

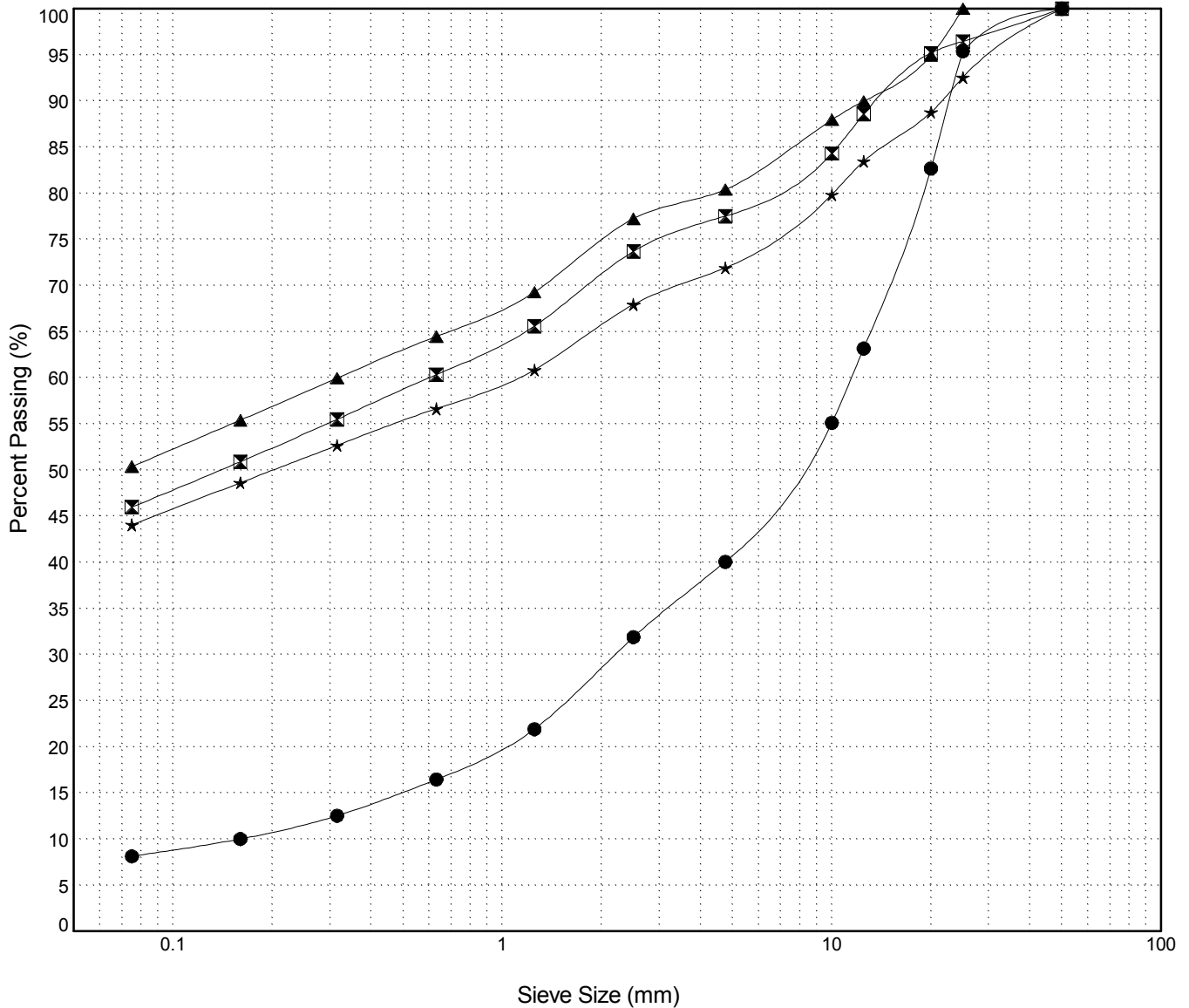
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4518
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6771245m E482484m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 200	652	0.1 to	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	0.3	NP	NP	NP	2.6	72.0
☒ 201	653	1.2 to	SILTY SAND with GRAVEL(SM)	13.4	NP	NP	NP		
▲ 202	654	2.6 to	SANDY SILT with GRAVEL(ML)	9.5	NP	NP	NP		
★ 203	655	4.1 to	SILTY GRAVEL with SAND(GM)	8.5	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
● 200	652	100.0	100.0	100.0	95.4	82.7	63.2	55.1	40.0	31.9	21.9	16.5	12.5	10.0	8.1	60.0	31.9	8.1	
☒ 201	653	100.0	100.0	100.0	96.4	95.2	88.6	84.3	77.5	73.7	65.6	60.3	55.5	50.9	46.0	22.5	31.5	46.0	
▲ 202	654	100.0	100.0	100.0	100.0	94.9	90.0	87.9	80.4	77.2	69.3	64.5	60.0	55.4	50.4	19.6	30.0	50.4	
★ 203	655	100.0	100.0	100.0	92.5	88.8	83.4	79.8	71.9	67.9	60.8	56.6	52.7	48.6	44.1	28.1	27.8	44.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

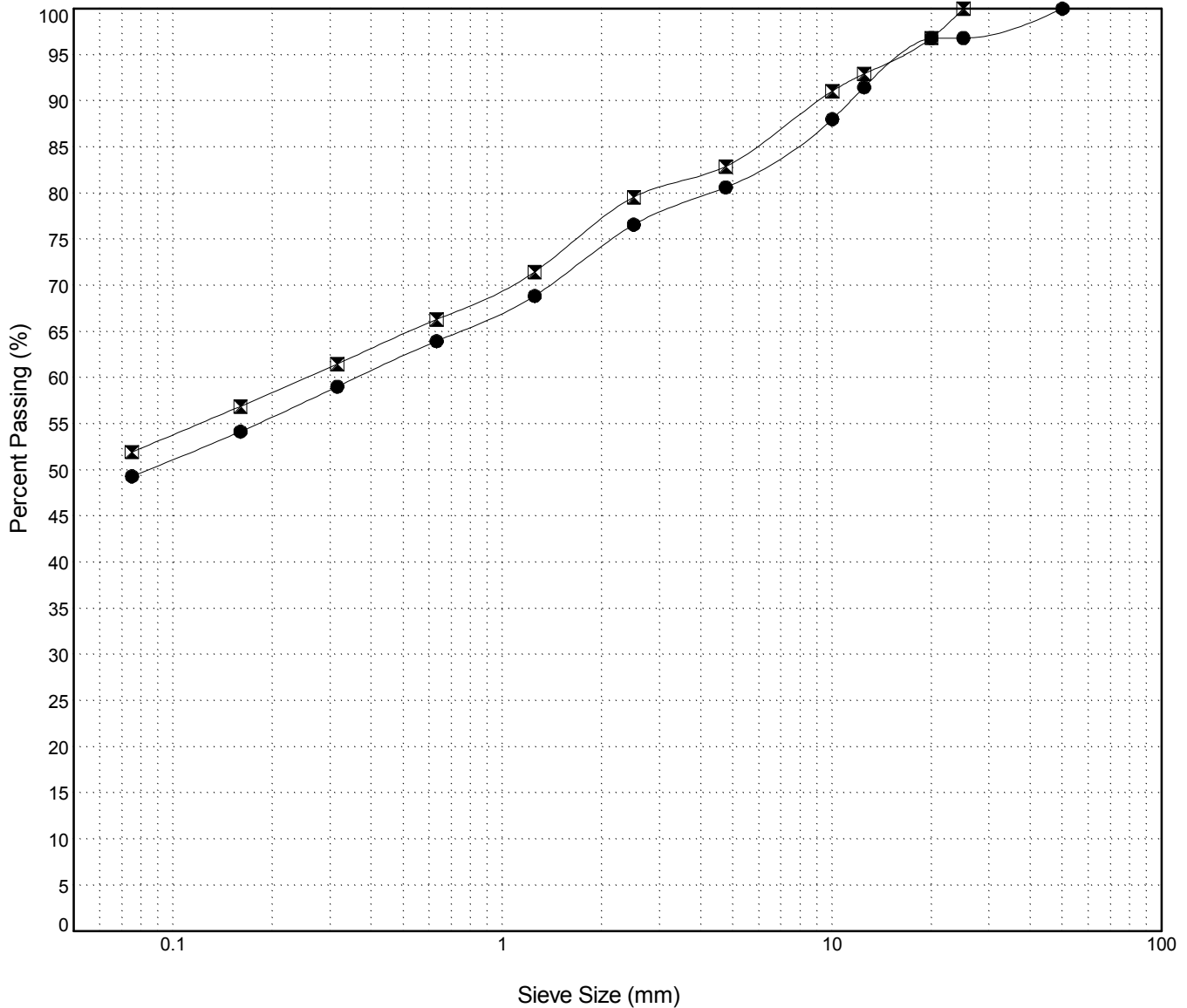


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4519
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6771428m E482409m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 205	657	1.2 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP													
☒ 206	658	2.6 to	SANDY SILT with GRAVEL(ML)	11.6	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				
● 205	657	100.0	100.0	100.0	96.8	96.8	91.5	88.0	80.6	76.6	68.9	64.0	59.0	54.2	49.3	Gravel	Sand	Silt	Clay	
☒ 206	658	100.0	100.0	100.0	100.0	96.8	92.9	91.1	82.9	79.6	71.4	66.3	61.5	56.9	51.9	17.1	30.9	49.3	51.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



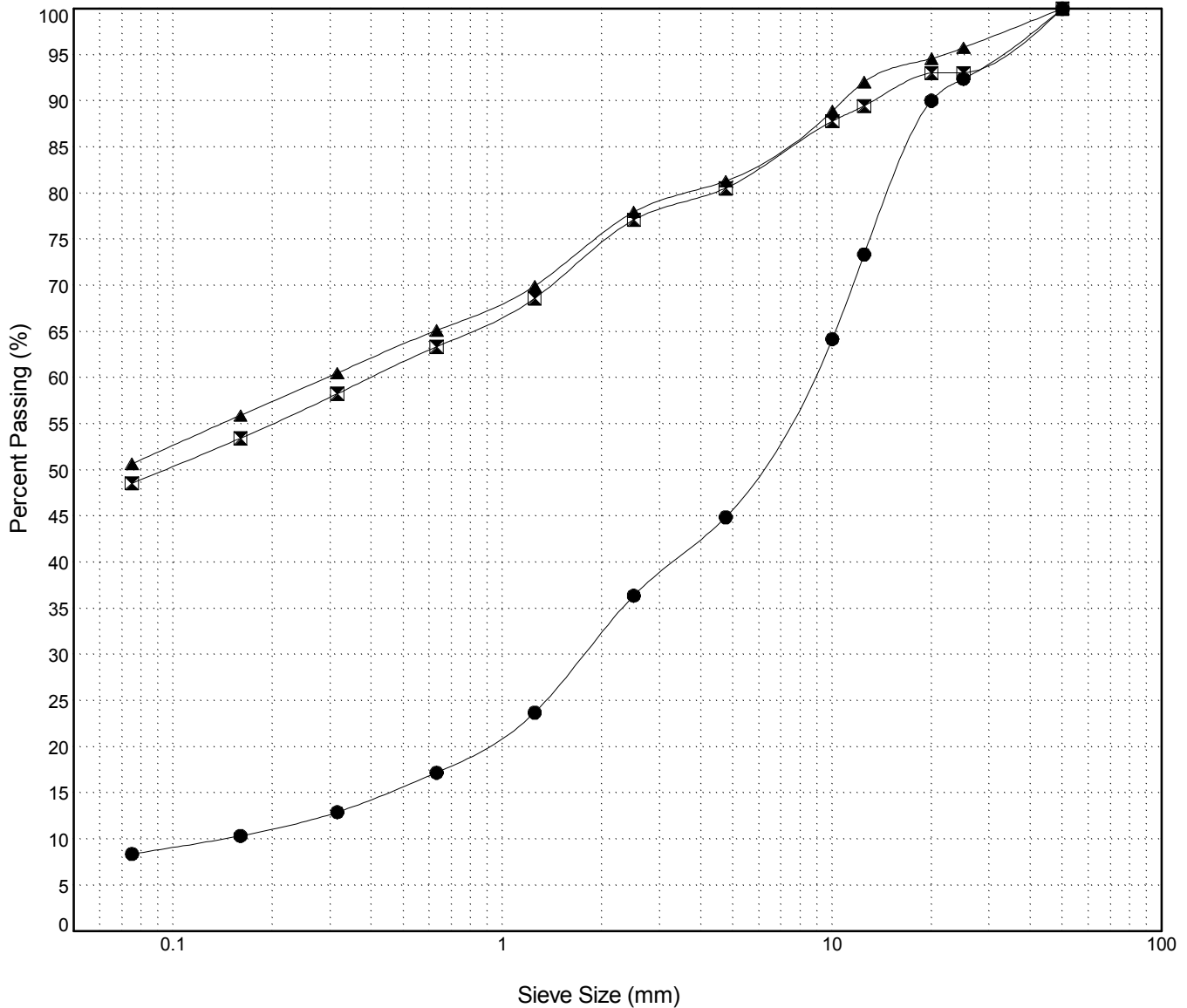
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4520
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6771645m E482322m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 208	660	0.2 to	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	0.7	NP	NP	NP	2.6	60.9
☒ 209	661	1.2 to	SILTY SAND with GRAVEL(SM)	8.8	NP	NP	NP		
▲ 210	662	2.6 to	SANDY SILT with GRAVEL(ML)	10.3	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
● 208	660	100.0	100.0	100.0	100.0	92.4	90.0	73.4	64.2	44.9	36.4	23.7	17.2	12.9	10.3	8.4	55.1	36.5	8.4	
☒ 209	661	100.0	100.0	100.0	93.0	93.0	89.5	87.8	80.5	77.1	68.6	63.4	58.3	53.4	48.6		19.5	32.0	48.6	
▲ 210	662	100.0	100.0	100.0	95.8	94.6	92.0	88.9	81.3	78.0	69.9	65.1	60.5	55.9	50.7		18.7	30.6	50.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

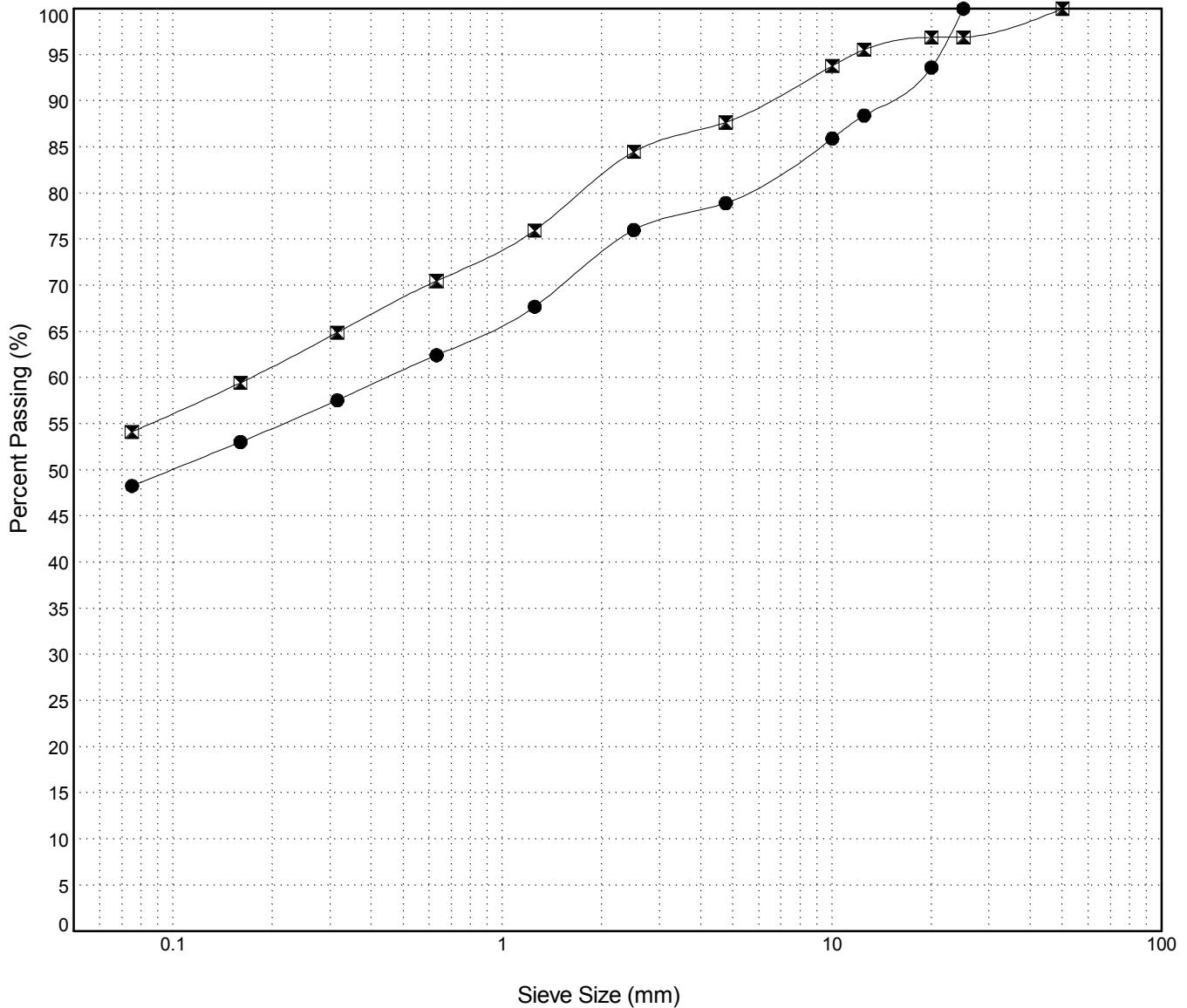


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4521
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6771827m E482249m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 213	665	1.2 to	SILTY SAND with GRAVEL(SM)	8.9	NP	NP	NP													
☒ 214	666	2.6 to	SANDY SILT(ML)	11.0	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				
● 213	665	100.0	100.0	100.0	100.0	93.6	88.4	85.9	78.9	76.0	67.7	62.4	57.6	53.0	48.3	Gravel	Sand	Silt	Clay	
☒ 214	666	100.0	100.0	100.0	96.9	96.9	95.5	93.8	87.7	84.5	75.9	70.5	64.9	59.4	54.1	12.3	33.5	48.3	54.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



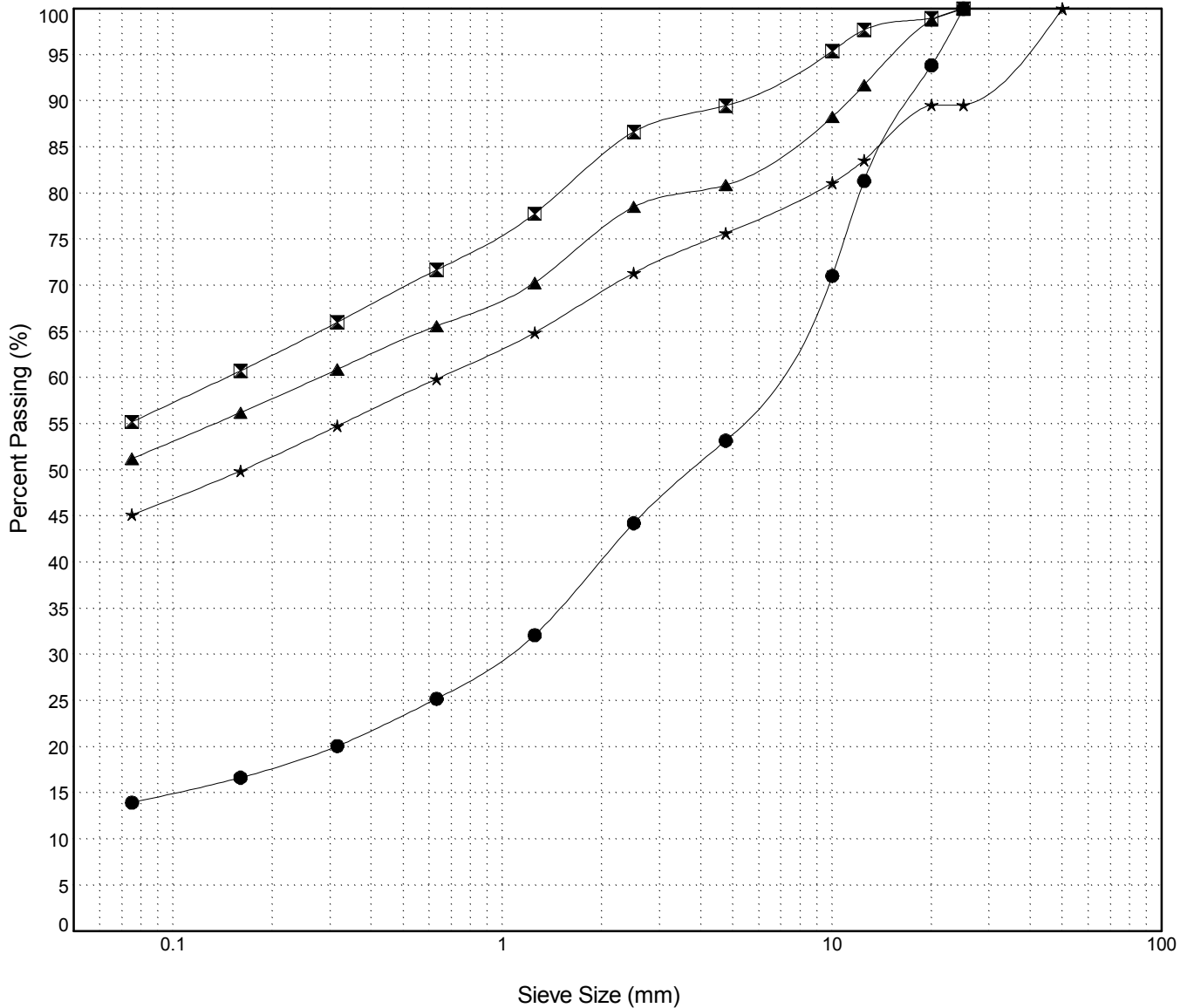
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4522
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772012m E482174m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 216	668	0.2 to	SILTY GRAVEL with SAND(GM)	2.2	NP	NP	NP		
☒ 217	669	1.2 to	SANDY SILT(ML)	11.9	NP	NP	NP		
▲ 218	670	2.6 to	SANDY SILT with GRAVEL(ML)	10.3	NP	NP	NP		
★ 219	671	4.0 to	SILTY SAND with GRAVEL(SM)	8.3	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
● 216	668	100.0	100.0	100.0	100.0	93.9	81.3	71.0	53.2	44.2	32.1	25.2	20.1	16.7	14.0	46.8	39.2	14.0	
☒ 217	669	100.0	100.0	100.0	100.0	99.0	97.7	95.4	89.5	86.6	77.8	71.7	66.0	60.7	55.2	10.5	34.2	55.2	
▲ 218	670	100.0	100.0	100.0	100.0	98.7	91.7	88.3	80.9	78.5	70.3	65.6	60.9	56.2	51.2	19.1	29.6	51.2	
★ 219	671	100.0	100.0	100.0	89.6	89.6	83.6	81.1	75.7	71.4	64.9	59.9	54.8	49.9	45.2	24.3	30.5	45.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



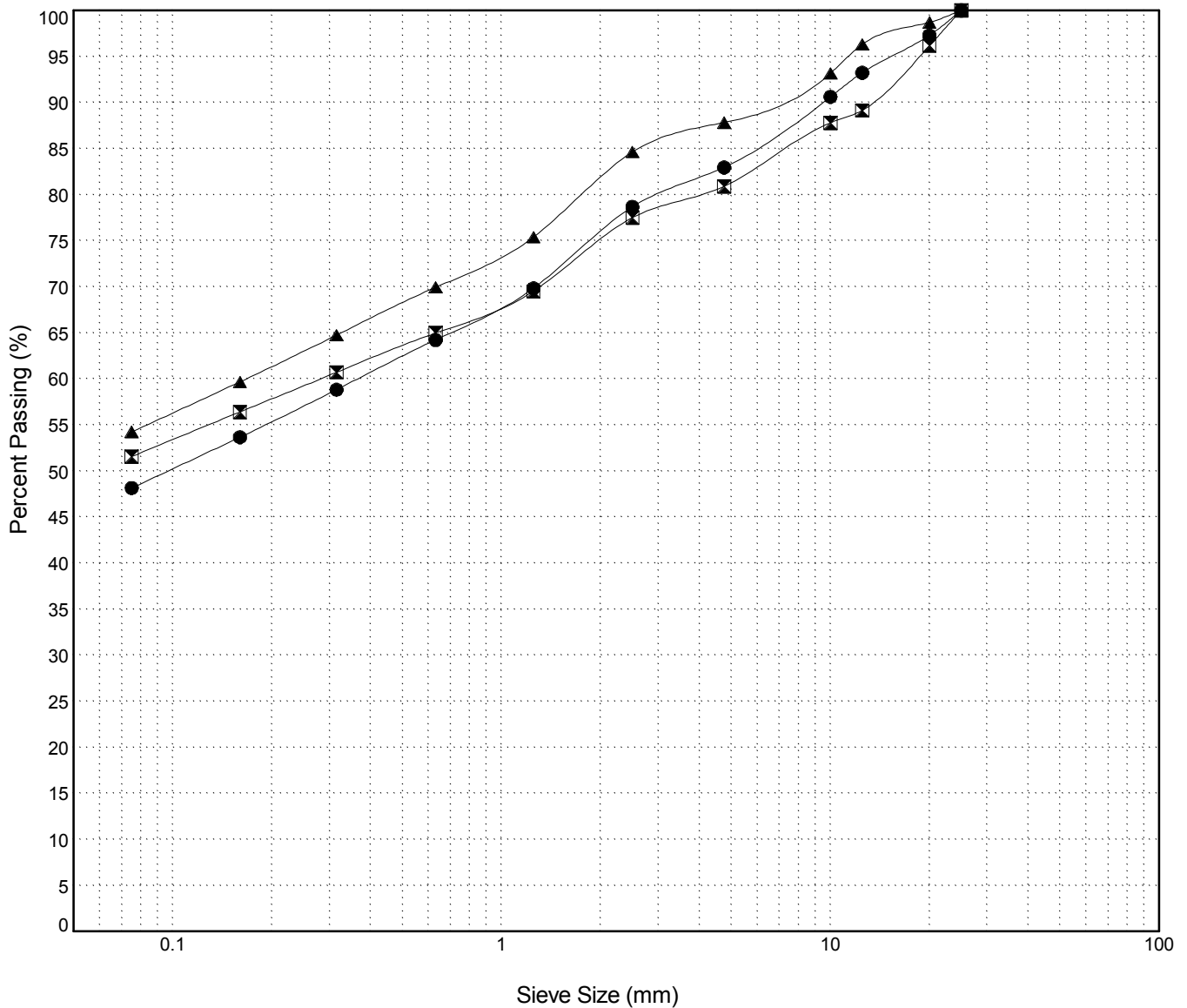
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4523
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772198m E482099m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 221	673	1.2 to	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP		
☒ 222	674	2.6 to	SANDY SILT with GRAVEL(ML)	9.9	NP	NP	NP		
▲ 223	675	4.1 to	SANDY SILT(ML)	10.1	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
● 221	673	100.0	100.0	100.0	100.0	100.0	97.3	93.2	90.6	82.9	78.7	69.8	64.2	58.8	53.7	48.1	17.1	34.8	48.1
☒ 222	674	100.0	100.0	100.0	100.0	96.2	89.1	87.8	80.9	77.5	69.5	65.0	60.7	56.4	51.6	19.1	29.3	51.6	
▲ 223	675	100.0	100.0	100.0	100.0	98.7	96.3	93.2	87.8	84.6	75.4	69.9	64.7	59.7	54.2	12.2	33.6	54.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



