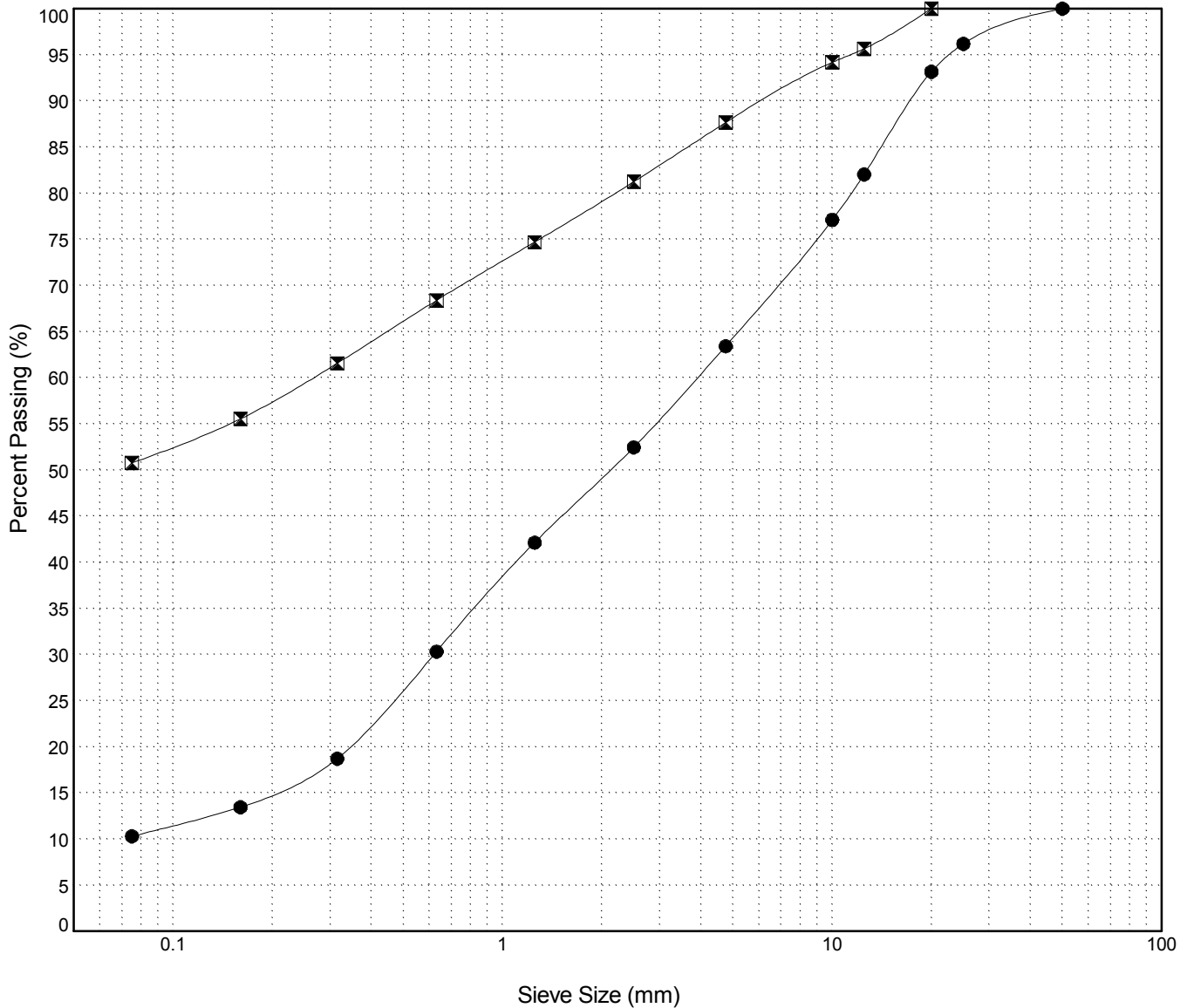


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5020
Darkside Drilling	km 1423.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6731431.5m E495589.9m	ELEVATION: 920.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 175	888	2.0 to 3.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.2	NP	NP	NP	1.4	55.9										
☒ 176	889	7.0 to 9.0	SANDY SILT(ML)	10.2	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			
● 175	888	100.0	100.0	100.0	96.2	93.2	82.0	77.1	63.4	52.4	42.1	30.3	18.7	13.5	10.3	Gravel	Sand	Silt	Clay
☒ 176	889	100.0	100.0	100.0	100.0	100.0	95.6	94.2	87.7	81.2	74.7	68.4	61.6	55.5	50.8	12.3	36.9	50.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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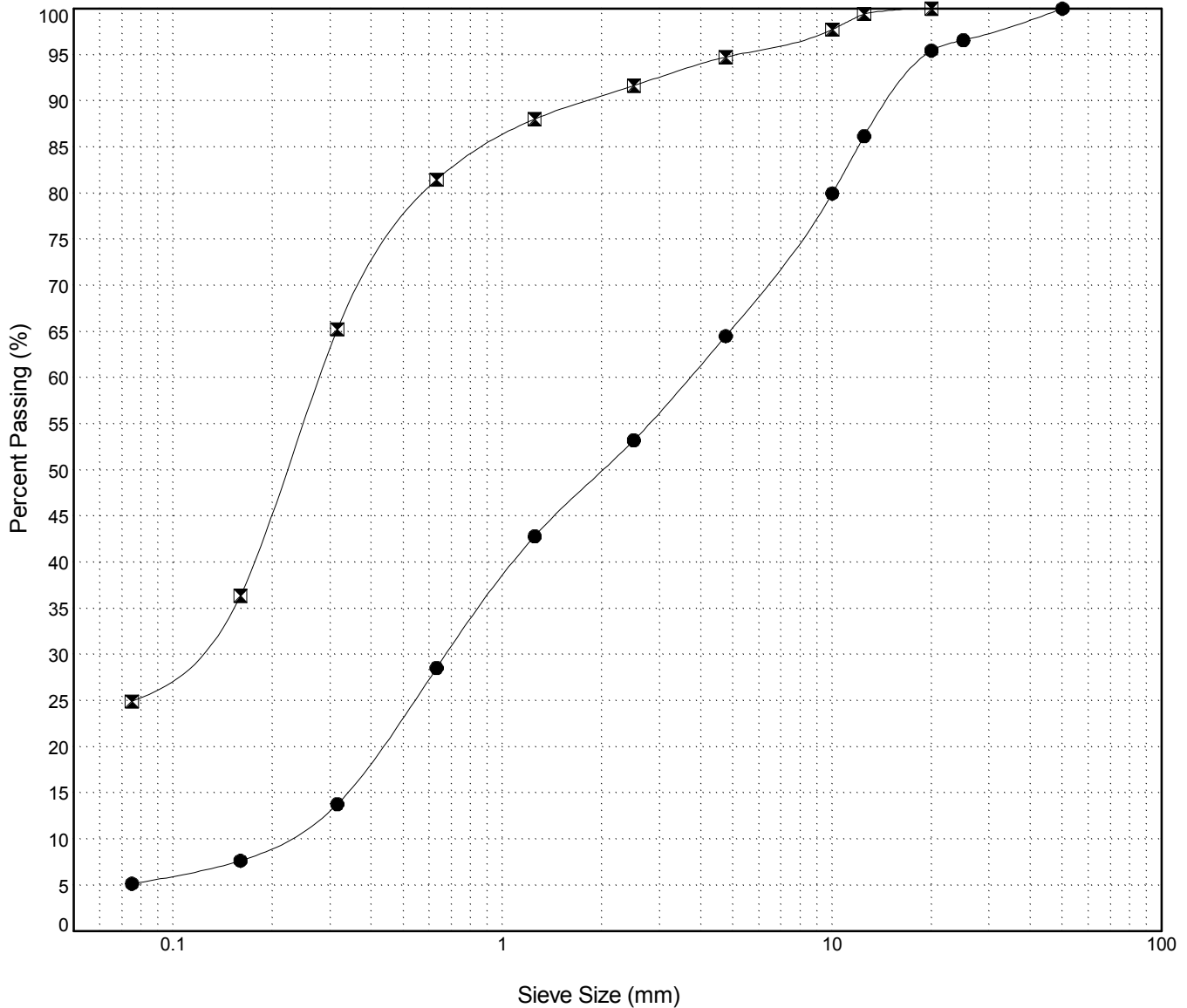
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5021
Darkside Drilling	km 1423.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6731700.5m E495580.6m	ELEVATION: 924.1m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 177	890	3.0 to 4.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.5	NP	NP	NP	0.6	17.7											
☒ 178	891	12.0 to 13.0	SILTY SAND(SM)	2.9	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				
● 177	890	100.0	100.0	100.0	96.6	95.5	86.2	80.0	64.5	53.2	42.8	28.5	13.8	7.7	5.2	Gravel	Sand	Silt	Clay	
☒ 178	891	100.0	100.0	100.0	100.0	100.0	99.4	97.7	94.7	91.6	88.0	81.5	65.2	36.4	24.9	5.3	69.8	24.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



**Highways and Public Works
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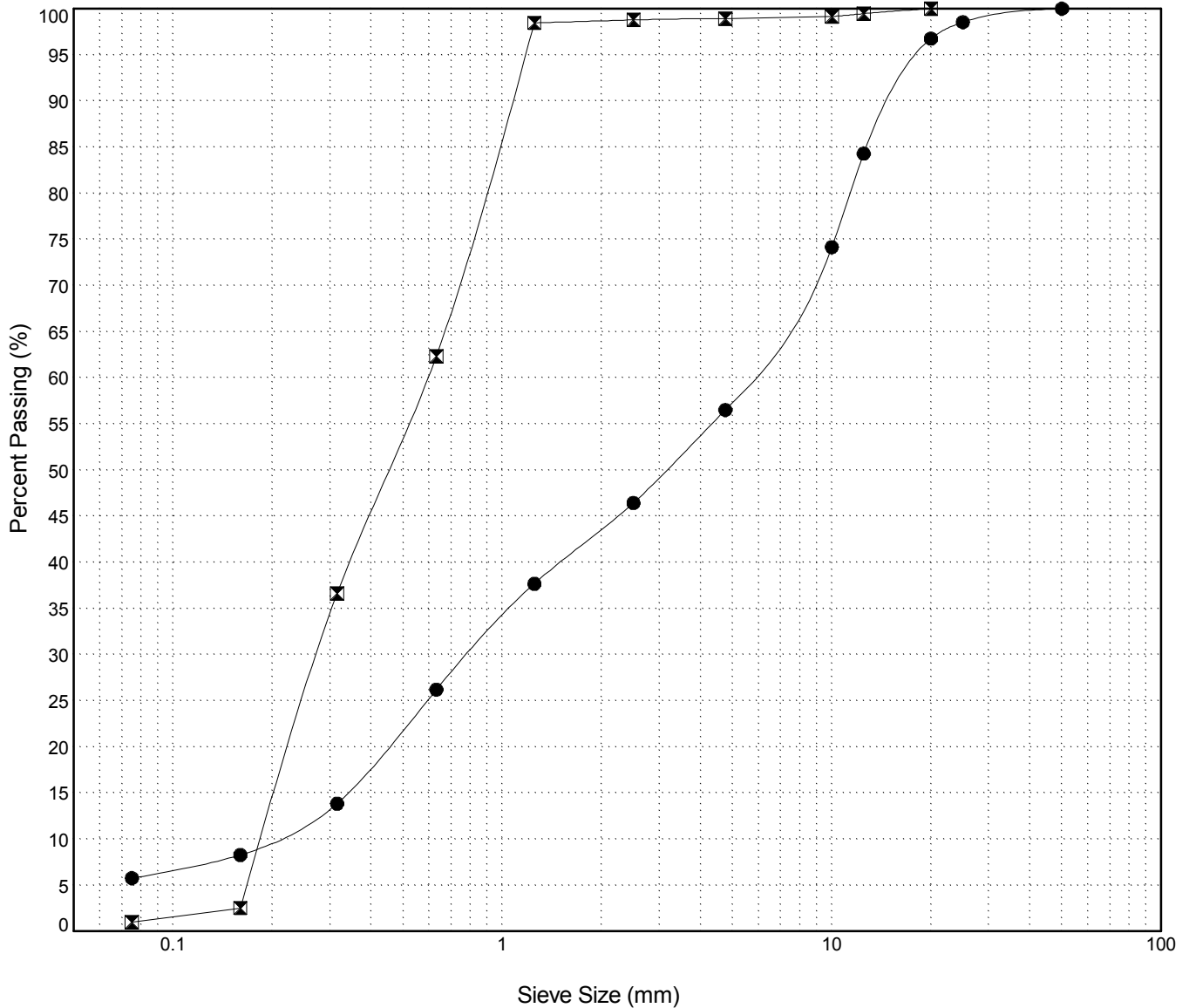
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5022
Darkside Drilling	km 1423.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6731951m E495514.3m	ELEVATION: 921.2m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 179	892	2.5 to 4.5	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.1	NP	NP	NP	0.6	27.9										
☒ 180	893	6.0 to 7.0	POORLY GRADED SAND(SP)	0.7	NP	NP	NP	0.7	3.2										
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			
● 179	892	100.0	100.0	100.0	98.5	96.8	84.3	74.2	56.5	46.4	37.7	26.2	13.9	8.3	5.8	Gravel	Sand	Silt	Clay
☒ 180	893	100.0	100.0	100.0	100.0	100.0	99.4	99.1	98.9	98.8	98.4	62.3	36.6	2.5	1.0	1.1	97.9	1.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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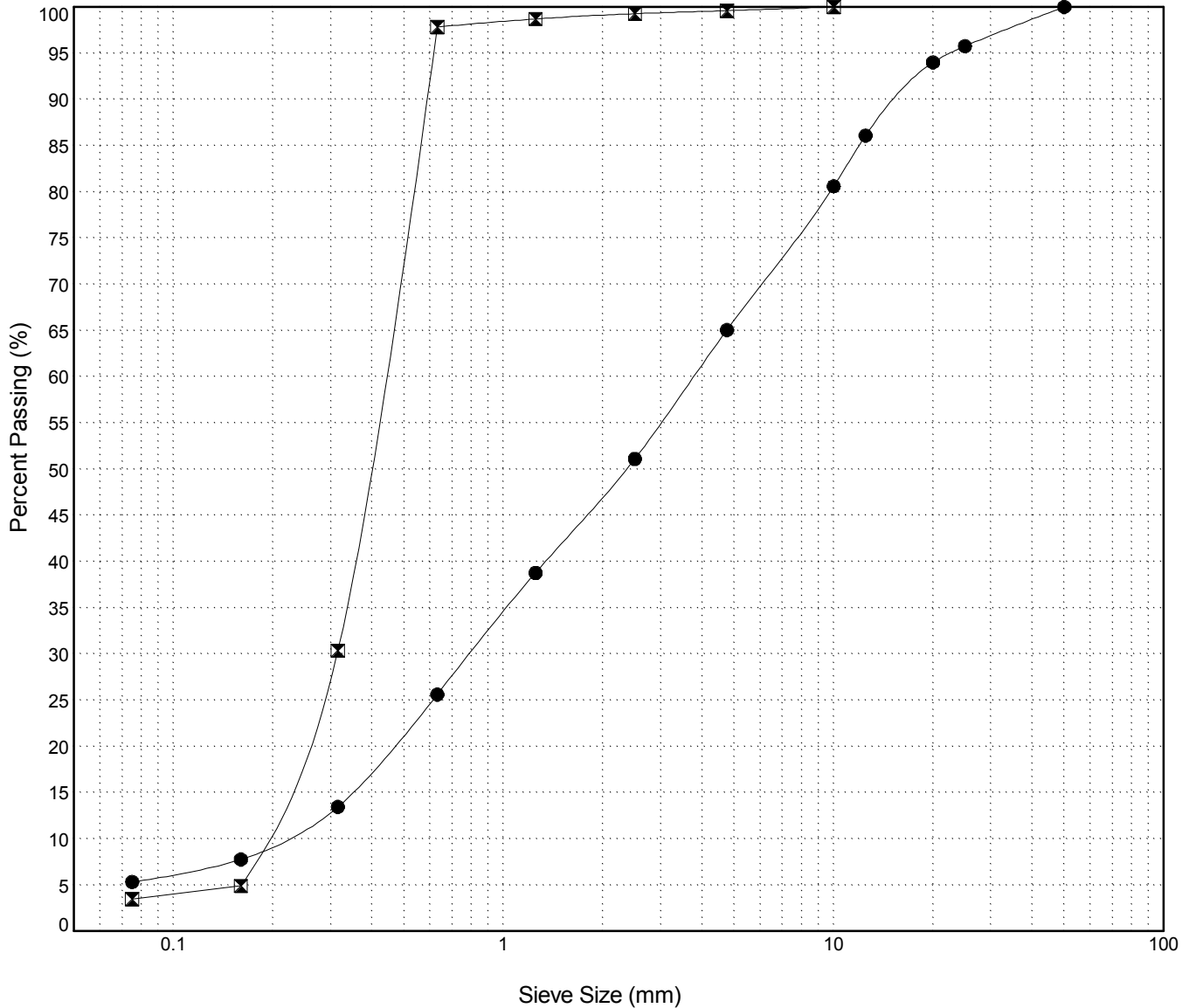
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5023
Darkside Drilling	km 1424.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6732234.4m E495365.8m	ELEVATION: 918.7m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 181	894	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.4	NP	NP	NP	0.8	18.0
☒ 182	895	7.0 to 9.0	POORLY GRADED SAND(SP)	0.6	NP	NP	NP	1.2	2.3

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	
● 181	894	100.0	100.0	100.0	100.0	95.7	94.0	86.1	80.6	65.0	51.1	38.8	25.6	13.5	7.8	5.3	35.0	59.7	5.3		
☒ 182	895	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.3	98.7	97.8	30.4	4.9	3.5	0.4	96.1	3.5			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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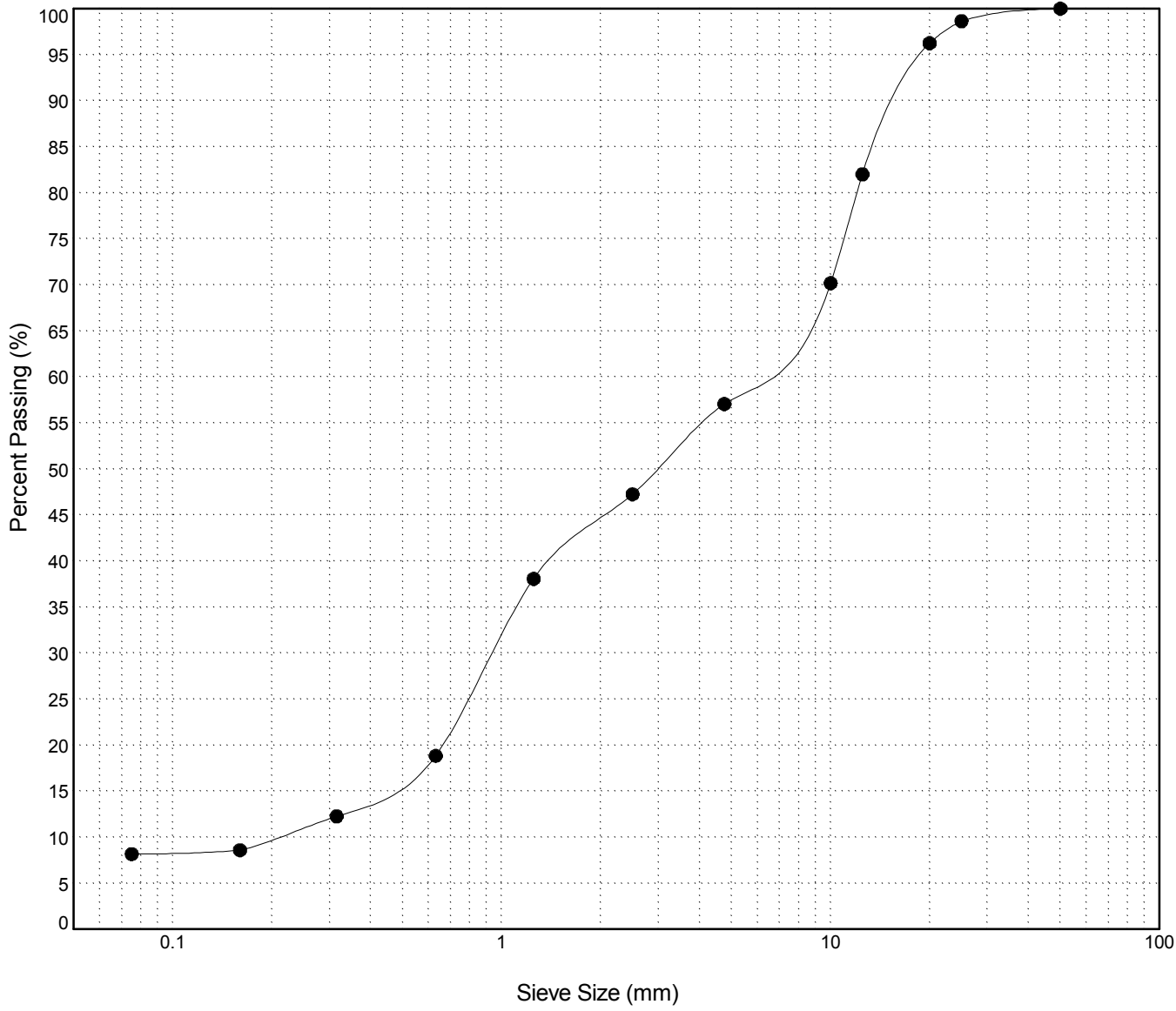
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 844-5024
Darkside Drilling	km 1424.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6732444.2m E495253.6m	ELEVATION: 923.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 183	896	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.6	NP	NP	NP	0.8	27.1											
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				
● 183	896	100.0	100.0	100.0	98.6	96.2	82.0	70.2	57.1	47.2	38.1	18.8	12.3	8.6	8.2	Gravel	Sand	Silt	Clay	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



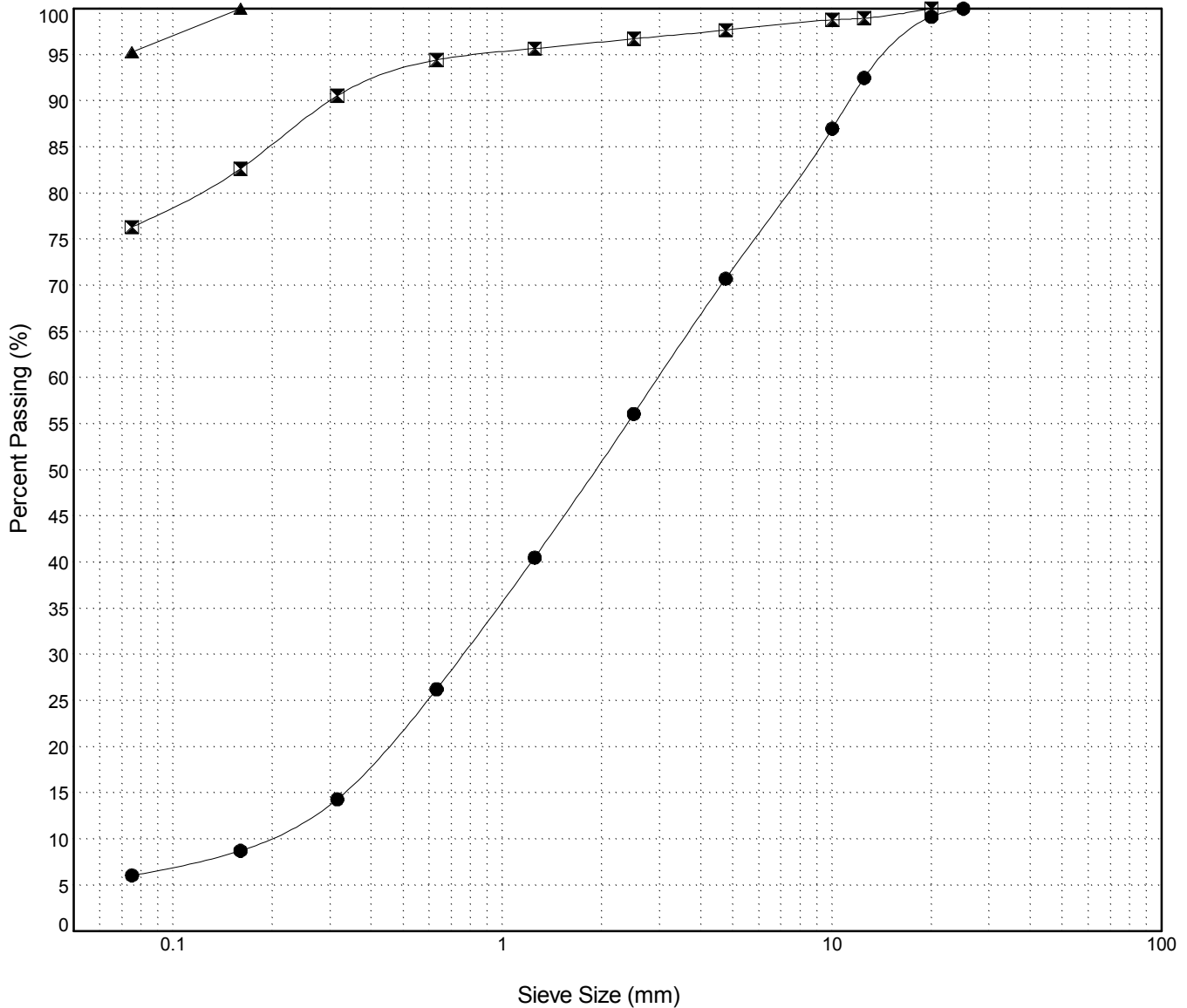
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5027
Darkside Drilling	km 1426	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6733628.6m E494502m	ELEVATION: 929.9m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 184	897	2.0 to 3.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	0.4	NP	NP	NP	1.0	15.9
☒ 185	898	3.0 to 5.0	SILT with SAND(ML)	10.3	NP	NP	NP		
▲ 186	899	7.0 to 9.0	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			
																Gravel	Sand	Silt	Clay
● 184	897	100.0	100.0	100.0	100.0	99.1	92.5	87.0	70.7	56.1	40.5	26.2	14.3	8.7	6.1	29.3	64.7	6.1	
☒ 185	898	100.0	100.0	100.0	100.0	100.0	99.0	98.8	97.7	96.7	95.7	94.4	90.6	82.6	76.3	2.3	21.3	76.3	
▲ 186	899	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	0.0	4.7	95.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

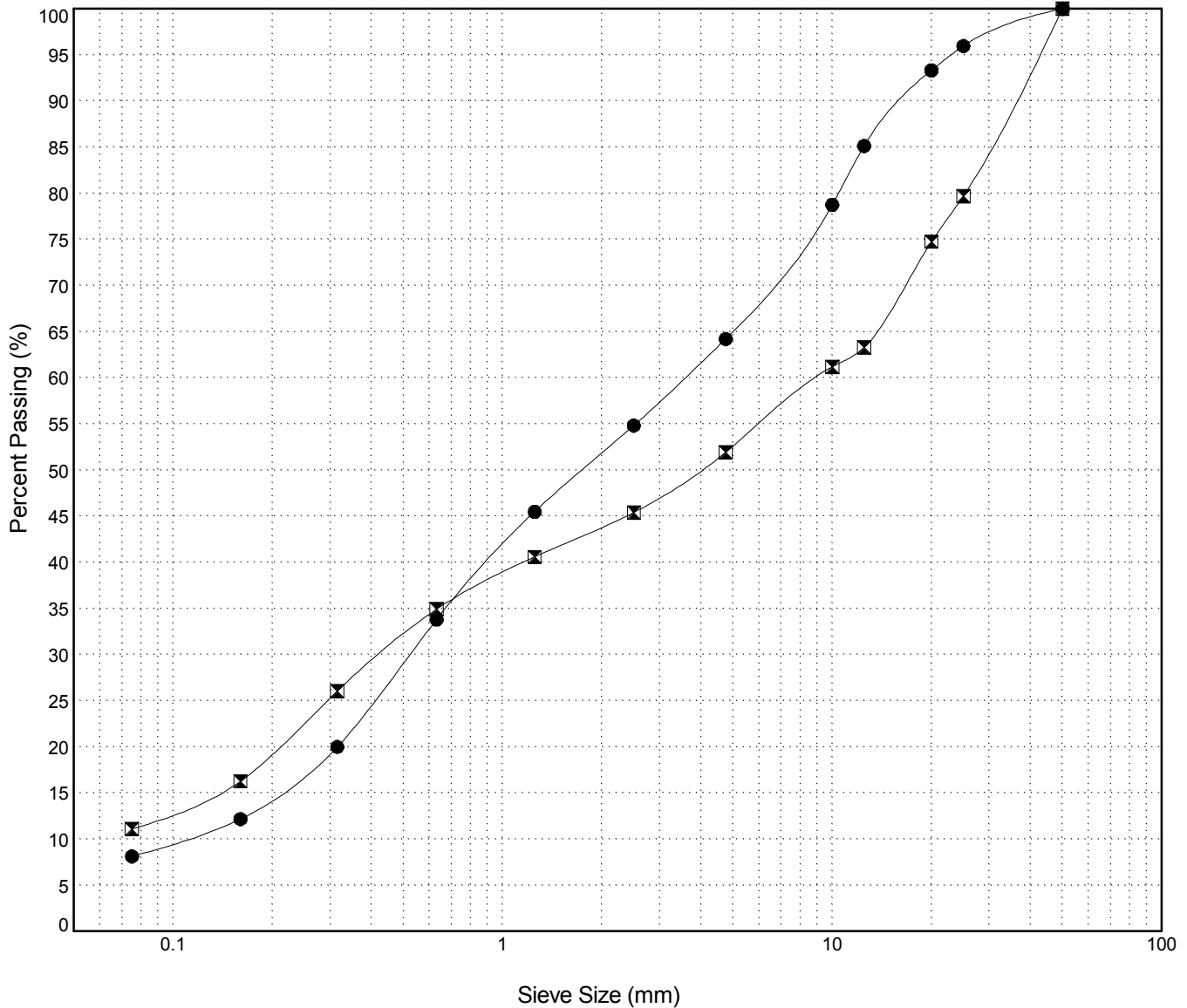


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5028
Darkside Drilling	km 1426.15	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6733761.8m E494390.9m	ELEVATION: 929.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu									
● 187	900	1.5 to 2.5	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.3	NP	NP	NP	0.7	33.5									
☒ 188	901	6.0 to 8.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.8	NP	NP	NP	0.3	142.4									
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		
● 187	900	100.0	100.0	100.0	95.9	93.3	85.1	78.7	64.2	54.8	45.5	33.8	20.0	12.2	8.1	Gravel	Sand	Silt Clay
☒ 188	901	100.0	100.0	100.0	79.7	74.7	63.3	61.2	51.9	45.4	40.6	34.9	26.0	16.3	11.1	48.1	40.8	11.1

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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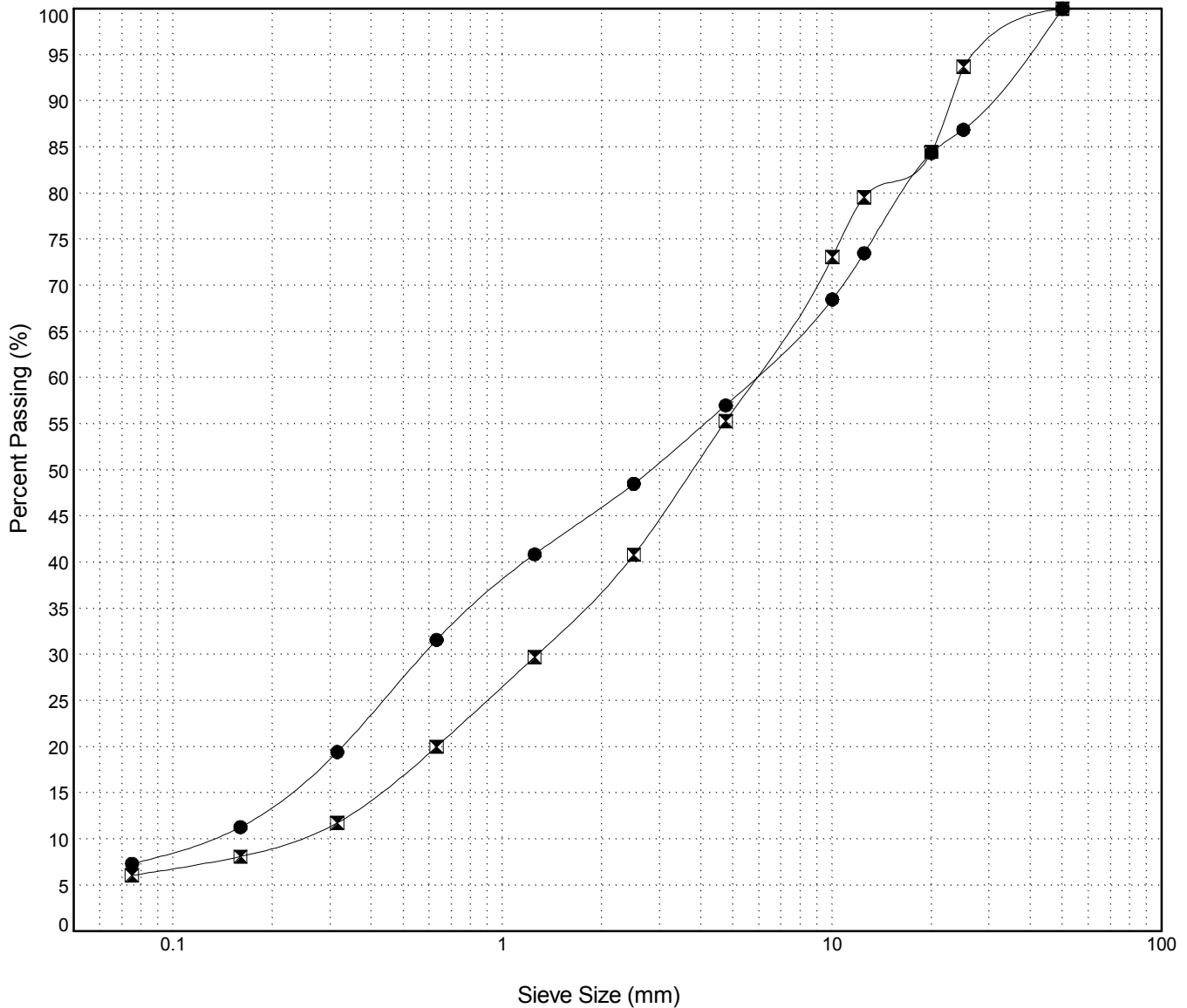
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5029
Darkside Drilling	km 1426.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6733931.8m E494116.1m	ELEVATION: 939.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 189	902	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.5	NP	NP	NP	0.5	46.2											
☒ 190	903	8.0 to 9.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	0.5	NP	NP	NP	1.2	25.4											
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				
● 189	902	100.0	100.0	100.0	86.9	84.4	73.5	68.5	57.0	48.5	40.9	31.6	19.4	11.3	7.3	Gravel	Sand	Silt	Clay	
☒ 190	903	100.0	100.0	100.0	93.7	84.5	79.6	73.1	55.3	40.8	29.7	20.0	11.8	8.1	6.1	44.7	49.2	6.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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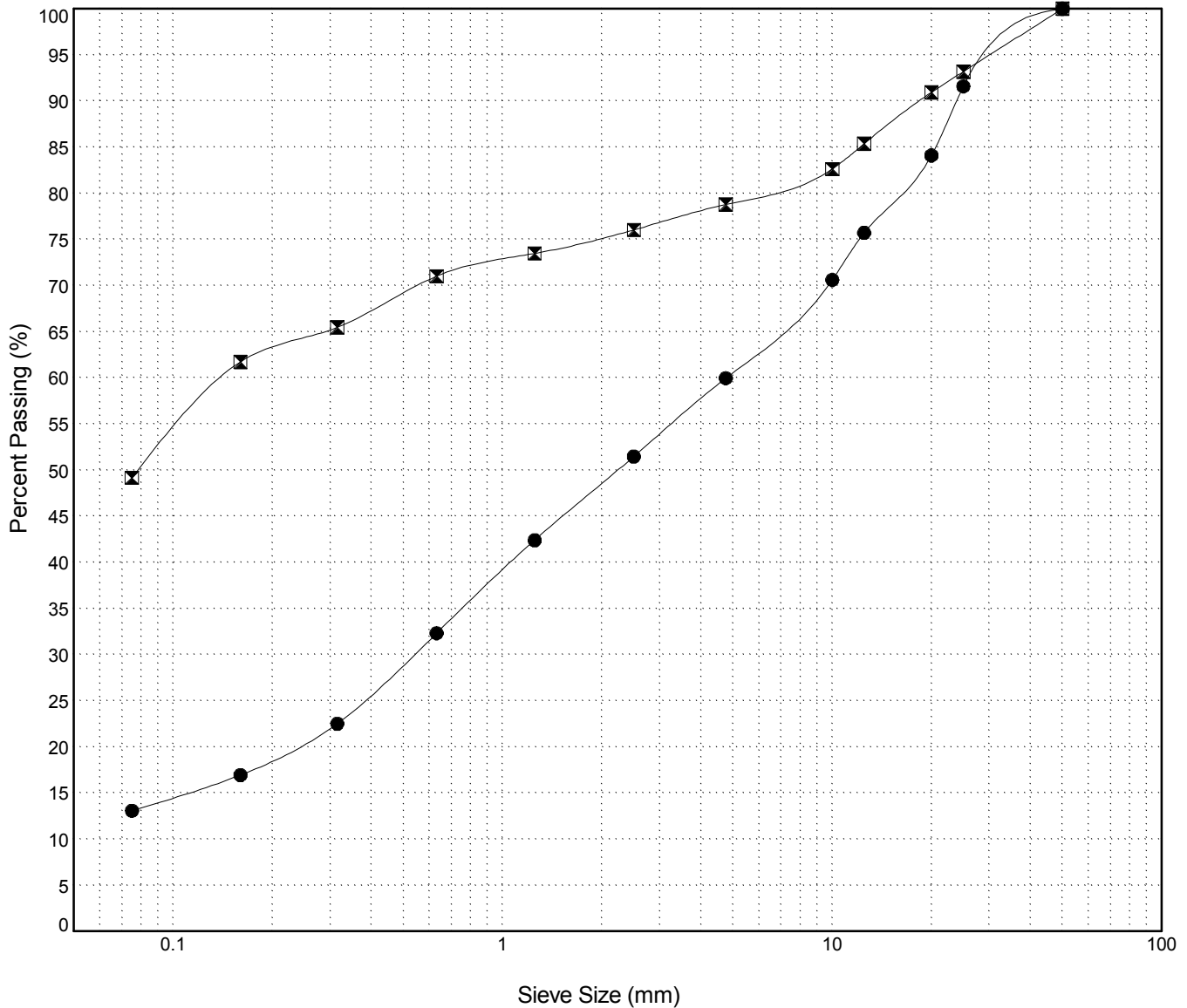
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5030
Darkside Drilling	km 1426.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734018.1m E493900.2m	ELEVATION: 946.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 191	904	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	2.0	NP	NP	NP												
☒ 192	905	7.0 to 8.0	SILTY SAND with GRAVEL(SM)	13.9	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			
● 191	904	100.0	100.0	100.0	91.6	84.1	75.7	70.6	59.9	51.5	42.4	32.3	22.5	16.9	13.1	Gravel	Sand	Silt	Clay
☒ 192	905	100.0	100.0	100.0	93.2	90.9	85.4	82.6	78.8	76.0	73.5	71.0	65.5	61.7	49.2	21.2	29.6	49.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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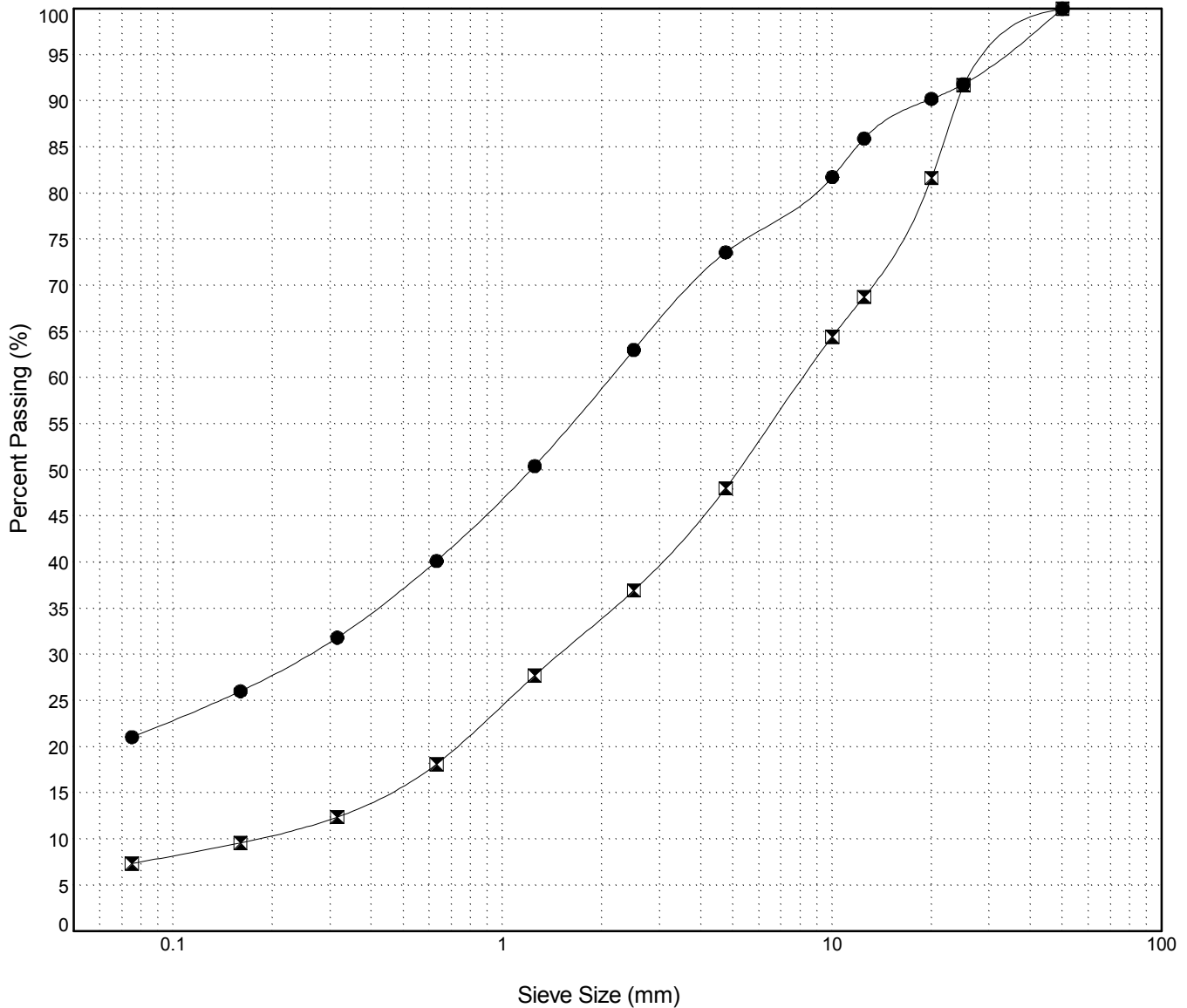
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5031
Darkside Drilling	km 1426.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734104.7m E493732.7m	ELEVATION: 946.9m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 193	906	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	5.5	NP	NP	NP													
☒ 194	907	6.0 to 8.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.3	NP	NP	NP	1.5	46.2											
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				
● 193	906	100.0	100.0	100.0	91.8	90.2	85.9	81.8	73.6	63.0	50.4	40.1	31.8	26.0	21.1	Gravel	Sand	Silt	Clay	
☒ 194	907	100.0	100.0	100.0	91.7	81.6	68.8	64.5	48.0	36.9	27.7	18.1	12.4	9.6	7.4	52.0	40.7	7.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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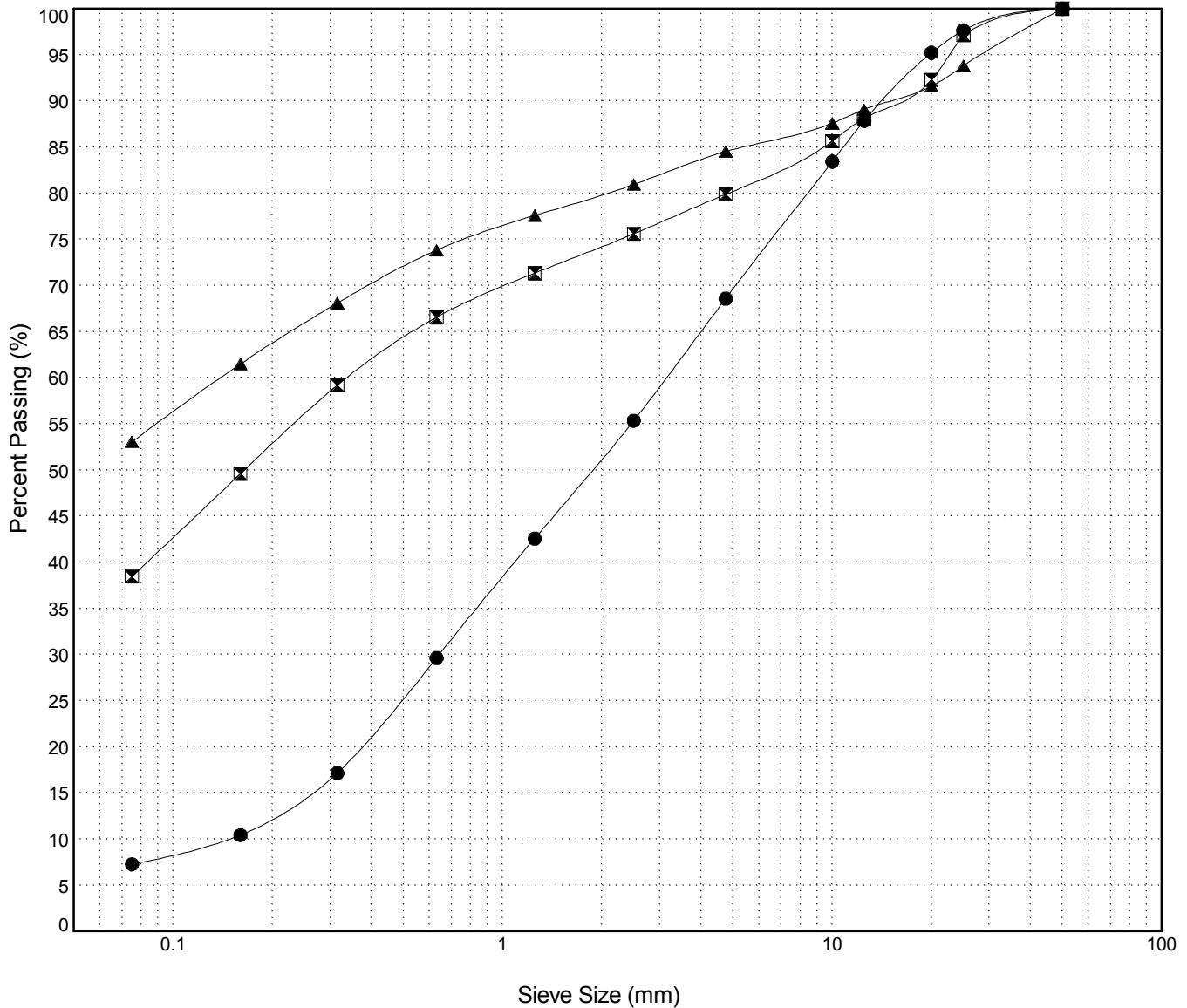
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5032
Darkside Drilling	km 1427.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734205.1m E493483m	ELEVATION: 952.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 195	908	1.5 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.8	NP	NP	NP	0.9	21.8
☒ 196	909	3.0 to 5.0	SILTY SAND with GRAVEL(SM)	7.5	NP	NP	NP		
▲ 197	910	8.0 to 9.0	SANDY ORGANIC SILT with GRAVEL(OL)	10.8	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
● 195	908	100.0	100.0	100.0	100.0	97.6	95.2	87.8	83.4	68.6	55.3	42.6	29.6	17.2	10.4	7.3	31.4	61.3	7.3	
☒ 196	909	100.0	100.0	100.0	97.1	92.3	88.1	85.6	79.9	75.6	71.3	66.5	59.2	49.6	38.5		20.1	41.4	38.5	
▲ 197	910	100.0	100.0	100.0	93.8	91.6	89.1	87.6	84.5	80.9	77.6	73.8	68.1	61.5	53.1		15.5	31.5	53.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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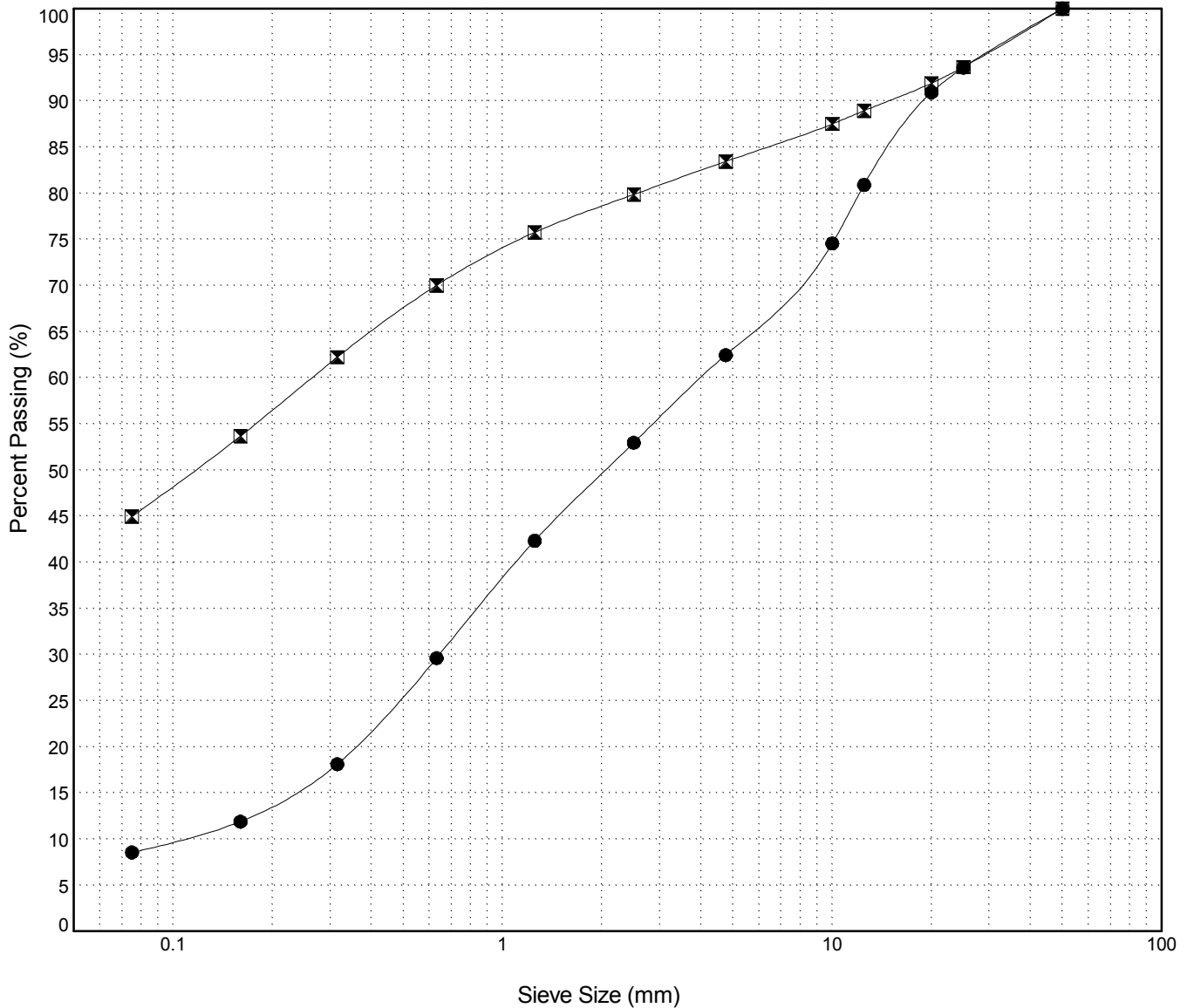
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5033
Darkside Drilling	km 1427.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734282.4m E493169.4m	ELEVATION: 893m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 198	911	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.3	NP	NP	NP	1.0	38.7											
☒ 199	912	7.0 to 9.0	SILTY SAND with GRAVEL(SM)	9.8	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				
● 198	911	100.0	100.0	100.0	93.6	90.9	80.9	74.6	62.5	53.0	42.3	29.6	18.1	11.9	8.6	Gravel	Sand	Silt	Clay	
☒ 199	912	100.0	100.0	100.0	93.7	91.9	88.9	87.5	83.4	79.9	75.8	70.0	62.2	53.7	45.0	16.6	38.5	45.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