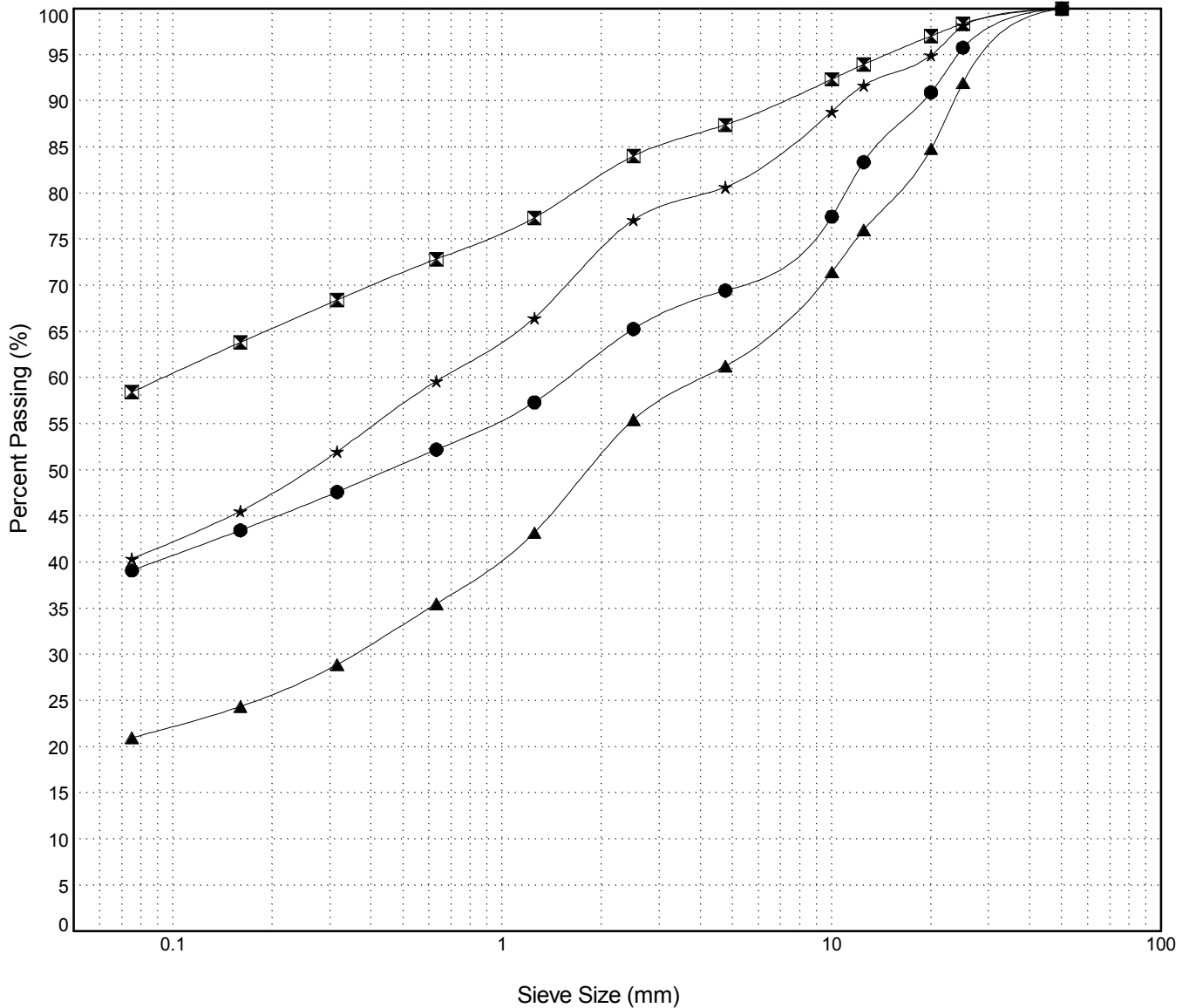
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4524
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772377m E482027m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 224	676	0.2 to	SILTY GRAVEL with SAND(GM)	7.9	NP	NP	NP		
☒ 225	677	1.2 to	SANDY SILT(ML)	11.9	NP	NP	NP		
▲ 226	678	2.6 to	SILTY SAND with GRAVEL(SM)	3.3	NP	NP	NP		
★ 227	679	4.1 to	SILTY SAND with GRAVEL(SM)	8.8	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
● 224	676	100.0	100.0	100.0	95.8	90.9	83.4	77.5	69.5	65.3	57.3	52.2	47.6	43.5	39.1	30.5	30.3	39.1	
☒ 225	677	100.0	100.0	100.0	98.4	97.0	94.0	92.3	87.4	84.0	77.3	72.9	68.4	63.8	58.5	12.6	28.9	58.5	
▲ 226	678	100.0	100.0	100.0	91.9	84.8	76.0	71.4	61.3	55.4	43.2	35.5	28.9	24.4	21.0	38.7	40.3	21.0	
★ 227	679	100.0	100.0	100.0	98.2	94.9	91.7	88.8	80.7	77.1	66.5	59.6	52.0	45.5	40.4	19.3	40.2	40.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



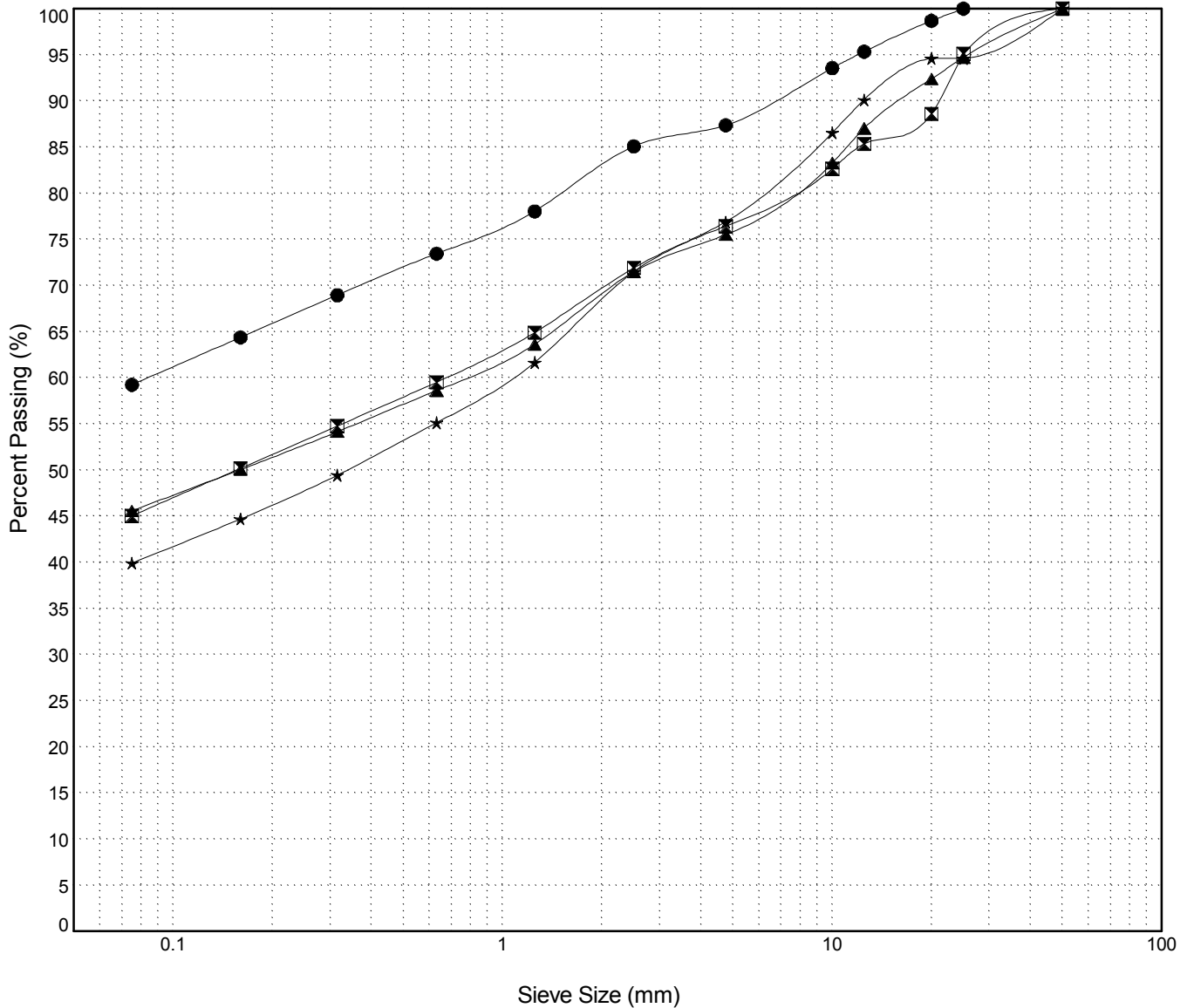
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4525
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772562m E481949m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 228	680	0.1 to	SANDY SILT (ML)	9.7	NP	NP	NP		
☒ 229	681	1.2 to	SILTY SAND with GRAVEL (SM)	7.5	NP	NP	NP		
▲ 230	682	2.6 to	SILTY SAND with GRAVEL (SM)	7.6	NP	NP	NP		
★ 231	683	4.1 to	SILTY SAND with GRAVEL (SM)	7.7	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
● 228	680	100.0	100.0	100.0	100.0	98.7	95.3	93.6	87.4	85.1	78.0	73.4	68.9	64.4	59.2	12.6	28.1	59.2	
☒ 229	681	100.0	100.0	100.0	95.1	88.6	85.3	82.6	76.4	71.9	64.9	59.5	54.8	50.2	45.0	23.6	31.4	45.0	
▲ 230	682	100.0	100.0	100.0	94.7	92.4	87.0	83.3	75.5	71.5	63.6	58.6	54.1	50.0	45.6	24.5	29.9	45.6	
★ 231	683	100.0	100.0	100.0	94.6	94.6	90.1	86.6	76.9	71.5	61.6	55.1	49.4	44.7	39.9	23.1	37.0	39.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



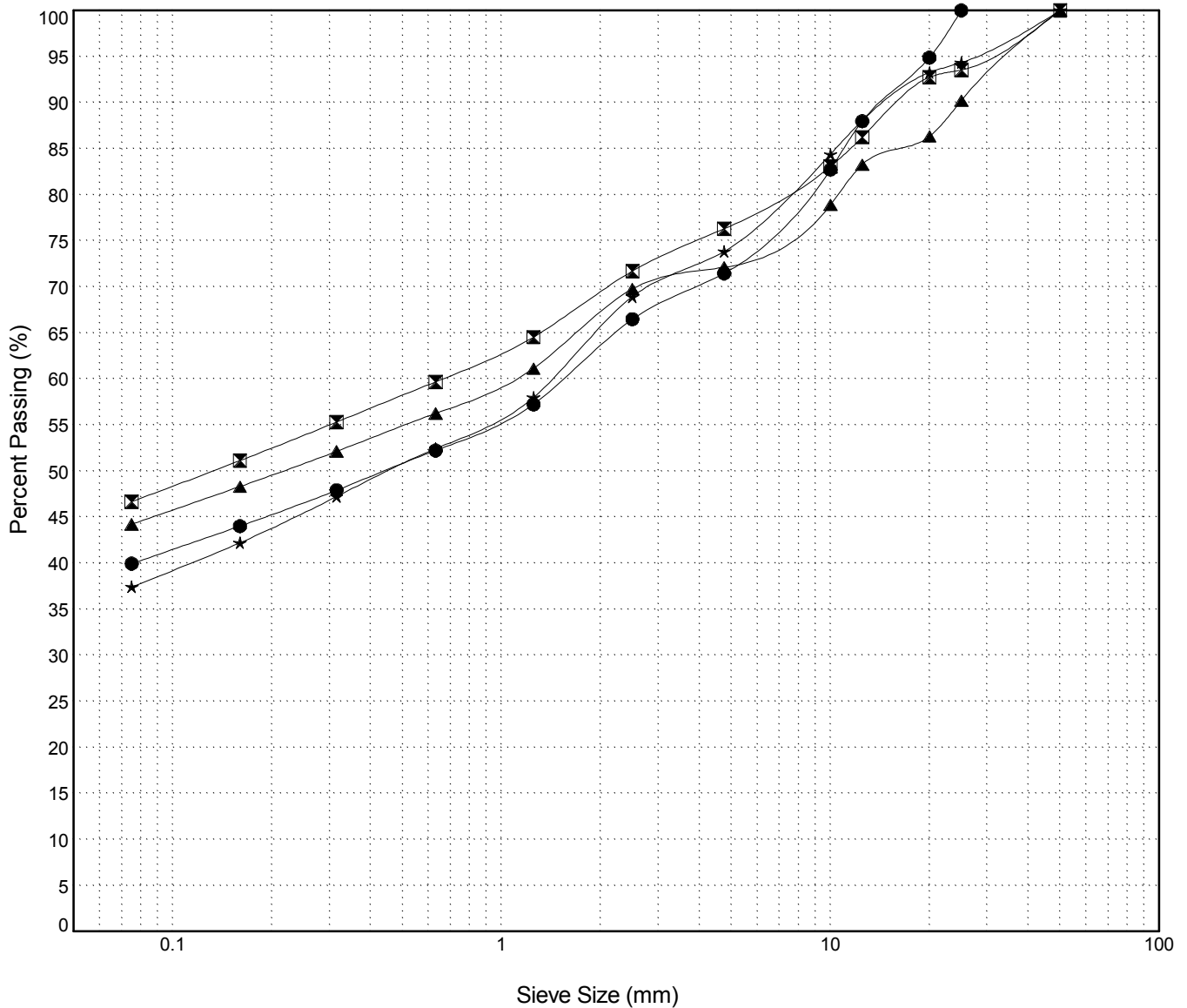
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4526
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772754m E481872m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 232	684	0.1 to	SILTY SAND with GRAVEL(SM)	6.3	NP	NP	NP		
☒ 233	685	1.2 to	SILTY SAND with GRAVEL(SM)	7.8	NP	NP	NP		
▲ 234	686	2.6 to	SILTY SAND with GRAVEL(SM)	7.8	NP	NP	NP		
★ 235	687	4.1 to	SILTY SAND with GRAVEL(SM)	8.1	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
● 232	684	100.0	100.0	100.0	100.0	94.9	88.0	82.7	71.5	66.5	57.2	52.2	47.9	44.0	39.9	28.5	31.5	39.9	
☒ 233	685	100.0	100.0	100.0	93.5	92.7	86.2	83.0	76.3	71.7	64.5	59.7	55.3	51.1	46.7	23.7	29.6	46.7	
▲ 234	686	100.0	100.0	100.0	90.2	86.3	83.3	78.9	72.1	69.8	61.1	56.2	52.1	48.3	44.2	27.9	27.9	44.2	
★ 235	687	100.0	100.0	100.0	94.3	93.2	88.0	84.4	73.8	68.9	58.0	52.4	47.2	42.2	37.4	26.2	36.4	37.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



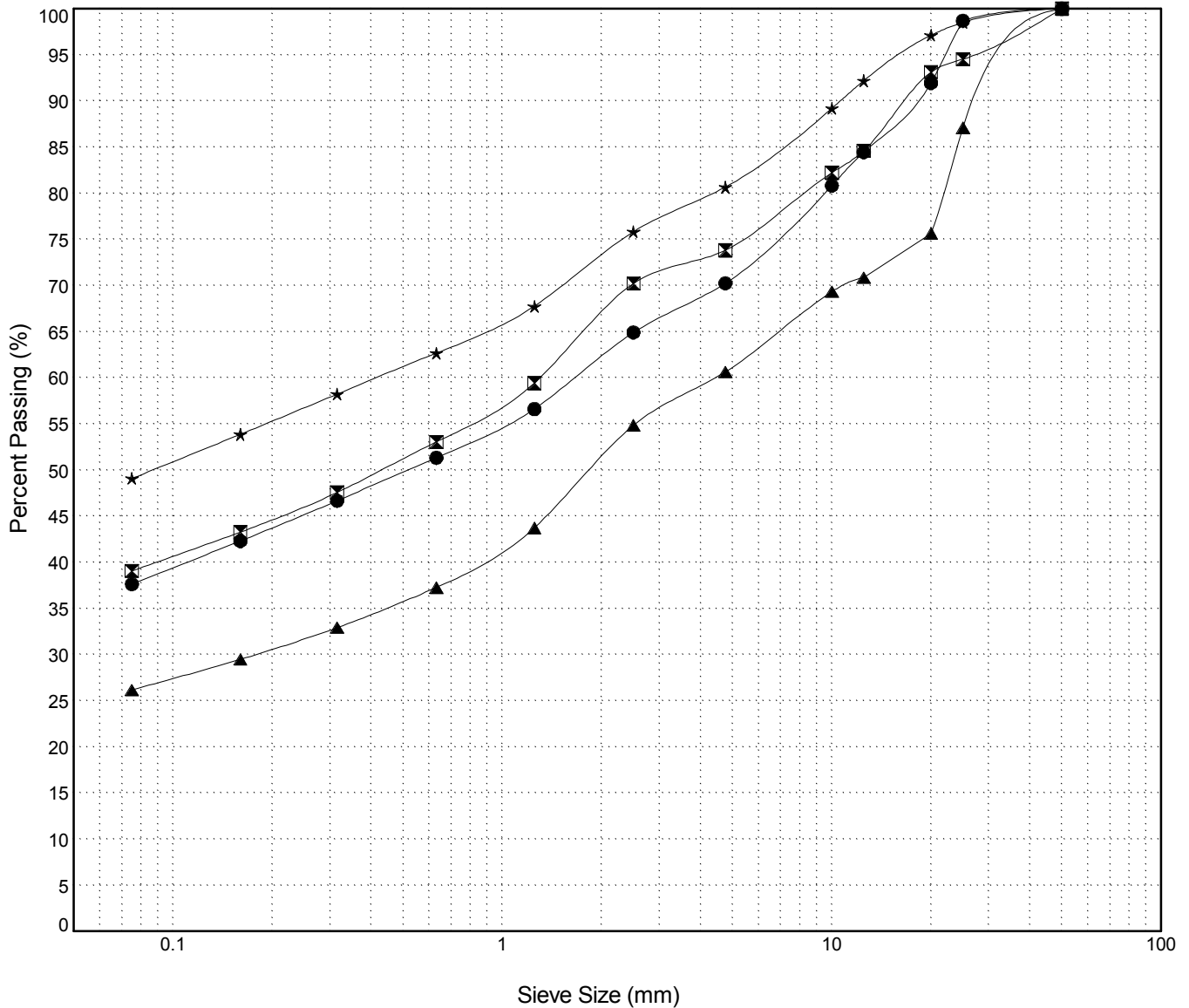
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4527
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6772935m E481793m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 236	688	0.1 to	SILTY SAND with GRAVEL(SM)	5.4	NP	NP	NP		
☒ 237	689	1.2 to	SILTY SAND with GRAVEL(SM)	7.6	NP	NP	NP		
▲ 238	690	2.6 to	SILTY GRAVEL with SAND(GM)	8.1	NP	NP	NP		
★ 239	691	4.1 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP		

Field #	Lab #	% PASSING															% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 236	688	100.0	100.0	100.0	100.0	98.7	91.9	84.4	80.8	70.2	64.9	56.6	51.3	46.7	42.3	37.6	29.8	32.6	37.6	
☒ 237	689	100.0	100.0	100.0	94.5	93.1	84.6	82.2	73.8	70.2	59.4	53.0	47.6	43.3	39.1	26.2	34.7	39.1		
▲ 238	690	100.0	100.0	100.0	87.1	75.7	70.8	69.3	60.6	54.9	43.7	37.3	32.9	29.5	26.2	39.4	34.5	26.2		
★ 239	691	100.0	100.0	100.0	98.5	97.1	92.2	89.2	80.7	75.8	67.7	62.7	58.2	53.9	49.1	19.3	31.6	49.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



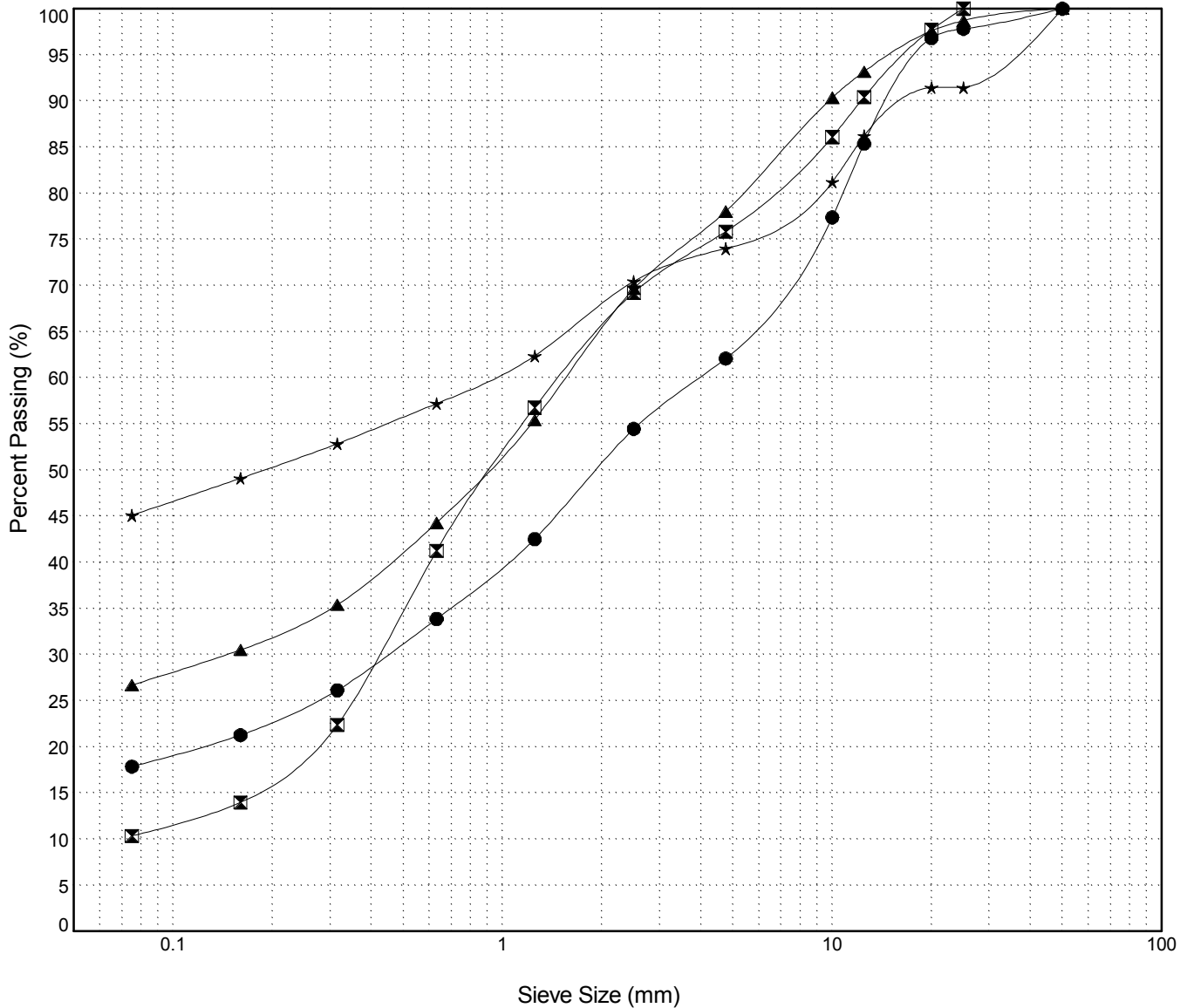
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4528
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773125m E481712m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 240	692	0.1 to	SILTY SAND with GRAVEL(SM)	2.6	NP	NP	NP		
☒ 241	693	1.2 to	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	5.0	NP	NP	NP	1.7	21.4
▲ 242	694	2.6 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP		
★ 243	695	4.2 to	SILTY SAND with GRAVEL(SM)	2.1	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
● 240	692	100.0	100.0	100.0	100.0	97.8	96.8	85.4	77.4	62.1	54.4	42.5	33.9	26.1	21.3	17.9	37.9	44.2	17.9	
☒ 241	693	100.0	100.0	100.0	100.0	97.7	90.4	86.1	75.8	69.2	56.7	41.2	22.4	14.0	10.3	24.2	65.5	10.3		
▲ 242	694	100.0	100.0	100.0	98.7	97.6	93.2	90.4	78.0	69.6	55.4	44.3	35.4	30.5	26.7	22.0	51.3	26.7		
★ 243	695	100.0	100.0	100.0	91.4	91.4	86.2	81.2	74.0	70.5	62.4	57.2	52.9	49.1	45.1	26.0	28.9	45.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



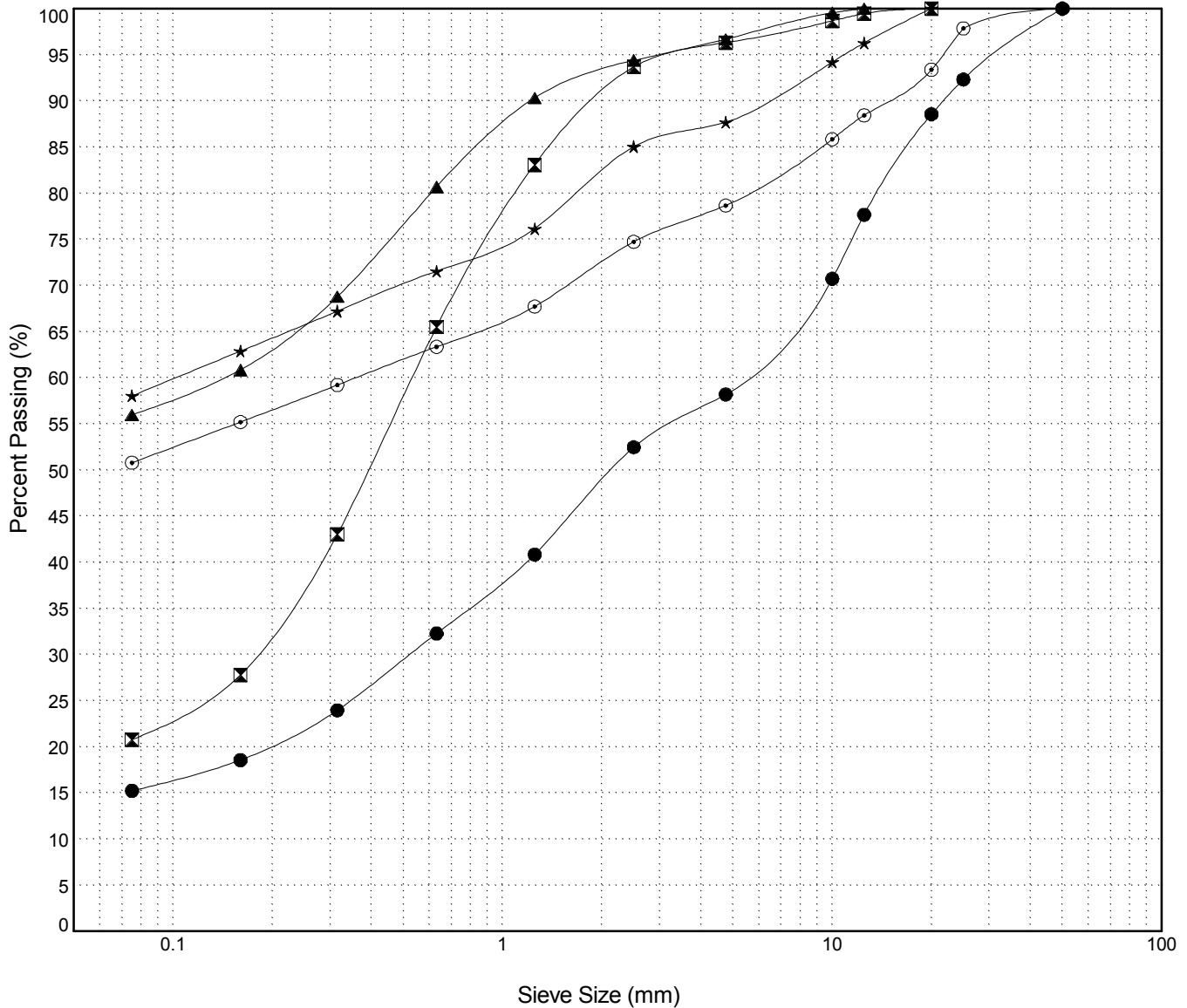
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4529
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773295m E481625m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 244	696	0.1 to	SILTY SAND with GRAVEL(SM)	2.5	NP	NP	NP		
☒ 245	697	0.8 to	SILTY SAND(SM)	13.7	NP	NP	NP		
▲ 246	698	1.2 to	SANDY SILT(ML)	17.3	NP	NP	NP		
★ 247	699	2.6 to	SANDY SILT(ML)	11.8	NP	NP	NP		
⊙ 248	700	4.1 to	SANDY SILT with GRAVEL(ML)	8.2	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	
● 244	696	100.0	100.0	100.0	92.3	88.6	77.7	70.7	58.2	52.5	40.8	32.3	24.0	18.6	15.2	41.8	43.0	15.2		
☒ 245	697	100.0	100.0	100.0	100.0	100.0	99.5	98.7	96.3	93.7	83.1	65.5	43.0	27.8	20.8	3.7	75.5	20.8		
▲ 246	698	100.0	100.0	100.0	100.0	100.0	100.0	99.5	96.7	94.4	90.3	80.7	68.8	60.8	56.0	3.3	40.7	56.0		
★ 247	699	100.0	100.0	100.0	100.0	100.0	96.3	94.2	87.7	85.1	76.1	71.5	67.2	62.9	58.0	12.3	29.6	58.0		
⊙ 248	700	100.0	100.0	100.0	97.9	93.4	88.4	85.8	78.7	74.7	67.7	63.3	59.2	55.2	50.8	21.3	27.9	50.8		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