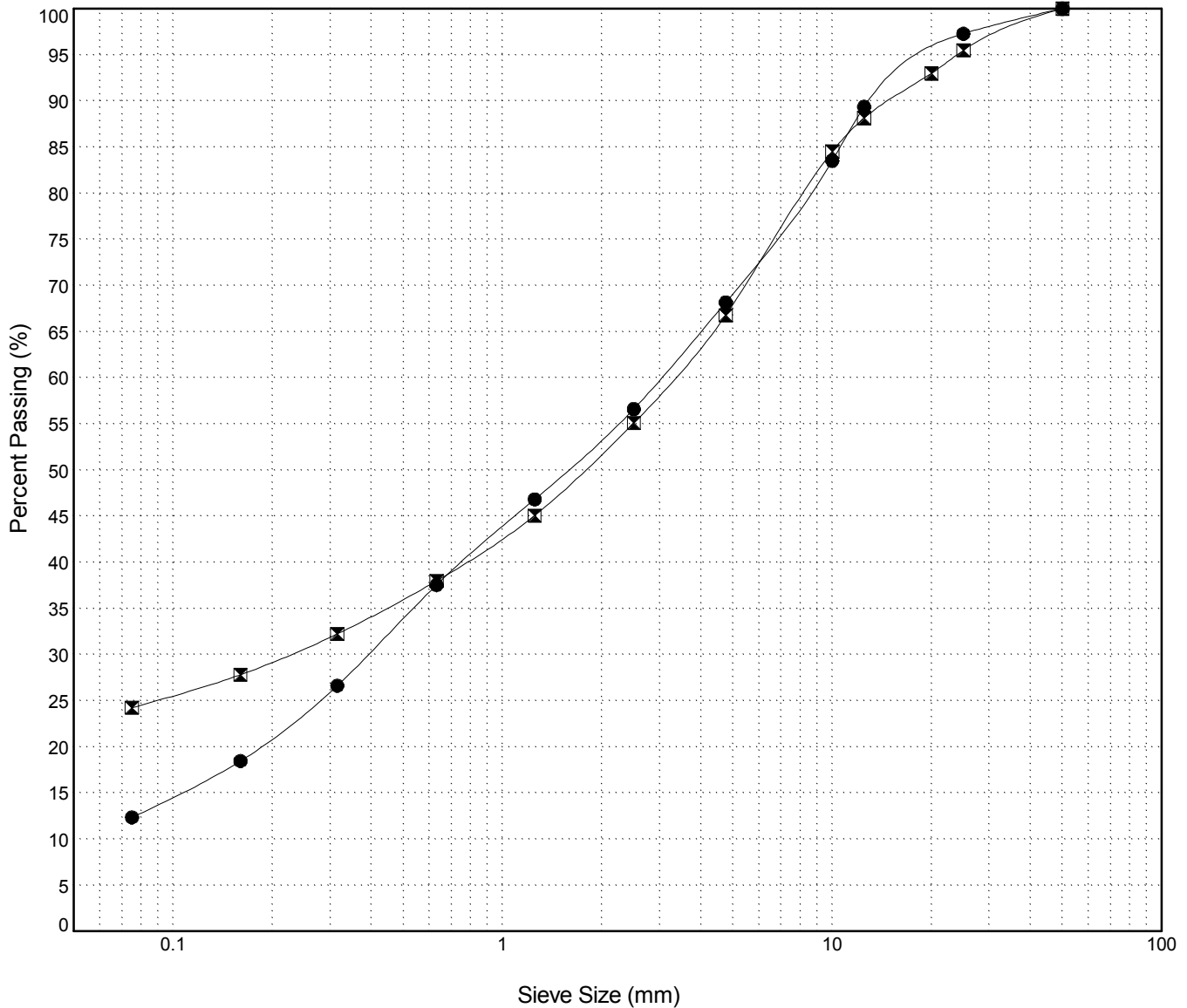


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5034
Darkside Drilling	km 1427.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734325.9m E492789m	ELEVATION: 887.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 200	913	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	1.5	NP	NP	NP	0.9	53.9											
☒ 201	914	6.0 to 8.0	SILTY SAND with GRAVEL(SM)	5.4	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				
● 200	913	100.0	100.0	100.0	97.3	94.7	89.4	83.5	68.2	56.6	46.8	37.5	26.6	18.5	12.4	Gravel	Sand	Silt	Clay	
☒ 201	914	100.0	100.0	100.0	95.5	93.0	88.1	84.5	66.8	55.1	45.1	38.0	32.2	27.8	24.2	33.2	42.5	24.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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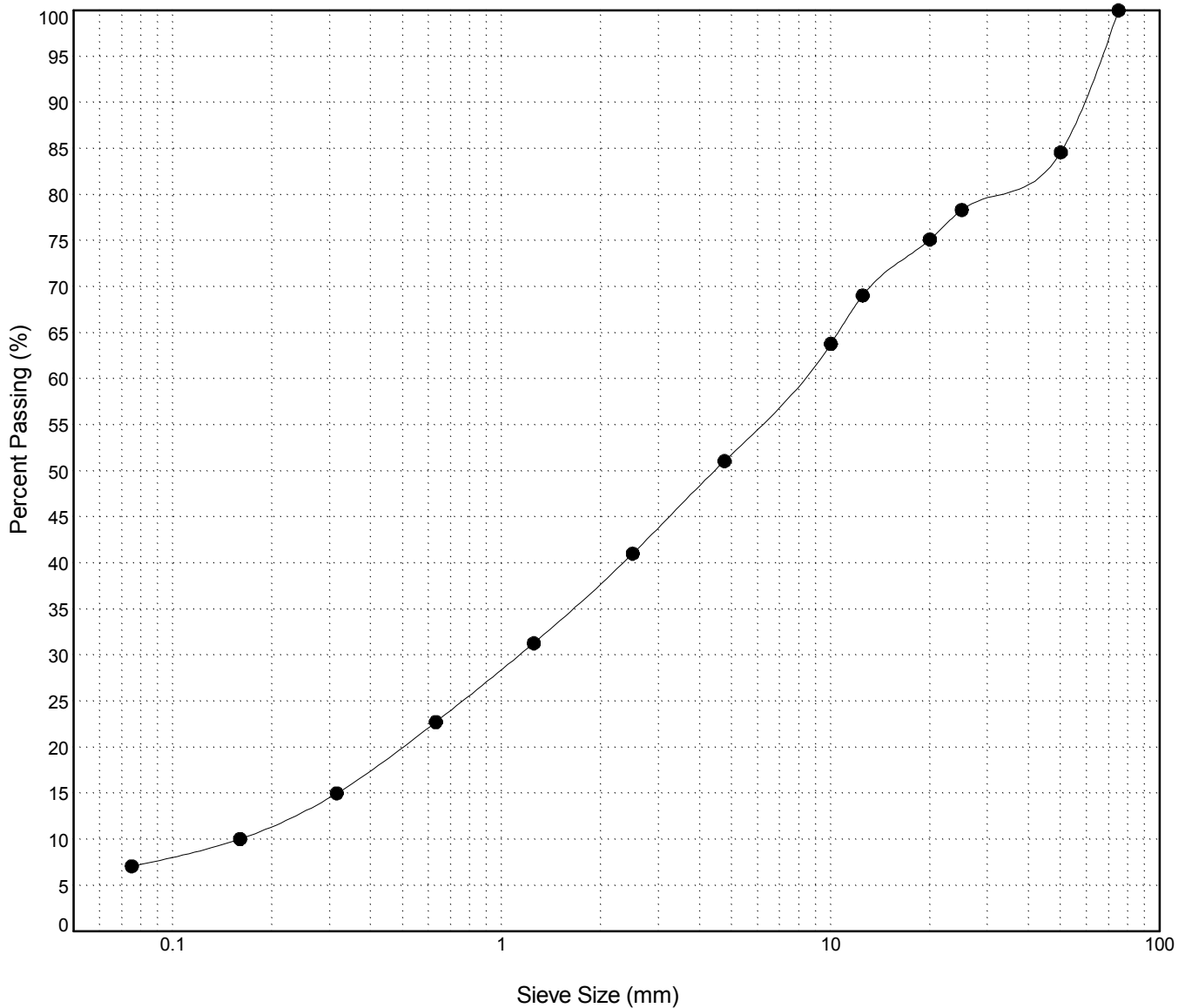
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5035
Darkside Drilling	km 1428.05	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734350.8m E492612.6m	ELEVATION: 888.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 202	915	2.5 to 3.5	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	0.7	NP	NP	NP	1.0	50.6										
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			
● 202	915	100.0	100.0	84.6	78.3	75.1	69.0	63.8	51.1	41.0	31.3	22.7	15.0	10.0	7.1	48.9	44.0	7.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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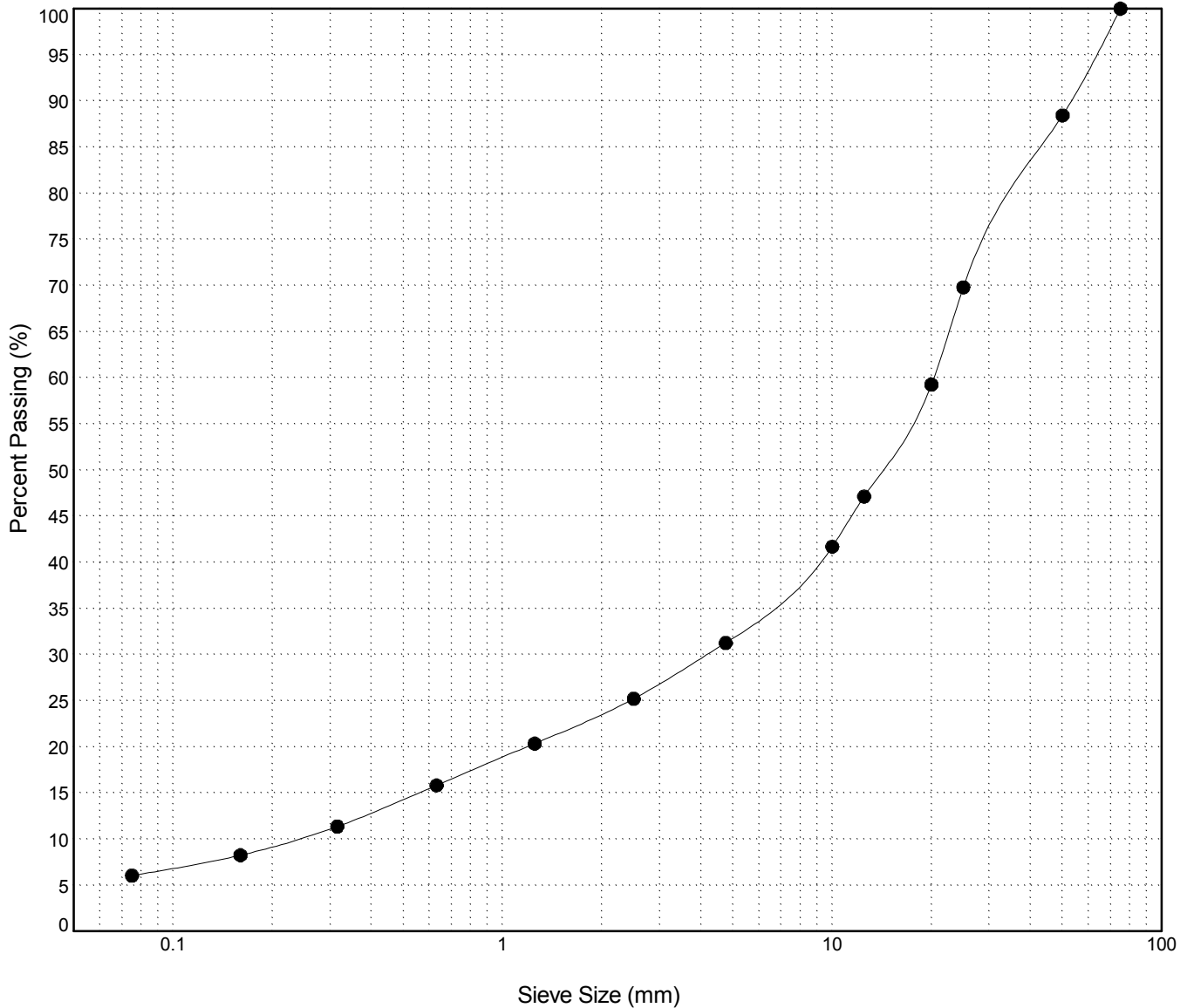
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5036
Darkside Drilling	km 1428.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734420.7m E492419.7m	ELEVATION: 890.2m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u										
● 204	917	2.0 to 3.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	0.8	NP	NP	NP	3.6	86.8										
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			
● 204	917	100.0	100.0	88.4	69.8	59.3	47.1	41.7	31.3	25.2	20.3	15.8	11.4	8.2	6.0	Gravel	Sand	Silt	Clay
																68.7	25.2	6.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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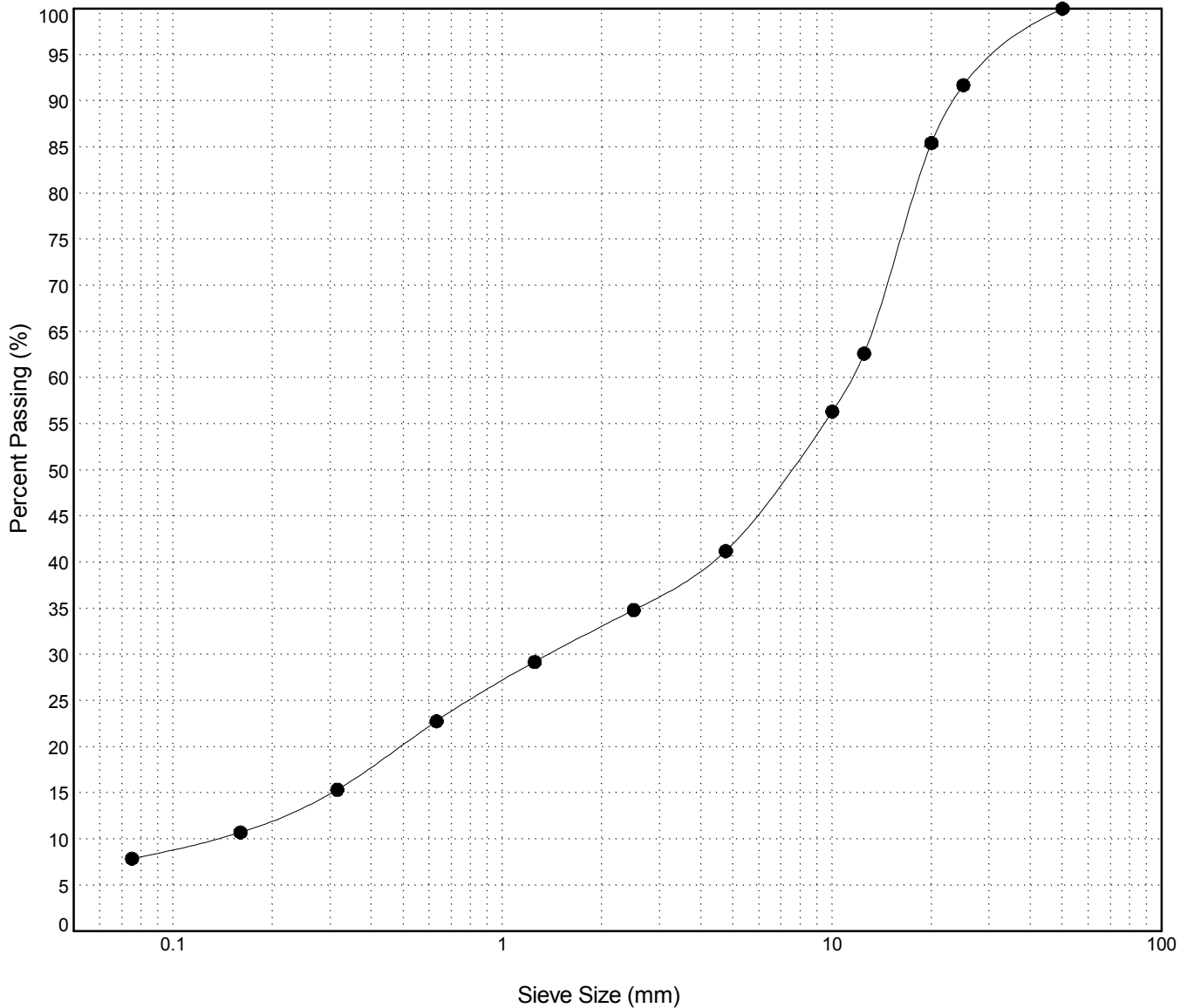
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5037
Darkside Drilling	km 1428.45	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734540.4m E492290.8m	ELEVATION: 895.6m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 205	918	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.3	NP	NP	NP	1.3	86.2										
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			
● 205	918	100.0	100.0	100.0	91.7	85.4	62.6	56.3	41.2	34.8	29.2	22.8	15.4	10.7	7.9	Gravel	Sand	Silt	Clay
																58.8	33.3	7.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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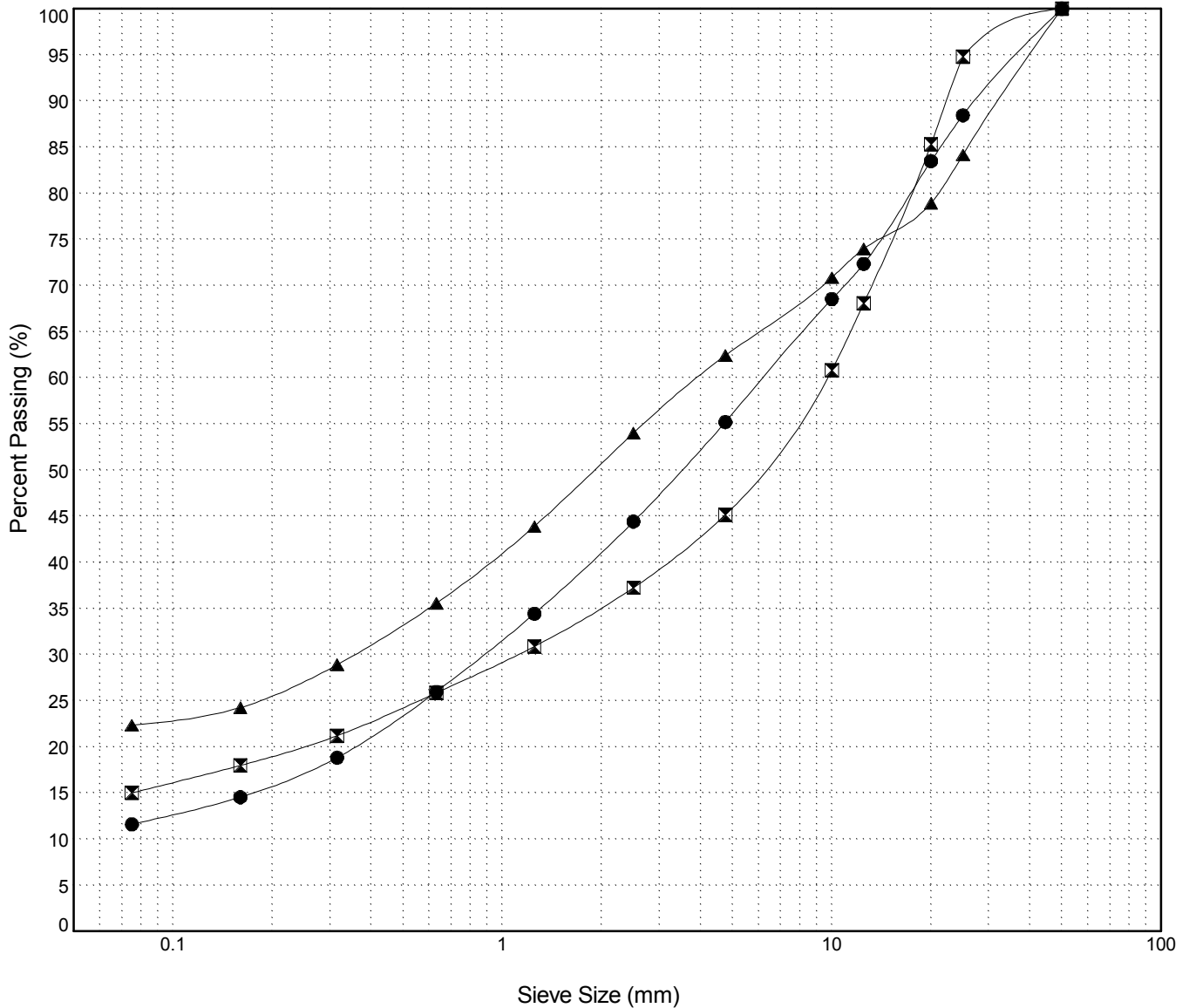
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5038
Darkside Drilling	km 1428.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734737.7m E492212.6m	ELEVATION: 893.4m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 206	919	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.1	NP	NP	NP	2.5	125.3
☒ 207	920	5.5 to 6.5	SILTY GRAVEL with SAND(GM)	6.7	NP	NP	NP		
▲ 208	921	8.0 to 9.0	SILTY SAND with GRAVEL(SM)	50.2	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
● 206	919	100.0	100.0	100.0	100.0	88.4	83.5	72.3	68.5	55.2	44.4	34.4	26.0	18.8	14.5	11.6	44.8	43.6	11.6	
☒ 207	920	100.0	100.0	100.0	94.8	85.3	68.0	60.8	45.1	37.2	30.9	25.8	21.2	18.0	15.0	54.9	30.1	15.0		
▲ 208	921	100.0	100.0	100.0	84.2	78.9	74.0	70.9	62.4	54.0	43.9	35.6	28.9	24.2	22.3	37.6	40.1	22.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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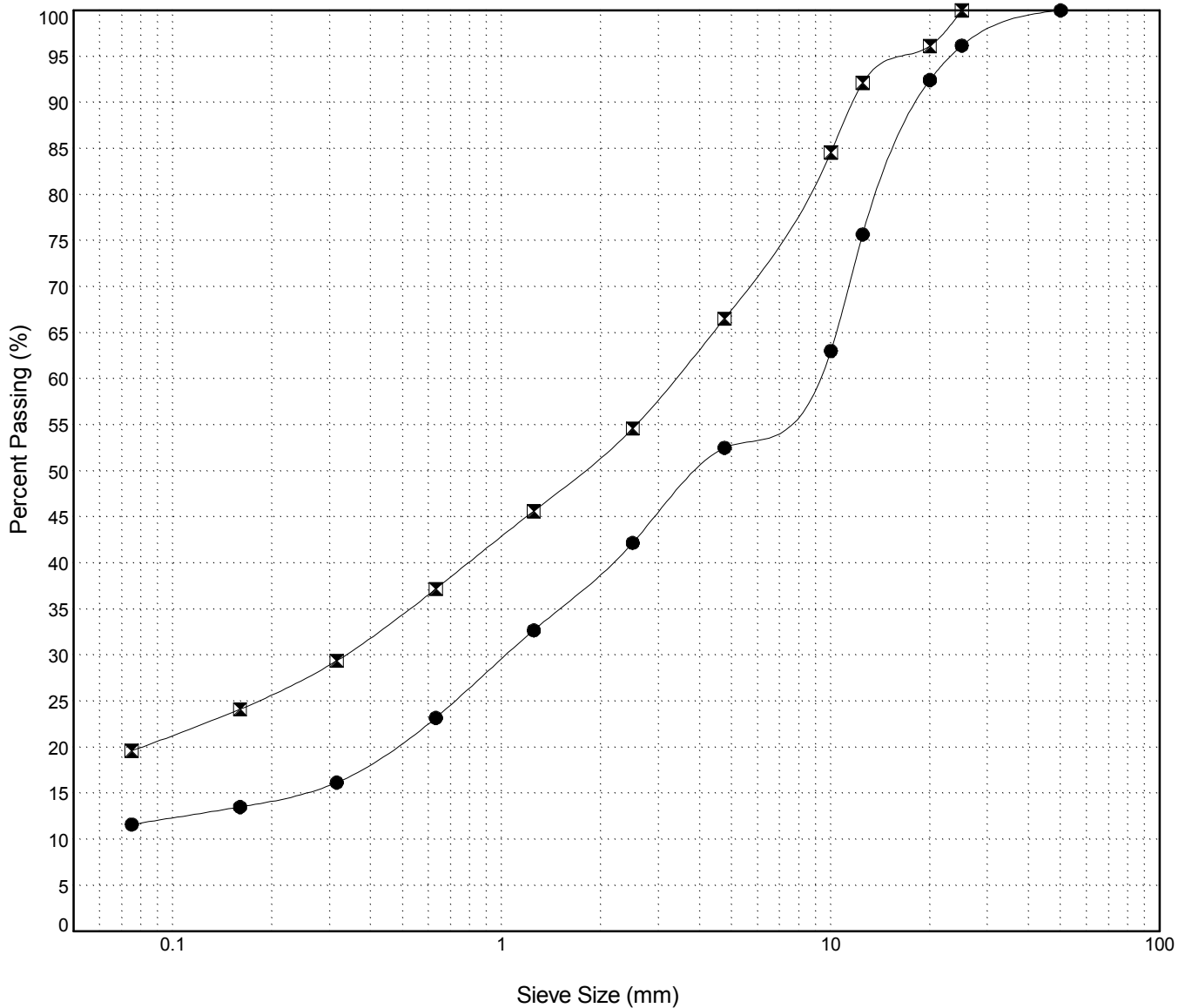
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5039
Darkside Drilling	km 1428.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6734990.8m E492192.7m	ELEVATION: 898.1m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 209	922	1.0 to 3.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.8	NP	NP	NP	3.3	205.3											
☒ 210	923	8.5 to 9.5	SILTY SAND with GRAVEL(SM)	2.3	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	
● 209	922	100.0	100.0	100.0	96.2	92.4	75.7	63.0	52.5	42.2	32.7	23.2	16.2	13.5	11.6	47.5	40.9	11.6		
☒ 210	923	100.0	100.0	100.0	100.0	96.1	92.1	84.6	66.5	54.6	45.6	37.2	29.4	24.1	19.6	33.5	46.9	19.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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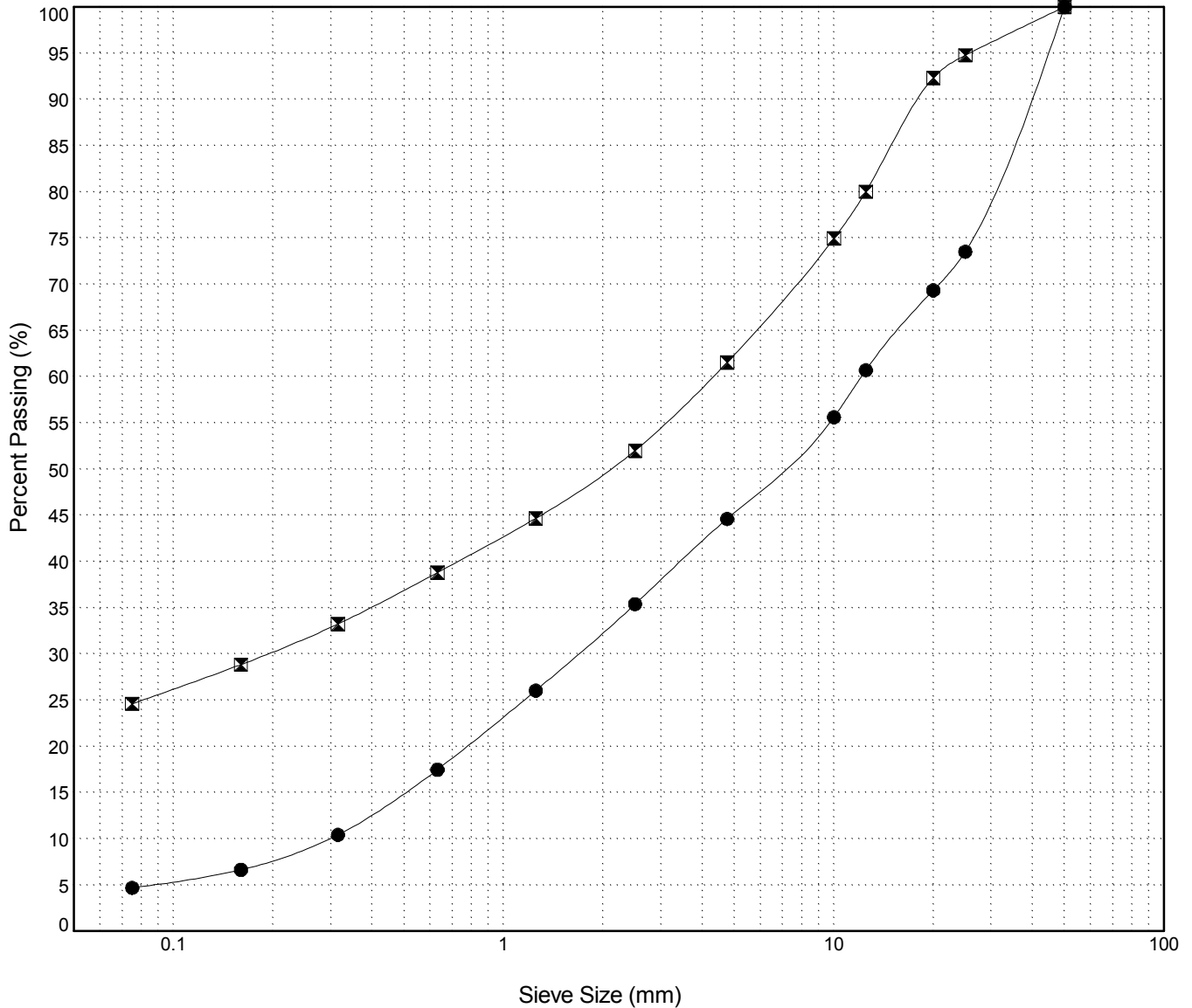
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5040