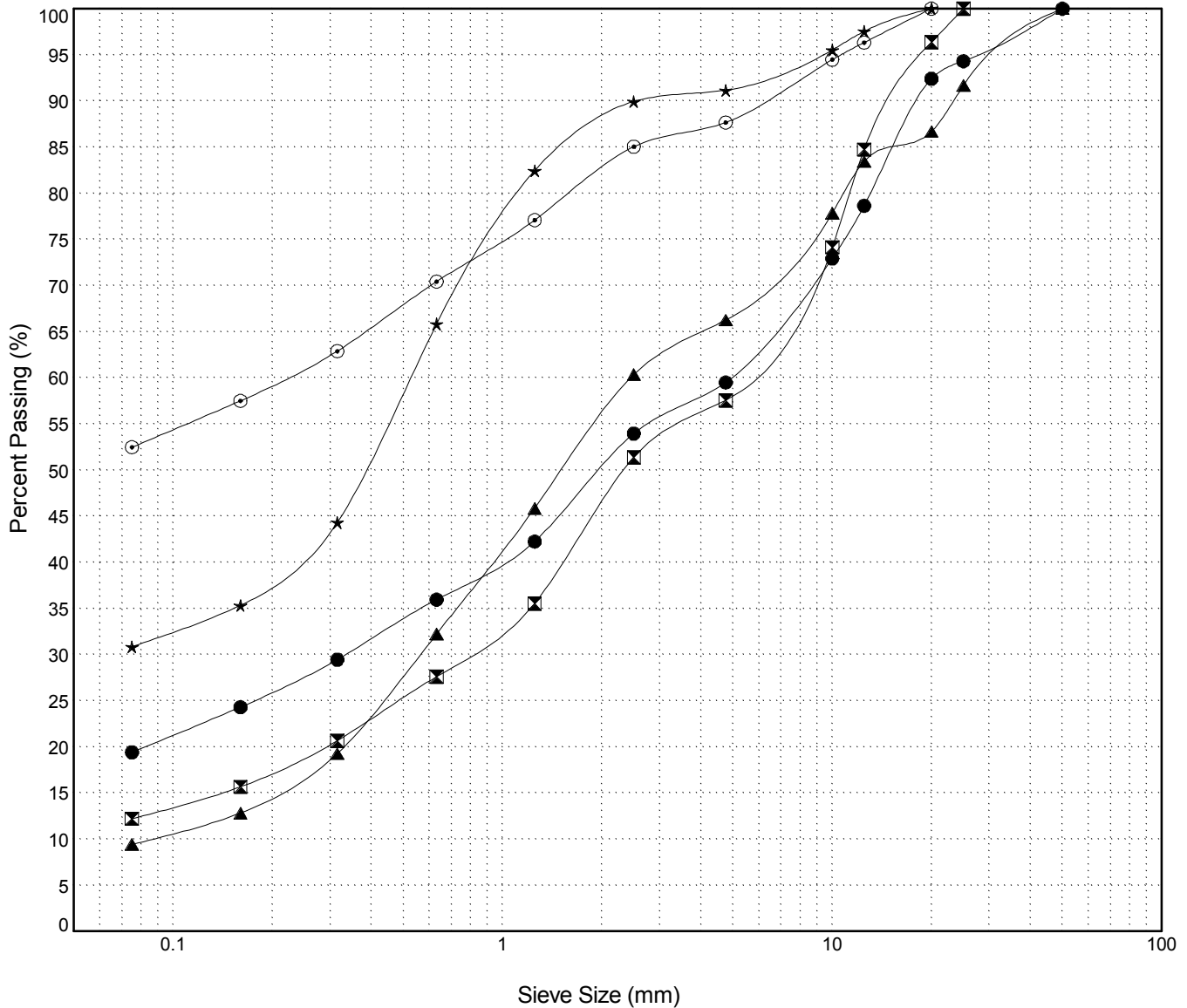
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4530
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773464m E481520m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 249	701	0.1 to	SILTY GRAVEL with SAND(GM)	3.7	NP	NP	NP		
☒ 250	702	1.1 to	SILTY SAND with GRAVEL(SM)	3.7	NP	NP	NP	2.5	114.6
▲ 251	703	2.6 to	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	4.3	NP	NP	NP	1.5	28.9
★ 252	704	3.3 to	SILTY SAND(SM)	10.5	NP	NP	NP		
⊙ 253	705	4.2 to	SANDY SILT(ML)	10.7	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
● 249	701	100.0	100.0	100.0	94.3	92.4	78.6	72.9	59.5	53.9	42.3	36.0	29.5	24.3	19.4	40.5	40.1	19.4	
☒ 250	702	100.0	100.0	100.0	100.0	96.4	84.7	74.1	57.6	51.4	35.5	27.6	20.7	15.7	12.2	42.4	45.4	12.2	
▲ 251	703	100.0	100.0	100.0	91.7	86.7	83.4	77.8	66.3	60.3	45.8	32.2	19.3	12.8	9.4	33.7	56.8	9.4	
★ 252	704	100.0	100.0	100.0	100.0	100.0	97.5	95.5	91.1	89.9	82.4	65.8	44.3	35.3	30.8	8.9	60.3	30.8	
⊙ 253	705	100.0	100.0	100.0	100.0	100.0	96.3	94.5	87.7	85.0	77.1	70.4	62.9	57.5	52.5	12.3	35.2	52.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



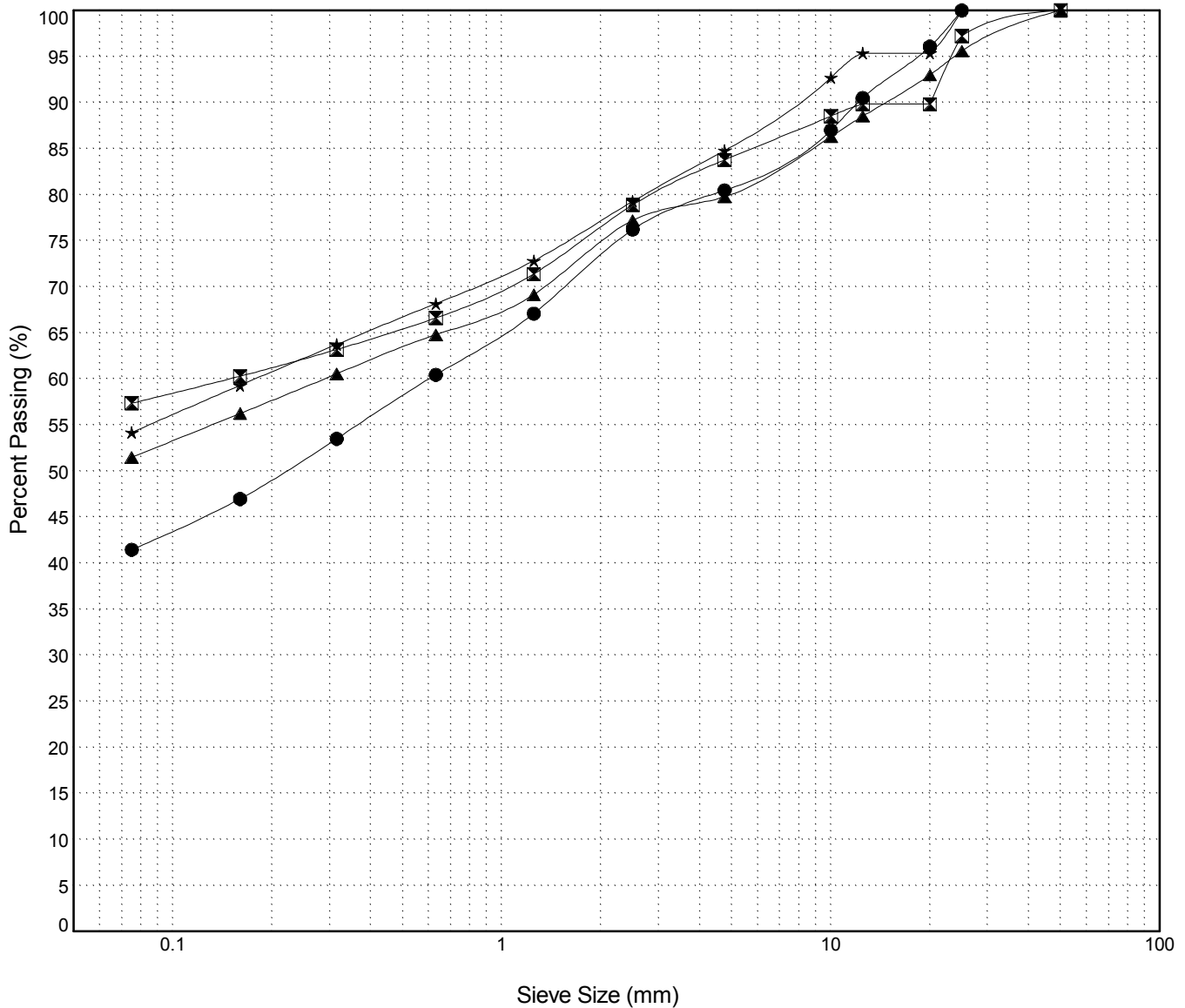
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4531
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773632m E481420m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 254	706	0.1 to	SILTY SAND with GRAVEL(SM)	8.3	NP	NP	NP		
☒ 255	707	1.2 to	SANDY SILT with GRAVEL(ML)	10.4	NP	NP	NP		
▲ 256	708	2.6 to	SANDY SILT with GRAVEL(ML)	9.7	NP	NP	NP		
★ 257	709	4.1 to	SANDY SILT with GRAVEL(ML)	9.2	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
● 254	706	100.0	100.0	100.0	100.0	96.1	90.5	87.0	80.5	76.2	67.1	60.4	53.5	47.0	41.4	19.5	39.0	41.4	
☒ 255	707	100.0	100.0	100.0	97.2	89.8	89.8	88.5	83.8	78.9	71.4	66.6	63.2	60.3	57.4	16.2	26.4	57.4	
▲ 256	708	100.0	100.0	100.0	95.6	93.0	88.5	86.3	79.7	77.2	69.1	64.8	60.5	56.2	51.5	20.3	28.3	51.5	
★ 257	709	100.0	100.0	100.0	100.0	95.4	95.4	92.7	84.8	79.3	72.8	68.2	63.7	59.3	54.2	15.2	30.6	54.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



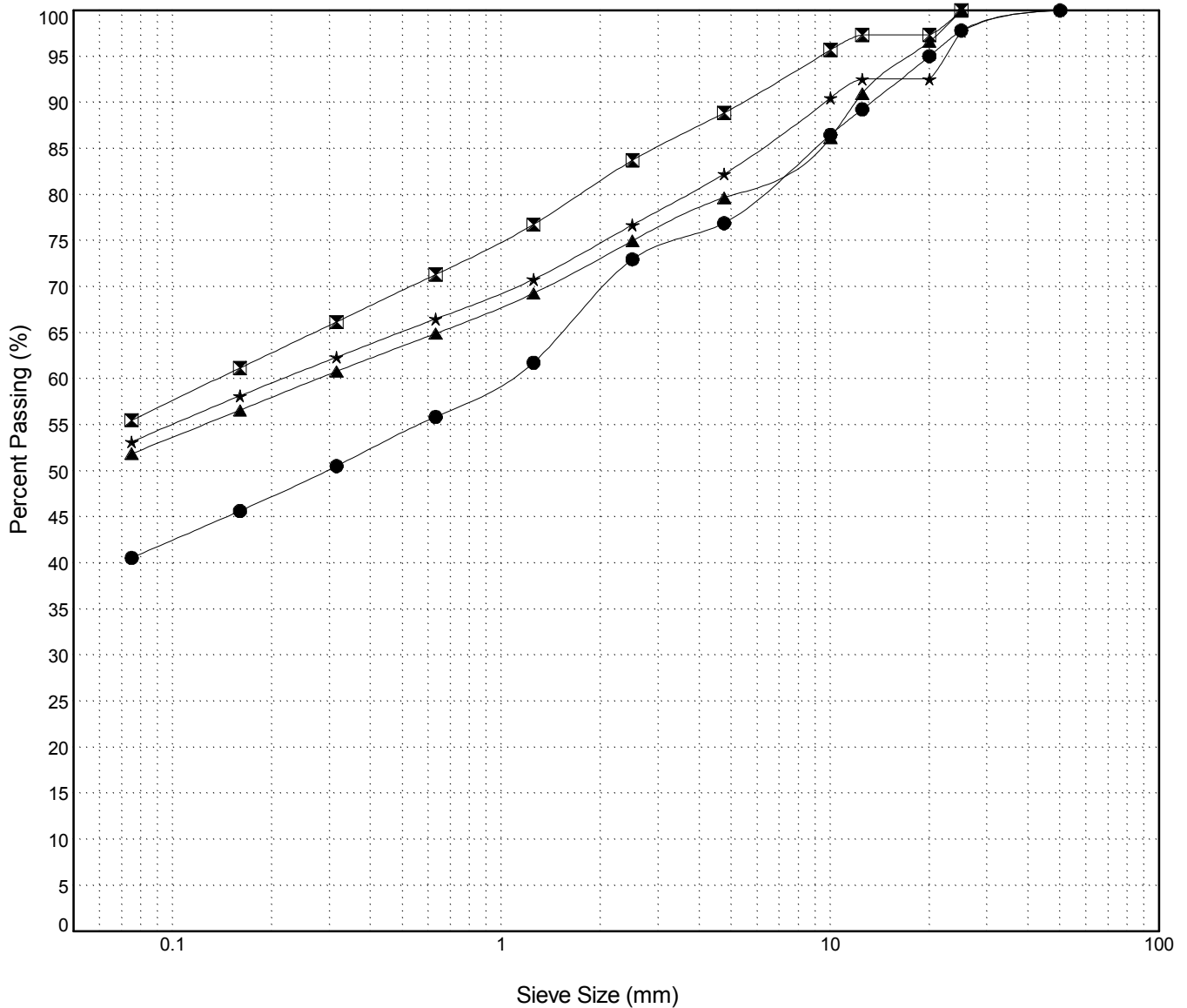
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4532
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773807m E481316m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 258	710	0.1 to	SILTY SAND with GRAVEL(SM)	8.8	NP	NP	NP		
☒ 259	711	1.2 to	SANDY SILT(ML)	12.6	NP	NP	NP		
▲ 260	712	2.6 to	SANDY SILT with GRAVEL(ML)	10.3	NP	NP	NP		
★ 261	713	4.1 to	SANDY SILT with GRAVEL(ML)	7.9	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
● 258	710	100.0	100.0	100.0	97.8	95.0	89.3	86.5	76.9	73.0	61.7	55.9	50.5	45.7	40.6	23.1	36.3	40.6	
☒ 259	711	100.0	100.0	100.0	100.0	97.3	97.3	95.7	88.9	83.7	76.8	71.3	66.2	61.2	55.5	11.1	33.4	55.5	
▲ 260	712	100.0	100.0	100.0	100.0	96.6	91.0	86.2	79.6	75.0	69.3	64.9	60.8	56.6	51.9	20.4	27.8	51.9	
★ 261	713	100.0	100.0	100.0	97.7	92.5	92.5	90.5	82.2	76.7	70.8	66.5	62.3	58.1	53.2	17.8	29.1	53.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



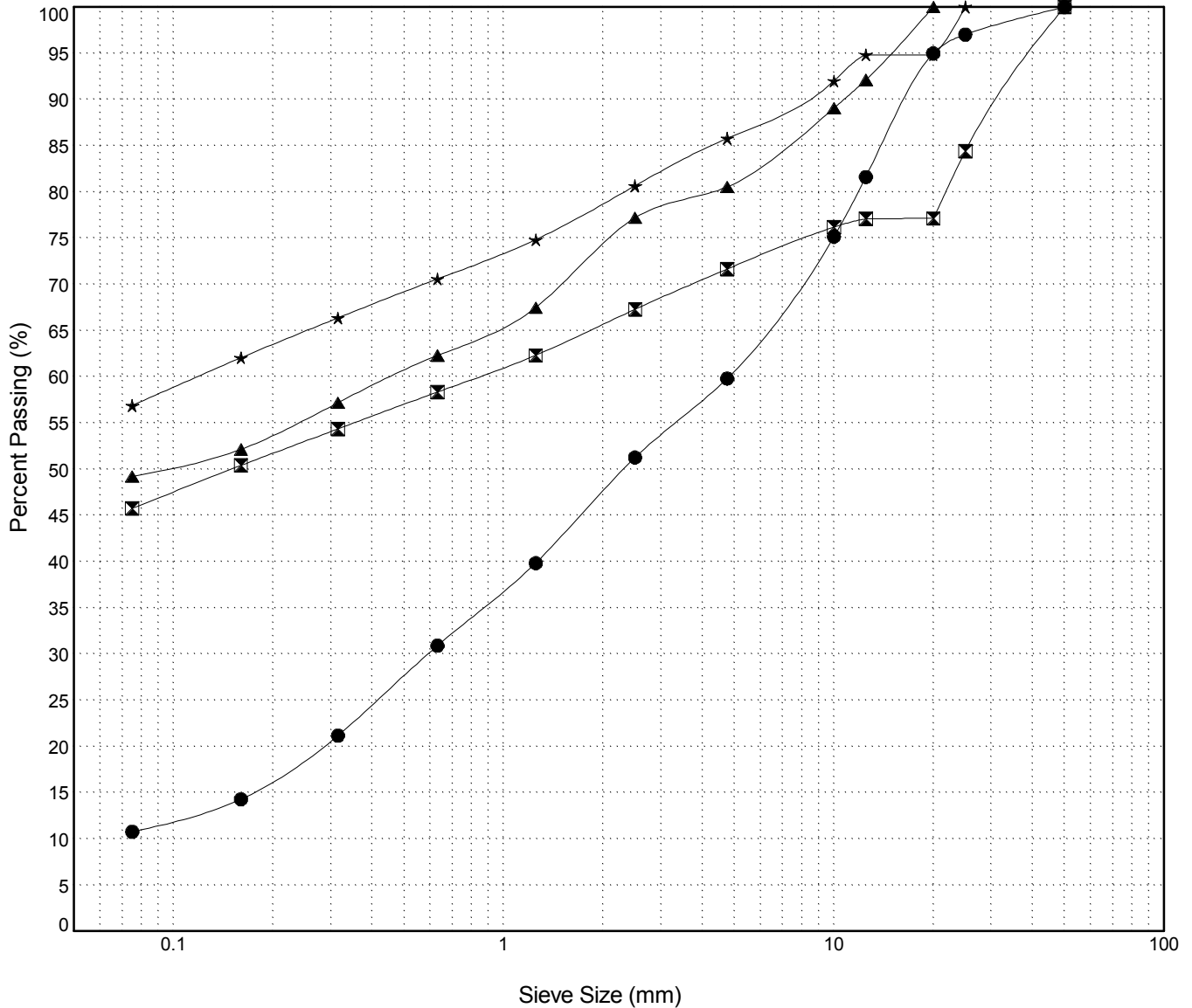
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4533
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773991m E481228m	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 262	714	0.1 to	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.6	NP	NP	NP	1.1	75.4
☒ 263	715	1.2 to	SILTY GRAVEL with SAND(GM)	10.9	NP	NP	NP		
▲ 264	716	2.6 to	SILTY SAND with GRAVEL(SM)	9.7	NP	NP	NP		
★ 265	717	4.1 to	SANDY SILT(ML)	10.9	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			
		%PASSING														Gravel	Sand	Silt	Clay
● 262	714	100.0	100.0	100.0	97.0	95.0	81.6	75.1	59.8	51.3	39.8	30.9	21.2	14.3	10.8	40.2	49.0	10.8	
☒ 263	715	100.0	100.0	100.0	84.4	77.1	77.1	76.2	71.6	67.3	62.3	58.3	54.3	50.4	45.7	28.4	25.9	45.7	
▲ 264	716	100.0	100.0	100.0	100.0	100.0	92.1	89.0	80.5	77.2	67.5	62.3	57.2	52.1	49.2	19.5	31.3	49.2	
★ 265	717	100.0	100.0	100.0	100.0	94.8	94.8	92.0	85.8	80.6	74.8	70.6	66.4	62.0	56.9	14.2	28.9	56.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



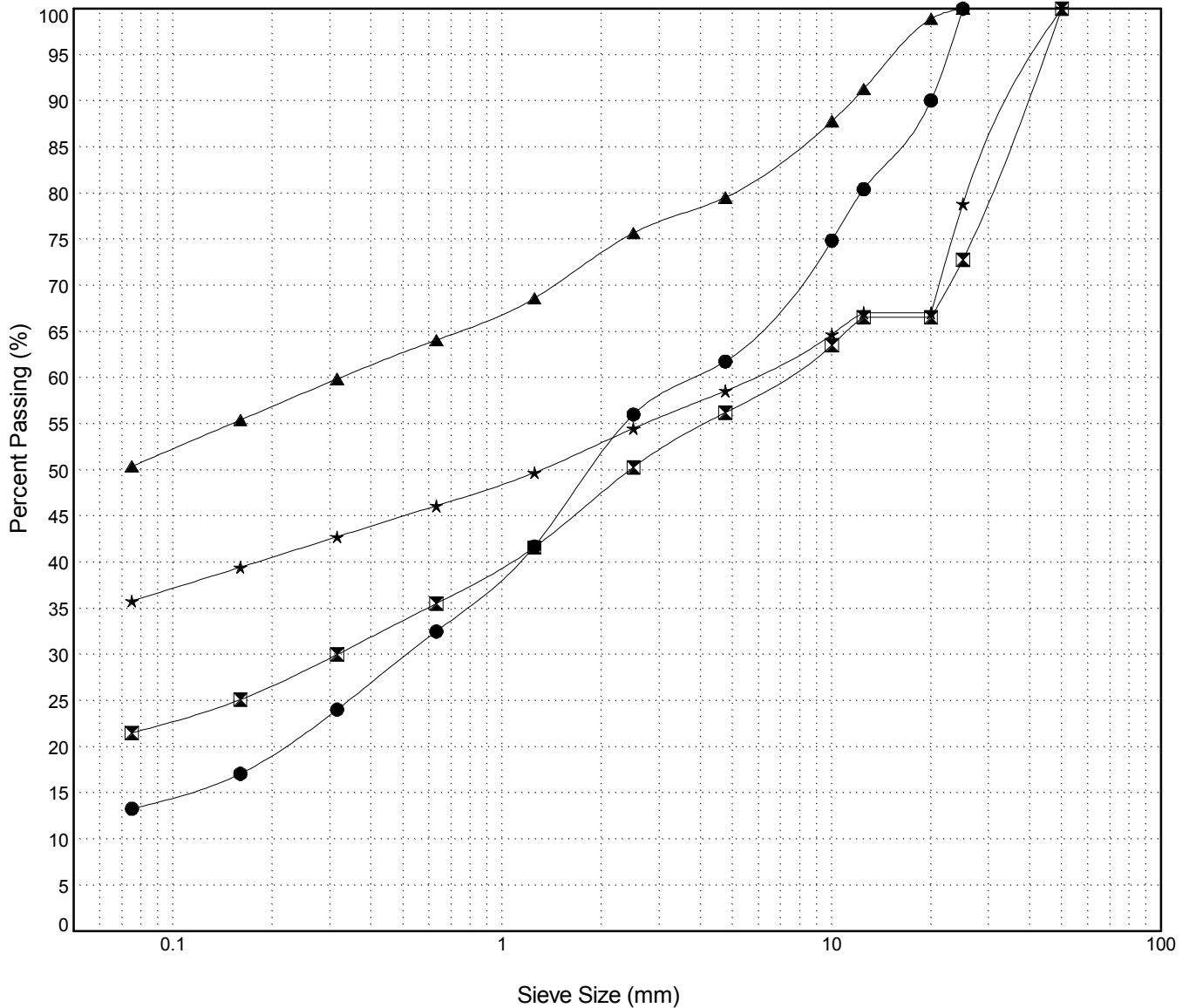
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4534
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6774165m E481144m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 266	718	0.1 to	SILTY SAND with GRAVEL(SM)	4.6	NP	NP	NP		
☒ 267	719	1.2 to	SILTY GRAVEL with SAND(GM)	6.7	NP	NP	NP		
▲ 268	720	2.6 to	SANDY SILT with GRAVEL(ML)	9.2	NP	NP	NP		
★ 269	721	4.1 to	SILTY GRAVEL with SAND(GM)	6.2	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
● 266	718	100.0	100.0	100.0	100.0	90.0	80.4	74.9	61.8	56.0	41.7	32.5	24.0	17.1	13.3	38.2	48.5	13.3	
☒ 267	719	100.0	100.0	100.0	72.8	66.5	66.5	63.5	56.2	50.3	41.6	35.5	30.0	25.1	21.5	43.8	34.7	21.5	
▲ 268	720	100.0	100.0	100.0	100.0	98.9	91.3	87.8	79.5	75.7	68.6	64.1	59.9	55.4	50.4	20.5	29.1	50.4	
★ 269	721	100.0	100.0	100.0	78.8	67.0	67.0	64.7	58.6	54.5	49.7	46.1	42.8	39.5	35.8	41.4	22.8	35.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



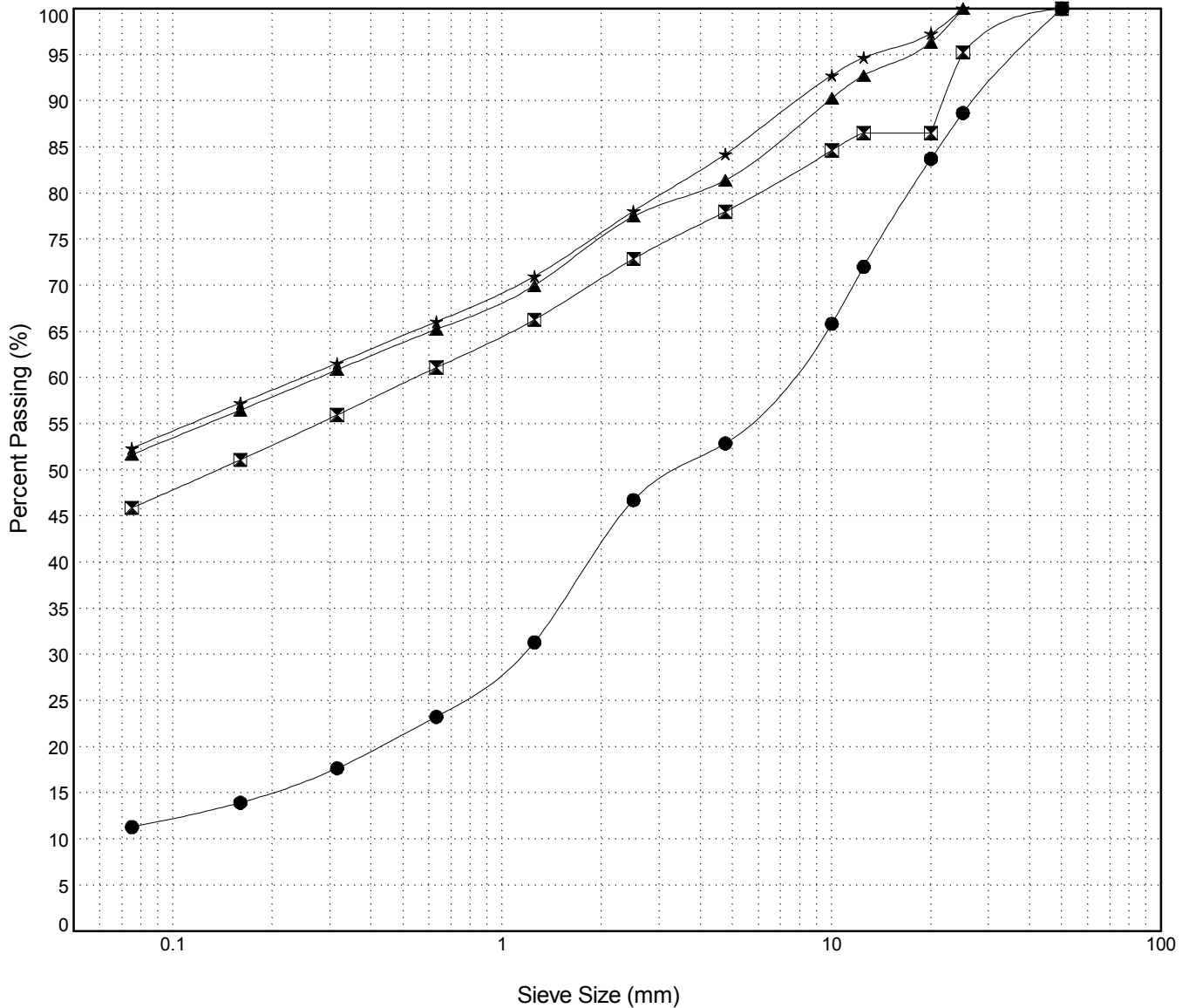
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4535
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6774348m E481059m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 270	722	0.1 to	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.8	NP	NP	NP	3.4	138.7
☒ 271	723	1.2 to	SILTY SAND with GRAVEL(SM)	11.2	NP	NP	NP		
▲ 272	724	2.6 to	SANDY SILT with GRAVEL(ML)	10.1	NP	NP	NP		
★ 273	725	4.1 to	SANDY SILT with GRAVEL(ML)	10.3	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
● 270	722	100.0	100.0	100.0	100.0	88.7	83.7	72.0	65.8	52.9	46.7	31.3	23.2	17.7	13.9	11.3	47.1	41.6	11.3	
☒ 271	723	100.0	100.0	100.0	95.3	86.5	86.5	84.6	78.0	72.9	66.3	61.1	56.0	51.1	45.9		22.0	32.1	45.9	
▲ 272	724	100.0	100.0	100.0	100.0	96.3	92.8	90.3	81.4	77.5	70.0	65.2	60.9	56.5	51.7		18.6	29.7	51.7	
★ 273	725	100.0	100.0	100.0	100.0	97.3	94.7	92.8	84.2	78.1	71.0	66.1	61.6	57.2	52.4		15.8	31.9	52.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



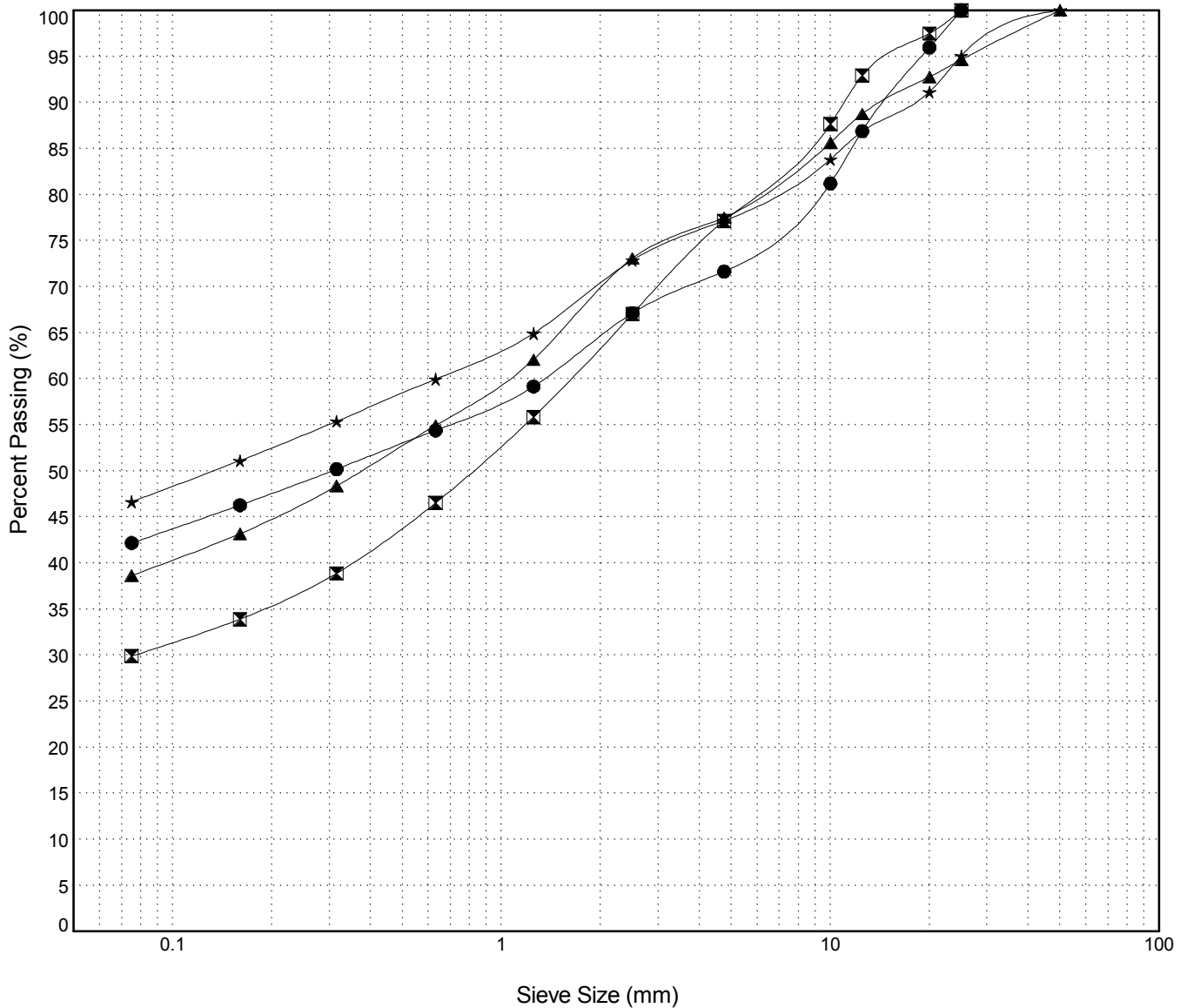
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4536
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6774528m E480967m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu
●	726	0.1 to	SILTY SAND with GRAVEL(SM)											5.0	NP	NP	NP		
☒	727	0.7 to	SILTY SAND with GRAVEL(SM)											10.7	NP	NP	NP		
▲	728	1.2 to	SILTY SAND with GRAVEL(SM)											8.5	NP	NP	NP		
★	729	2.6 to	SILTY SAND with GRAVEL(SM)											6.4	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
●	726	100.0	100.0	100.0	100.0	96.0	86.9	81.2	71.7	67.1	59.2	54.4	50.2	46.3	42.2	28.3	29.5	42.2	
☒	727	100.0	100.0	100.0	100.0	97.5	92.9	87.7	77.1	67.0	55.9	46.5	38.9	33.9	29.9	22.9	47.2	29.9	
▲	728	100.0	100.0	100.0	94.6	92.8	88.8	85.6	77.5	73.1	62.1	54.9	48.4	43.2	38.6	22.5	38.9	38.6	
★	729	100.0	100.0	100.0	95.1	91.1	86.9	83.8	77.2	72.9	64.9	60.0	55.4	51.1	46.7	22.8	30.5	46.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



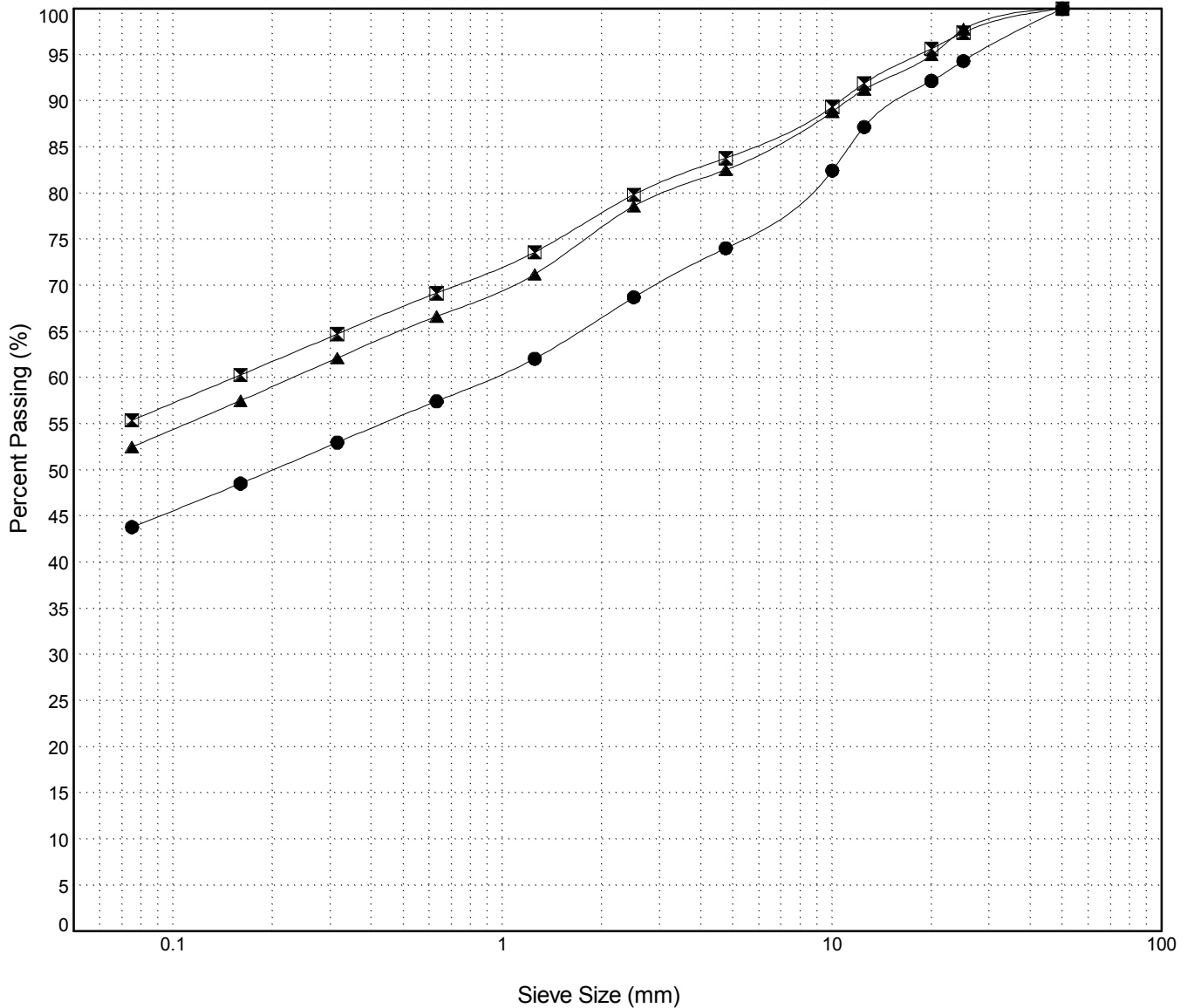
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4537
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6774695m E480859m	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 279	731	0.1 to	SILTY SAND with GRAVEL(SM)	6.7	NP	NP	NP		
☒ 280	732	1.1 to	SANDY SILT with GRAVEL(ML)	13.4	NP	NP	NP		
▲ 281	733	2.6 to	SANDY SILT with GRAVEL(ML)	11.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 279	731	100.0	100.0	100.0	94.3	92.2	87.2	82.4	74.0	68.7	62.1	57.4	53.0	48.5	43.8	26.0	30.2	43.8	
☒ 280	732	100.0	100.0	100.0	97.4	95.7	91.9	89.3	83.8	79.8	73.6	69.2	64.7	60.3	55.4	16.2	28.4	55.4	
▲ 281	733	100.0	100.0	100.0	97.8	95.0	91.2	88.8	82.5	78.6	71.2	66.6	62.1	57.5	52.5	17.5	30.0	52.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



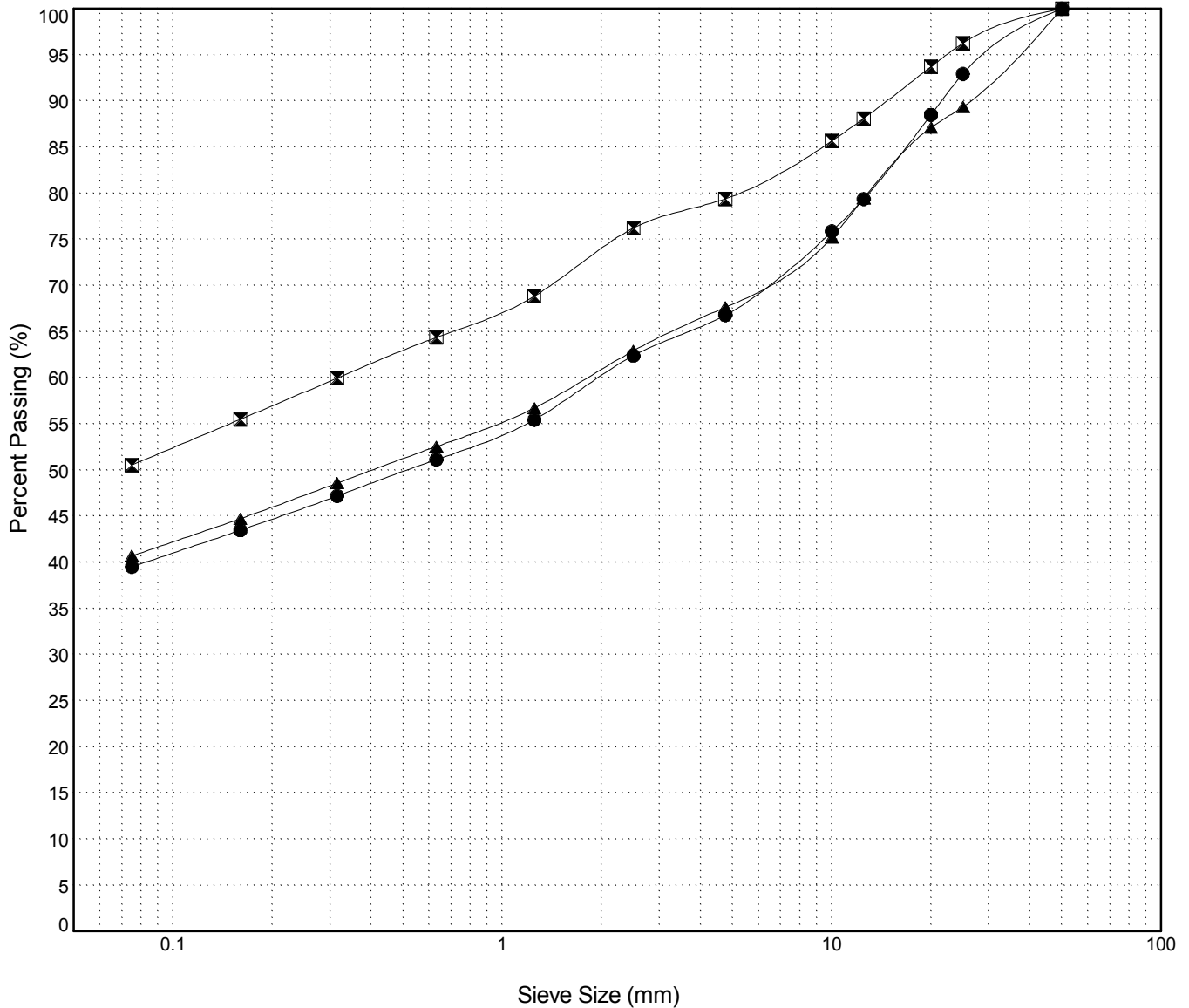
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4538
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6774873m E480756m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 283	735	0.3 to	SILTY GRAVEL with SAND(GM)	4.5	NP	NP	NP		
☒ 284	736	1.2 to	SANDY SILT with GRAVEL(ML)	11.5	NP	NP	NP		
▲ 286	738	4.1 to	SILTY GRAVEL with SAND(GM)	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
● 283	735	100.0	100.0	100.0	100.0	92.9	88.5	79.4	75.9	66.8	62.4	55.4	51.1	47.2	43.5	39.5	33.2	27.3	39.5
☒ 284	736	100.0	100.0	100.0	96.3	93.7	88.1	85.6	79.4	76.2	68.8	64.4	60.0	55.5	50.5	20.6	28.8	50.5	
▲ 286	738	100.0	100.0	100.0	89.3	87.1	79.4	75.2	67.6	62.9	56.7	52.5	48.6	44.7	40.7	32.4	26.9	40.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



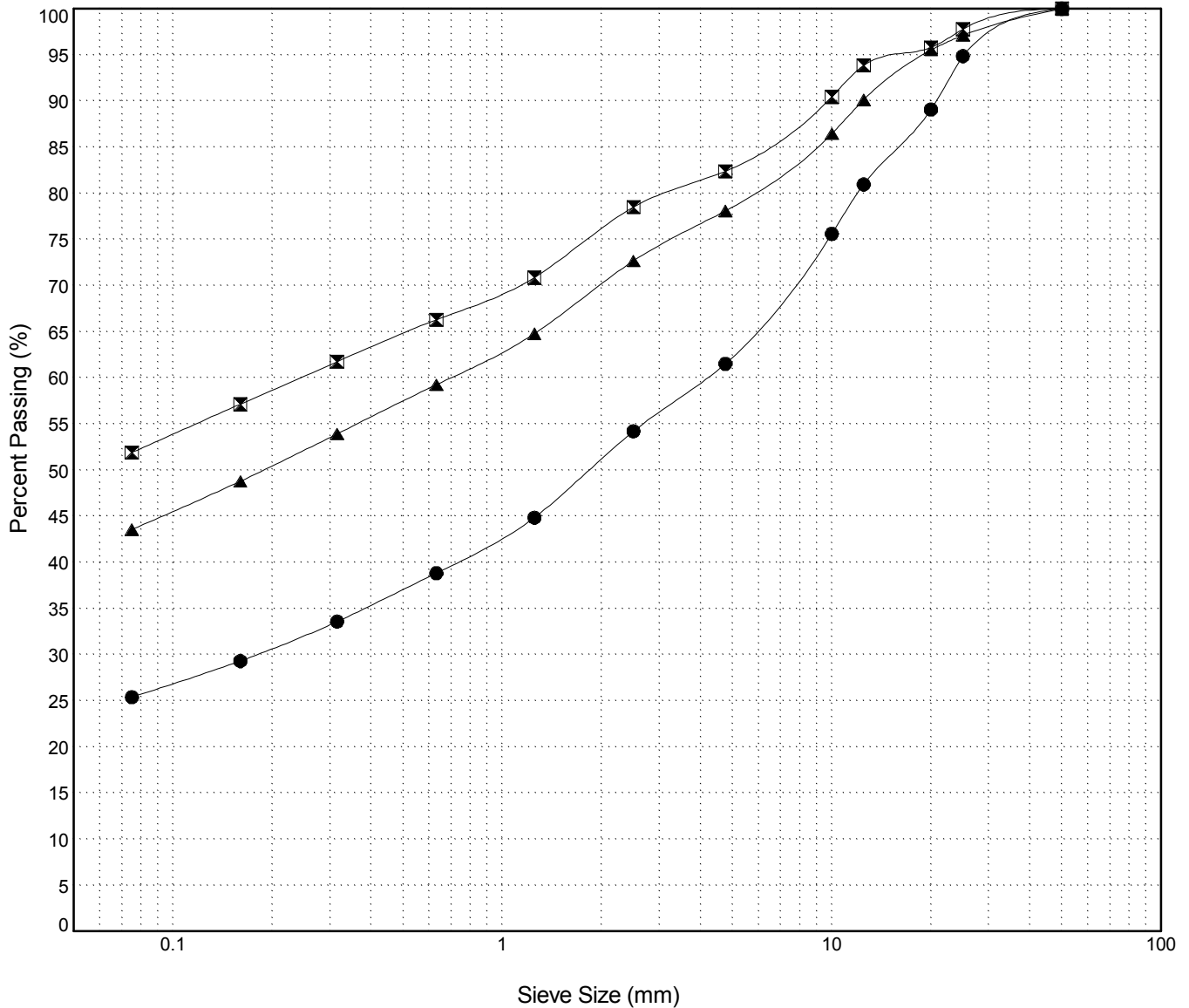
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4539
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6775055m E480702m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 287	739	0.1 to	SILTY GRAVEL with SAND(GM)	3.4	NP	NP	NP		
☒ 288	740	1.2 to	SANDY SILT with GRAVEL(ML)	10.6	NP	NP	NP		
▲ 289	741	2.6 to	SILTY SAND with GRAVEL(SM)	9.4	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
● 287	739	100.0	100.0	100.0	100.0	94.8	89.1	80.9	75.6	61.5	54.2	44.8	38.8	33.6	29.3	25.4	38.5	36.1	25.4	
☒ 288	740	100.0	100.0	100.0	97.8	95.8	93.8	90.4	82.4	78.5	70.9	66.3	61.7	57.1	51.9	17.6	30.5	51.9		
▲ 289	741	100.0	100.0	100.0	97.1	95.5	90.1	86.5	78.1	72.7	64.8	59.2	53.9	48.8	43.6	21.9	34.5	43.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



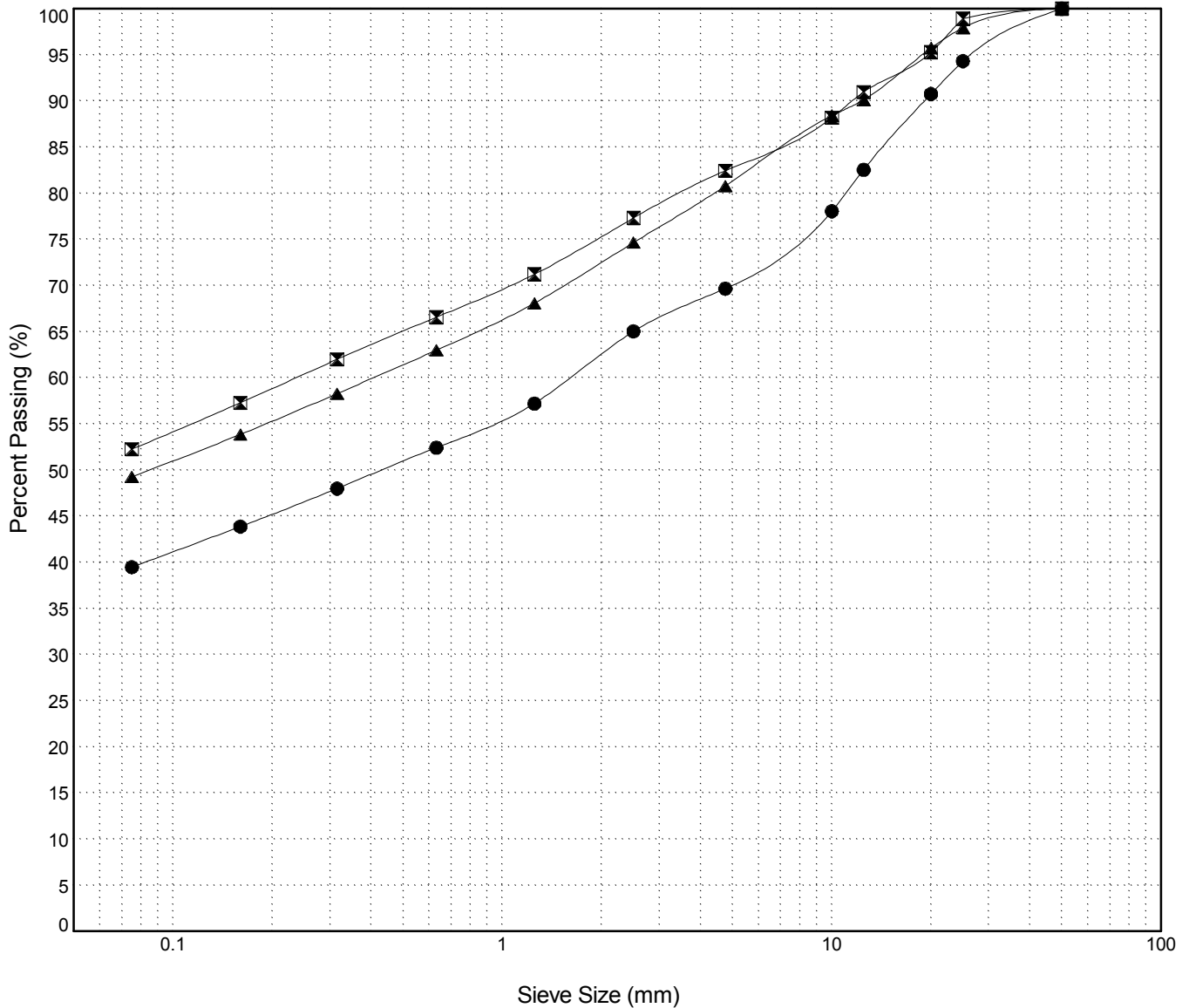
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 808-4540
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6773249m E480640m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 291	743	0.1 to	SILTY GRAVEL with SAND(GM)	7.0	NP	NP	NP		
☒ 292	744	1.2 to	SANDY SILT with GRAVEL(ML)	11.4	NP	NP	NP		
▲ 294	746	4.1 to	SILTY SAND with GRAVEL(SM)	9.0	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
● 291	743	100.0	100.0	100.0	94.3	90.7	82.5	78.0	69.7	65.0	57.2	52.4	48.0	43.9	39.5	30.3	30.2	39.5	
☒ 292	744	100.0	100.0	100.0	98.9	95.3	91.0	88.2	82.4	77.3	71.2	66.6	62.0	57.3	52.3	17.6	30.2	52.3	
▲ 294	746	100.0	100.0	100.0	97.9	95.7	90.1	88.4	80.8	74.6	68.1	63.0	58.3	53.8	49.3	19.2	31.5	49.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



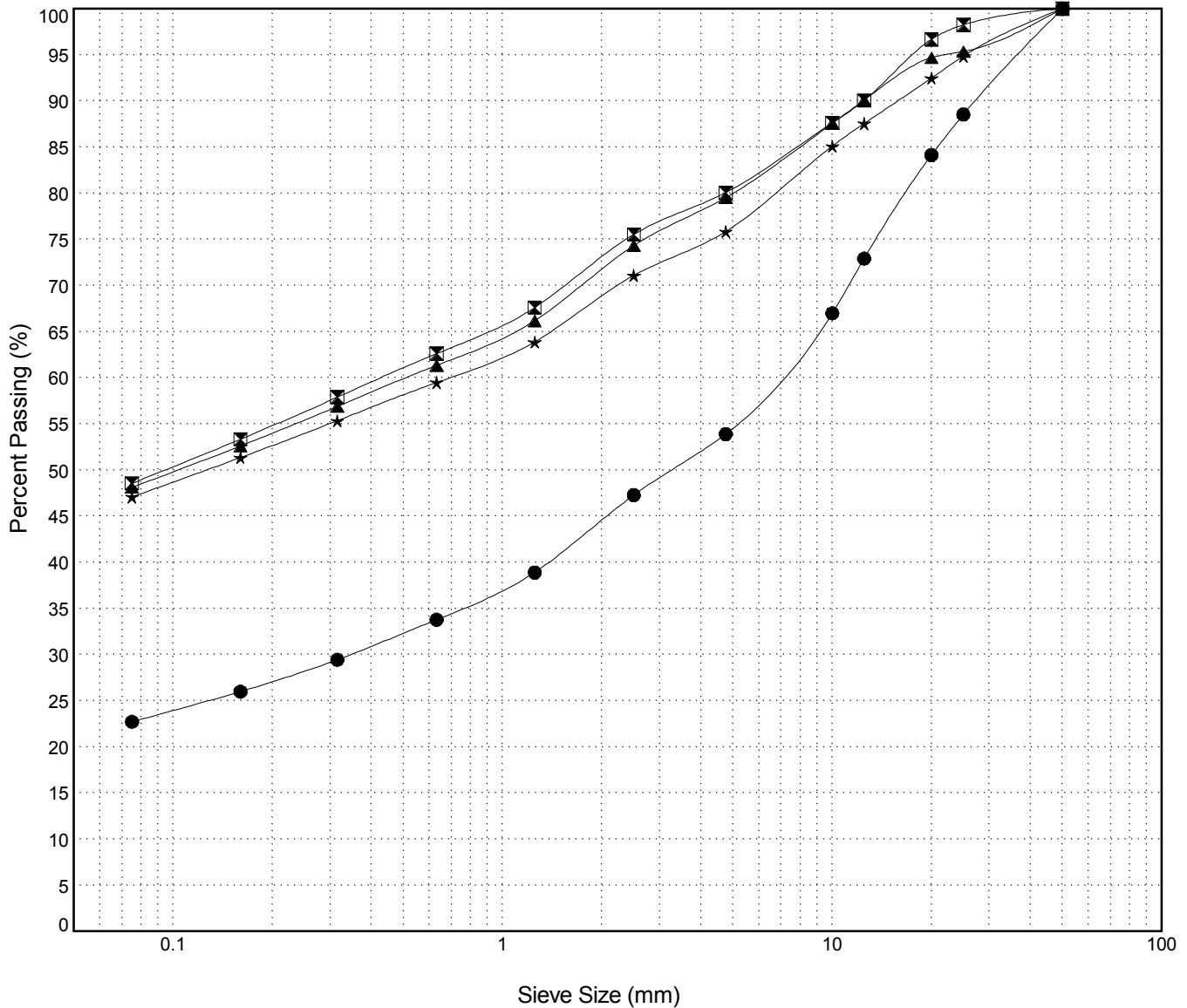
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4541
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6775428m E480588m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 295	747	0.1 to	SILTY GRAVEL with SAND(GM)	4.0	NP	NP	NP		
☒ 296	748	1.2 to	SILTY SAND with GRAVEL(SM)	9.5	NP	NP	NP		
▲ 297	749	2.6 to	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP		
★ 298	750	4.1 to	SILTY SAND with GRAVEL(SM)	8.3	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
● 295	747	100.0	100.0	100.0	88.5	84.1	72.9	67.0	53.9	47.3	38.9	33.8	29.4	26.0	22.7	46.1	31.2	22.7	
☒ 296	748	100.0	100.0	100.0	98.2	96.7	90.0	87.6	80.1	75.5	67.6	62.6	57.9	53.3	48.6	19.9	31.5	48.6	
▲ 297	749	100.0	100.0	100.0	95.4	94.7	90.1	87.6	79.5	74.3	66.2	61.3	56.9	52.6	48.1	20.5	31.4	48.1	
★ 298	750	100.0	100.0	100.0	94.8	92.5	87.5	85.1	75.8	71.1	63.9	59.5	55.3	51.3	47.1	24.2	28.8	47.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



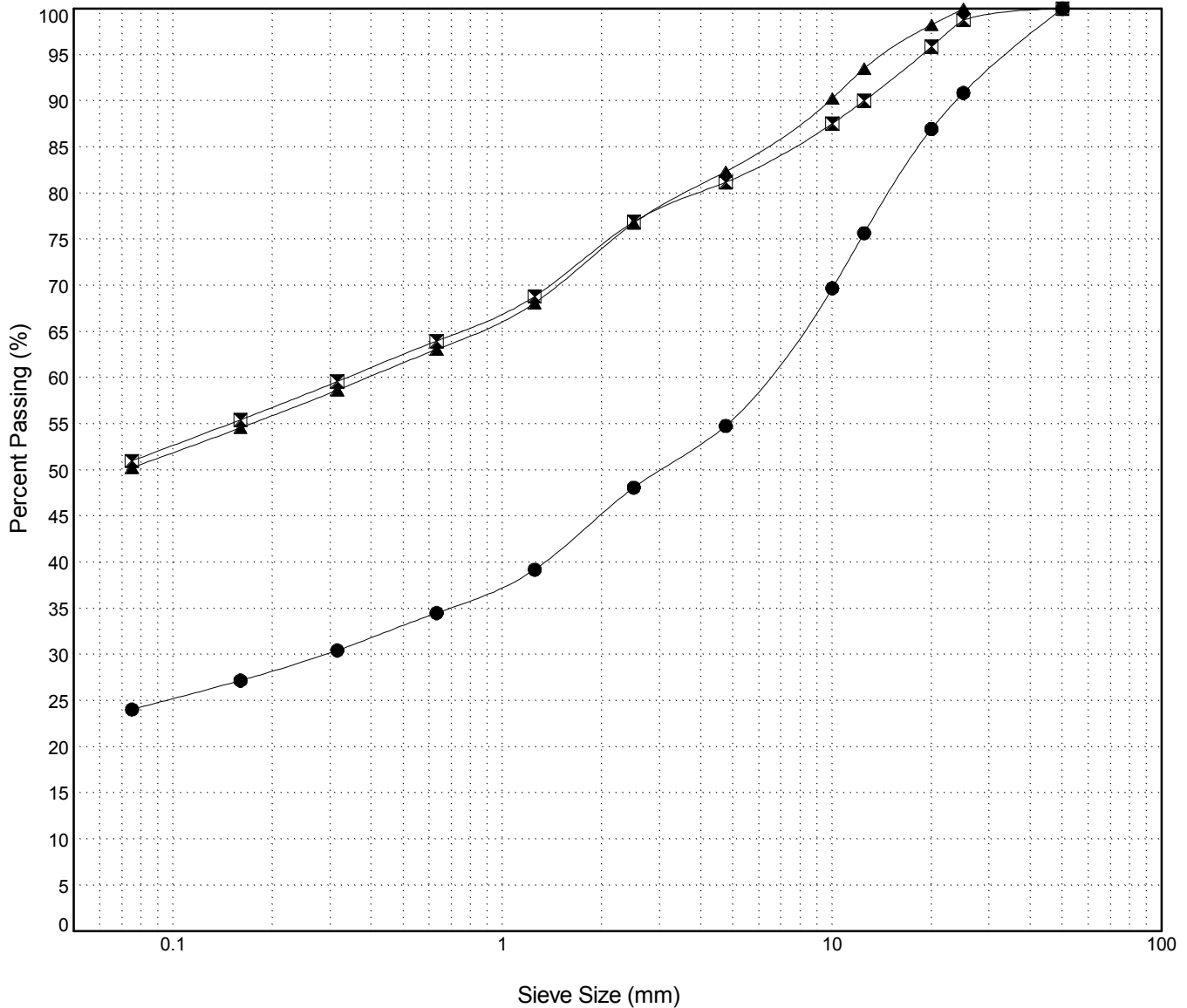
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4542
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6775633m E480575m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 299	751	0.1 to	SILTY GRAVEL with SAND(GM)	2.9	NP	NP	NP		
☒ 300	752	1.2 to	SANDY SILT with GRAVEL(ML)	9.6	NP	NP	NP		
▲ 301	753	2.6 to	SANDY SILT with GRAVEL(ML)	9.4	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
● 299	751	100.0	100.0	100.0	100.0	90.9	87.0	75.7	69.7	54.8	48.1	39.2	34.5	30.5	27.2	24.1	45.2	30.7	24.1	
☒ 300	752	100.0	100.0	100.0	98.8	95.9	90.0	87.5	81.2	76.9	68.8	64.0	59.6	55.4	51.0	18.8	30.2	51.0		
▲ 301	753	100.0	100.0	100.0	100.0	98.2	93.5	90.3	82.3	76.7	68.1	63.1	58.7	54.6	50.3	17.7	32.1	50.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