Darkside Drilling	km 1429.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6735298.6m E492195.9m	ELEVATION: 899.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 211	924	2.0 to 5.0	POORLY GRADED GRAVEL with SAND(GP)	0.7	NP	NP	NP	0.8	41.5											
☒ 212	925	8.0 to 9.0	SILTY GRAVEL with SAND(GM)	9.8	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	
● 211	924	100.0	100.0	100.0	73.5	69.3	60.7	55.6	44.6	35.4	26.0	17.5	10.4	6.6	4.7	55.4	39.9	4.7		
☒ 212	925	100.0	100.0	100.0	94.8	92.3	80.0	74.9	61.5	52.0	44.7	38.8	33.2	28.8	24.6	38.5	36.9	24.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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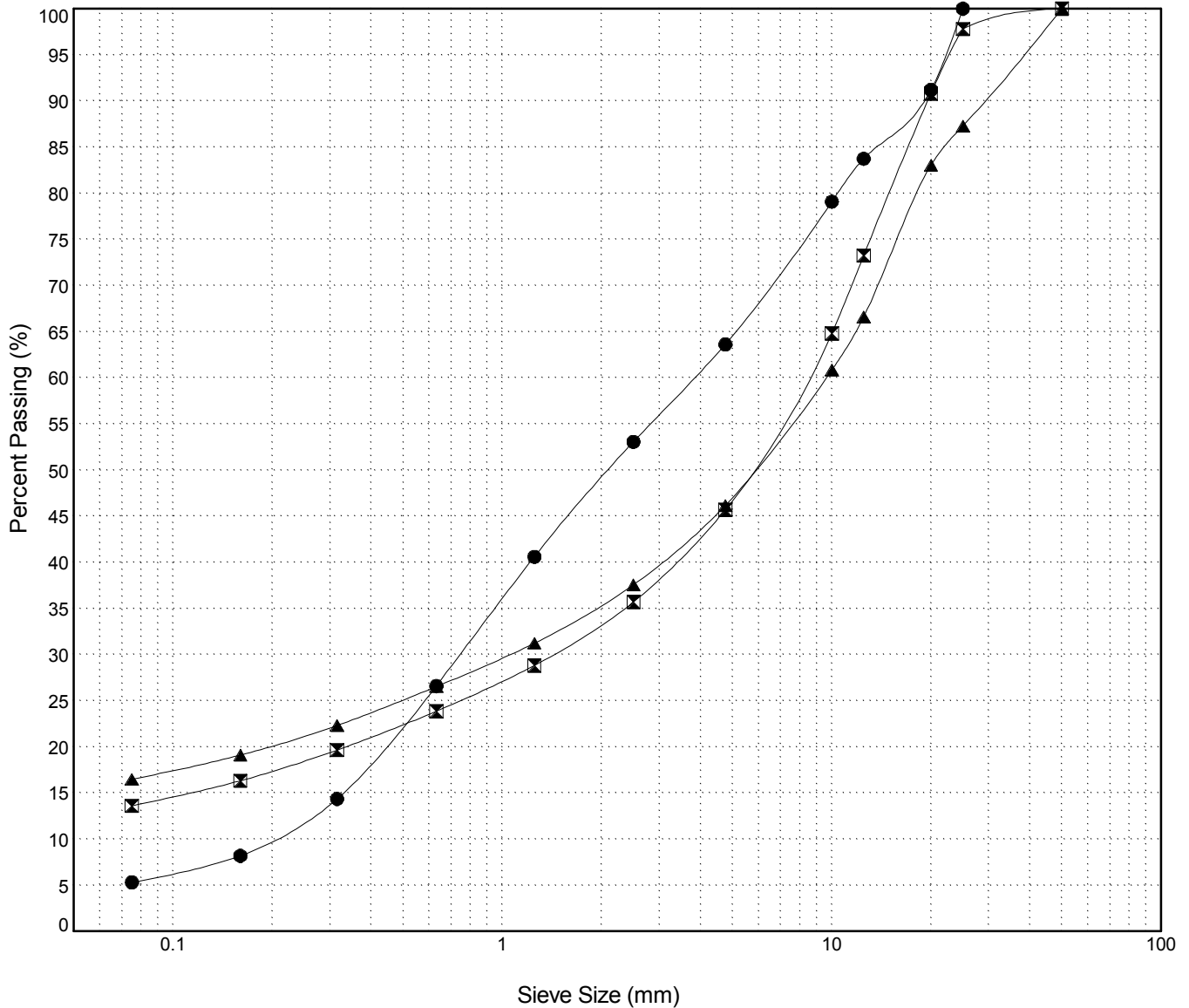
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5041
Darkside Drilling	km 1429.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6735560.9m E492232.3m	ELEVATION: 896.7m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 213	926	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.5	NP	NP	NP	0.7	19.5
☒ 214	927	7.0 to 9.0	SILTY GRAVEL with SAND(GM)	5.4	NP	NP	NP		
▲ 215	928	10.0 to 12.0	SILTY GRAVEL with SAND(GM)	7.3	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
● 213	926	100.0	100.0	100.0	100.0	91.2	83.7	79.1	63.6	53.0	40.6	26.6	14.4	8.2	5.3	36.4	58.3	5.3	
☒ 214	927	100.0	100.0	100.0	97.8	90.8	73.2	64.8	45.7	35.7	28.8	23.9	19.7	16.3	13.6	54.3	32.1	13.6	
▲ 215	928	100.0	100.0	100.0	87.3	83.0	66.6	60.8	46.2	37.6	31.2	26.5	22.3	19.1	16.5	53.8	29.7	16.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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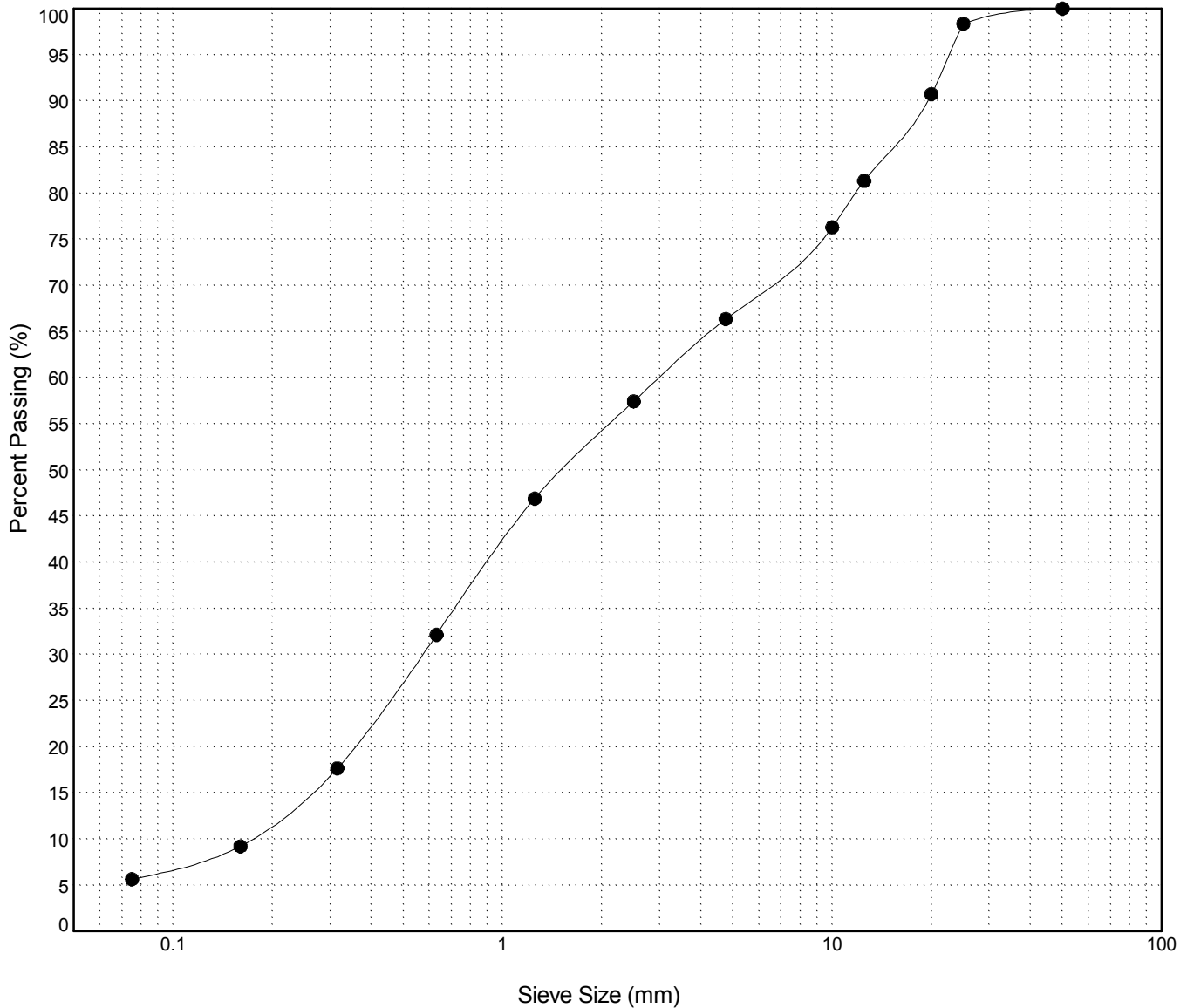
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5042
Darkside Drilling	km 1429.8	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6735856.7m E492277.9m	ELEVATION: 897m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 216	929	1.5 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.6	NP	NP	NP	0.6	17.6											
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				
● 216	929	100.0	100.0	100.0	98.4	90.7	81.3	76.3	66.4	57.4	46.9	32.1	17.7	9.2	5.7	Gravel	Sand	Silt	Clay	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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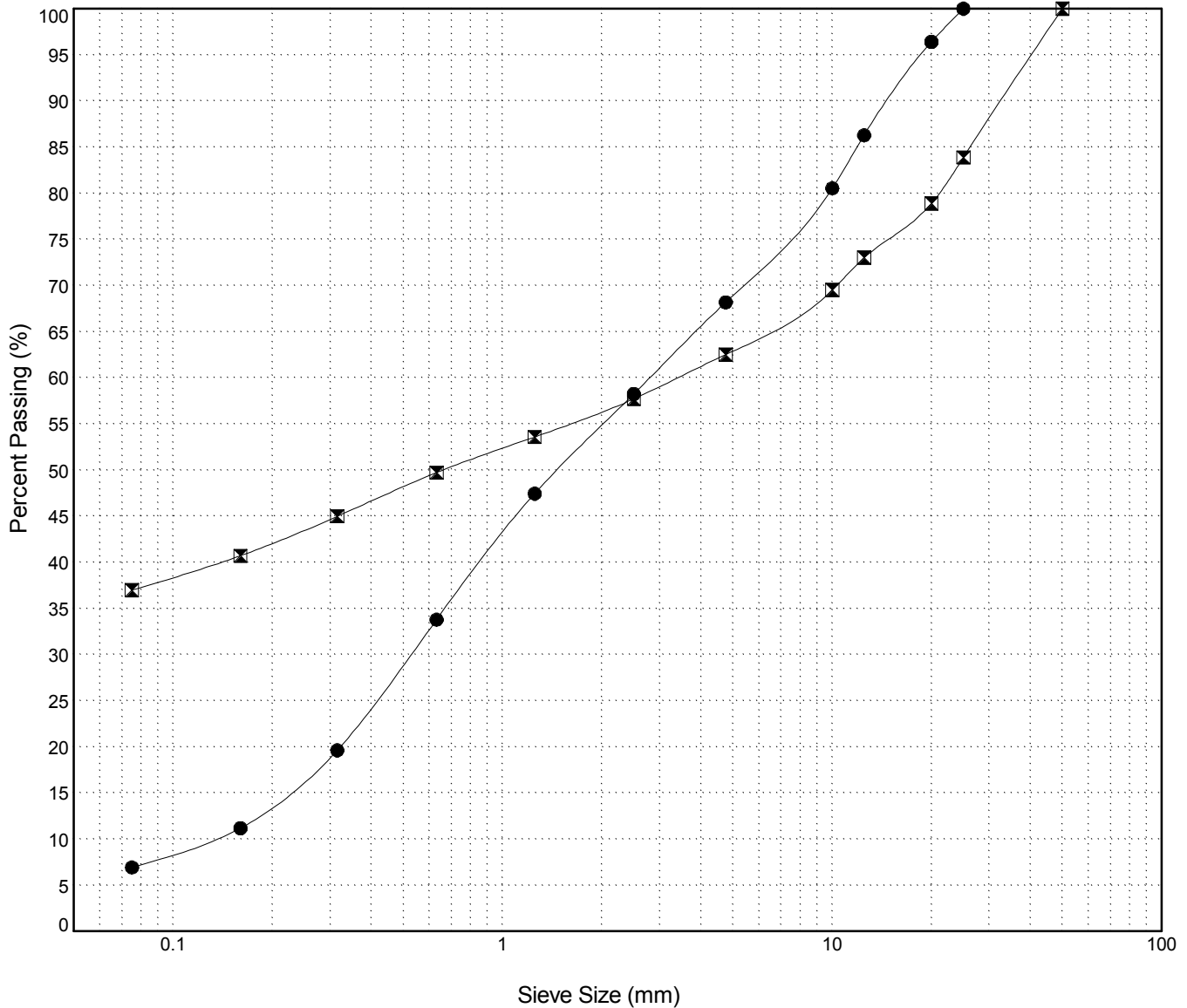
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5043
Darkside Drilling	km 1430.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6736150m E492322.7m	ELEVATION: 903.5m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u									
● 217	930	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.4	NP	NP	NP	0.8	21.6									
☒ 218	931	12.0 to 14.0	SILTY GRAVEL with SAND(GM)	10.8	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		
● 217	930	100.0	100.0	100.0	100.0	96.4	86.3	80.5	68.2	58.2	47.4	33.8	19.6	11.2	6.9	Gravel	Sand	Silt Clay
☒ 218	931	100.0	100.0	100.0	83.9	78.9	73.0	69.5	62.5	57.7	53.6	49.7	45.0	40.7	37.0	31.8	61.2	6.9

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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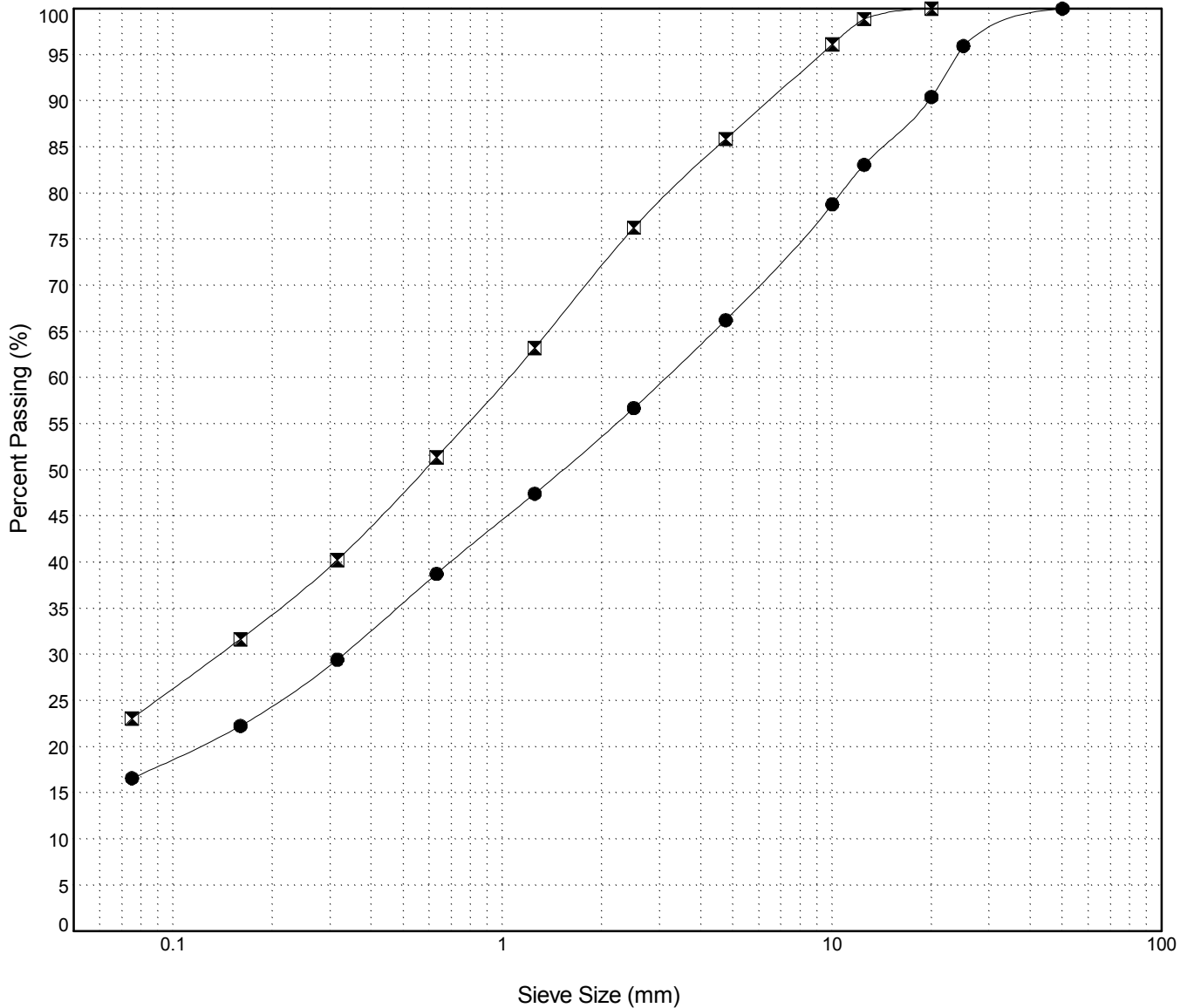
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5044
Darkside Drilling	km 1430.4	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6736447.6m E492256.9m	ELEVATION: 900.2m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 219	932	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	3.1	NP	NP	NP													
☒ 220	933	8.0 to 9.0	SILTY SAND(SM)	9.0	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				
● 219	932	100.0	100.0	100.0	96.0	90.4	83.1	78.8	66.2	56.7	47.4	38.8	29.4	22.3	16.6	Gravel	Sand	Silt	Clay	
☒ 220	933	100.0	100.0	100.0	100.0	100.0	98.9	96.1	85.9	76.3	63.2	51.4	40.3	31.7	23.1	14.1	62.8	23.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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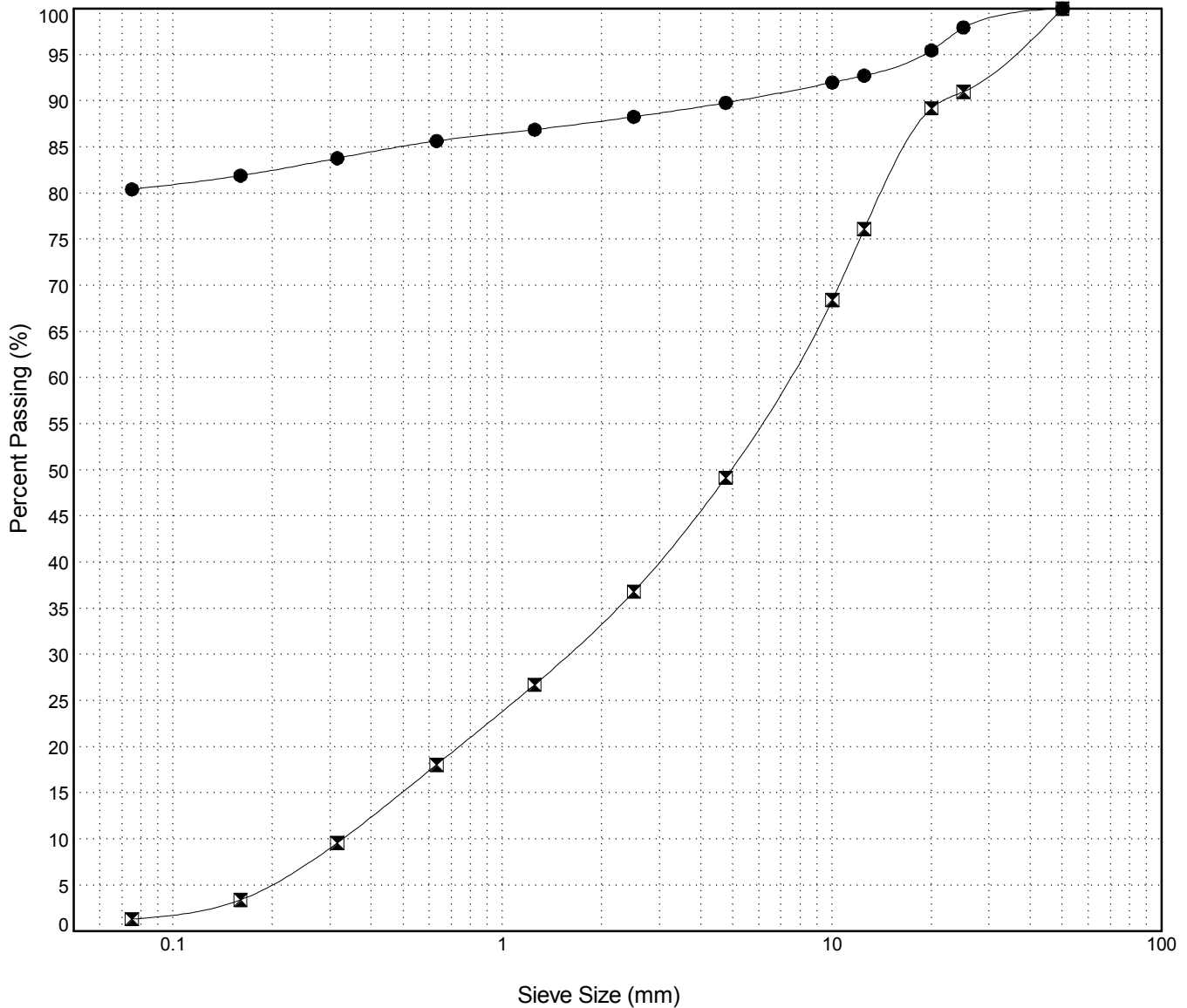
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5045
Darkside Drilling	km 1430.75	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6736738.2m E492117.4m	ELEVATION: 901.9m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 221	934	2.0 to 4.0	SILT with GRAVEL(ML)	2.4	NP	NP	NP													
☒ 222	935	8.0 to 9.0	WELL-GRADED GRAVEL with SAND(GW)	18.6	NP	NP	NP	1.0	22.2											
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	
● 221	934	100.0	100.0	100.0	98.0	95.5	92.7	92.0	89.8	88.3	86.9	85.7	83.8	81.9	80.4	10.2	9.4	80.4		
☒ 222	935	100.0	100.0	100.0	91.0	89.2	76.1	68.4	49.2	36.8	26.7	18.1	9.6	3.4	1.3	50.8	47.8	1.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