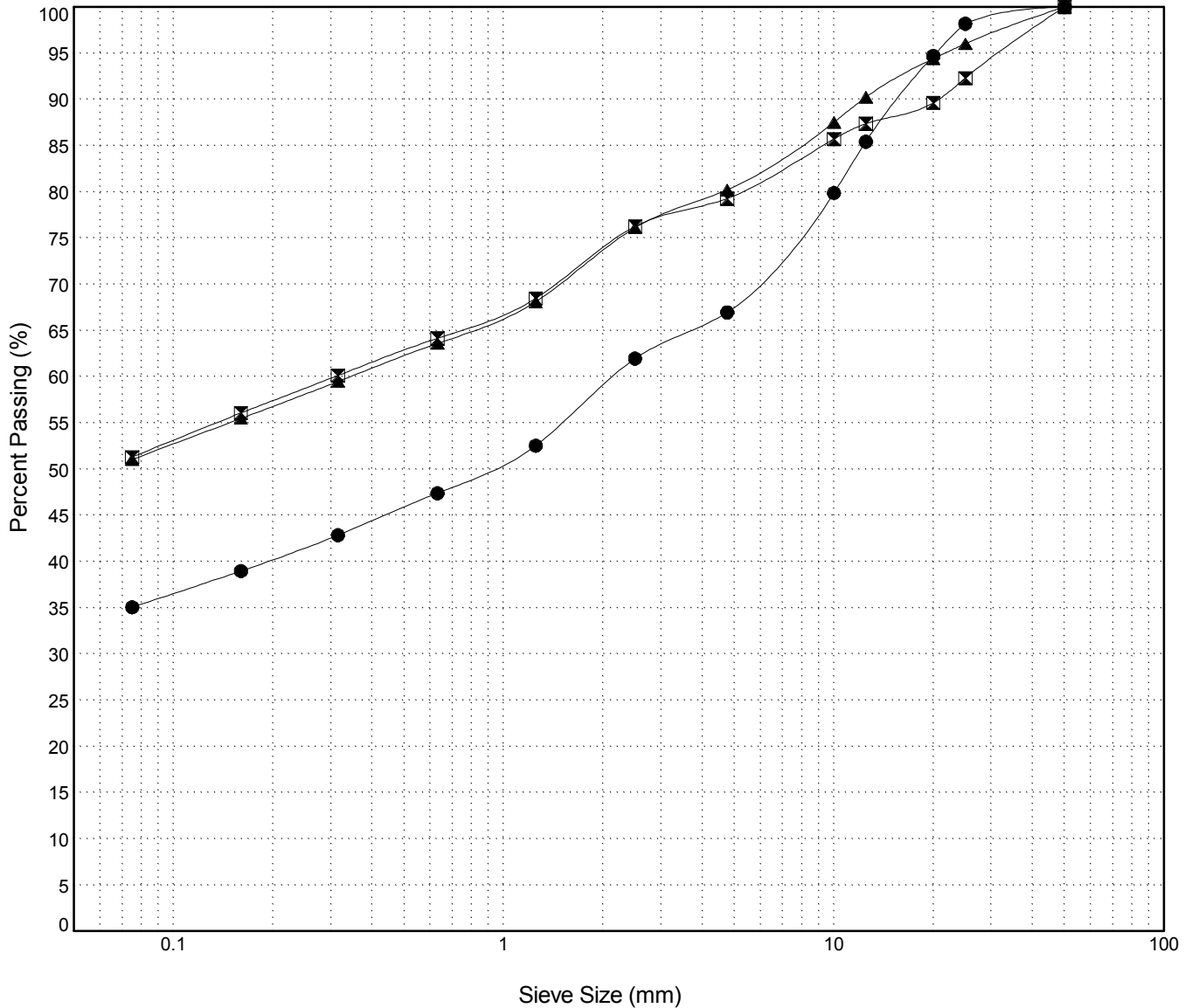
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4543
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6775833m E480586m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 303	755	0.1 to	SILTY GRAVEL with SAND(GM)	5.1	NP	NP	NP		
☒ 304	756	1.2 to	SANDY SILT with GRAVEL(ML)	9.4	NP	NP	NP		
▲ 306	758	4.0 to	SANDY SILT with GRAVEL(ML)	9.4	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
● 303	755	100.0	100.0	100.0	98.2	94.7	85.4	79.9	67.0	62.0	52.5	47.4	42.8	39.0	35.1	33.0	31.9	35.1	
☒ 304	756	100.0	100.0	100.0	92.3	89.6	87.4	85.7	79.3	76.3	68.5	64.1	60.1	56.1	51.3	20.7	28.0	51.3	
▲ 306	758	100.0	100.0	100.0	96.0	94.4	90.2	87.5	80.2	76.1	68.1	63.6	59.5	55.5	51.0	19.8	29.2	51.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



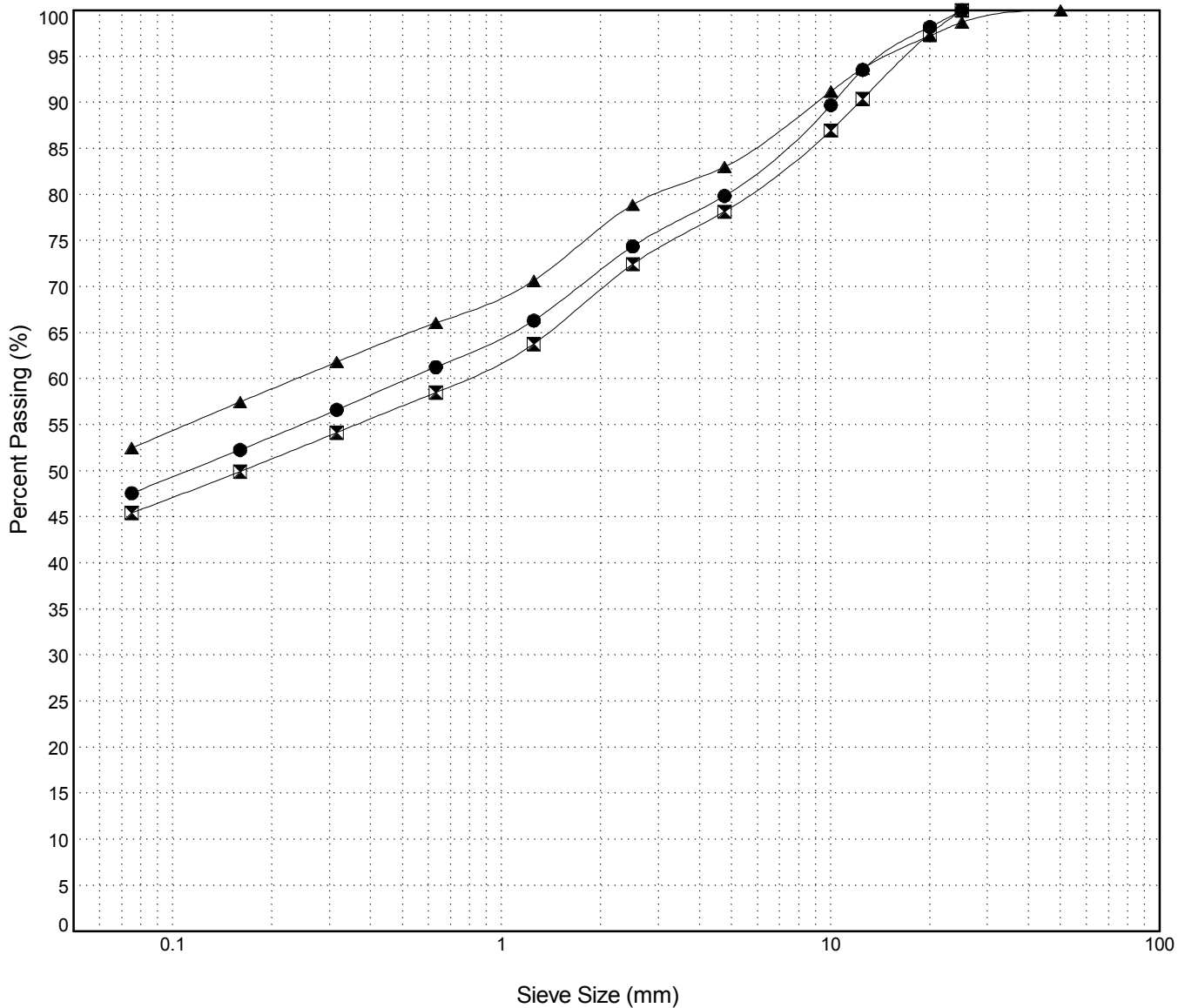
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4544
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6776038m E480550m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 307	759	0.1 to	SILTY SAND with GRAVEL(SM)	7.1	NP	NP	NP		
☒ 308	760	1.2 to	SILTY SAND with GRAVEL(SM)	8.9	NP	NP	NP		
▲ 309	761	2.6 to	SANDY SILT with GRAVEL(ML)	10.5	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
● 307	759	100.0	100.0	100.0	100.0	100.0	98.2	93.5	89.7	79.9	74.4	66.3	61.3	56.6	52.3	47.6	20.1	32.3	47.6	
☒ 308	760	100.0	100.0	100.0	100.0	97.5	90.4	87.0	78.1	72.4	63.8	58.5	54.2	49.9	45.4	21.9	32.7	45.4		
▲ 309	761	100.0	100.0	100.0	98.7	97.2	93.7	91.2	83.0	78.9	70.6	66.1	61.8	57.5	52.5	17.0	30.5	52.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



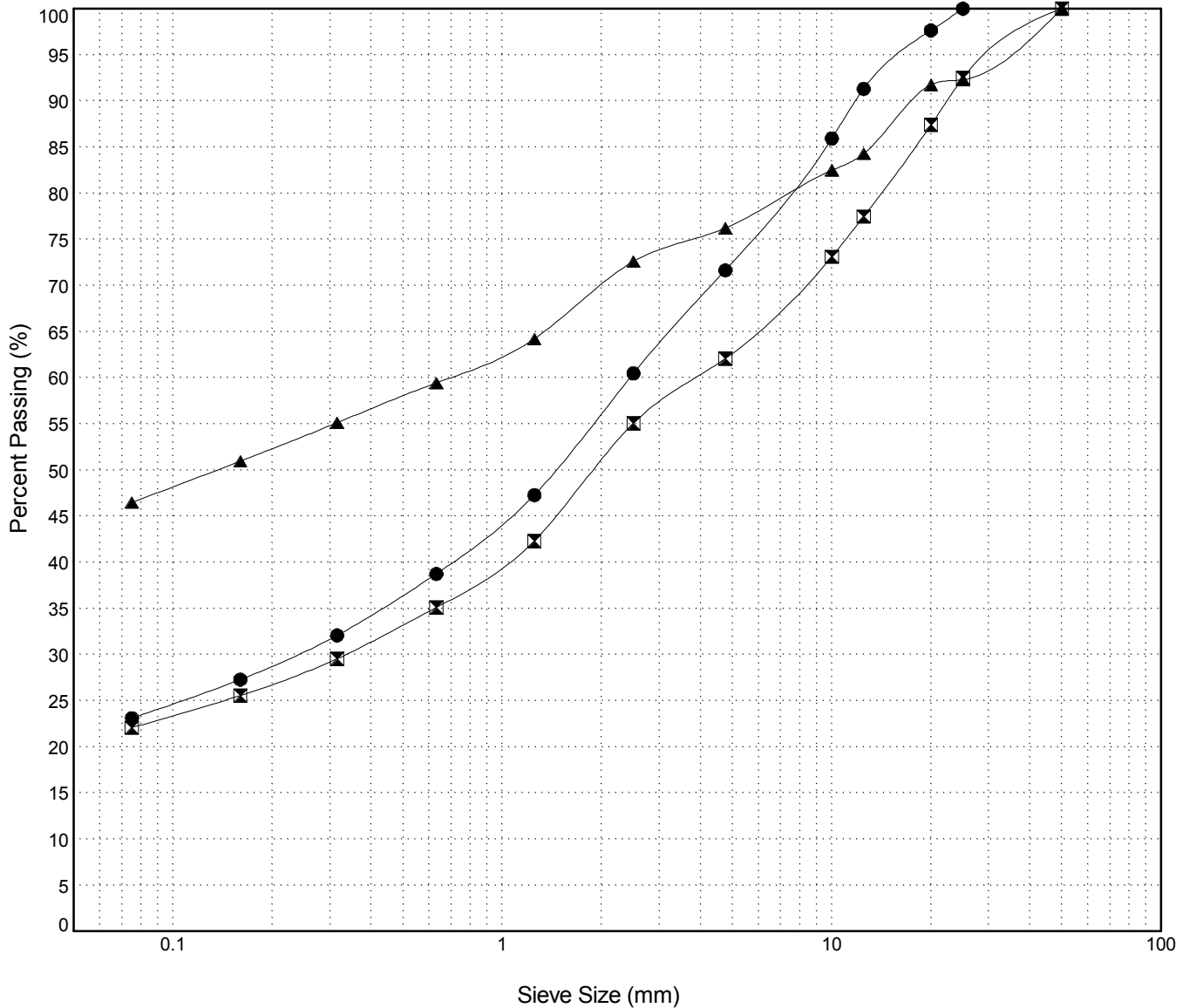
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4545
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6776226m E480507m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 311	763	0.1 to	SILTY SAND with GRAVEL(SM)	4.0	NP	NP	NP		
☒ 312	764	1.2 to	SILTY SAND with GRAVEL(SM)	4.4	NP	NP	NP		
▲ 313	765	2.6 to		10.1					

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														
● 311	763	100.0	100.0	100.0	100.0	97.6	91.3	85.9	71.6	60.5	47.3	38.8	32.1	27.3	23.1	28.4	48.5	23.1		
☒ 312	764	100.0	100.0	100.0	92.5	87.4	77.5	73.1	62.1	55.1	42.3	35.1	29.5	25.6	22.1	37.9	40.0	22.1		
▲ 313	765	100.0	100.0	100.0	92.3	91.7	84.3	82.5	76.2	72.6	64.2	59.4	55.1	51.0	46.5	23.8	29.7	46.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

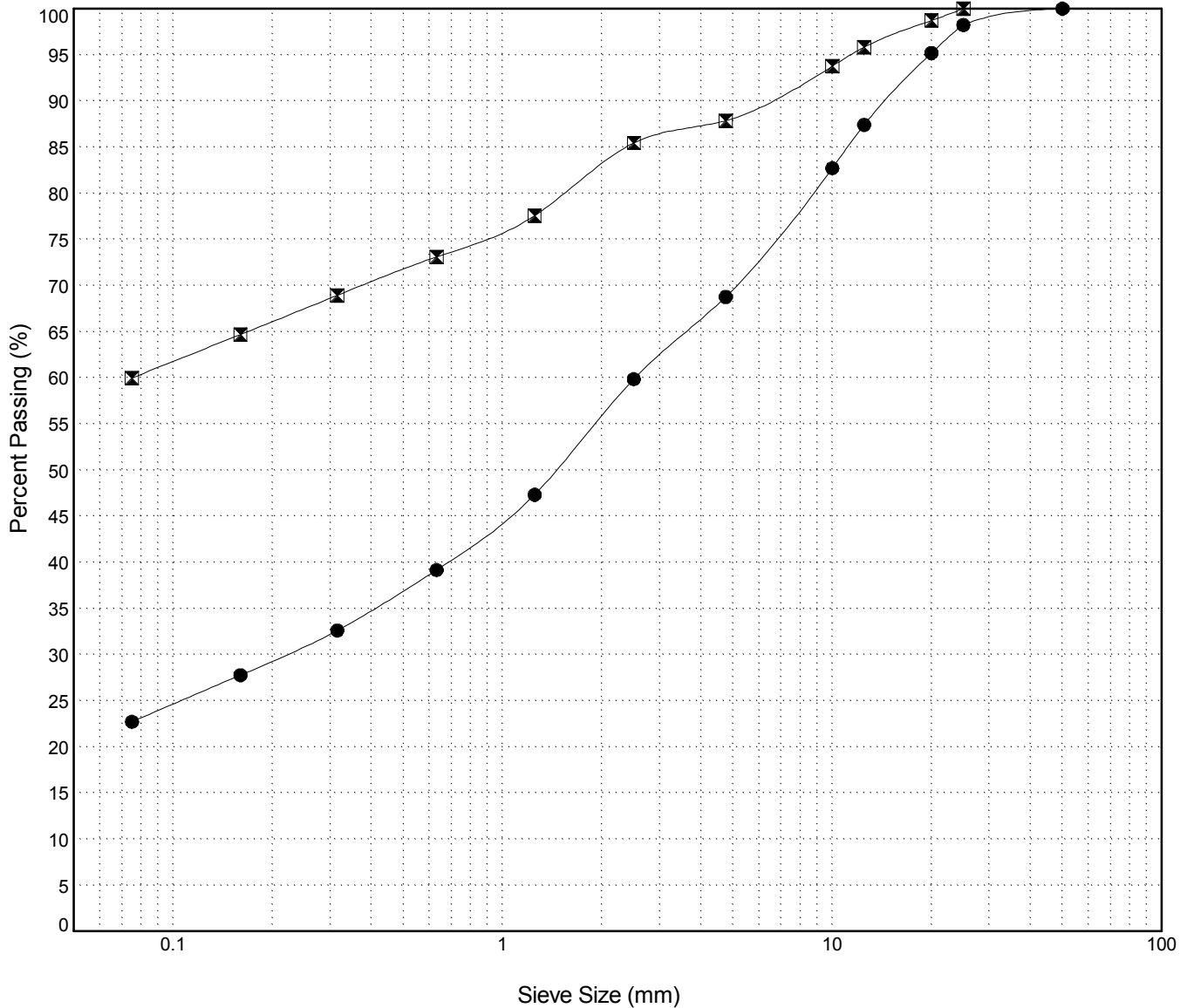


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4546
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6676426m E480463m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 316	768	0.1 to	SILTY SAND with GRAVEL(SM)	4.6	NP	NP	NP													
☒ 321	773	4.3 to	SANDY SILT(ML)	12.7	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				
● 316	768	100.0	100.0	100.0	98.2	95.2	87.4	82.7	68.8	59.9	47.3	39.2	32.6	27.8	22.7	Gravel	Sand	Silt	Clay	
☒ 321	773	100.0	100.0	100.0	100.0	98.7	95.8	93.8	87.9	85.4	77.6	73.1	68.9	64.7	60.0	12.1	27.9	60.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

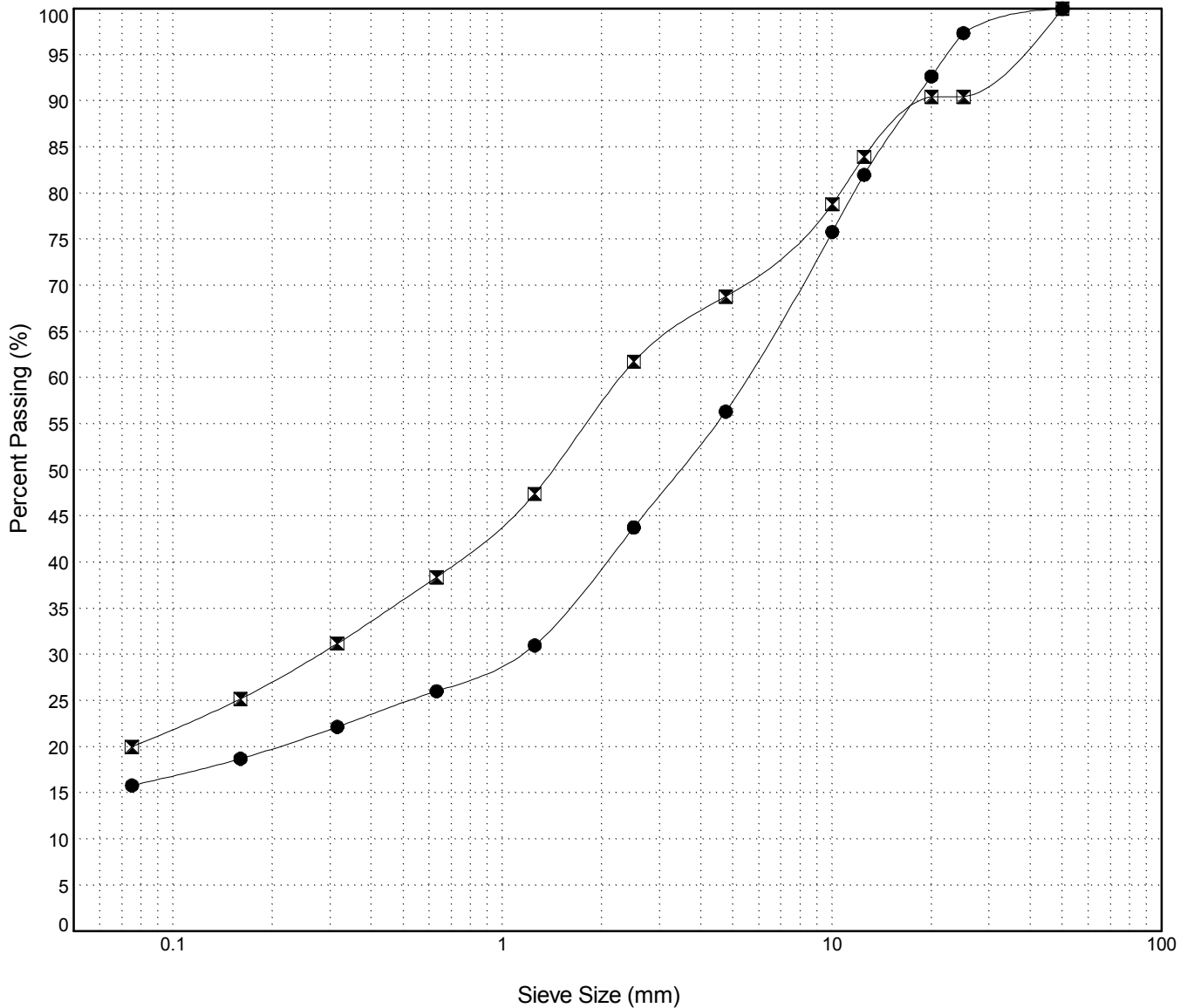


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4547
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6676626m E480419m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 324	776	2.6 to	SILTY GRAVEL with SAND(GM)	6.1	NP	NP	NP													
☒ 325	777	4.1 to	SILTY SAND with GRAVEL(SM)	7.5	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				
● 324	776	100.0	100.0	100.0	97.3	92.7	82.0	75.8	56.3	43.8	31.0	26.0	22.2	18.7	15.8	Gravel	Sand	Silt	Clay	
☒ 325	777	100.0	100.0	100.0	90.5	90.5	83.9	78.8	68.8	61.8	47.4	38.4	31.2	25.2	20.0	31.2	48.8	20.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



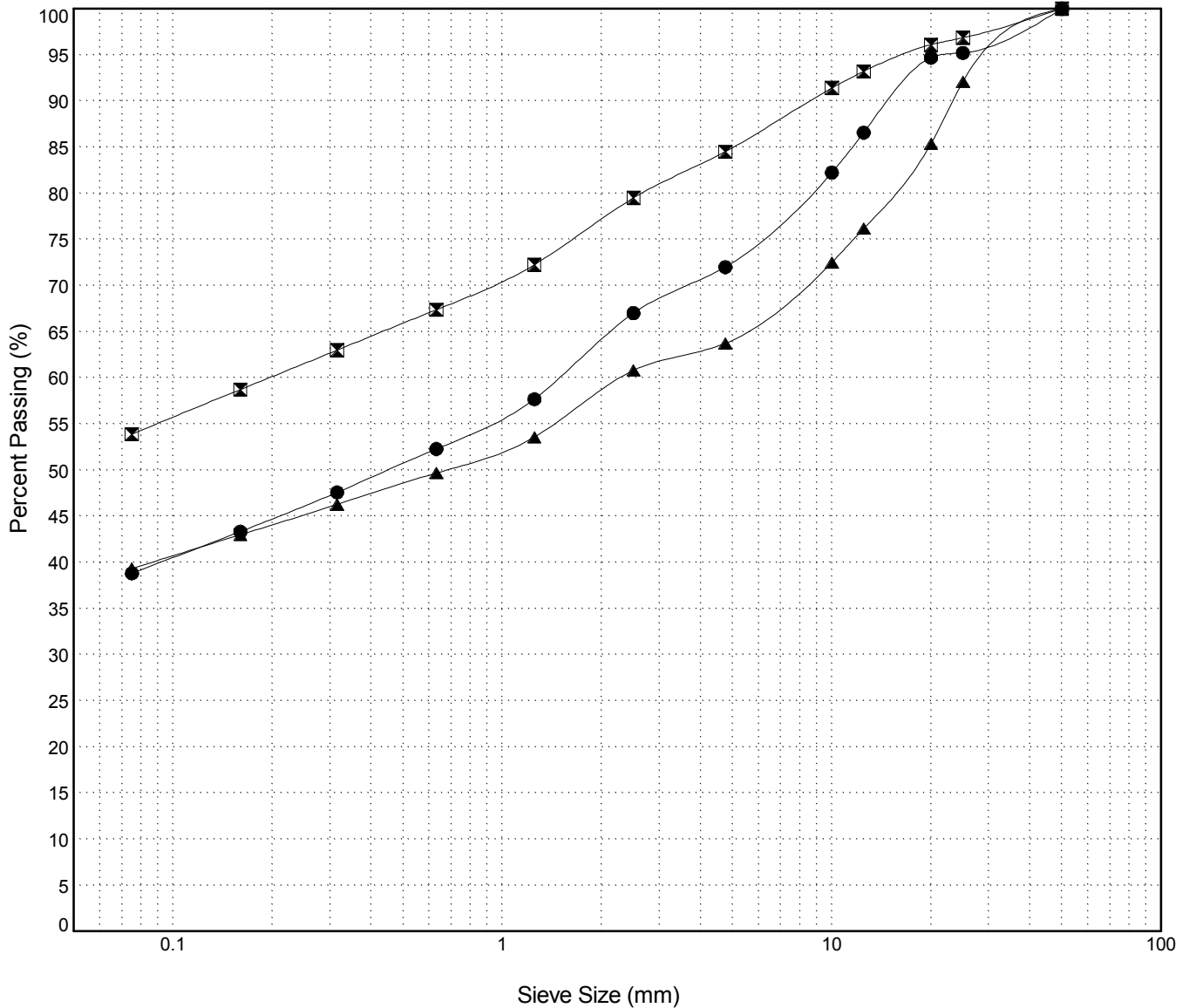
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4548
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6776821m E480396m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 327	779	1.2 to	SILTY SAND with GRAVEL(SM)	9.7	NP	NP	NP		
☒ 328	780	2.6 to	SANDY SILT with GRAVEL(ML)	9.9	NP	NP	NP		
▲ 329	781	4.1 to	SILTY GRAVEL with SAND(GM)	4.2	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
● 327	779	100.0	100.0	100.0	95.2	94.7	86.6	82.2	72.0	67.0	57.7	52.3	47.6	43.3	38.8	28.0	33.2	38.8	
☒ 328	780	100.0	100.0	100.0	96.8	96.1	93.2	91.4	84.5	79.5	72.2	67.4	63.0	58.7	53.9	15.5	30.6	53.9	
▲ 329	781	100.0	100.0	100.0	92.1	85.4	76.2	72.5	63.7	60.8	53.5	49.7	46.3	43.0	39.3	36.3	24.4	39.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