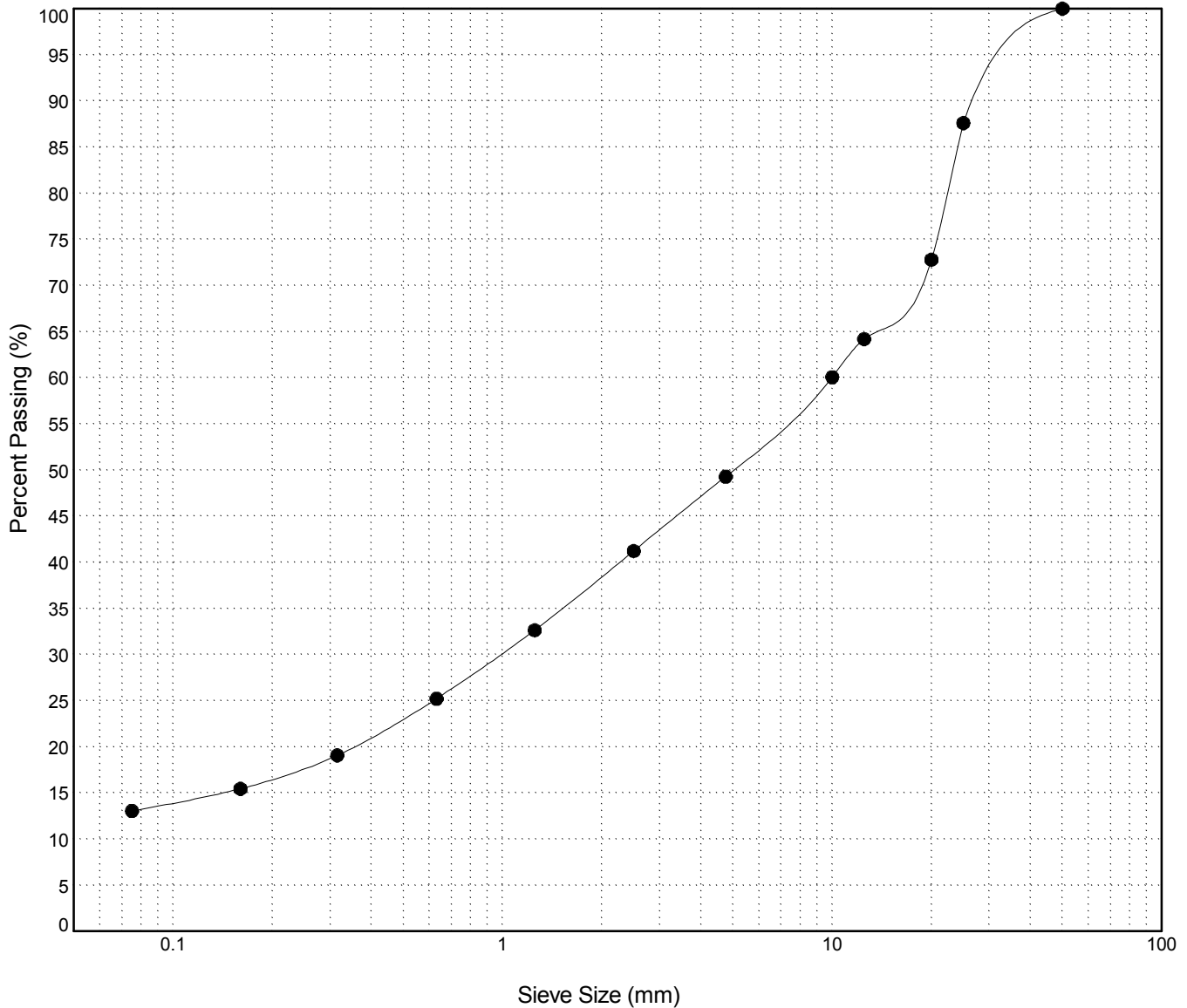


GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5046
Darkside Drilling	km 1431.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6737150.9m E491948.2m	ELEVATION: 904.6m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 223	936	2.0 to 4.0	SILTY GRAVEL with SAND(GM)											2.9	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				
● 223	936	100.0	100.0	100.0	87.6	72.8	64.2	60.1	49.3	41.2	32.6	25.2	19.1	15.5	13.1	Gravel	Sand	Silt	Clay	
																50.7	36.2	13.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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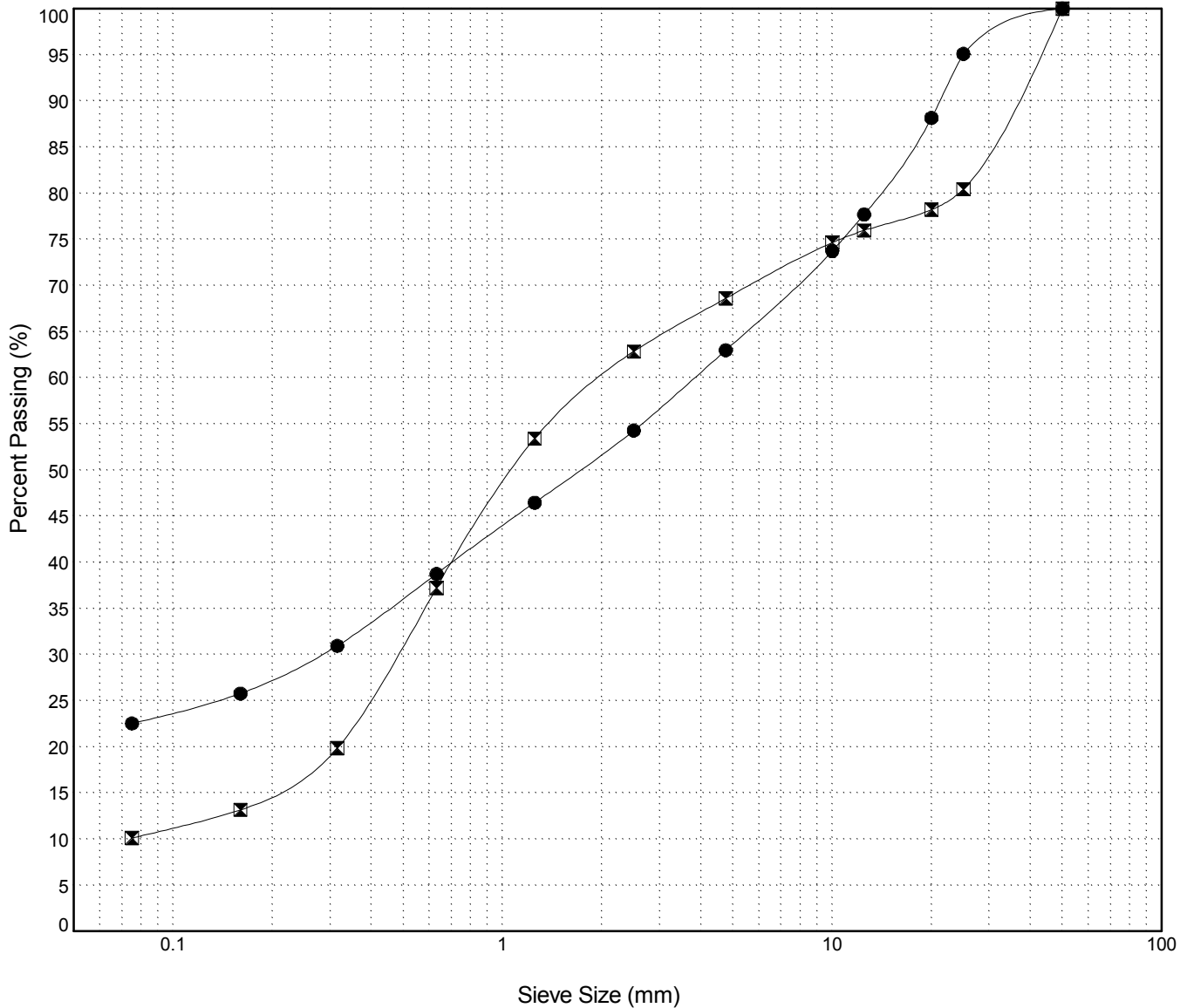
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5047
Darkside Drilling	km 1431.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6737387.7m E491839.4m	ELEVATION: 902.6m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 224	937	2.0 to 4.0	SILTY SAND with GRAVEL(SM)	4.6	NP	NP	NP													
☒ 225	938	8.0 to 10.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.7	NP	NP	NP	1.5	28.0											
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				
● 224	937	100.0	100.0	100.0	95.1	88.2	77.7	73.7	63.0	54.3	46.5	38.7	30.9	25.8	22.5	Gravel	Sand	Silt	Clay	
☒ 225	938	100.0	100.0	100.0	80.4	78.2	76.0	74.6	68.6	62.8	53.4	37.2	19.8	13.2	10.1	31.4	58.5	10.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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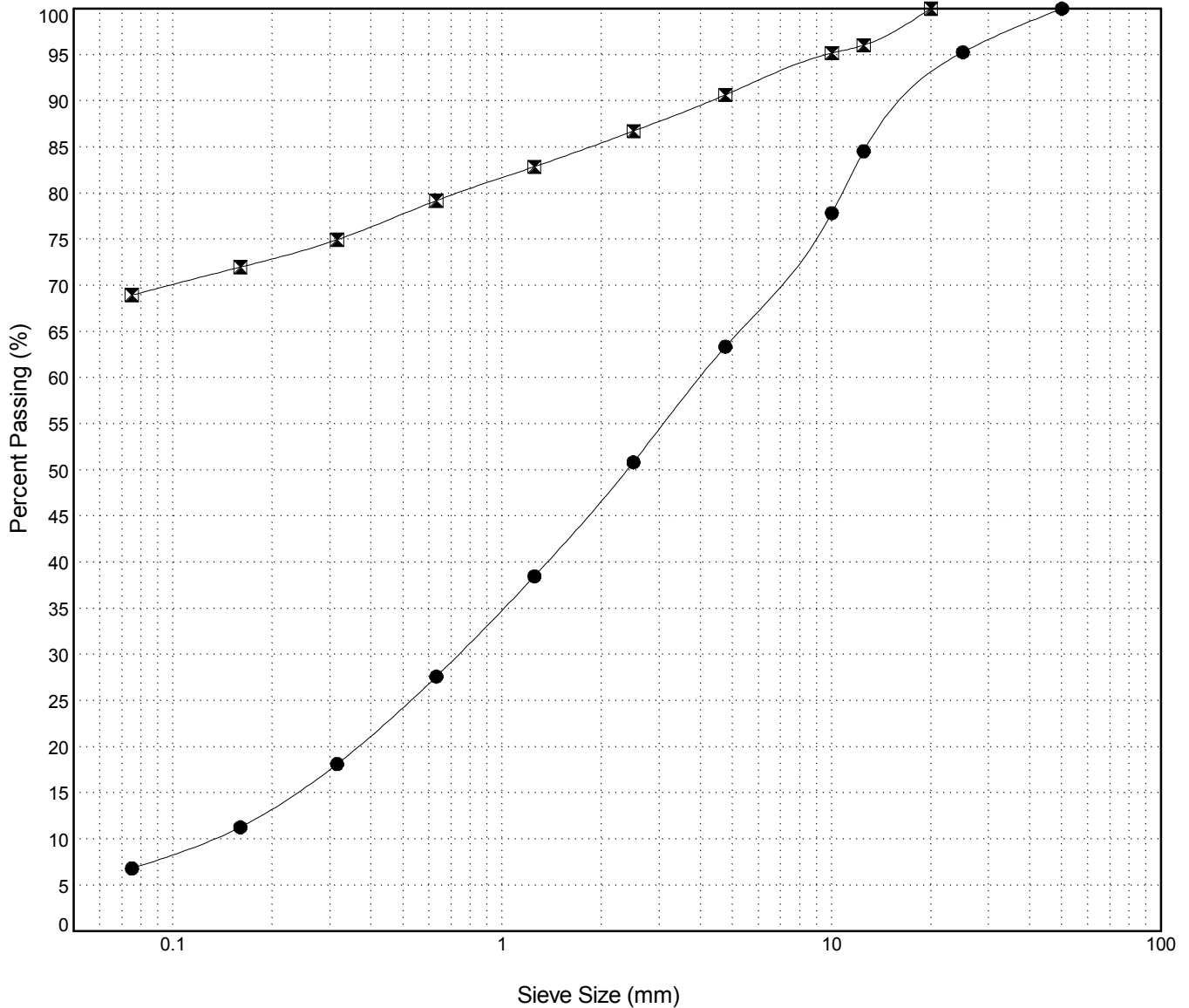
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5048
Darkside Drilling	km 1431.65	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6737576.3m E491751m	ELEVATION: 898.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 226	939	2.0 to 4.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.1	NP	NP	NP	1.0	31.1										
☒ 227	940	8.0 to 10.0	SANDY SILT(ML)	13.2	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			
● 226	939	100.0	100.0	100.0	95.3	91.8	84.5	77.8	63.4	50.8	38.5	27.6	18.1	11.3	6.8	Gravel	Sand	Silt	Clay
☒ 227	940	100.0	100.0	100.0	100.0	96.0	95.2	90.6	86.7	82.9	79.2	74.9	72.0	69.0	9.4	21.7	69.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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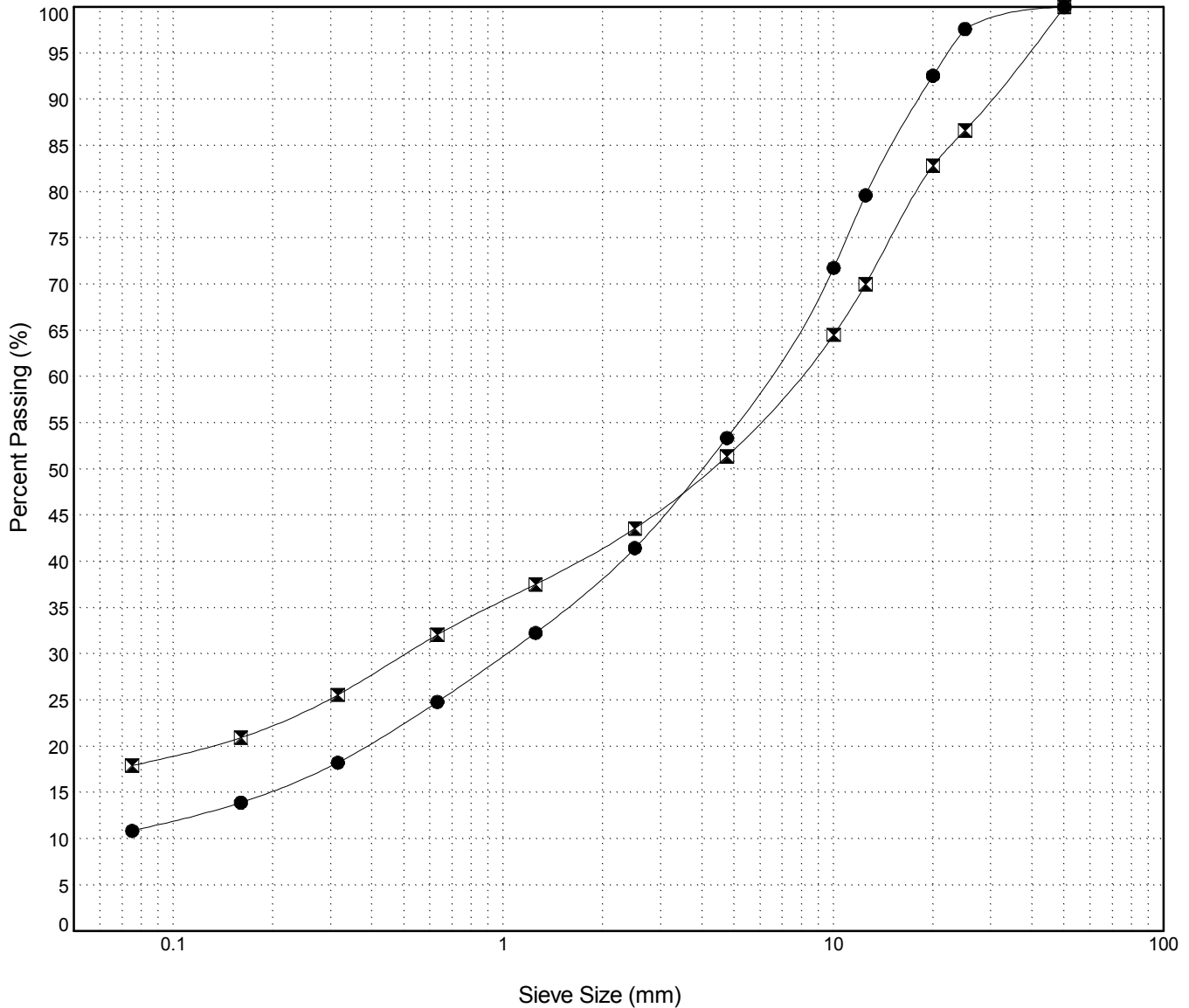
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 845-5049
Darkside Drilling	km 1432	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates: Z08V N6737834.4m E491535.1m	ELEVATION: 901.2m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 228	941	2.0 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.5	NP	NP	NP	2.7	102.7											
☒ 229	942	8.0 to 10.0	SILTY GRAVEL with SAND(GM)	3.8	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				
● 228	941	100.0	100.0	100.0	97.6	92.6	79.6	71.8	53.4	41.5	32.3	24.8	18.2	13.9	10.9	Gravel	Sand	Silt	Clay	
☒ 229	942	100.0	100.0	100.0	86.6	82.8	70.0	64.5	51.4	43.6	37.5	32.1	25.6	20.9	17.9	48.6	42.5	10.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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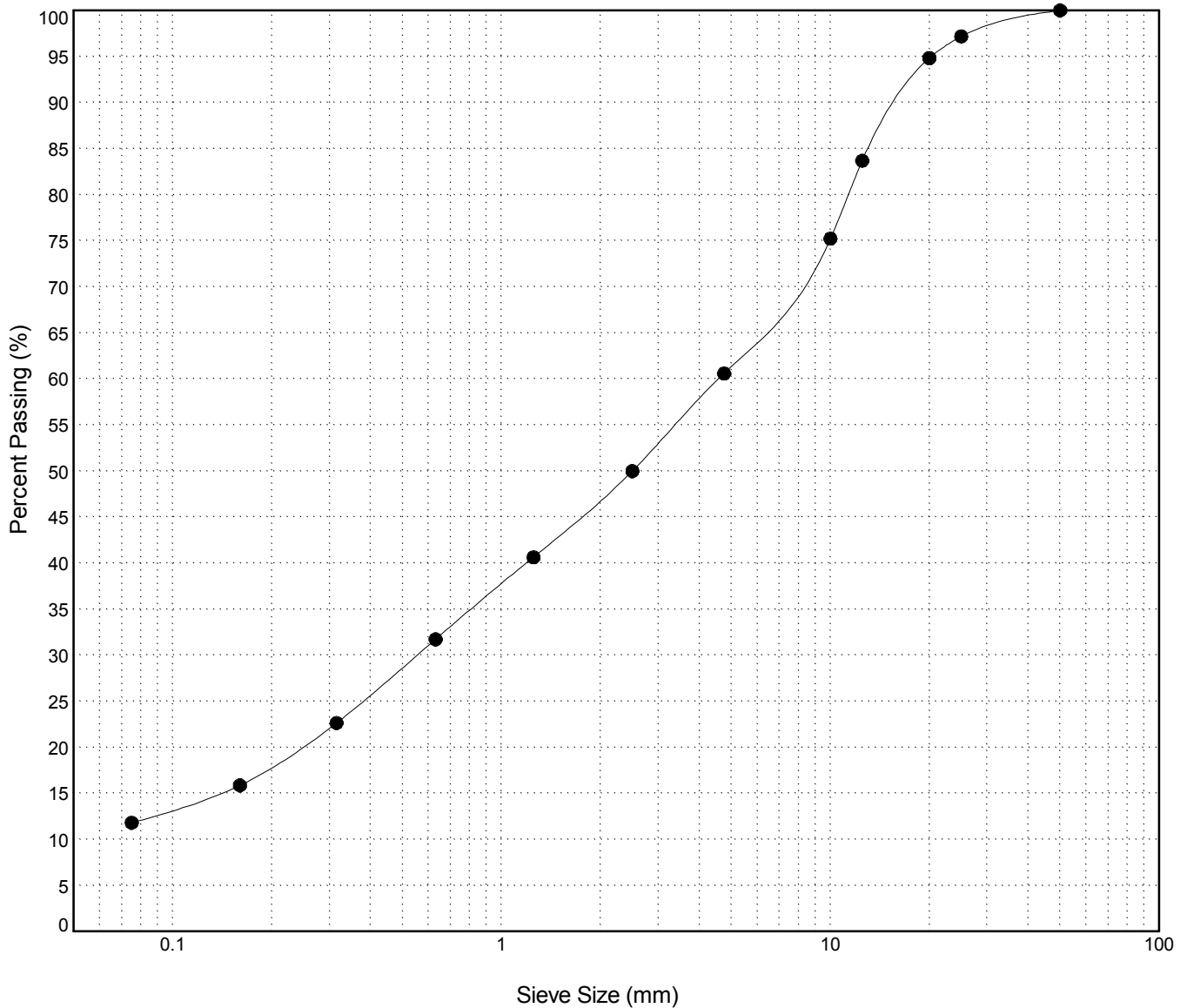
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5050
Darkside Drilling	km 1432.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6738021.2m E491335.8m	ELEVATION: 902.3m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 230	943	2.0 to 3.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.1	NP	NP	NP	1.2	85.7											
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				
● 230	943	100.0	100.0	100.0	97.2	94.8	83.7	75.2	60.6	50.0	40.6	31.7	22.6	15.9	11.8	Gravel	Sand	Silt	Clay	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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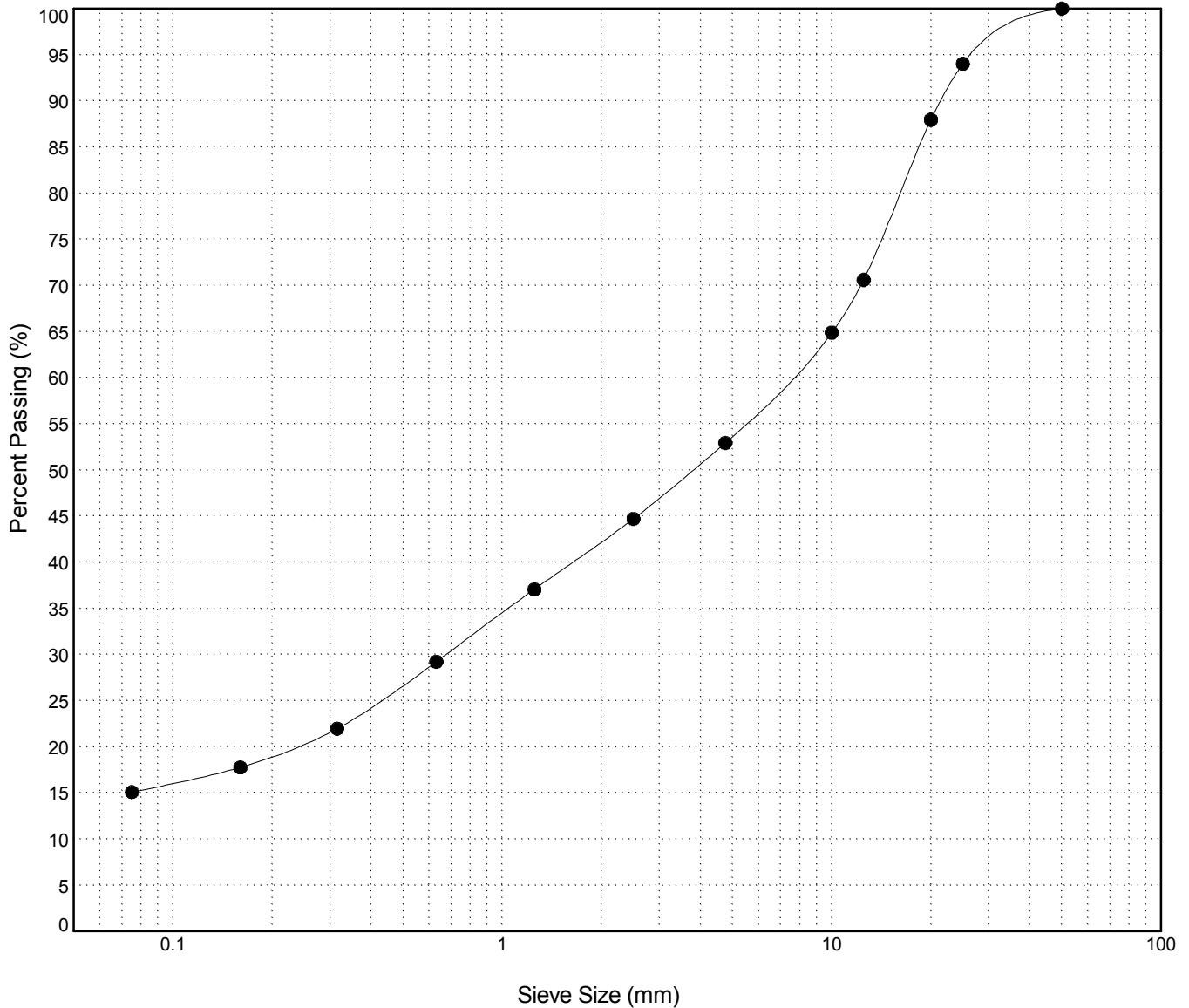
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5051
Darkside Drilling	km 1432.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6738218.1m E491209.8m	ELEVATION: 897.9m

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Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 231	944	2.0 to 4.0	SILTY GRAVEL with SAND(GM)											2.6	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			
● 231	944	% PASSING	100.0	100.0	100.0	94.0	88.0	70.6	64.9	52.9	44.7	37.1	29.2	22.0	17.8	15.1	Gravel	Sand	Silt	Clay
																	47.1	37.8	15.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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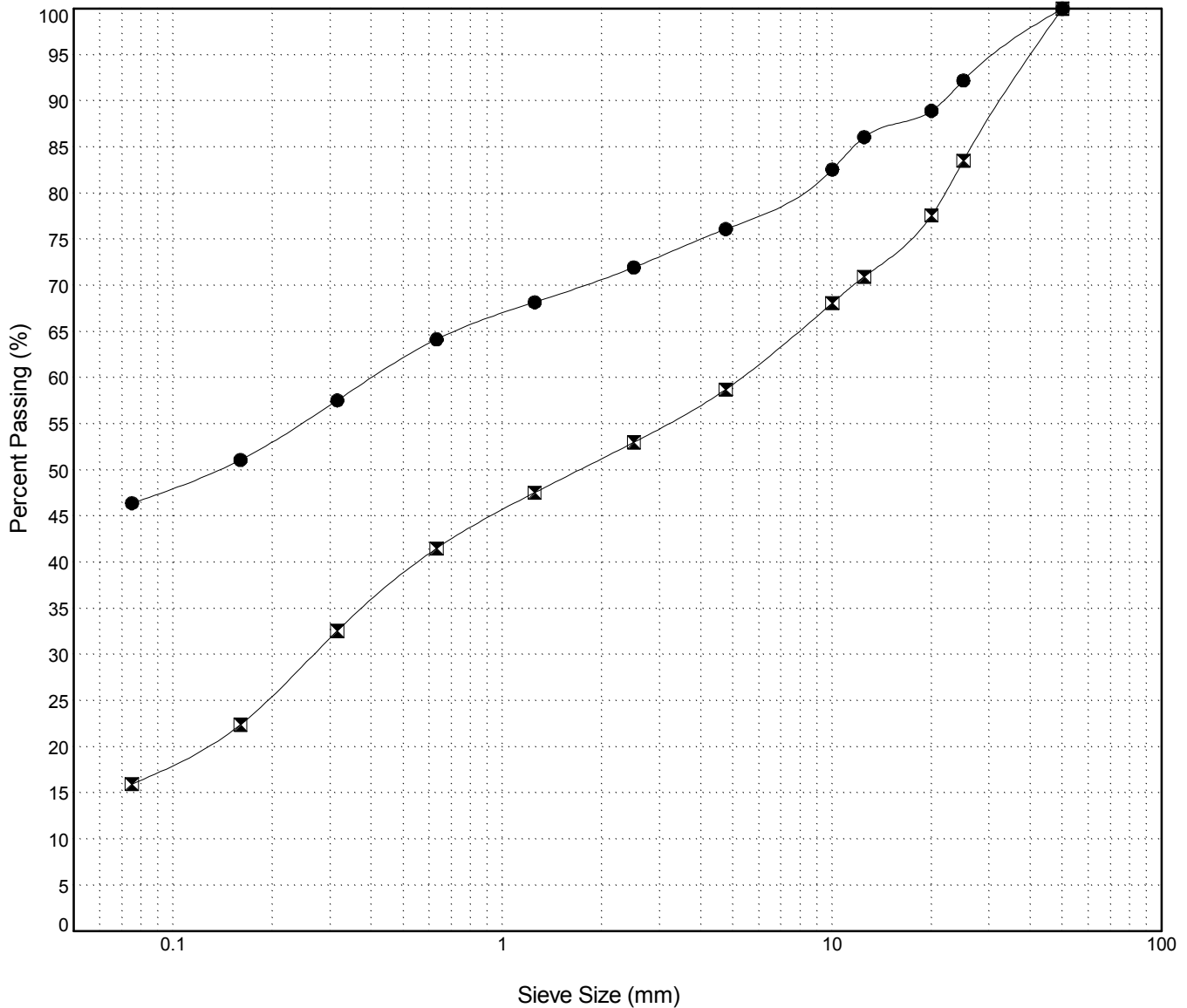
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5052
Darkside Drilling	km 1432.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6738590.9m E4911110.2m	ELEVATION: 907.2m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 232	945	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	10.3	NP	NP	NP													
☒ 233	946	8.0 to 9.0	SILTY SAND with GRAVEL(SM)	3.1	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				
● 232	945	100.0	100.0	100.0	92.2	88.9	86.1	82.6	76.1	72.0	68.2	64.2	57.6	51.1	46.4	Gravel	Sand	Silt	Clay	
☒ 233	946	100.0	100.0	100.0	83.5	77.6	70.9	68.1	58.7	53.0	47.5	41.5	32.6	22.4	16.0	41.3	42.8	16.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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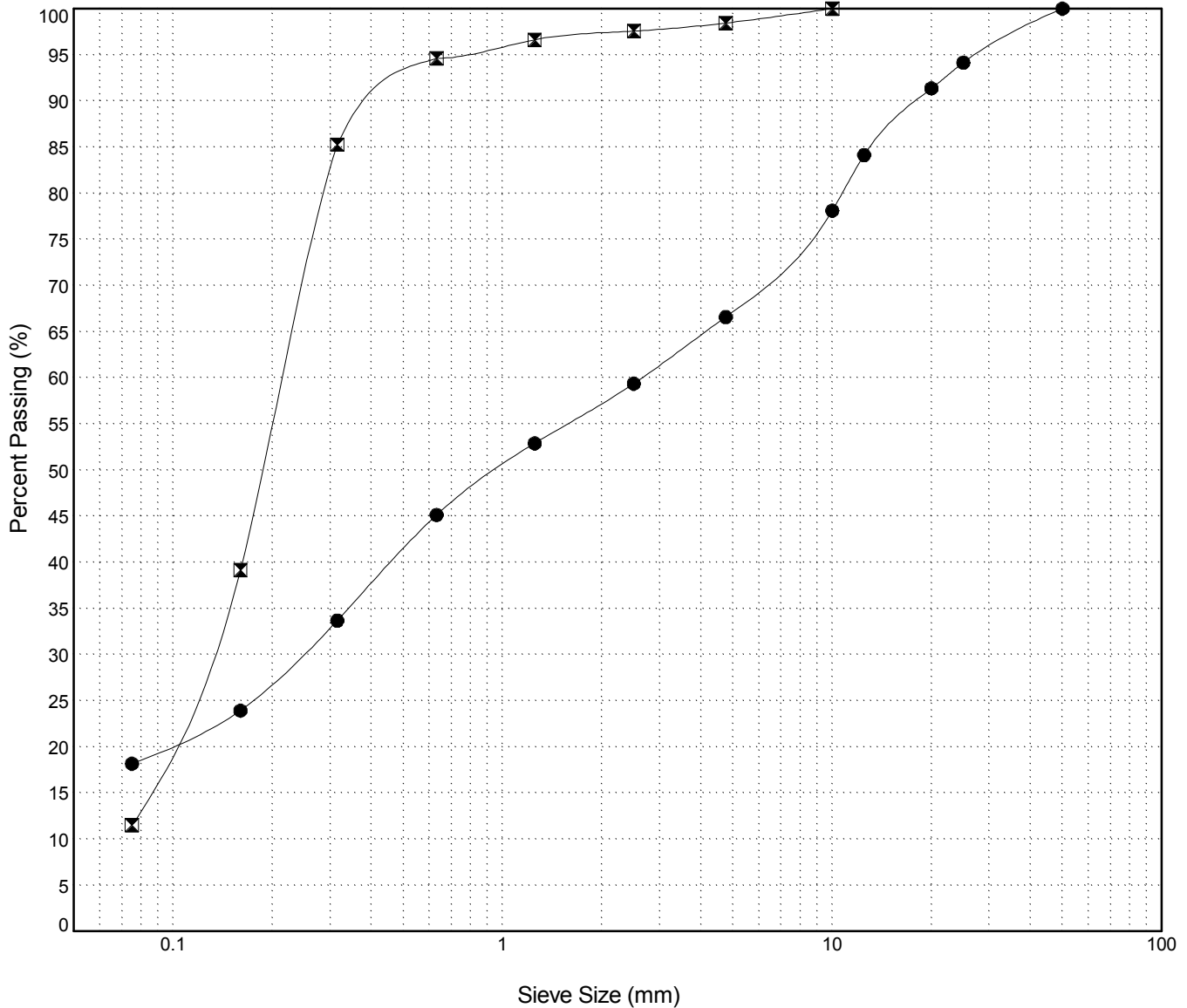
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5053
Darkside Drilling	km 1433.2	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6738847.3m E491048.3m	ELEVATION: 899.8m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 235	948	2.0 to 3.0	SILTY SAND with GRAVEL(SM)	4.5	NP	NP	NP													
☒ 236	949	8.0 to 9.0	POORLY GRADED SAND with SILT(SP-SM)	1.4	NP	NP	NP	1.0	3.0											
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				
● 235	948	100.0	100.0	100.0	94.2	91.4	84.1	78.1	66.6	59.4	52.9	45.1	33.7	23.9	18.2	Gravel	Sand	Silt	Clay	
☒ 236	949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4	97.6	96.6	94.6	85.3	39.1	11.5	1.6	86.9	11.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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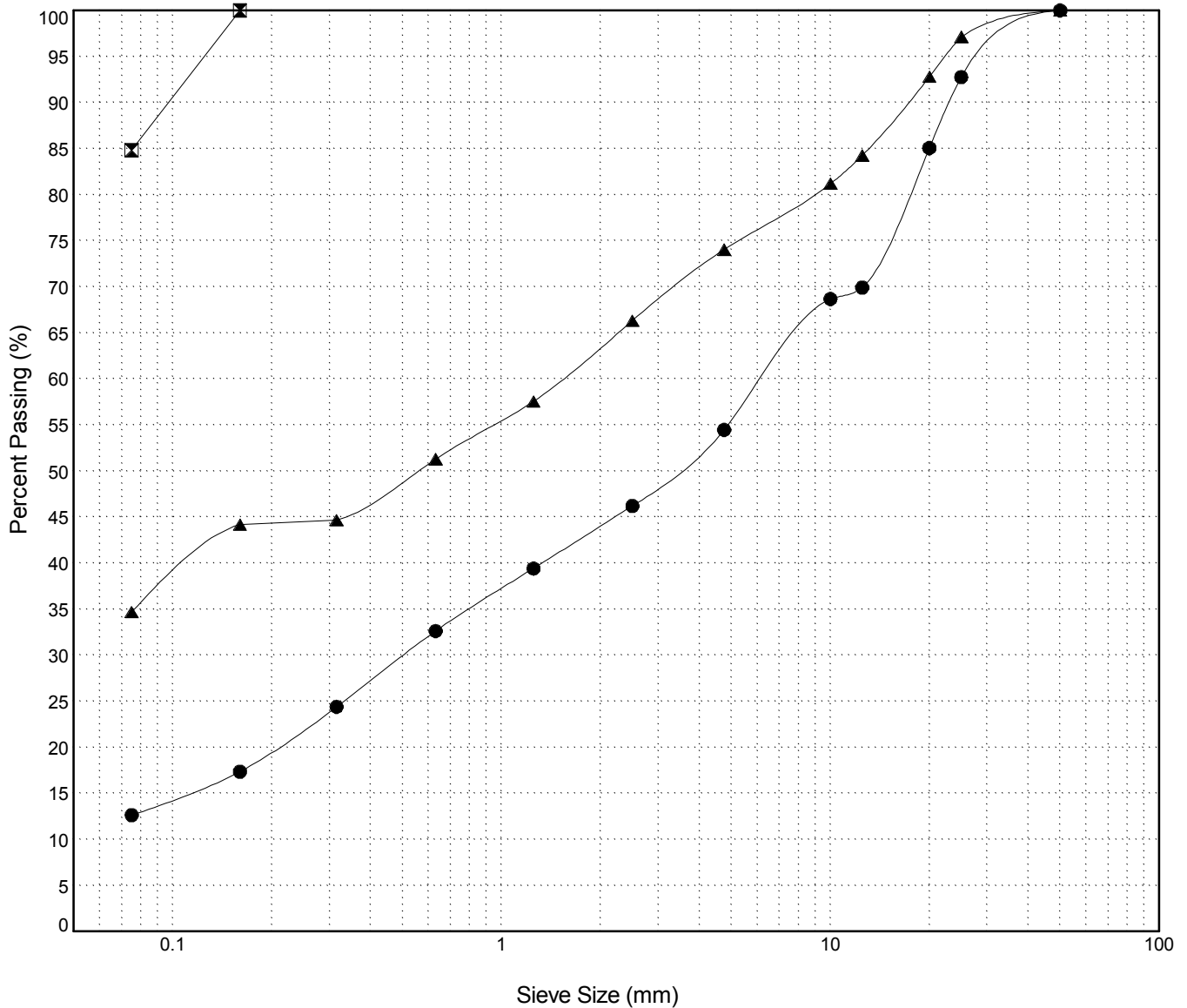
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5054
Darkside Drilling	km 1433.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6739168.3m E490972.9m	ELEVATION: 889.1m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 237	950	2.0 to 3.0	SILTY GRAVEL with SAND(GM)	2.2	NP	NP	NP		
☒ 238	951	5.0 to 6.0	SILT with SAND(ML)	17.0	NP	NP	NP		
▲ 239	952	9.0 to 10.0	SILTY SAND with GRAVEL(SM)	6.9	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
● 237	950	100.0	100.0	100.0	100.0	92.8	85.1	69.9	68.7	54.5	46.2	39.4	32.6	24.4	17.4	12.6	45.5	41.8	12.6	
☒ 238	951	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	84.8	0.0	15.2	84.8	
▲ 239	952	100.0	100.0	100.0	97.1	92.8	84.2	81.2	74.0	66.3	57.5	51.3	44.7	44.2	34.7		26.0	39.3	34.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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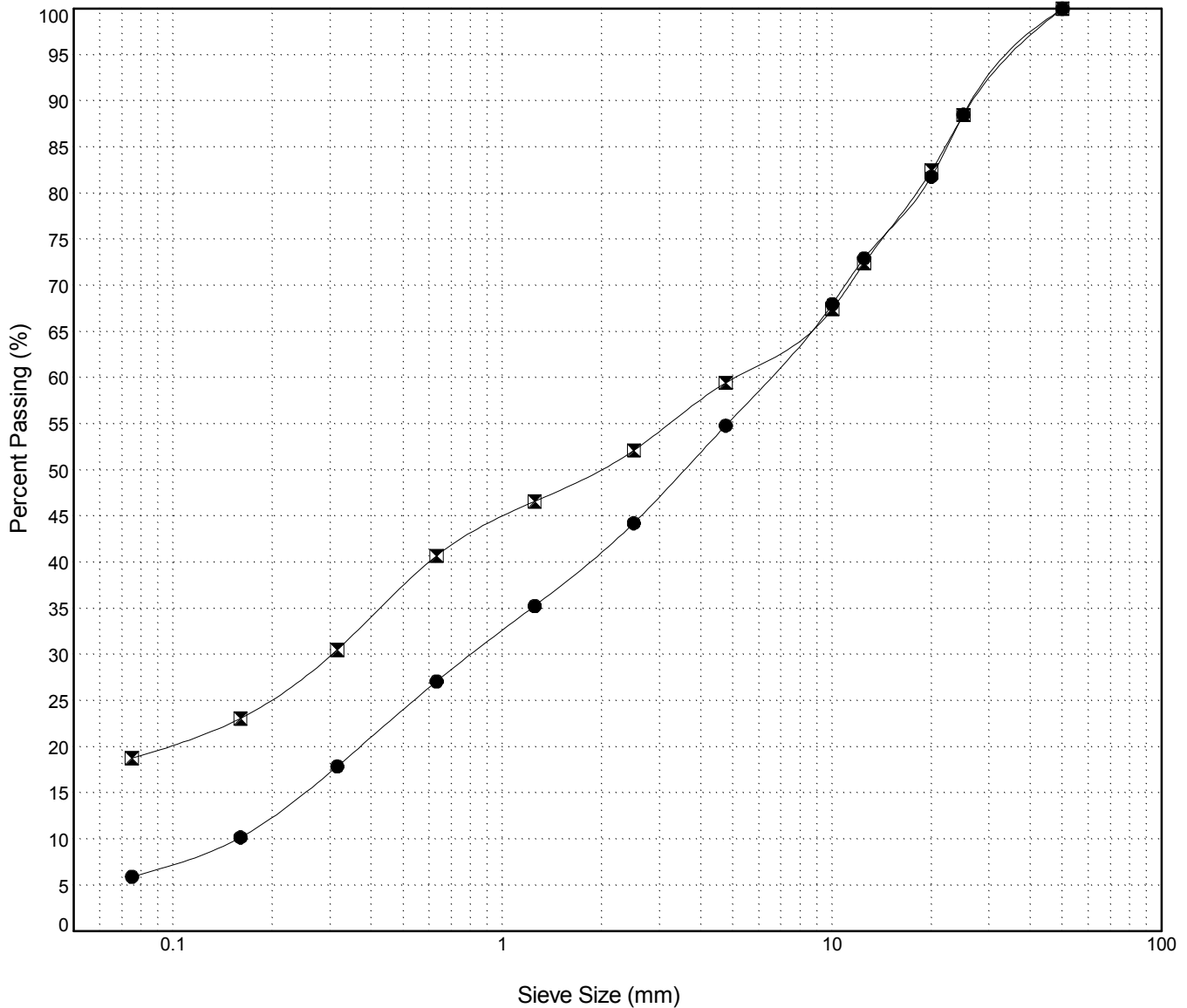
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5055
Darkside Drilling	km 1433.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6739445.9m E490900.4m	ELEVATION: 877.5m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 240	953	1.5 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.7	NP	NP	NP	0.7	41.2										
☒ 241	954	7.0 to 9.0	SILTY SAND with GRAVEL(SM)	2.7	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
● 240	953	100.0	100.0	100.0	88.5	81.8	72.9	68.0	54.8	44.2	35.3	27.1	17.9	10.2	5.9	45.2	48.9	5.9	
☒ 241	954	100.0	100.0	100.0	88.5	82.5	72.4	67.4	59.4	52.1	46.6	40.7	30.5	23.1	18.8	40.6	40.7	18.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