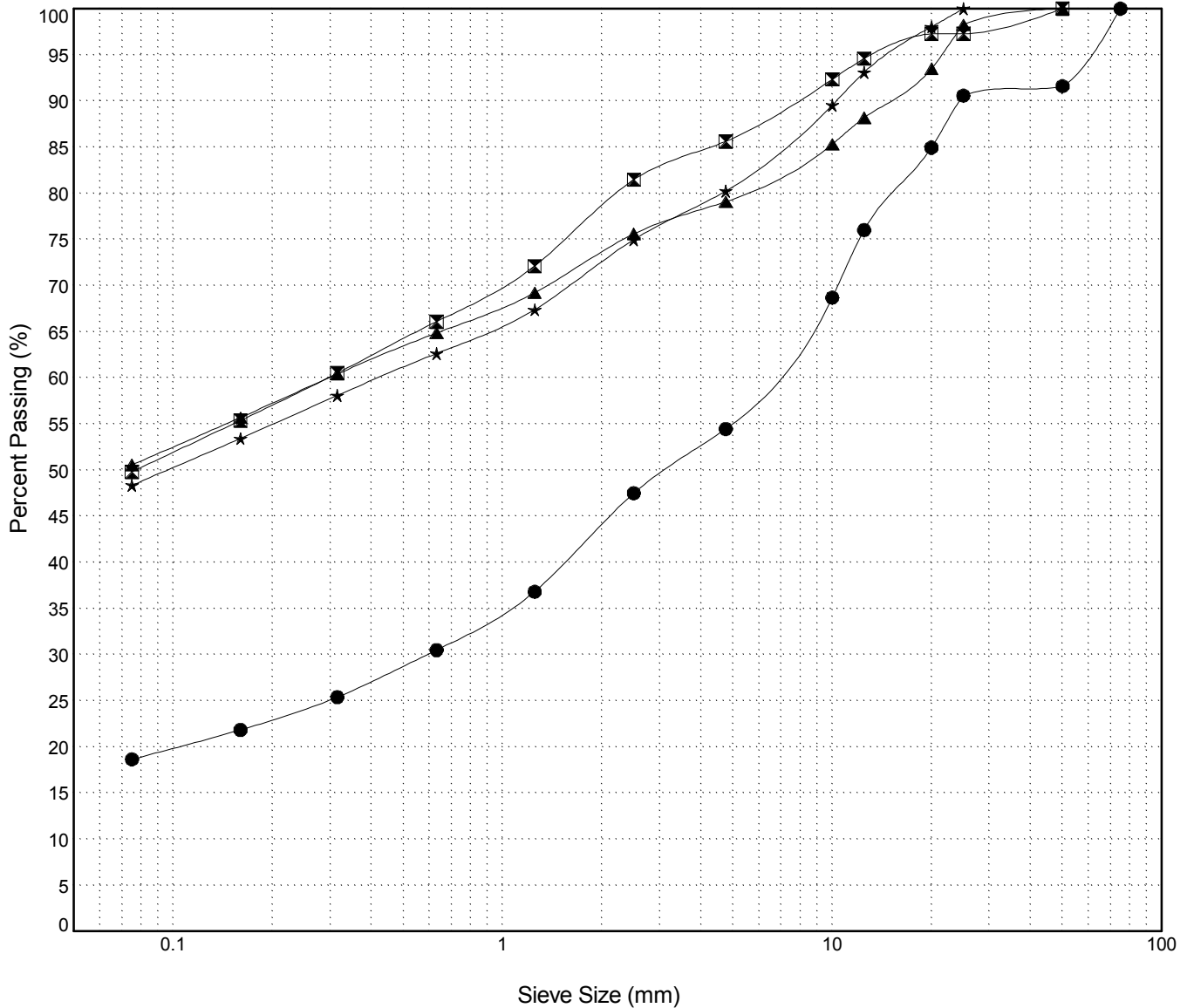
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4549
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777001m E480467m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 330	782	0.1 to	SILTY GRAVEL with SAND(GM)	3.3	NP	NP	NP		
☒ 331	783	1.2 to	SILTY SAND(SM)	10.9	NP	NP	NP		
▲ 332	784	2.6 to	SANDY SILT with GRAVEL(ML)	9.8	NP	NP	NP		
★ 333	785	4.1 to	SILTY SAND with GRAVEL(SM)	10.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 330	782	100.0	100.0	100.0	91.6	90.6	84.9	76.0	68.7	54.4	47.5	36.8	30.5	25.4	21.8	18.6	45.6	35.8	18.6
☒ 331	783	100.0	100.0	100.0	97.3	97.3	94.6	92.3	85.6	81.5	72.1	66.1	60.5	55.4	49.8	45.8	14.4	35.8	49.8
▲ 332	784	100.0	100.0	100.0	98.2	93.5	88.2	85.3	79.1	75.6	69.2	64.8	60.4	55.7	50.6	45.8	20.9	28.5	50.6
★ 333	785	100.0	100.0	100.0	100.0	98.0	93.1	89.5	80.2	75.0	67.4	62.6	58.1	53.4	48.4	45.8	19.8	31.9	48.4

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



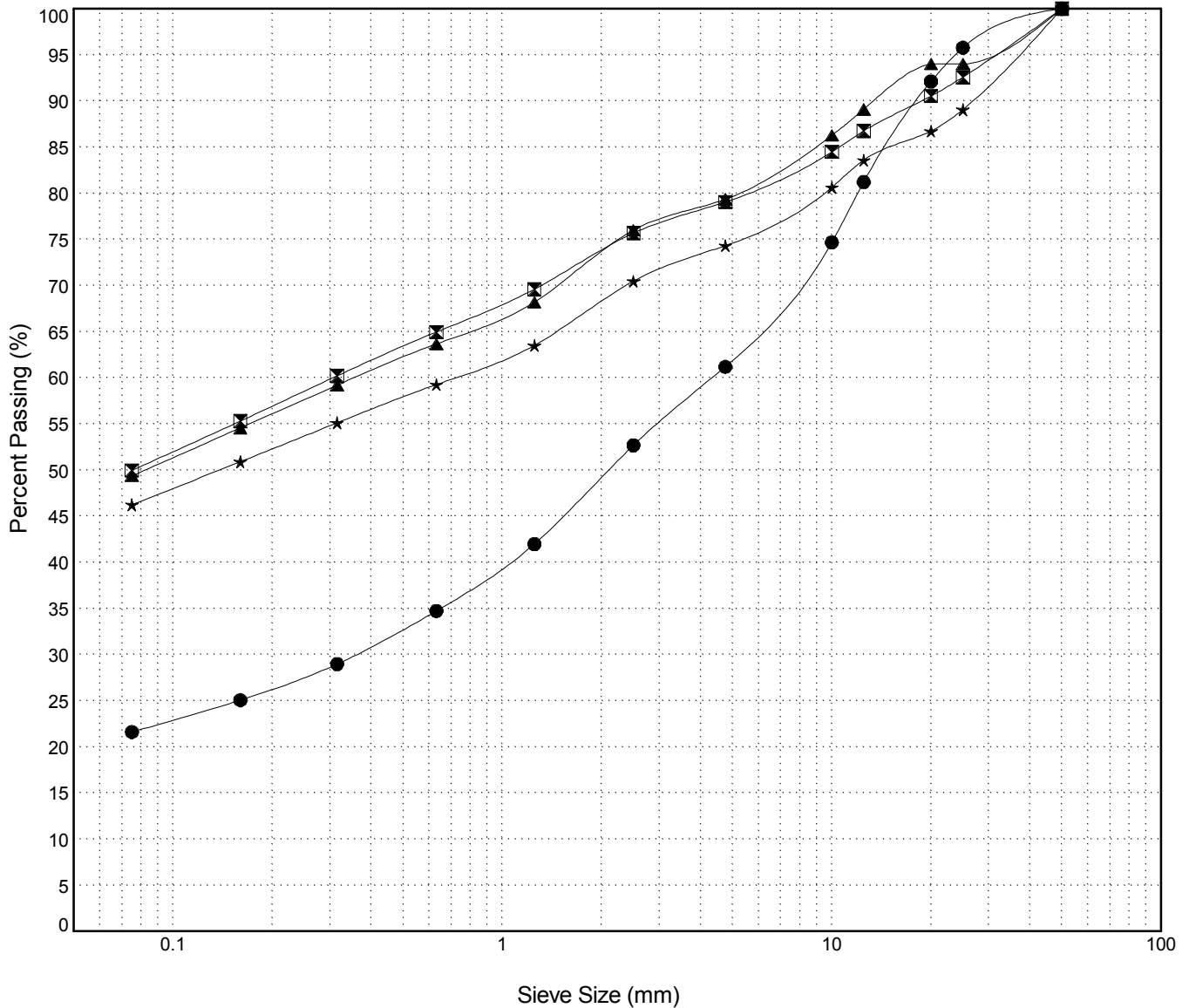
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4550
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777197m E480458m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 334	786	0.1 to	SILTY SAND with GRAVEL(SM)	3.6	NP	NP	NP		
☒ 335	787	1.2 to	SILTY SAND with GRAVEL(SM)	8.9	NP	NP	NP		
▲ 336	788	2.6 to	SILTY SAND with GRAVEL(SM)	9.5	NP	NP	NP		
★ 337	789	4.1 to	SILTY SAND with GRAVEL(SM)	8.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 334	786	100.0	100.0	100.0	95.8	92.1	81.2	74.7	61.2	52.7	42.0	34.7	29.0	25.1	21.6	38.8	39.6	21.6	
☒ 335	787	100.0	100.0	100.0	92.6	90.5	86.7	84.5	79.0	75.7	69.6	64.9	60.2	55.3	50.0	21.0	29.1	50.0	
▲ 336	788	100.0	100.0	100.0	94.0	94.0	89.1	86.3	79.3	76.0	68.2	63.7	59.2	54.6	49.4	20.7	30.0	49.4	
★ 337	789	100.0	100.0	100.0	89.0	86.7	83.6	80.6	74.3	70.5	63.5	59.2	55.1	50.9	46.2	25.7	28.1	46.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



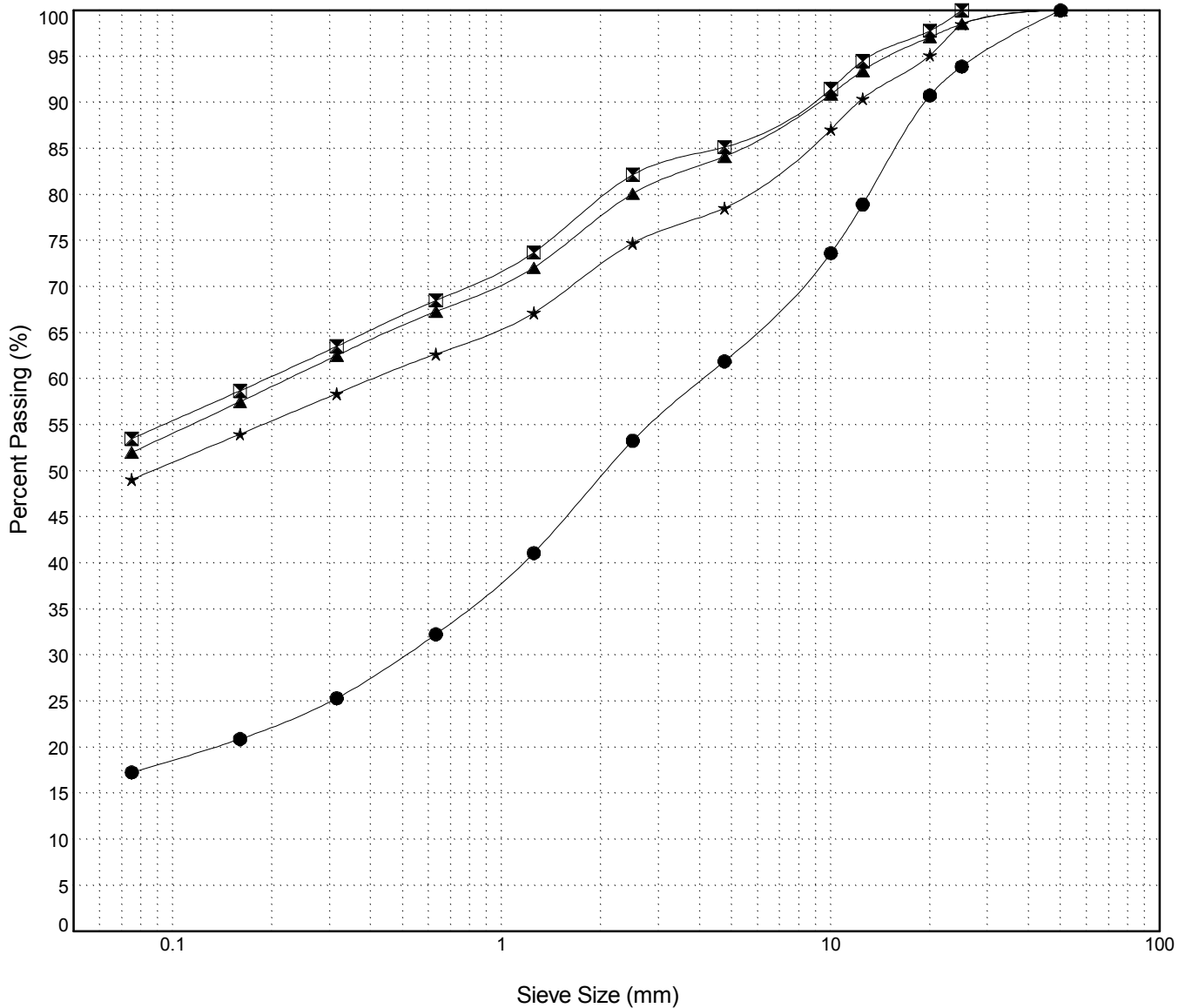
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4551
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777387m E480386m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 338	790	0.1 to	SILTY SAND with GRAVEL(SM)	3.8	NP	NP	NP		
☒ 339	791	1.2 to	SANDY SILT(ML)	9.9	NP	NP	NP		
▲ 340	792	2.6 to	SANDY SILT with GRAVEL(ML)	10.0	NP	NP	NP		
★ 341	793	4.1 to	SILTY SAND with GRAVEL(SM)	9.1	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
● 338	790	100.0	100.0	100.0	93.9	90.8	78.9	73.6	61.9	53.3	41.1	32.3	25.3	20.9	17.3	38.1	44.6	17.3	
☒ 339	791	100.0	100.0	100.0	100.0	97.8	94.5	91.5	85.2	82.1	73.7	68.5	63.5	58.7	53.5	14.8	31.6	53.5	
▲ 340	792	100.0	100.0	100.0	98.5	97.1	93.4	90.9	84.1	80.1	72.1	67.3	62.5	57.5	52.0	15.9	32.1	52.0	
★ 341	793	100.0	100.0	100.0	98.5	95.1	90.4	87.1	78.5	74.7	67.2	62.7	58.4	54.0	49.1	21.5	29.5	49.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



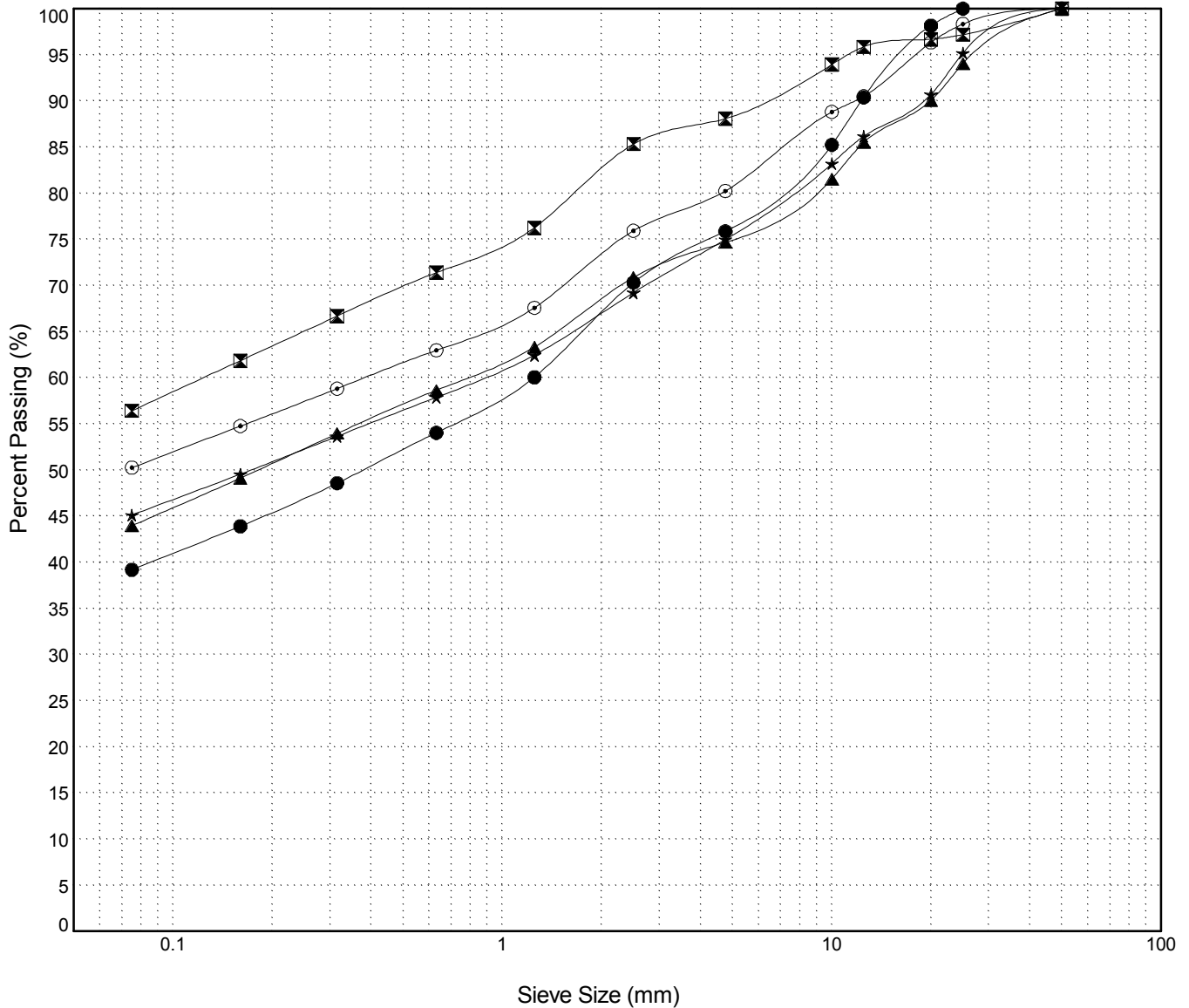
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4552
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777578m E480312m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 342	794	0.1 to	SILTY SAND with GRAVEL(SM)	5.5	NP	NP	NP		
☒ 343	795	1.1 to	SANDY SILT(ML)	16.5	NP	NP	NP		
▲ 344	796	2.4 to	SILTY SAND with GRAVEL(SM)	9.8	NP	NP	NP		
★ 345	797	3.3 to	SILTY SAND with GRAVEL(SM)	8.8	NP	NP	NP		
⊙ 346	798	4.2 to	SANDY SILT with GRAVEL(ML)	10.8	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
● 342	794	100.0	100.0	100.0	100.0	98.2	90.4	85.2	75.9	70.3	60.0	54.0	48.6	43.9	39.2	24.1	36.7	39.2	
☒ 343	795	100.0	100.0	100.0	97.2	96.7	95.9	93.9	88.1	85.3	76.2	71.4	66.7	61.8	56.4	11.9	31.7	56.4	
▲ 344	796	100.0	100.0	100.0	94.0	90.1	85.5	81.5	74.7	70.9	63.3	58.6	54.0	49.1	44.0	25.3	30.7	44.0	
★ 345	797	100.0	100.0	100.0	95.2	90.7	86.2	83.2	75.0	69.2	62.4	57.9	53.7	49.5	45.1	25.0	29.8	45.1	
⊙ 346	798	100.0	100.0	100.0	98.3	96.3	90.5	88.8	80.2	75.9	67.6	63.0	58.8	54.8	50.3	19.8	30.0	50.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



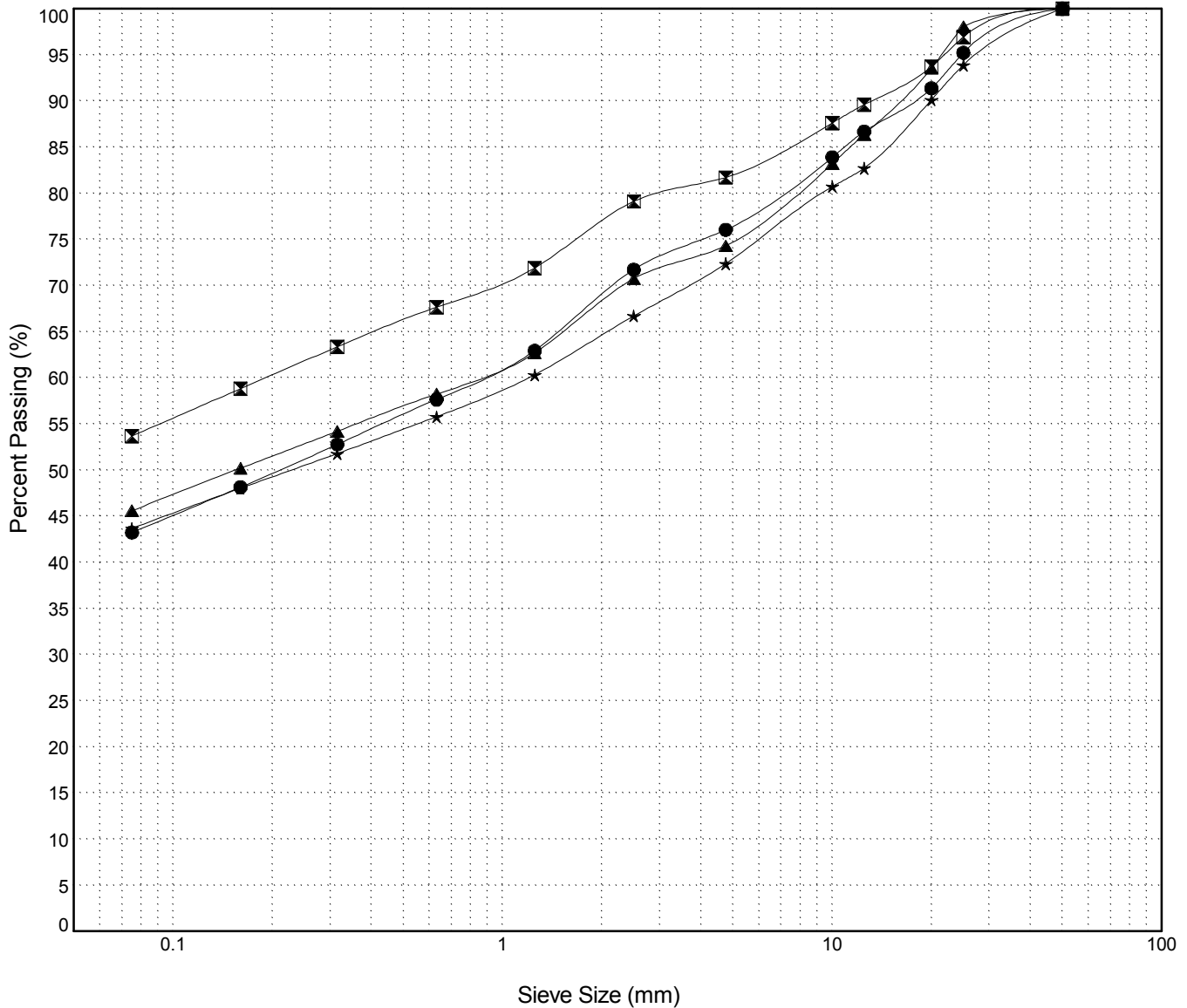
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4553
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777764m E480243m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 347	799	0.1 to	SILTY SAND with GRAVEL(SM)	6.7	NP	NP	NP		
☒ 348	800	1.2 to	SANDY SILT with GRAVEL(ML)	9.6	NP	NP	NP		
▲ 349	801	2.6 to	SILTY SAND with GRAVEL(SM)	8.9	NP	NP	NP		
★ 350	802	4.1 to	SILTY SAND with GRAVEL(SM)	7.9	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
● 347	799	100.0	100.0	100.0	100.0	95.2	91.4	86.7	83.9	76.0	71.7	62.9	57.6	52.8	48.1	43.2	24.0	32.8	43.2
☒ 348	800	100.0	100.0	100.0	96.9	93.7	89.6	87.6	81.7	79.1	71.9	67.6	63.4	58.8	53.7	18.3	28.0	53.7	
▲ 349	801	100.0	100.0	100.0	98.1	93.5	86.4	83.2	74.3	70.7	62.7	58.2	54.2	50.2	45.6	25.7	28.7	45.6	
★ 350	802	100.0	100.0	100.0	93.9	90.1	82.7	80.7	72.4	66.7	60.3	55.8	51.8	48.0	43.7	27.6	28.7	43.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



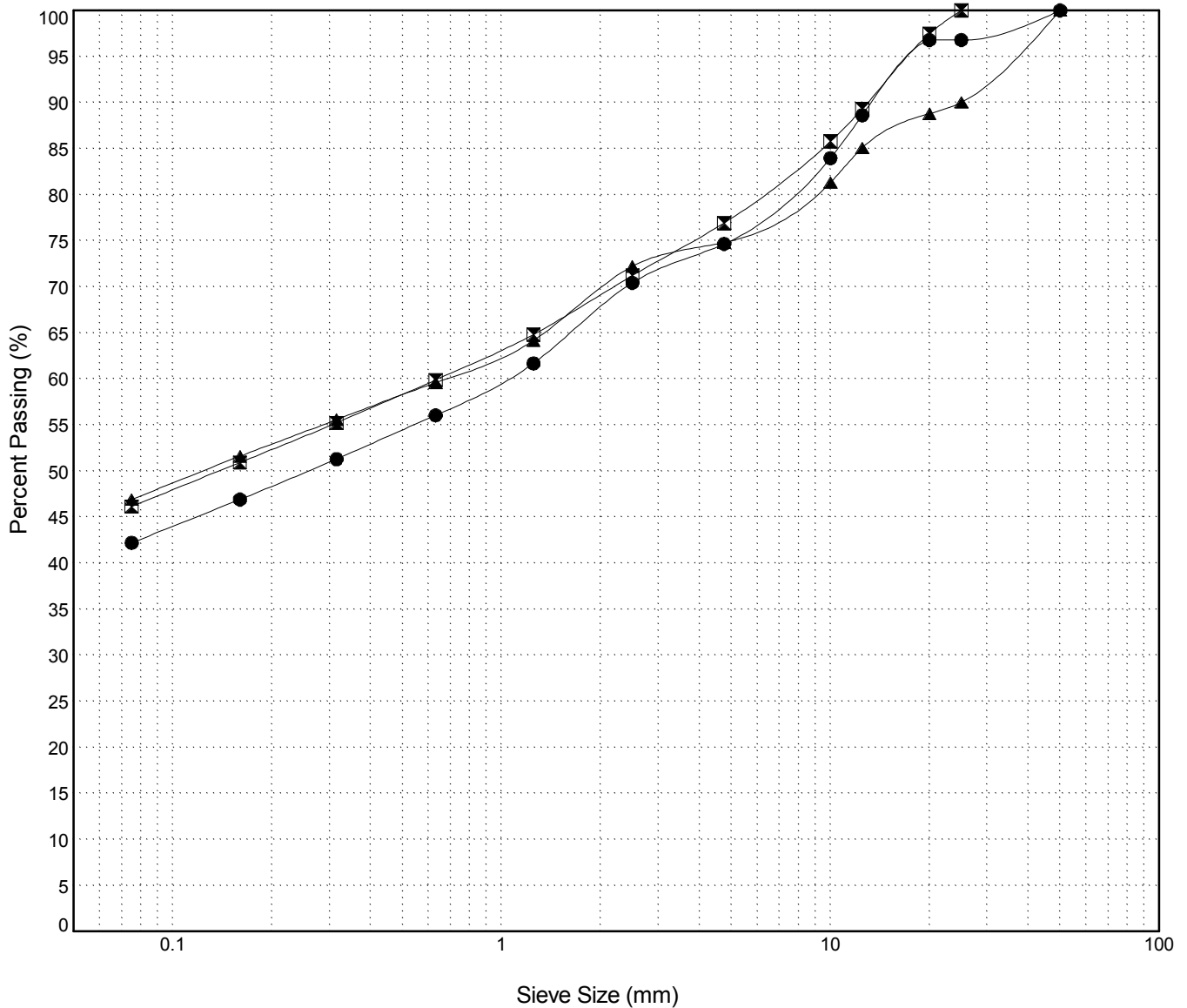
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4554
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6777946m E480172m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 351	803	0.1 to	SILTY SAND with GRAVEL(SM)	7.3	NP	NP	NP		
☒ 352	804	1.2 to	SILTY SAND with GRAVEL(SM)	8.3	NP	NP	NP		
▲ 354	806	4.1 to	SILTY SAND with GRAVEL(SM)	8.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 351	803	100.0	100.0	100.0	100.0	96.8	96.8	88.6	84.0	74.6	70.4	61.7	56.0	51.3	46.9	42.2	25.4	32.4	42.2	
☒ 352	804	100.0	100.0	100.0	100.0	97.5	89.3	85.8	76.9	71.2	64.8	59.9	55.2	50.9	46.1	23.1	30.8	46.1		
▲ 354	806	100.0	100.0	100.0	90.0	88.8	85.1	81.3	74.8	72.2	64.1	59.6	55.6	51.6	46.9	25.2	27.9	46.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