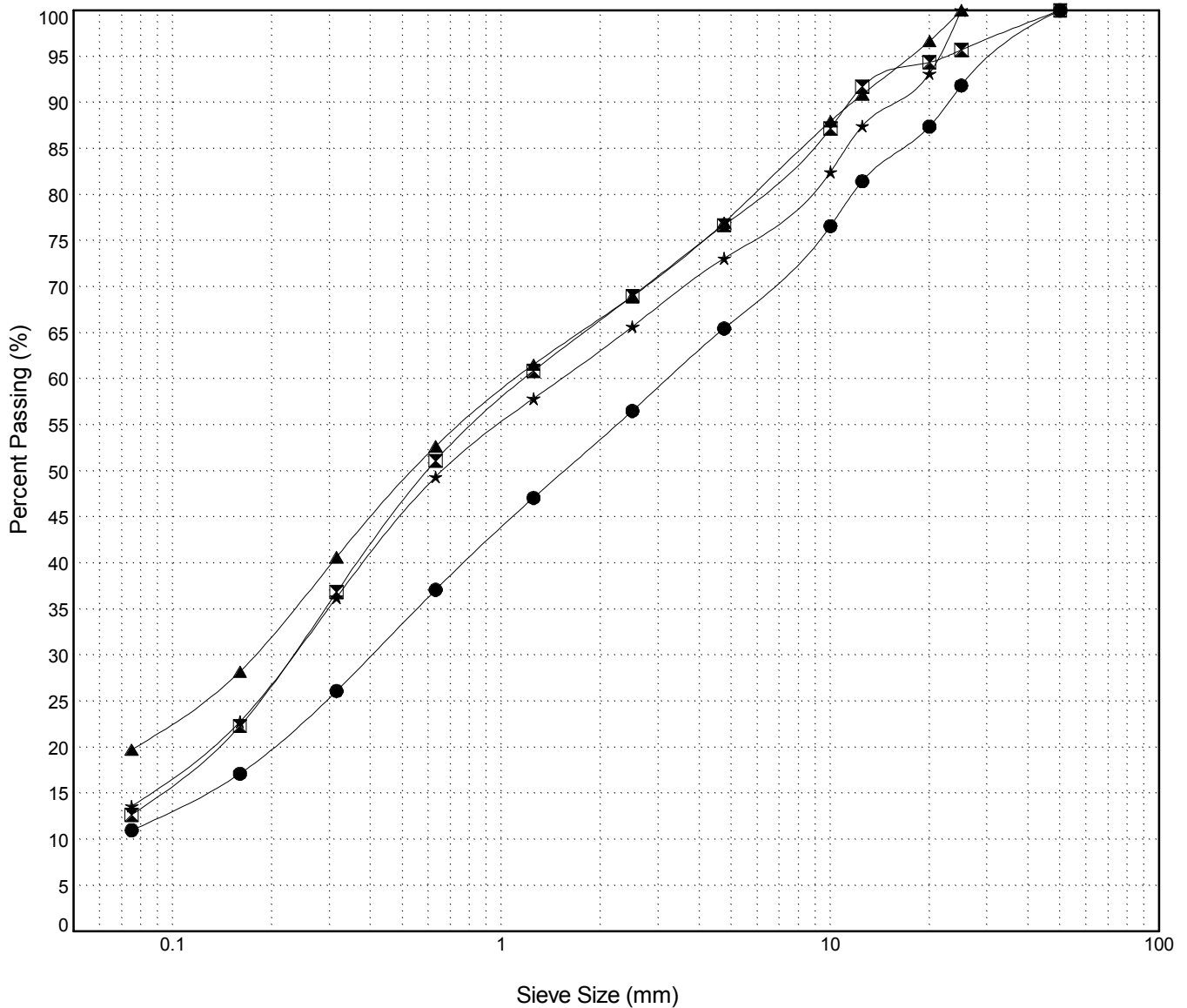
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5056
Darkside Drilling	km 1434.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6739723.9m E490832.6m	ELEVATION: 870.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 242	955	2.0 to 4.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.7	NP	NP	NP	0.8	48.4
☒ 243	956	8.0 to 10.0	SILTY SAND with GRAVEL(SM)	2.3	NP	NP	NP		
▲ 244	957	11.0 to 13.0	SILTY SAND with GRAVEL(SM)	4.5	NP	NP	NP		
★ 245	958	23.0 to 25.0	SILTY SAND with GRAVEL(SM)	5.3	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
● 242	955	100.0	100.0	100.0	100.0	91.8	87.4	81.5	76.6	65.5	56.5	47.1	37.1	26.1	17.1	11.0	34.5	54.5	11.0	
☒ 243	956	100.0	100.0	100.0	95.7	94.4	91.7	87.2	76.7	69.0	60.9	51.1	36.8	22.3	12.7	23.3	64.0	12.7		
▲ 244	957	100.0	100.0	100.0	100.0	96.7	90.9	88.0	76.9	69.0	61.5	52.7	40.7	28.2	19.8	23.1	57.2	19.8		
★ 245	958	100.0	100.0	100.0	100.0	93.1	87.4	82.5	73.1	65.7	57.8	49.4	36.3	22.8	13.6	26.9	59.5	13.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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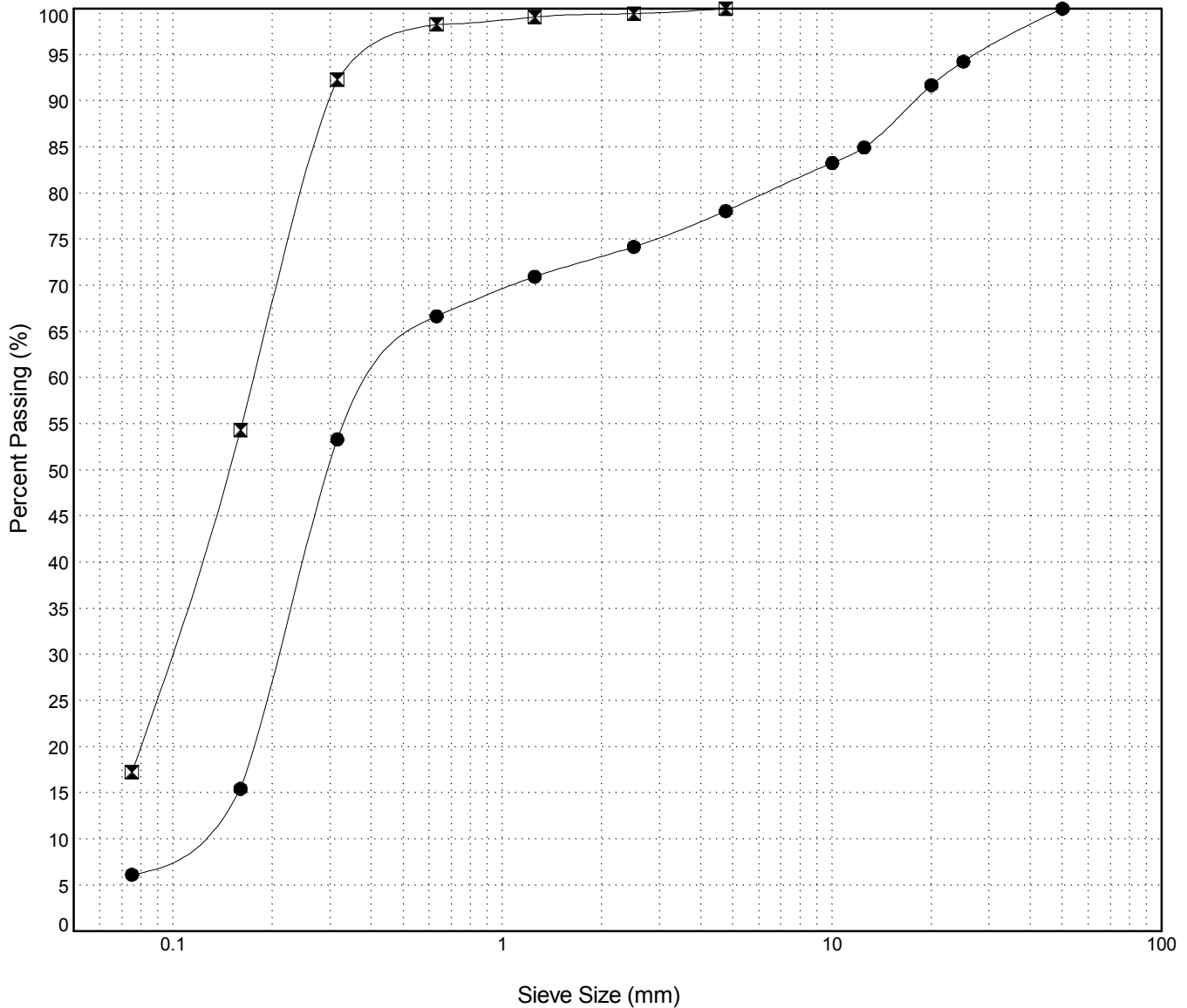
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5057
Darkside Drilling	km 1434.3	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6739962.3m E490756.6m	ELEVATION: 873.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 246	959	2.0 to 4.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	0.3	NP	NP	NP	0.9	4.3										
☒ 247	960	7.0 to 9.0	SILTY SAND(SM)	2.2	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
● 246	959	100.0	100.0	100.0	94.3	91.7	85.0	83.3	78.1	74.2	70.9	66.7	53.3	15.5	6.2	21.9	71.9	6.2	
☒ 247	960	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.1	98.3	92.3	54.4	17.3	0.0	82.7	17.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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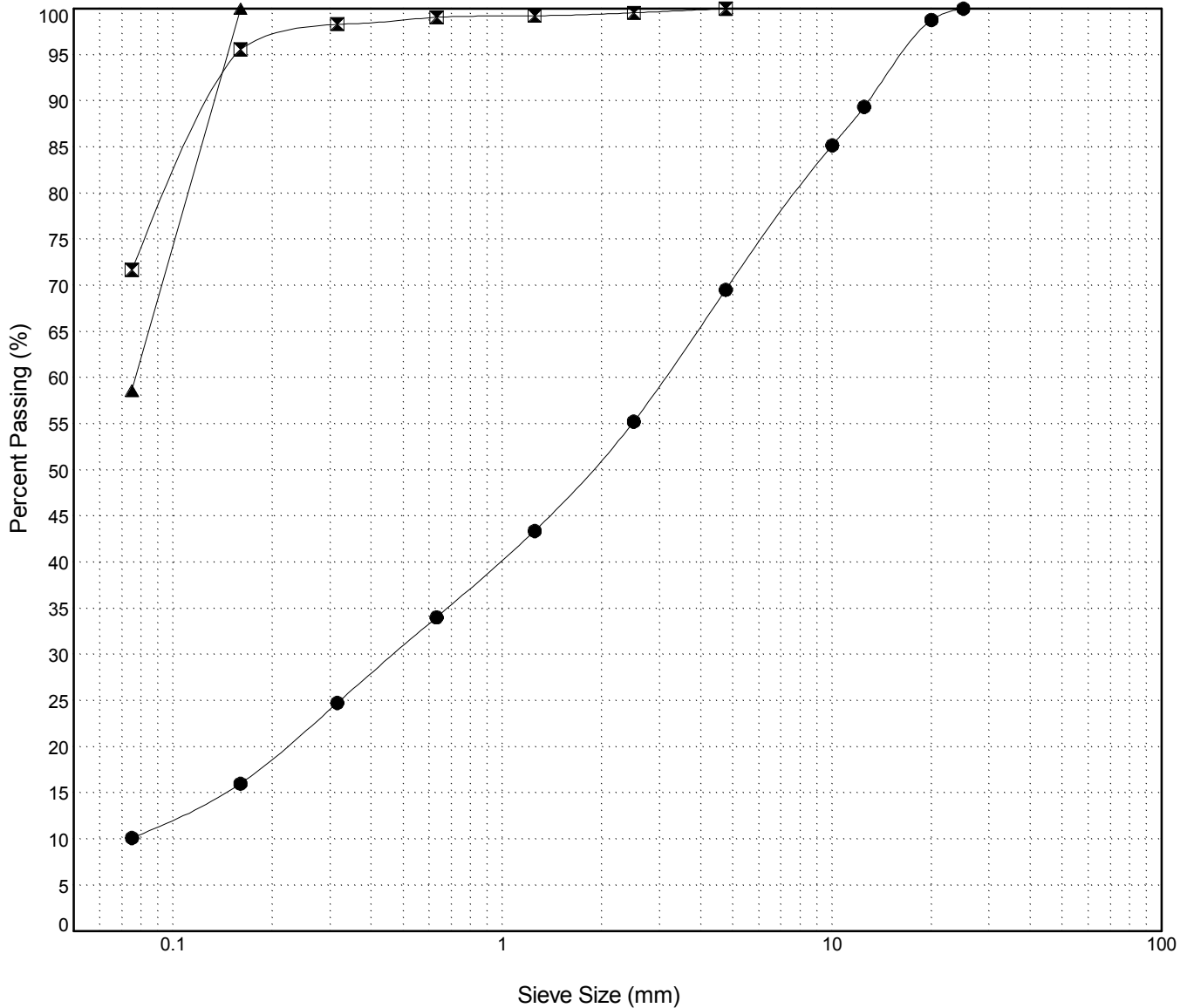
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5058
Darkside Drilling	km 1434.6	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6740155.4m E490637.7m	ELEVATION: 876.1m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 248	961	2.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	1.4	NP	NP	NP	1.0	42.0
☒ 249	962	3.0 to 5.0	SILT with SAND(ML)	13.6	NP	NP	NP		
▲ 250	963	7.0 to 9.0	SANDY SILT(ML)	14.7	NP	NP	NP		

Field #	Lab #	% PASSING	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														
● 248	961	100.0	100.0	100.0	100.0	98.8	89.3	85.2	69.5	55.2	43.4	34.0	24.8	16.0	10.1	30.5	59.4	10.1		
☒ 249	962	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.2	99.1	98.3	95.6	71.7	0.0	28.3	71.7		
▲ 250	963	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	58.6	0.0	41.4	58.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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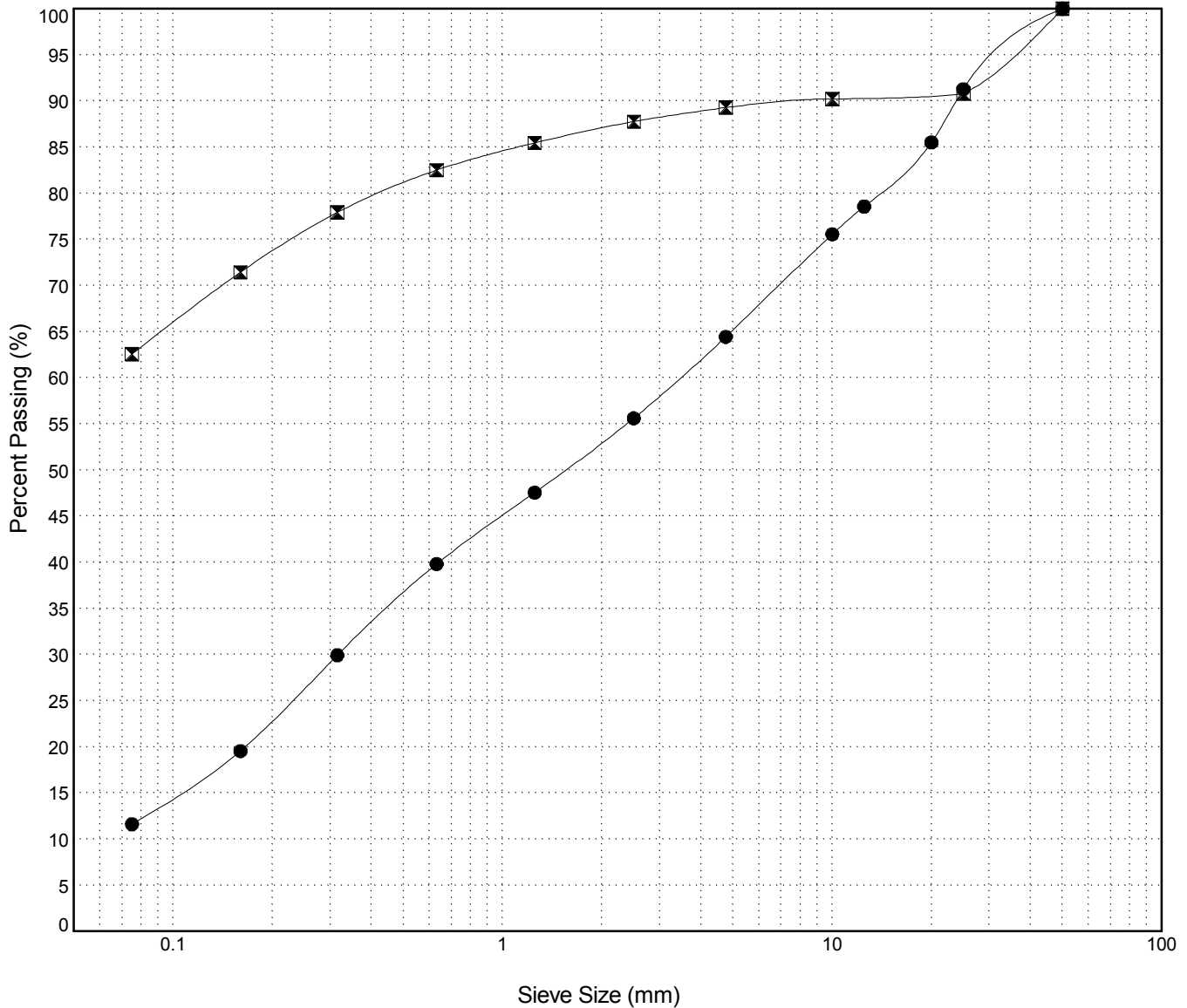
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5059
Darkside Drilling	km 1434.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6740254.2m E490567.7m	ELEVATION: 866.1m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 251	964	2.0 to 4.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	2.8	NP	NP	NP	0.5	53.5
☒ 253	966	9.0 to 10.0	SANDY SILT(ML)	14.3	NP	NP	NP		
Field #	Lab #								
● 251	964								
☒ 253	966								