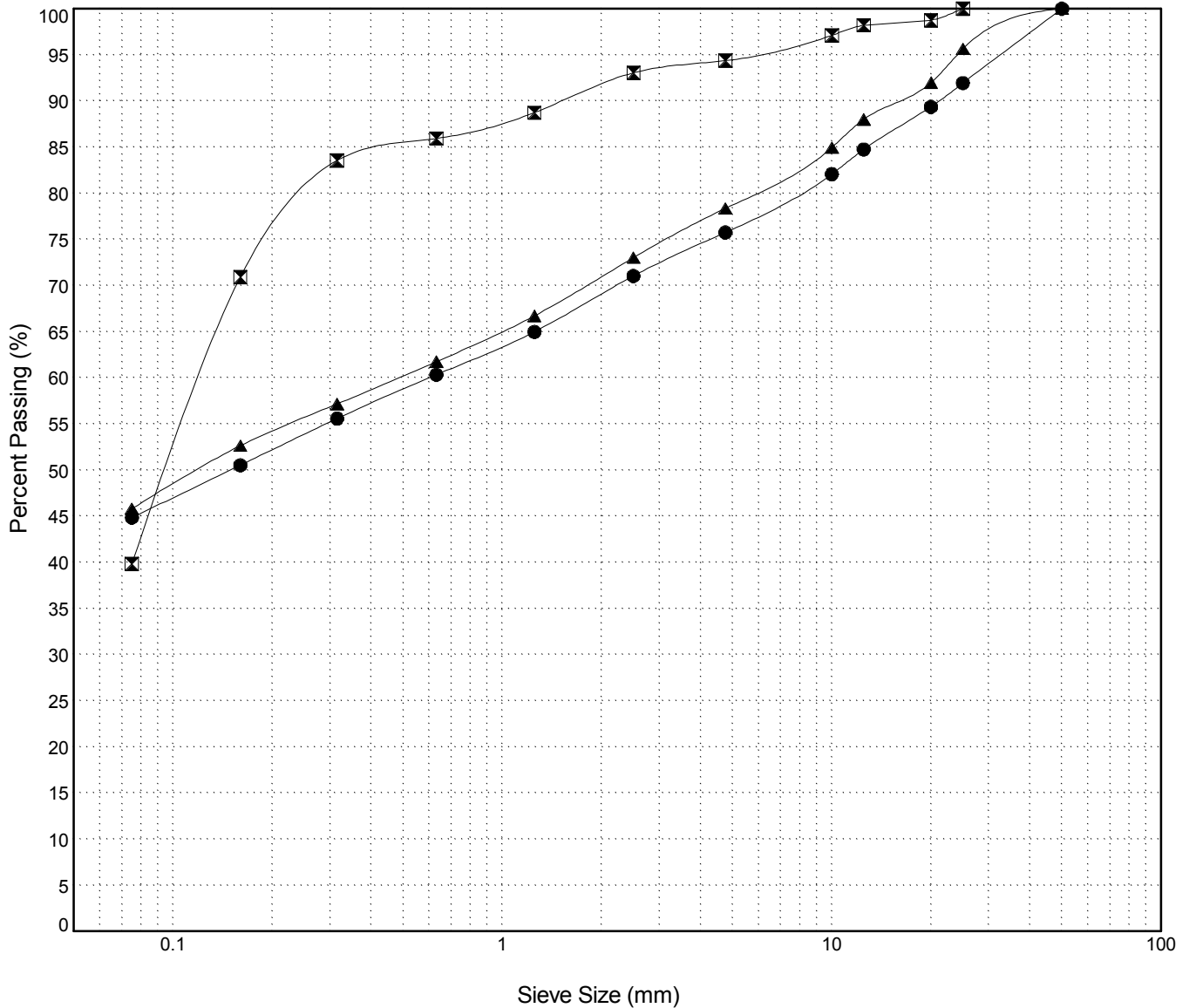
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4555
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778137m E480101m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 356	808	1.2 to	SILTY SAND with GRAVEL(SM)	8.4	NP	NP	NP		
☒ 357	809	2.3 to	SILTY SAND(SM)	9.6	NP	NP	NP		
▲ 358	810	3.4 to	SILTY SAND with GRAVEL(SM)	8.3	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			
		%PASSING														Gravel	Sand	Silt	Clay
● 356	808	100.0	100.0	100.0	91.9	89.4	84.7	82.1	75.7	71.0	65.0	60.3	55.6	50.5	44.8	24.3	30.9	44.8	
☒ 357	809	100.0	100.0	100.0	100.0	98.7	98.2	97.1	94.4	93.0	88.7	85.9	83.6	70.9	39.8	5.6	54.5	39.8	
▲ 358	810	100.0	100.0	100.0	95.6	92.0	88.0	84.9	78.3	73.0	66.7	61.7	57.2	52.6	45.8	21.7	32.5	45.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



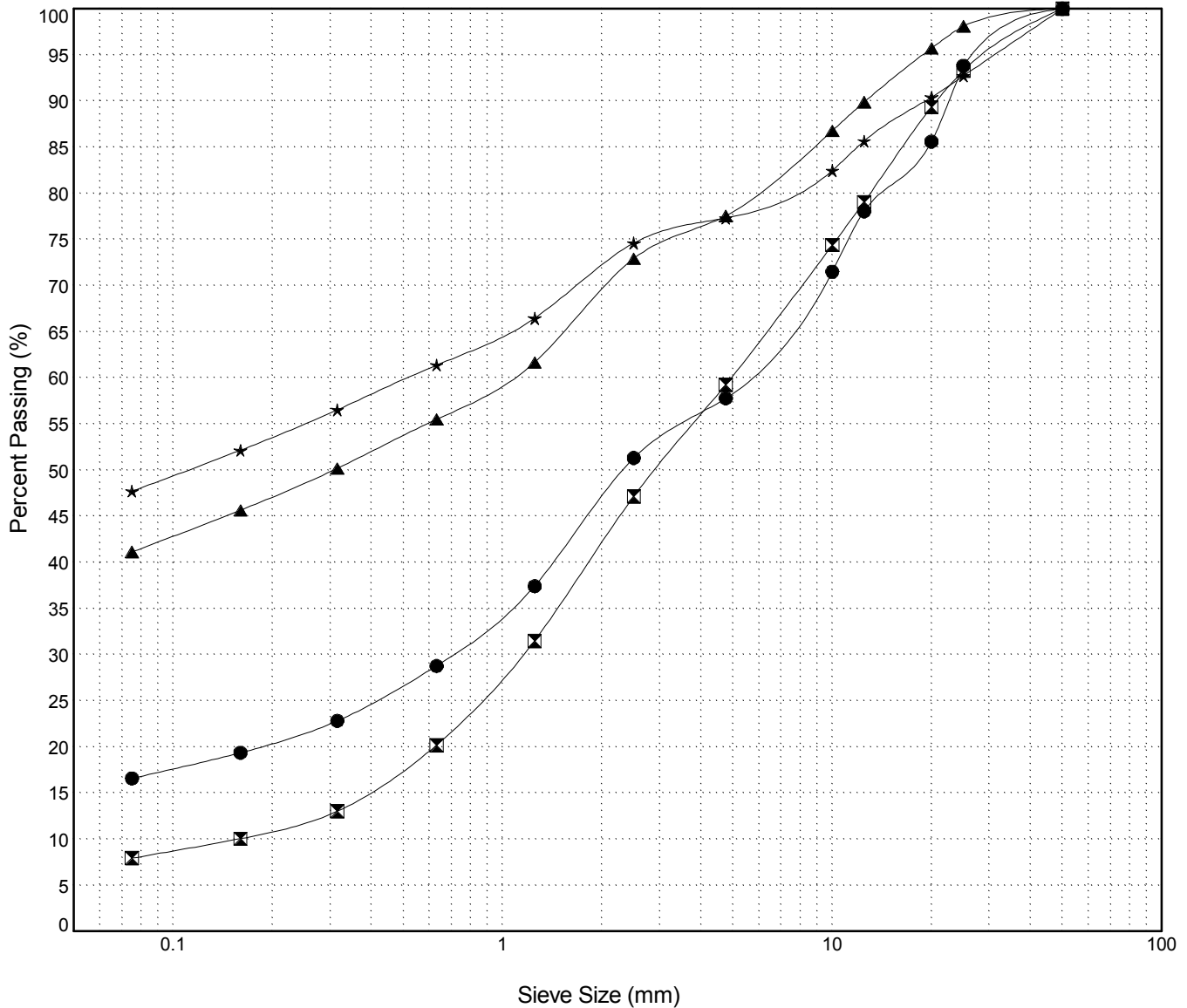
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4556
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778325m E480026m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 360	812	0.1 to	SILTY GRAVEL with SAND(GM)	4.0	NP	NP	NP		
☒ 361	813	1.2 to	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	3.4	NP	NP	NP	1.7	31.3
▲ 362	814	2.6 to	SILTY SAND with GRAVEL(SM)	7.9	NP	NP	NP		
★ 363	815	4.1 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 360	812	100.0	100.0	100.0	93.8	85.6	78.0	71.5	57.8	51.3	37.4	28.8	22.8	19.4	16.6	42.2	41.2	16.6	
☒ 361	813	100.0	100.0	100.0	93.3	89.3	79.0	74.4	59.2	47.2	31.5	20.2	13.0	10.0	7.9	40.8	51.3	7.9	
▲ 362	814	100.0	100.0	100.0	98.1	95.7	89.9	86.8	77.5	72.9	61.7	55.5	50.2	45.6	41.1	22.5	36.4	41.1	
★ 363	815	100.0	100.0	100.0	92.7	90.4	85.6	82.5	77.3	74.6	66.4	61.4	56.5	52.1	47.7	22.7	29.6	47.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



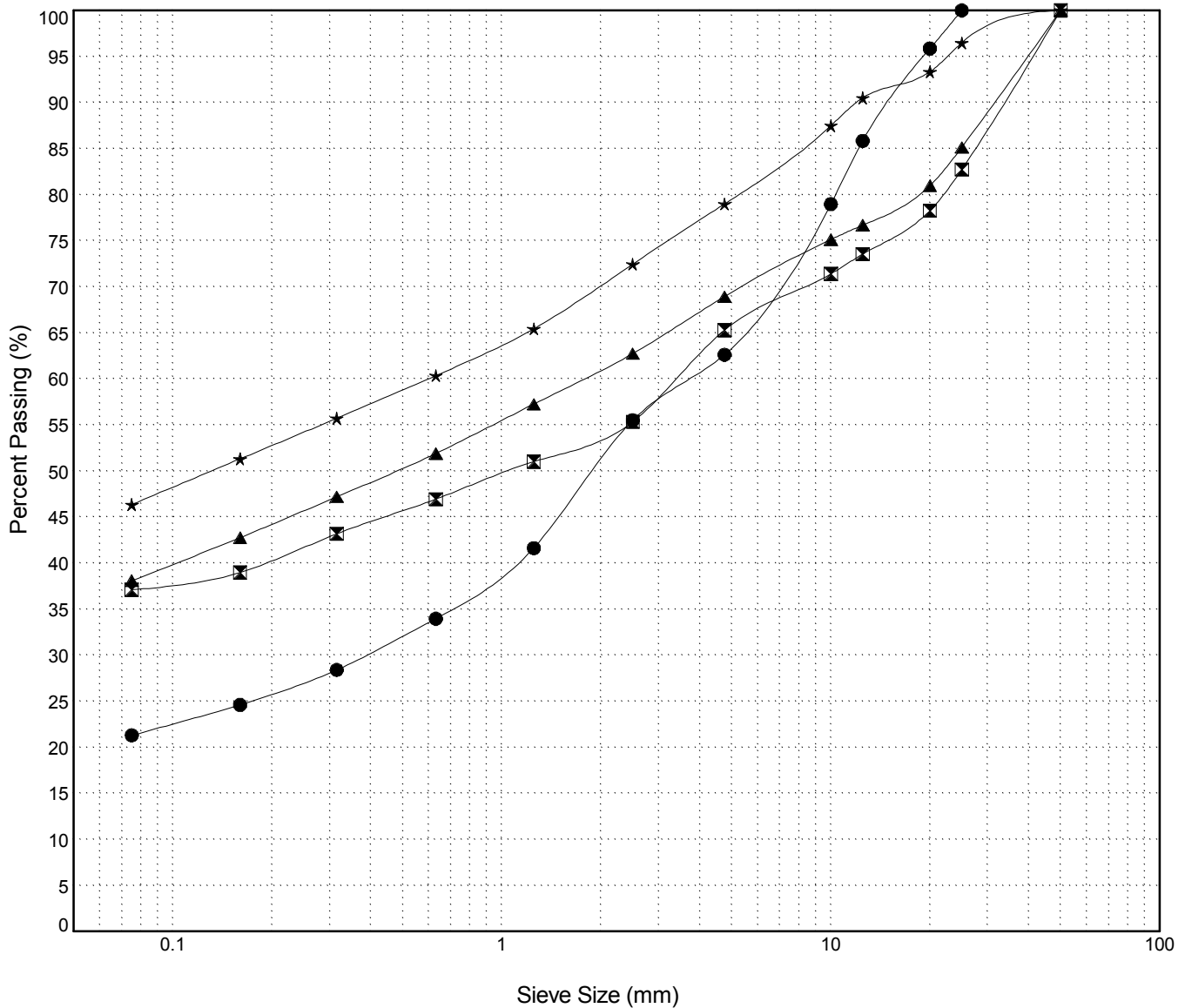
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4557
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778496m E479922m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 364	816	0.1 to	SILTY SAND with GRAVEL(SM)	4.9	NP	NP	NP		
☒ 365	817	1.2 to	SILTY GRAVEL with SAND(GM)	8.0	NP	NP	NP		
▲ 366	818	2.6 to	SILTY GRAVEL with SAND(GM)	7.4	NP	NP	NP		
★ 367	819	4.1 to	SILTY SAND with GRAVEL(SM)	8.4	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
● 364	816	100.0	100.0	100.0	100.0	95.9	85.8	79.0	62.6	55.5	41.6	34.0	28.4	24.6	21.3	37.4	41.3	21.3
☒ 365	817	100.0	100.0	100.0	82.7	78.2	73.5	71.4	65.3	55.3	51.0	46.9	43.2	39.0	37.1	34.7	28.2	37.1
▲ 366	818	100.0	100.0	100.0	85.1	81.0	76.7	75.1	68.9	62.7	57.2	51.9	47.2	42.8	38.1	31.1	30.8	38.1
★ 367	819	100.0	100.0	100.0	96.5	93.3	90.5	87.5	79.0	72.4	65.4	60.4	55.7	51.3	46.4	21.0	32.6	46.4

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



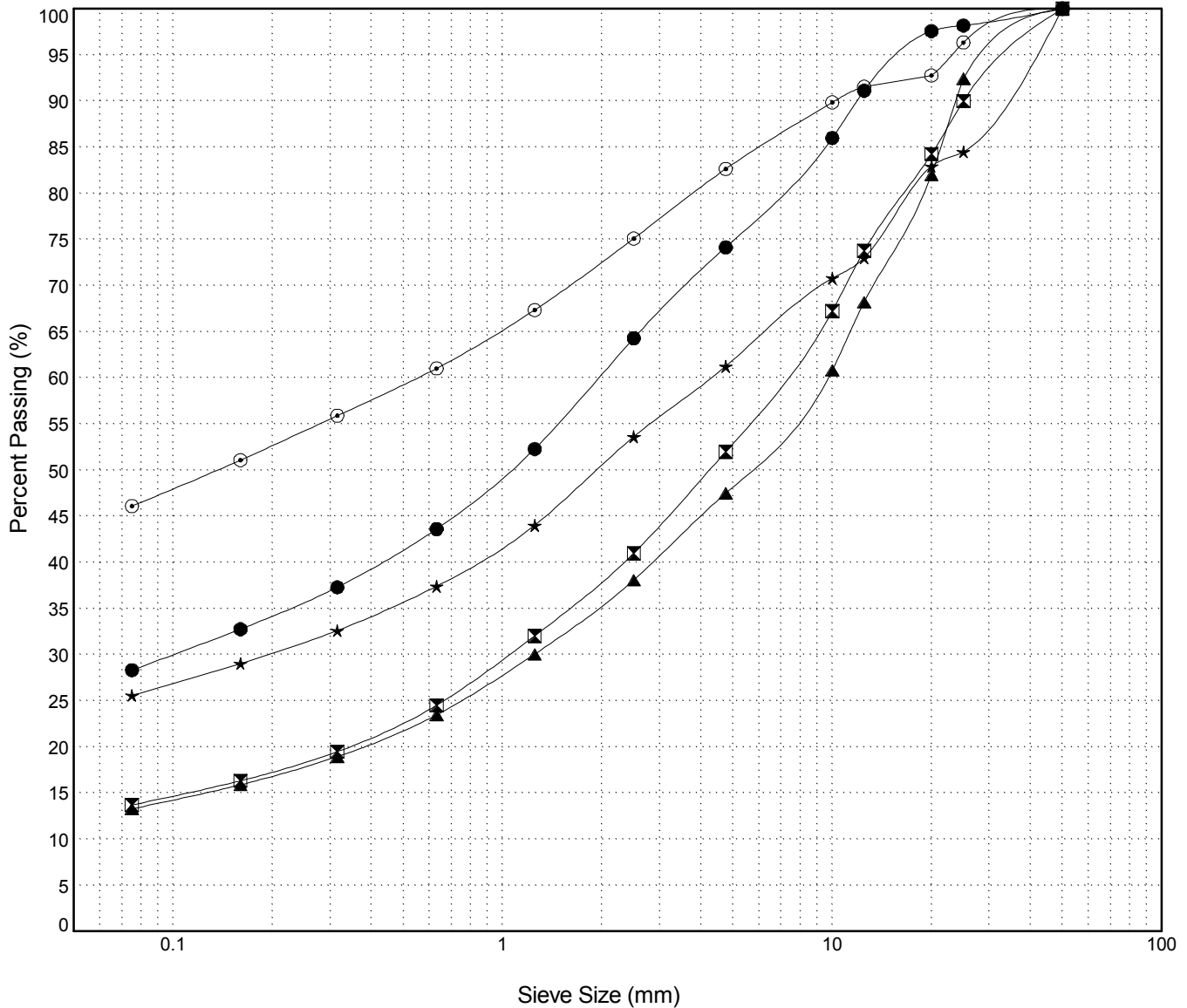
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4558
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778624m E479767m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 368	820	0.1 to	SILTY SAND with GRAVEL(SM)	5.1	NP	NP	NP		
☒ 369	821	1.2 to	SILTY GRAVEL with SAND(GM)	3.9	NP	NP	NP		
▲ 370	822	2.6 to	SILTY GRAVEL with SAND(GM)	3.7	NP	NP	NP		
★ 371	823	3.5 to	SILTY GRAVEL with SAND(GM)	9.9	NP	NP	NP		
⊙ 372	824	4.2 to	SILTY SAND with GRAVEL(SM)	11.0	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
● 368	820	100.0	100.0	100.0	100.0	98.2	97.6	91.1	86.0	74.1	64.3	52.3	43.6	37.3	32.7	28.3	25.9	45.8	28.3	
☒ 369	821	100.0	100.0	100.0	90.0	84.2	73.8	67.2	52.0	41.0	32.0	24.5	19.5	16.3	13.7	48.0	38.3	13.7		
▲ 370	822	100.0	100.0	100.0	92.4	82.0	68.2	60.8	47.5	38.1	30.0	23.5	18.9	15.9	13.3	52.5	34.2	13.3		
★ 371	823	100.0	100.0	100.0	84.5	82.9	73.0	70.8	61.2	53.6	44.0	37.4	32.6	29.0	25.6	38.8	35.7	25.6		
⊙ 372	824	100.0	100.0	100.0	96.3	92.7	91.5	89.8	82.6	75.1	67.3	61.0	55.9	51.1	46.1	17.4	36.5	46.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



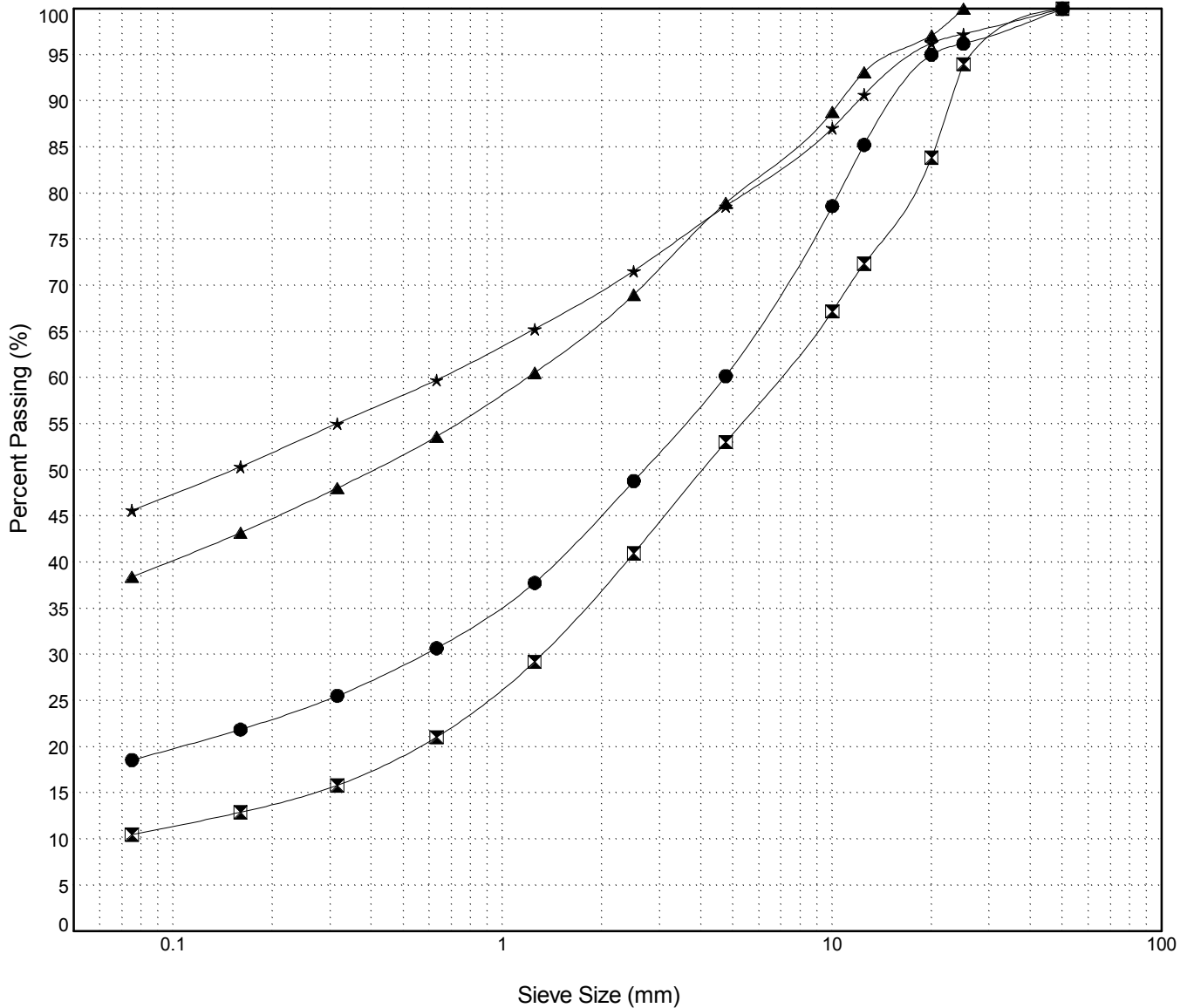
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4559
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778770m E479636m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 373	825	0.1 to	SILTY SAND with GRAVEL(SM)	3.6	NP	NP	NP		
☒ 374	826	1.2 to	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	10.8	NP	NP	NP	3.9	107.1
▲ 375	827	2.6 to	SILTY SAND with GRAVEL(SM)	12.9	NP	NP	NP		
★ 376	828	4.1 to	SILTY SAND with GRAVEL(SM)	17.6	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 373	825	100.0	100.0	100.0	96.2	95.0	85.2	78.6	60.2	48.8	37.8	30.7	25.5	21.9	18.6	39.8	41.6	18.6	
☒ 374	826	100.0	100.0	100.0	94.0	83.8	72.3	67.2	53.0	41.0	29.2	21.1	15.8	12.9	10.5	47.0	42.5	10.5	
▲ 375	827	100.0	100.0	100.0	100.0	97.1	93.1	88.8	78.9	69.0	60.5	53.6	48.0	43.2	38.4	21.1	40.5	38.4	
★ 376	828	100.0	100.0	100.0	97.3	96.3	90.7	87.1	78.6	71.6	65.3	59.7	55.0	50.4	45.6	21.4	32.9	45.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



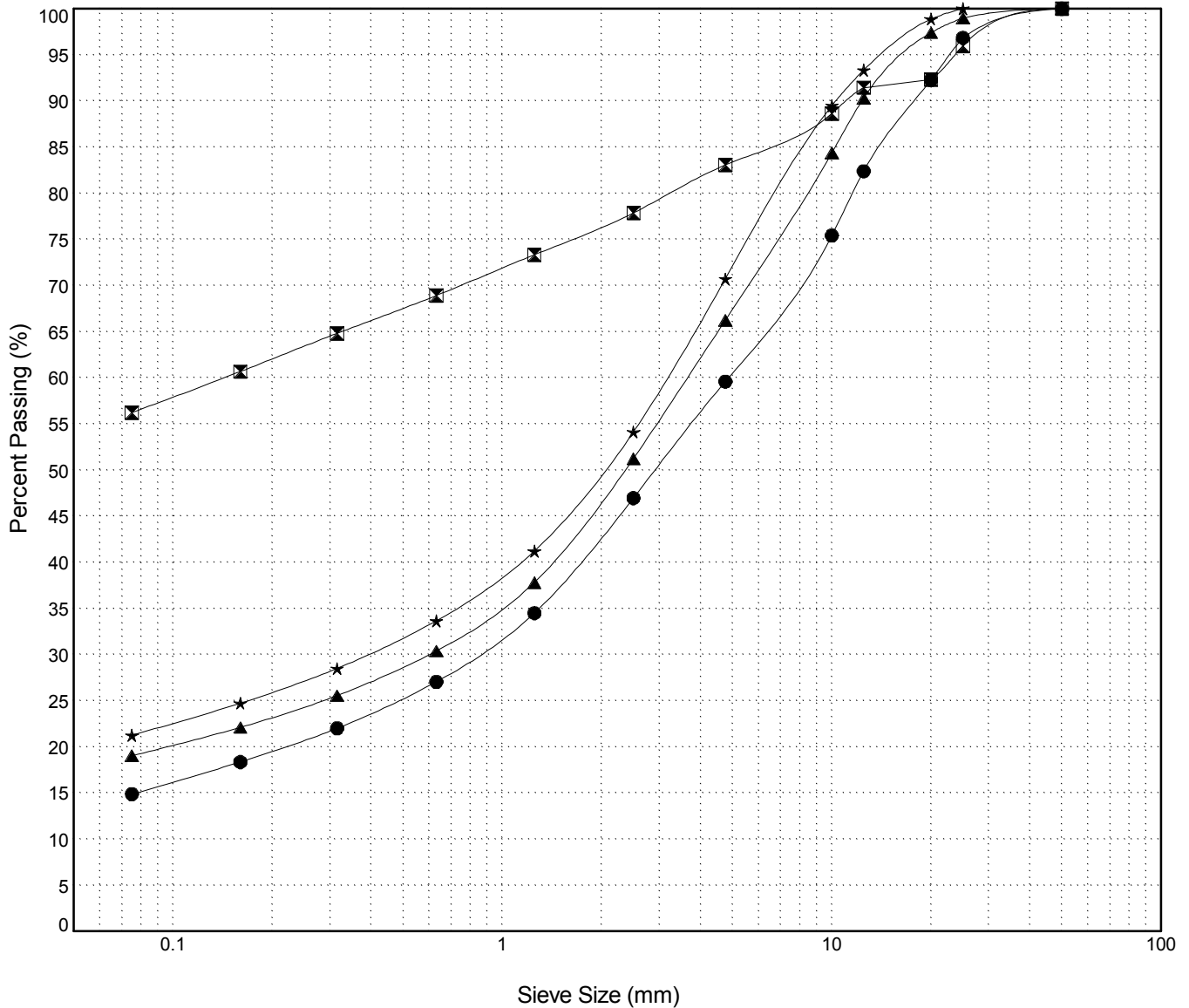
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4560
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6778958m E479564m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 377	829	0.1 to	SILTY SAND with GRAVEL(SM)	4.9	NP	NP	NP		
☒ 378	830	1.2 to	SANDY SILT with GRAVEL(ML)	11.0	NP	NP	NP		
▲ 379	831	2.6 to	SILTY SAND with GRAVEL(SM)	7.7	NP	NP	NP		
★ 380	832	4.1 to	SILTY SAND with GRAVEL(SM)	10.5	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
● 377	829	100.0	100.0	100.0	100.0	96.8	92.3	82.4	75.4	59.6	47.0	34.5	27.0	22.0	18.4	14.9	40.4	44.7	14.9
☒ 378	830	100.0	100.0	100.0	96.0	92.3	91.4	88.6	83.1	77.9	73.3	68.9	64.8	60.7	56.2		16.9	26.8	56.2
▲ 379	831	100.0	100.0	100.0	99.0	97.4	90.3	84.4	66.2	51.2	37.8	30.4	25.6	22.1	19.0		33.8	47.2	19.0
★ 380	832	100.0	100.0	100.0	100.0	98.9	93.3	89.5	70.7	54.1	41.2	33.6	28.5	24.7	21.3		29.3	49.5	21.3