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
● 251	964	100.0	100.0	100.0	100.0	91.3	85.5	78.6	75.5	64.4	55.6	47.5	39.8	29.9	19.5	11.6	35.6	52.8	11.6	
☒ 253	966	100.0	100.0	100.0	90.8	90.6	90.3	90.2	89.3	87.8	85.4	82.5	77.9	71.4	62.6		10.7	26.7	62.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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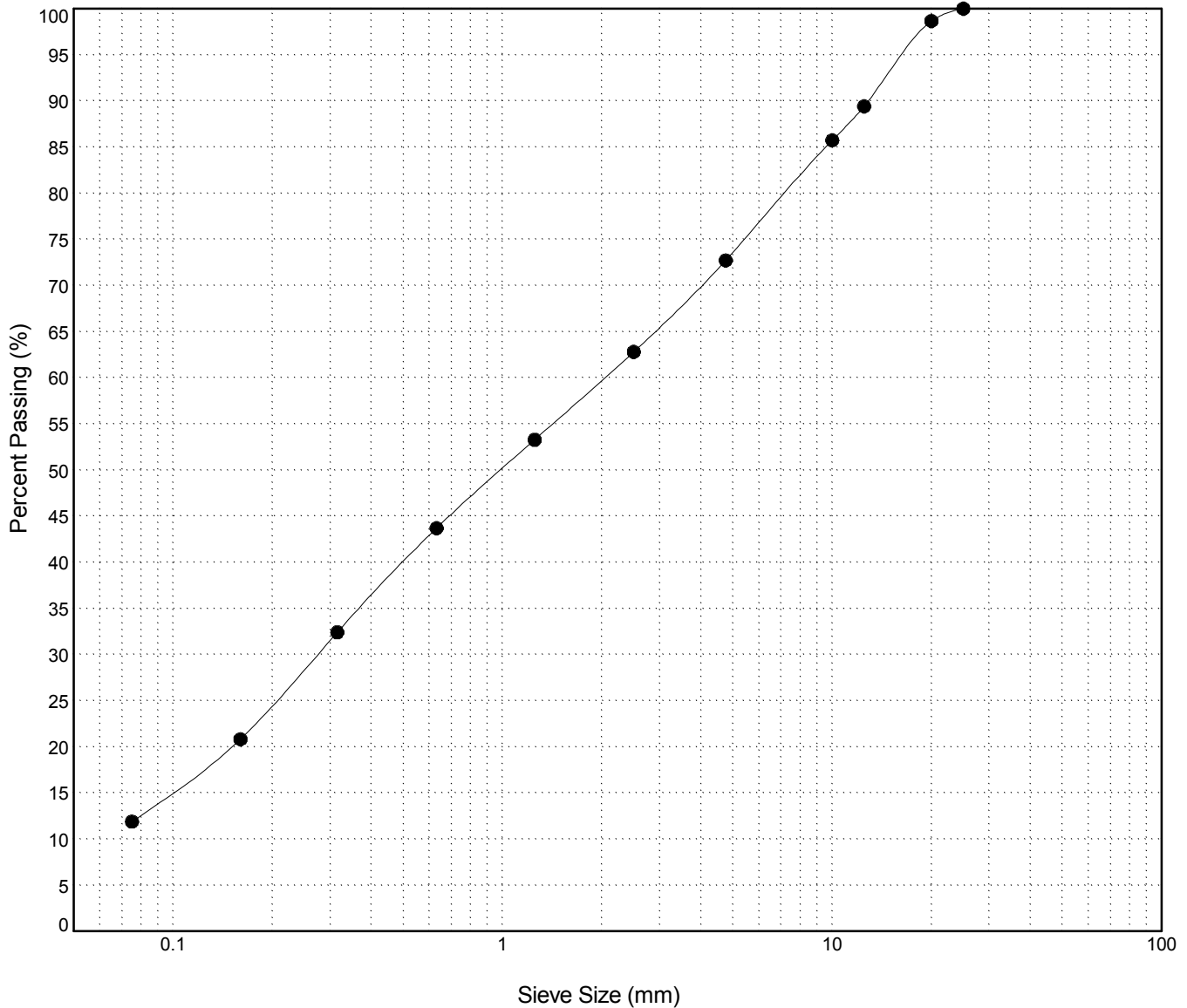
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5060
Darkside Drilling	km 1434.9	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6740469.2m E490420.5m	ELEVATION: 866.6m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 254	967	1.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	2.1	NP	NP	NP	0.6	32.0										
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			
● 254	967	100.0	100.0	100.0	100.0	98.7	89.4	85.7	72.7	62.8	53.3	43.7	32.4	20.8	11.9	27.3	60.8	11.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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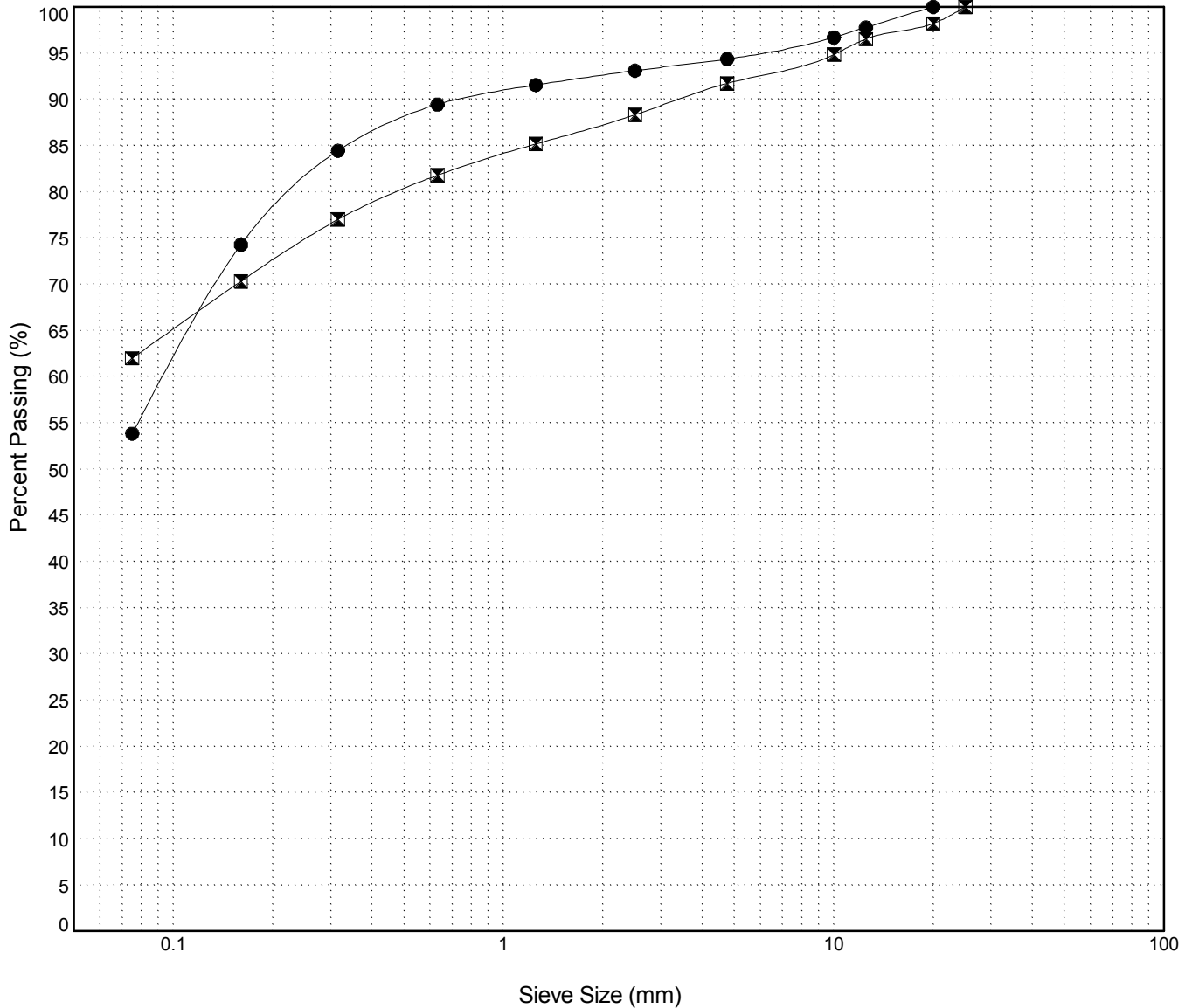
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5061
Darkside Drilling	km 1435.45	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6740867.9m E490147.3m	ELEVATION: 851.8m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
●	969	5.0 to 3.0	SANDY SILT (ML)											0.8	NP	NP	NP			
☒	257	8.0 to 9.0	SANDY SILT (ML)											5.3	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			
●	969	% PASSING	100.0	100.0	100.0	100.0	100.0	97.8	96.7	94.3	93.1	91.5	89.4	84.4	74.3	53.8	5.7	40.5	53.8	
☒	257		970	100.0	100.0	100.0	100.0	98.2	96.5	94.9	91.7	88.3	85.2	81.8	77.0	62.0	8.3	29.7	62.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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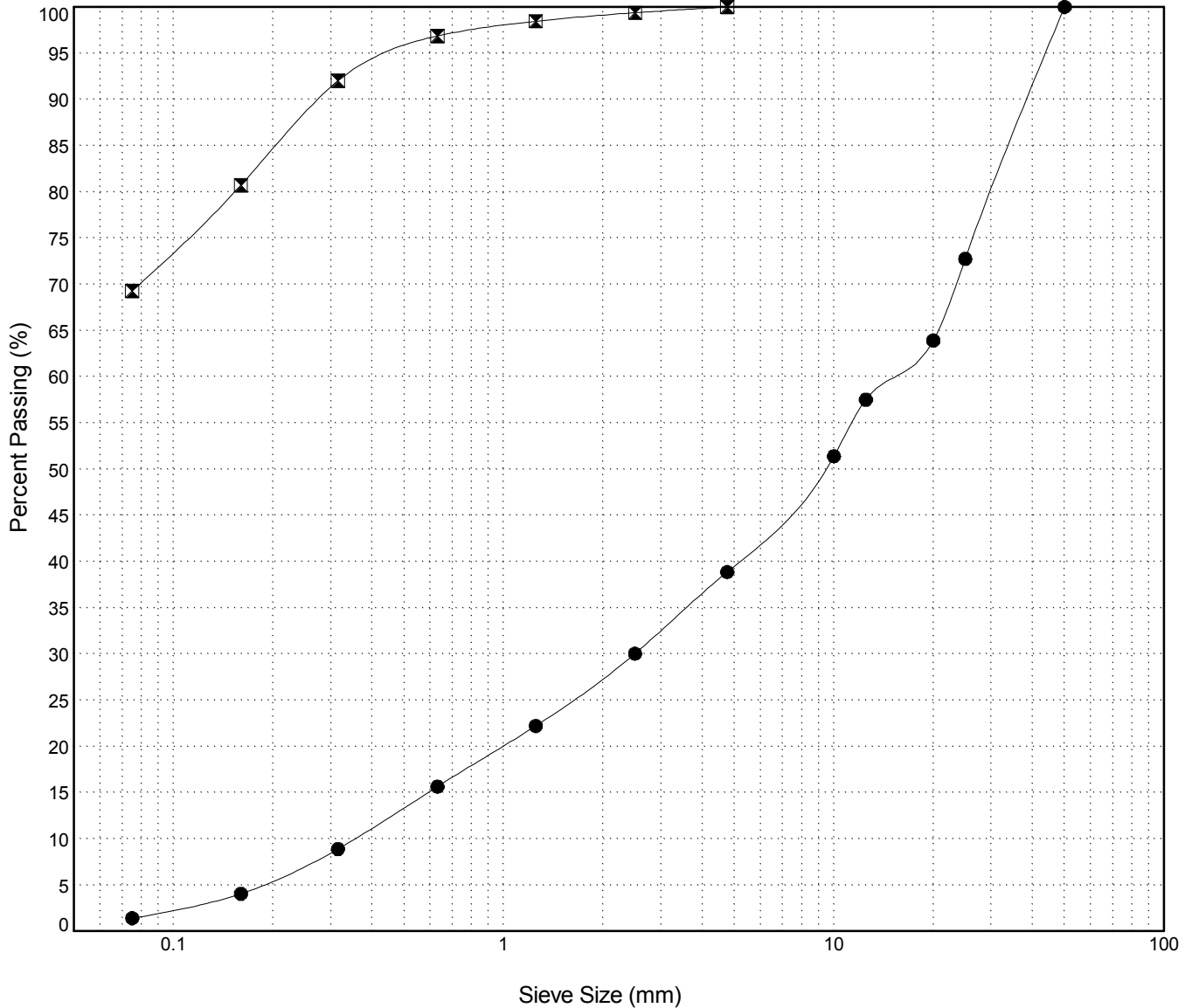
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5062
Darkside Drilling	km 1435.7	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741069.6m E490005.7m	ELEVATION: 849.6m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 258	971	1.0 to 3.0	WELL-GRADED GRAVEL with SAND(GW)	5.9	NP	NP	NP	1.2	42.5											
☒ 259	972	7.0 to 9.0	SANDY SILT(ML)	5.2	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				
● 258	971	100.0	100.0	100.0	72.7	63.9	57.5	51.4	38.9	30.0	22.2	15.6	8.9	4.1	1.4	Gravel	Sand	Silt	Clay	
☒ 259	972	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	98.4	96.8	92.0	80.7	69.3	0.0	30.7	69.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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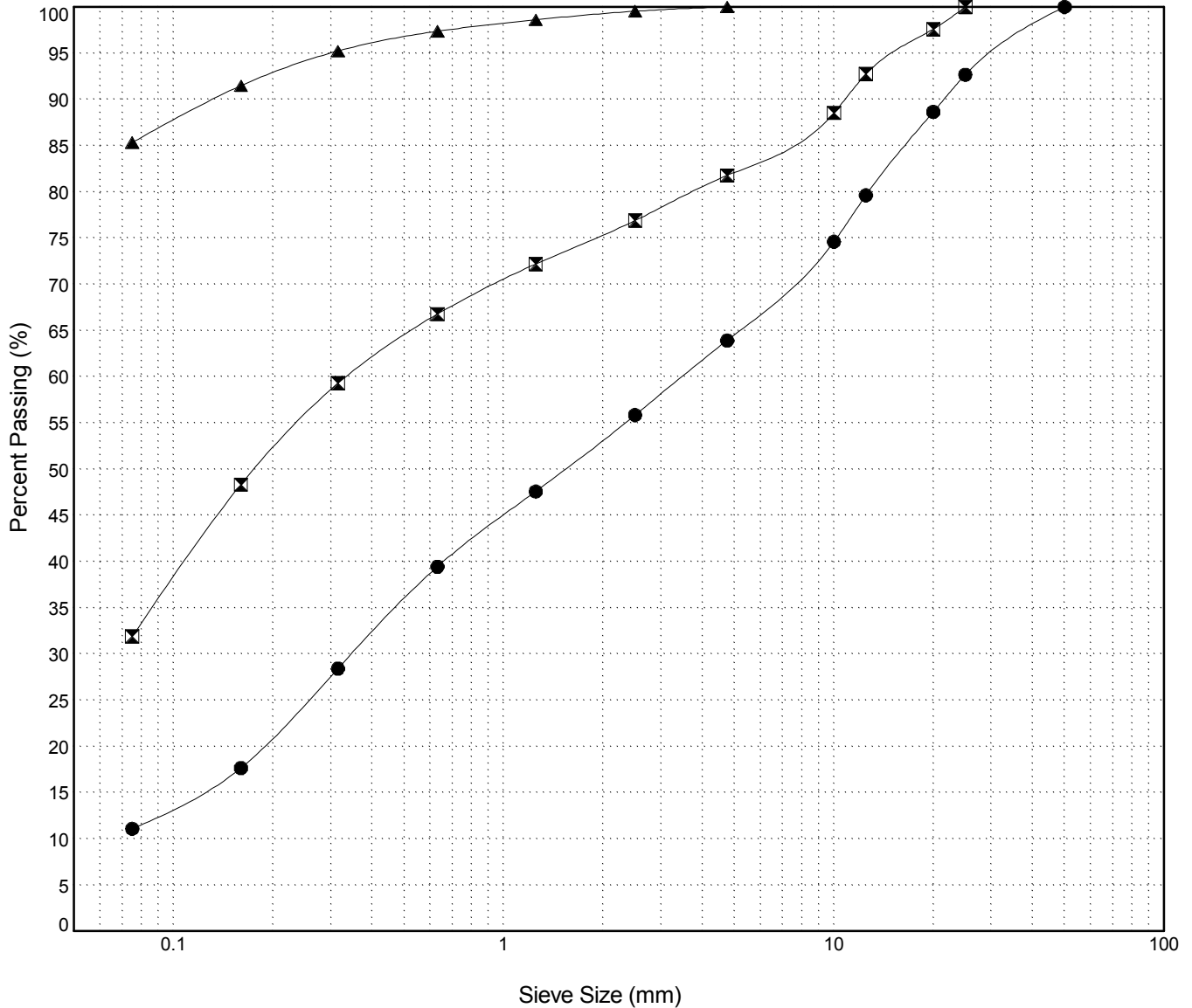
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5063
Darkside Drilling	km 1436	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741256.8m E489809m	ELEVATION: 849.3m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 260	973	1.0 to 3.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	2.6	NP	NP	NP	0.5	52.6
☒ 261	974	7.0 to 9.0	SILTY SAND with GRAVEL(SM)	6.0	NP	NP	NP		
▲ 262	1009	11.0 to 13.0	SILT(ML)	7.4	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
● 260	973	100.0	100.0	100.0	100.0	92.7	88.6	79.6	74.6	63.9	55.8	47.6	39.4	28.4	17.7	11.1	36.1	52.8	11.1	
☒ 261	974	100.0	100.0	100.0	100.0	97.6	92.7	88.5	81.8	76.9	72.2	66.8	59.3	48.3	31.9		18.2	49.9	31.9	
▲ 262	1009	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	98.6	97.4	95.2	91.5	85.3		0.0	14.7	85.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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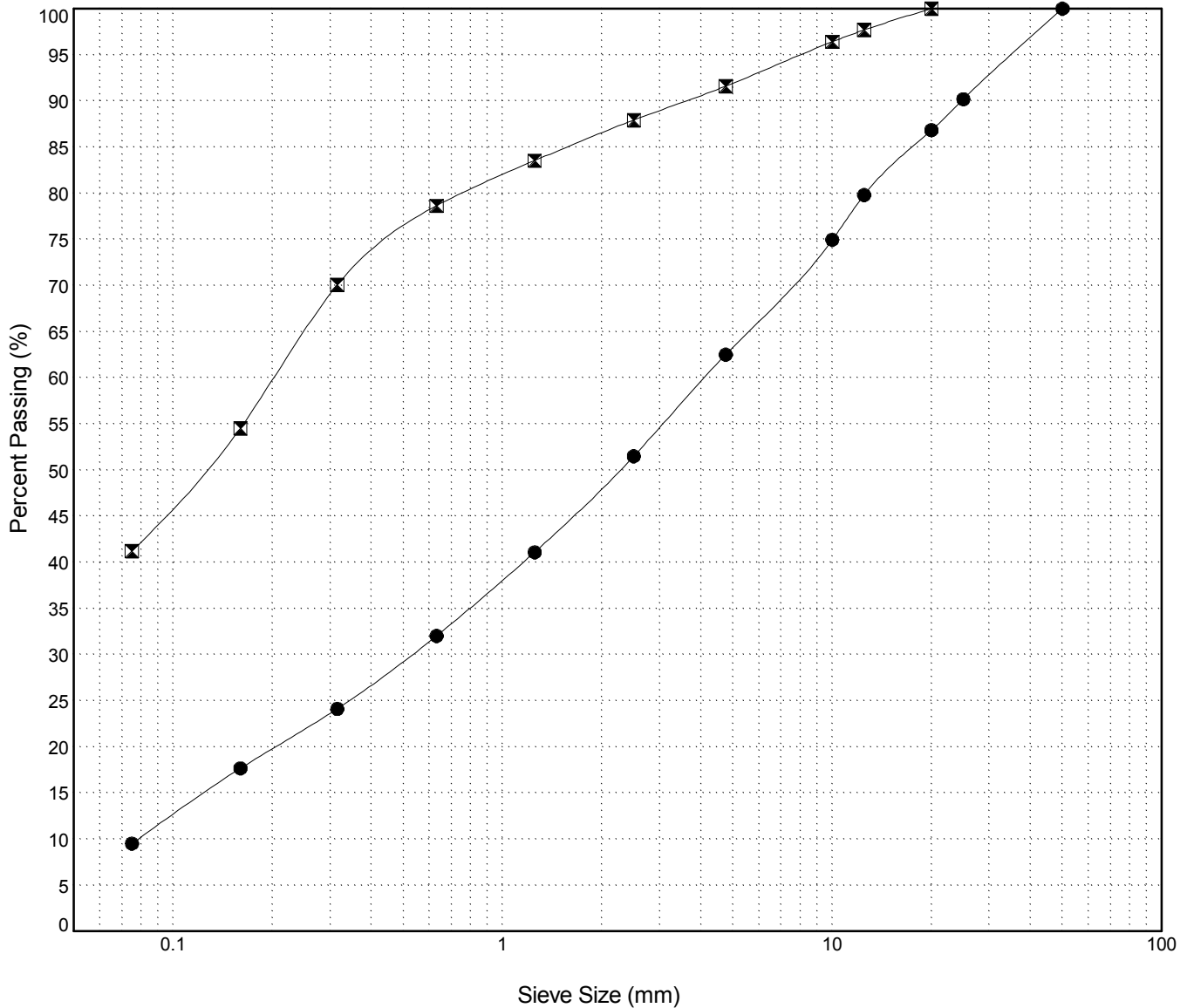
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5064
Darkside Drilling	km 1436.25	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741401.1m E489577m	ELEVATION: 850.5m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 263	1010	2.0 to 4.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	6.8	NP	NP	NP	0.9	52.3										
☒ 264	1011	7.0 to 9.0	SILTY SAND(SM)	5.6	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			
● 263	1010	100.0	100.0	100.0	90.2	86.8	79.8	74.9	62.5	51.5	41.1	32.0	24.1	17.7	9.5	Gravel	Sand	Silt	Clay
☒ 264	1011	100.0	100.0	100.0	100.0	100.0	97.7	96.4	91.6	87.9	83.5	78.6	70.1	54.5	41.2	8.4	50.4	41.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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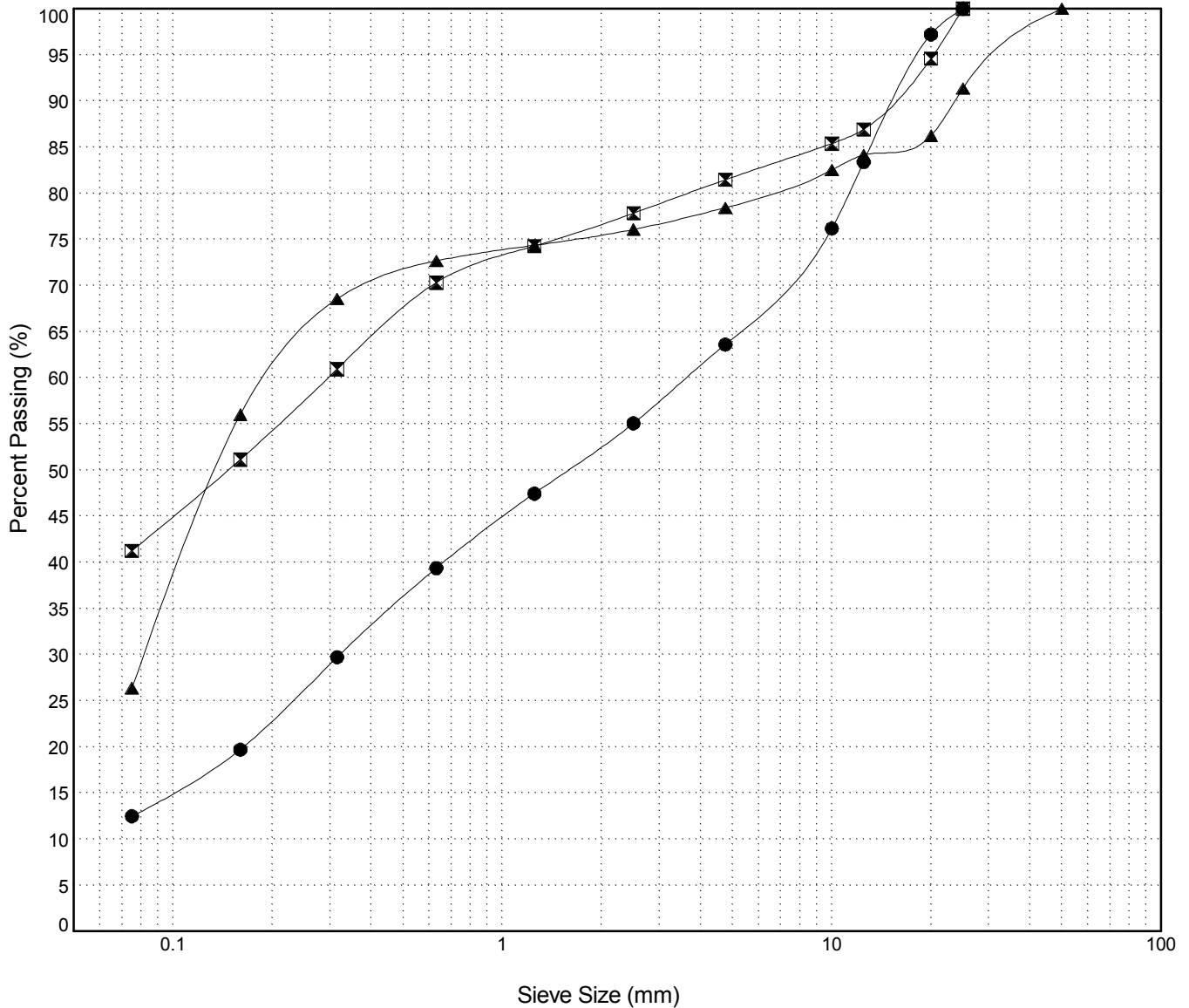
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5065
Darkside Drilling	km 1436.5	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741543.8m E489352.5m	ELEVATION: 848m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 265	1012	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	4.1	NP	NP	NP	0.5	62.7
☒ 266	1013	4.0 to 5.0	SILTY SAND with GRAVEL(SM)	4.2	NP	NP	NP		
▲ 267	1014	6.0 to 8.0	SILTY SAND with GRAVEL(SM)	12.7	NP	NP	NP		

Field #	Lab #	% PASSING	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
● 265	1012	100.0	100.0	100.0	100.0	97.2	83.4	76.2	63.6	55.1	47.4	39.4	29.7	19.7	12.5	36.4	51.1	12.5		
☒ 266	1013	100.0	100.0	100.0	100.0	94.6	86.9	85.4	81.5	77.8	74.3	70.3	60.9	51.1	41.2	18.5	40.2	41.2		
▲ 267	1014	100.0	100.0	100.0	91.4	86.2	84.1	82.5	78.4	76.1	74.3	72.7	68.6	56.0	26.4	21.6	52.1	26.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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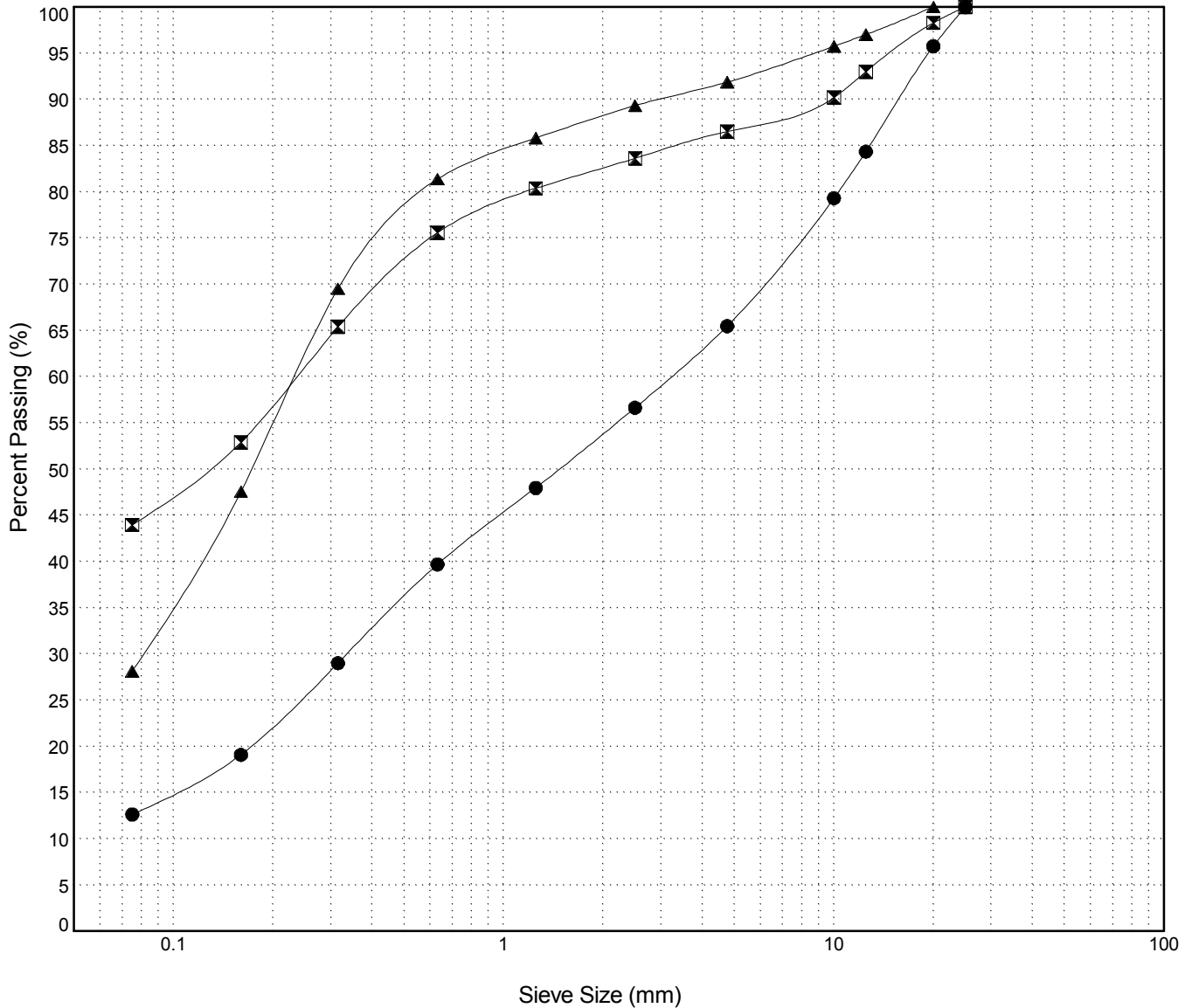
GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5066
Darkside Drilling	km 1436.75	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741653.9m E489153.6m	ELEVATION: 847.9m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 268	1015	1.5 to 2.5	SILTY SAND with GRAVEL(SM)	2.9	NP	NP	NP		
☒ 269	1016	3.0 to 5.0	SILTY SAND(SM)	4.2	NP	NP	NP		
▲ 270	1017	8.0 to 9.0	SILTY SAND(SM)	2.0	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	Clay
● 268	1015	100.0	100.0	100.0	100.0	100.0	95.7	84.3	79.3	65.5	56.6	48.0	39.7	29.0	19.1	12.6	34.5	52.8	12.6	
☒ 269	1016	100.0	100.0	100.0	100.0	98.3	93.0	90.2	86.5	83.6	80.4	75.6	65.4	52.9	44.0		13.5	42.6	44.0	
▲ 270	1017	100.0	100.0	100.0	100.0	100.0	97.0	95.7	91.9	89.3	85.8	81.4	69.5	47.6	28.1		8.1	63.7	28.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

LOGGED BY: GK/AC
COMPILED BY: M. Jubinville
REVIEWED BY: R.Stilwell

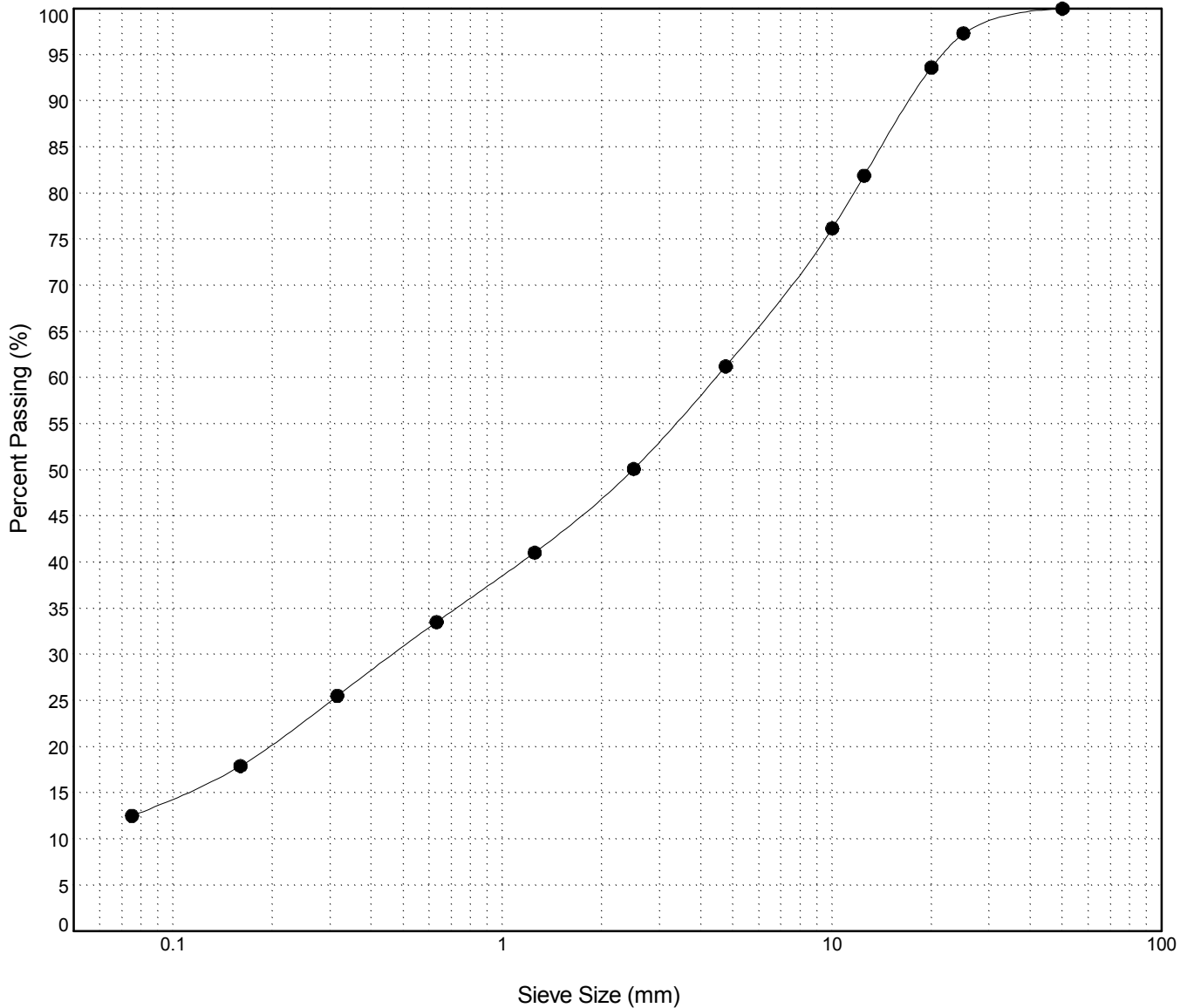
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GRAIN SIZE ANALYSIS	Whitehorse Corridor Drilling	SOURCE/TP#: 846-5067
Darkside Drilling	km 1437.1	PROJECT NO: 552 202101 0905 0661-5
B61 150mm	Coordinates:Z08V N6741672.5m E488769.4m	ELEVATION: 845.4m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H ₂ O	LL	PL	PI	C _c	C _u	
● 271	1018	0.5 to 2.5	SILTY SAND with GRAVEL(SM)											1.7	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				
● 271	1018	100.0	100.0	100.0	97.3	93.6	81.9	76.2	61.2	50.1	41.0	33.5	25.5	17.9	12.5	Gravel	Sand	Silt	Clay	
																38.8	48.7	12.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: M. Jubinville

REVIEWED BY: R.Stilwell

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