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



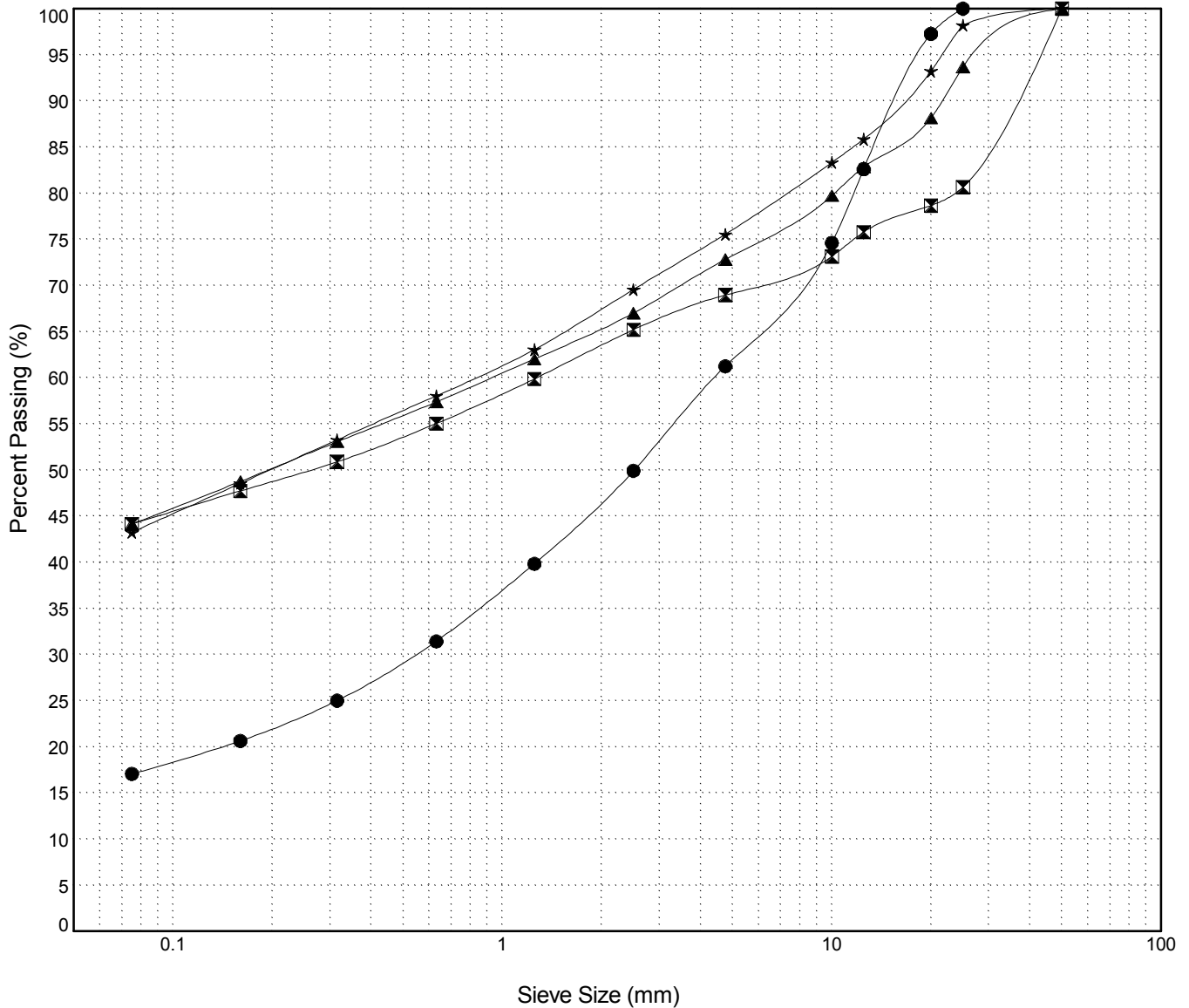
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4561
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6779151m E479498m	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 381	833	0.1 to	SILTY SAND with GRAVEL(SM)	4.4	NP	NP	NP		
☒ 382	834	1.2 to	SILTY GRAVEL with SAND(GM)	10.0	NP	NP	NP		
▲ 383	835	2.5 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP		
★ 384	836	4.1 to	SILTY SAND with GRAVEL(SM)	8.4	NP	NP	NP		

Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	%Breakdown			
																Gravel	Sand	Silt	Clay
● 381	833	100.0	100.0	100.0	100.0	97.3	82.6	74.6	61.2	49.9	39.8	31.4	25.0	20.6	17.1	38.8	44.2	17.1	
☒ 382	834	100.0	100.0	100.0	80.6	78.7	75.8	73.2	69.0	65.2	59.9	55.0	50.9	47.7	44.1	31.0	24.8	44.1	
▲ 383	835	100.0	100.0	100.0	93.7	88.1	82.8	79.7	72.8	67.0	62.0	57.4	53.1	48.8	44.2	27.2	28.7	44.2	
★ 384	836	100.0	100.0	100.0	98.2	93.2	85.9	83.3	75.5	69.6	63.0	58.0	53.3	48.5	43.3	24.5	32.3	43.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



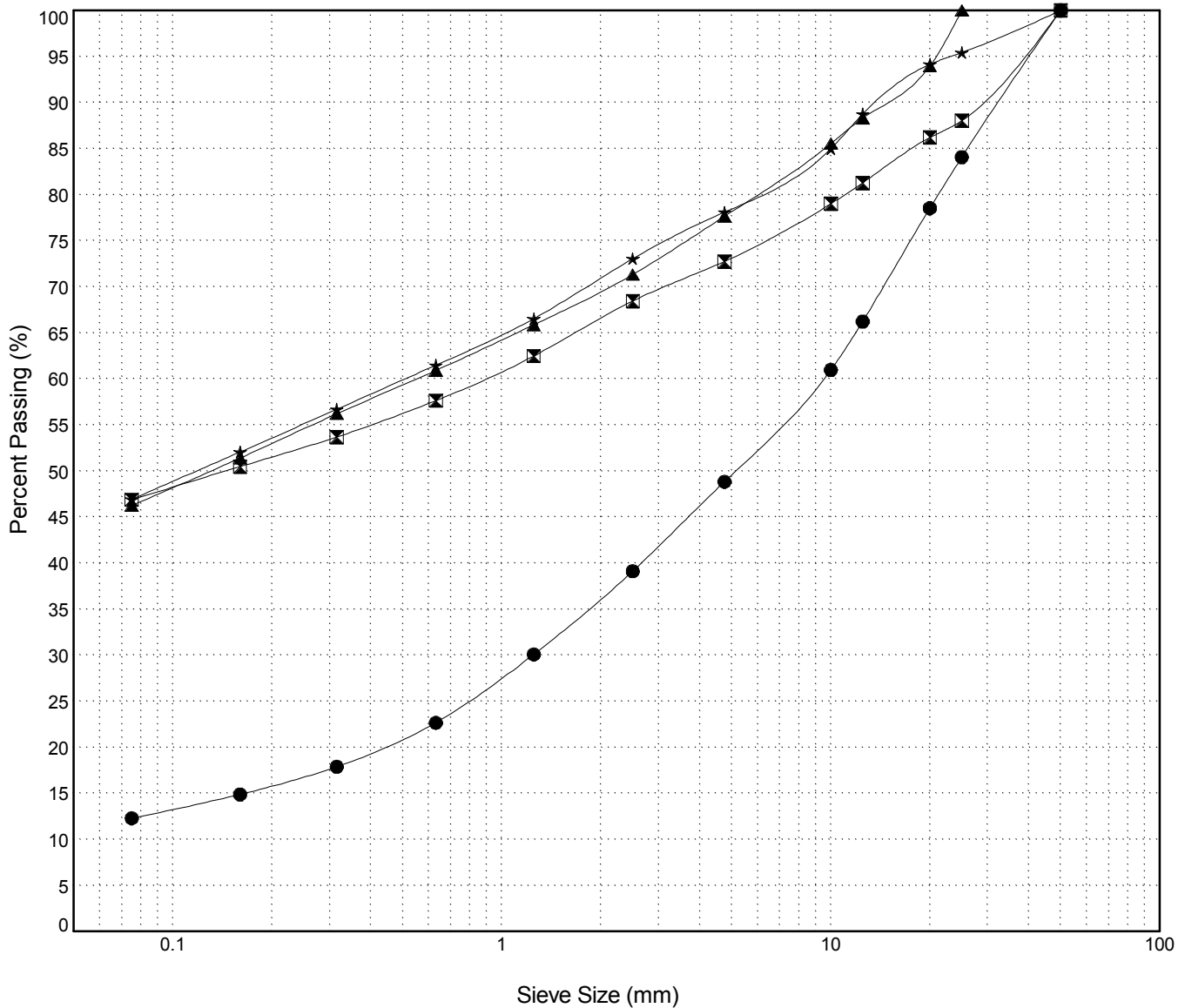
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4562
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6779339m E479432m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 385	837	0.1 to	SILTY GRAVEL with SAND(GM)	3.3	NP	NP	NP	4.3	245.6
☒ 386	838	1.2 to	SILTY GRAVEL with SAND(GM)	8.6	NP	NP	NP		
▲ 387	839	2.6 to	SILTY SAND with GRAVEL(SM)	8.5	NP	NP	NP		
★ 388	840	4.1 to	SILTY SAND with GRAVEL(SM)	7.5	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
● 385	837	100.0	100.0	100.0	100.0	84.1	78.5	66.2	61.0	48.8	39.1	30.1	22.7	17.9	14.9	12.3	51.2	36.5	12.3	
☒ 386	838	100.0	100.0	100.0	88.0	86.2	81.3	79.0	72.7	68.4	62.5	57.6	53.7	50.5	46.9	27.3	25.9	46.9		
▲ 387	839	100.0	100.0	100.0	100.0	94.0	88.3	85.5	77.6	71.3	65.8	60.9	56.2	51.4	46.2	22.4	31.4	46.2		
★ 388	840	100.0	100.0	100.0	95.4	94.1	88.7	85.0	78.1	73.0	66.5	61.5	56.7	52.1	46.9	21.9	31.2	46.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



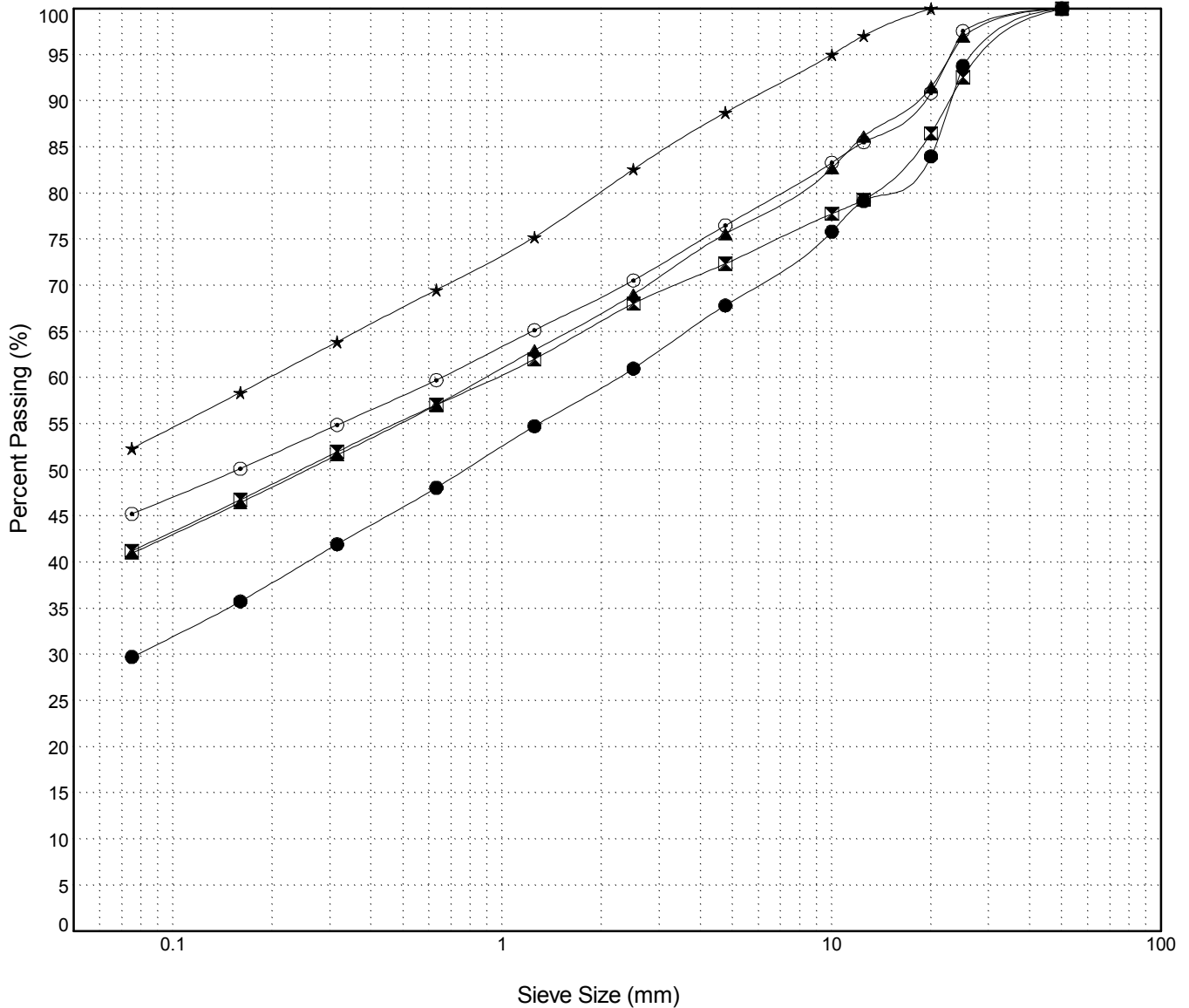
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4563
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6779529m E479394m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 389	841	0.1 to	SILTY SAND with GRAVEL(SM)	4.2	NP	NP	NP		
☒ 390	842	0.7 to	SILTY SAND with GRAVEL(SM)	9.2	NP	NP	NP		
▲ 391	843	1.3 to	SILTY SAND with GRAVEL(SM)	18.5	NP	NP	NP		
★ 392	844	2.6 to	SANDY SILT(ML)	12.0	NP	NP	NP		
⊙ 393	845	4.1 to	SILTY SAND with GRAVEL(SM)	9.9	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
● 389	841	100.0	100.0	100.0	93.8	84.0	79.2	75.8	67.8	61.0	54.7	48.1	42.0	35.8	29.8	32.2	38.1	29.8	
☒ 390	842	100.0	100.0	100.0	92.6	86.5	79.3	77.8	72.3	68.0	62.0	57.1	52.0	46.8	41.2	27.7	31.1	41.2	
▲ 391	843	100.0	100.0	100.0	97.0	91.5	86.1	82.7	75.6	69.0	63.0	57.0	51.6	46.5	41.0	24.4	34.6	41.0	
★ 392	844	100.0	100.0	100.0	100.0	100.0	97.1	95.0	88.7	82.6	75.2	69.5	63.9	58.4	52.3	11.3	36.4	52.3	
⊙ 393	845	100.0	100.0	100.0	97.6	90.9	85.5	83.3	76.5	70.5	65.1	59.7	54.9	50.1	45.2	23.5	31.3	45.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



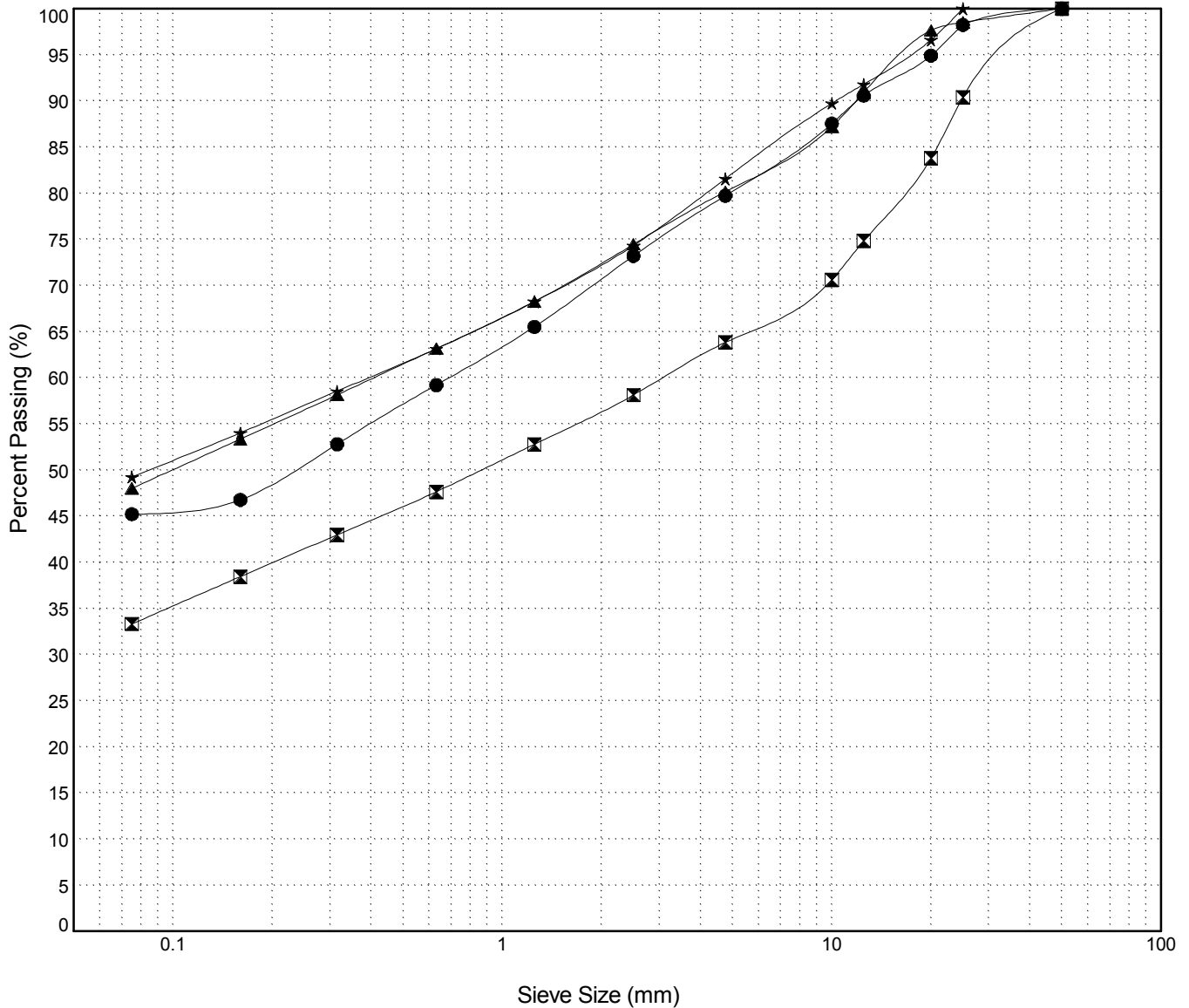
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4564
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6779729m E479413m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 394	846	0.1 to	SILTY SAND with GRAVEL(SM)	7.4	NP	NP	NP		
☒ 395	847	1.2 to	SILTY GRAVEL with SAND(GM)	5.6	NP	NP	NP		
▲ 396	848	2.6 to	SILTY SAND with GRAVEL(SM)	8.0	NP	NP	NP		
★ 397	849	4.1 to	SILTY SAND with GRAVEL(SM)	8.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 394	846	100.0	100.0	100.0	98.2	94.9	90.6	87.6	79.7	73.2	65.5	59.2	52.8	46.8	45.2	20.3	34.5	45.2	
☒ 395	847	100.0	100.0	100.0	90.4	83.8	74.8	70.6	63.8	58.1	52.8	47.6	43.0	38.4	33.3	36.2	30.5	33.3	
▲ 396	848	100.0	100.0	100.0	98.5	97.6	90.9	87.2	80.2	74.5	68.2	63.2	58.1	53.3	48.0	19.8	32.1	48.0	
★ 397	849	100.0	100.0	100.0	96.6	91.8	89.7	81.6	74.3	68.3	63.1	58.6	54.0	49.3	18.4	32.3	49.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



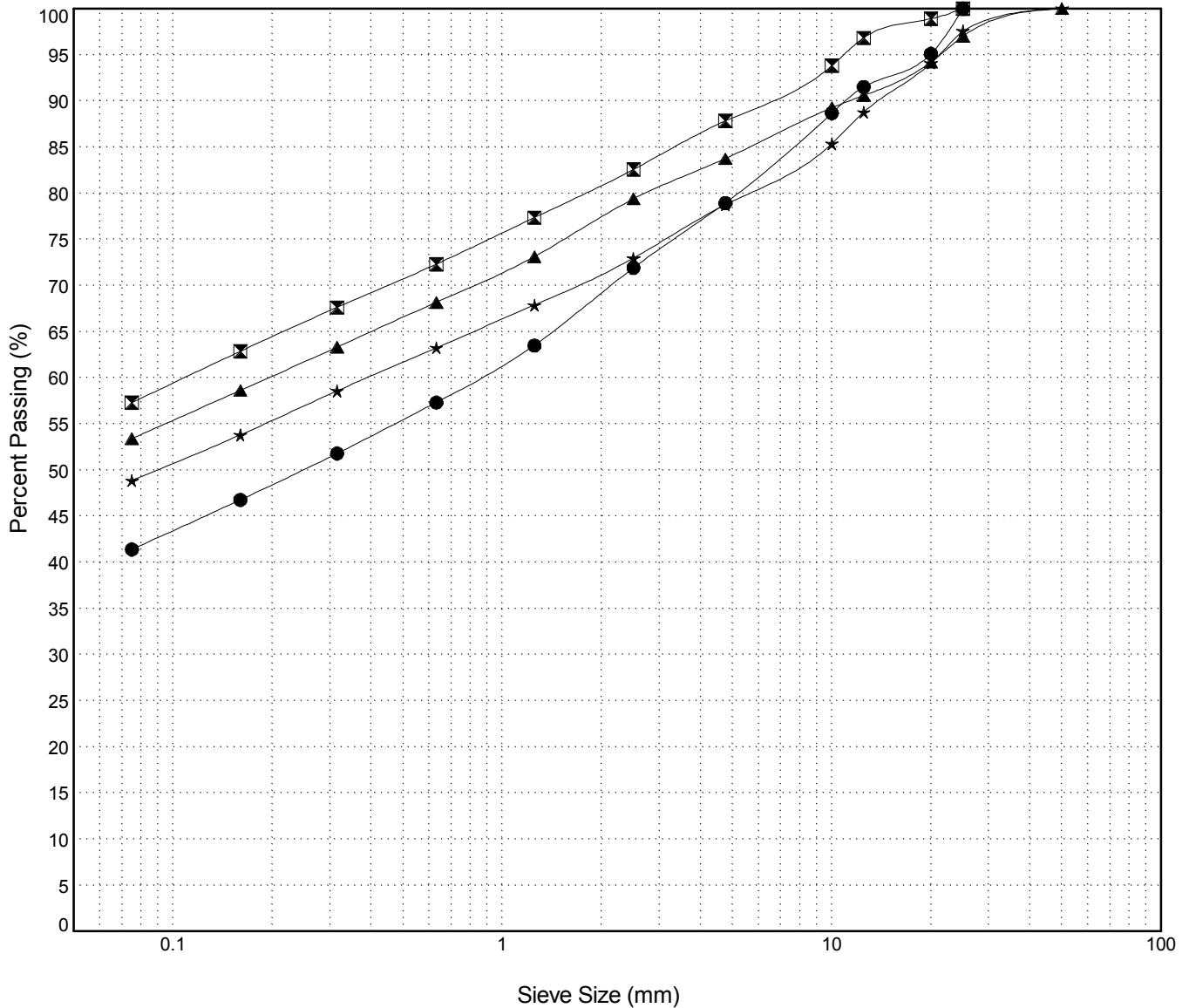
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 809-4565
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6779912m E479334m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 398	850	0.1 to	SILTY SAND with GRAVEL(SM)	6.8	NP	NP	NP		
☒ 399	851	1.2 to	SANDY SILT(ML)	10.5	NP	NP	NP		
▲ 400	852	2.6 to	SANDY SILT with GRAVEL(ML)	9.3	NP	NP	NP		
★ 402	854	4.1 to	SILTY SAND with GRAVEL(SM)	8.1	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
● 398	850	100.0	100.0	100.0	100.0	95.1	91.5	88.7	78.9	71.9	63.5	57.3	51.8	46.8	41.4	21.1	37.5	41.4	
☒ 399	851	100.0	100.0	100.0	100.0	98.9	96.8	93.8	87.8	82.6	77.3	72.3	67.6	62.9	57.3	12.2	30.5	57.3	
▲ 400	852	100.0	100.0	100.0	97.0	94.2	90.6	89.3	83.7	79.4	73.1	68.2	63.3	58.6	53.4	16.3	30.3	53.4	
★ 402	854	100.0	100.0	100.0	97.6	94.1	88.8	85.4	78.8	73.0	67.9	63.2	58.6	53.8	48.9	21.2	29.9	48.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



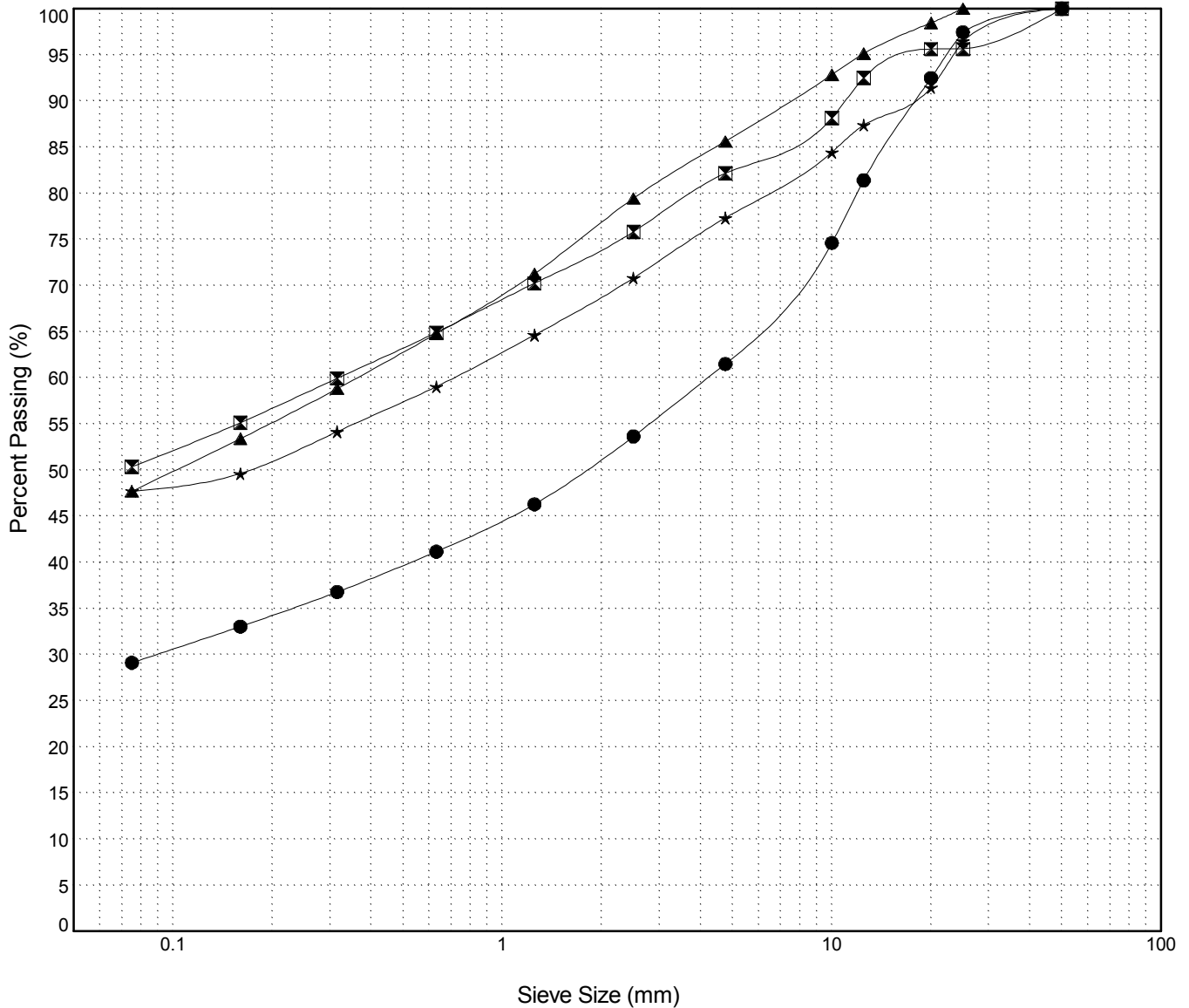
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4566
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780089m E479237m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 403	855	0.1 to	SILTY GRAVEL with SAND(GM)	5.7	NP	NP	NP		
☒ 404	856	1.2 to	SANDY SILT with GRAVEL(ML)	9.9	NP	NP	NP		
▲ 405	857	2.6 to	SILTY SAND(SM)	8.7	NP	NP	NP		
★ 406	858	4.1 to	SILTY SAND with GRAVEL(SM)	7.6	NP	NP	NP		

Field #	Lab #	% PASSING													% Breakdown				
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 403	855	100.0	100.0	100.0	97.4	92.5	81.4	74.6	61.5	53.6	46.3	41.2	36.8	33.0	29.1	38.5	32.4	29.1	
☒ 404	856	100.0	100.0	100.0	95.6	95.6	92.5	88.2	82.2	75.8	70.2	64.9	59.9	55.1	50.4	17.8	31.8	50.4	
▲ 405	857	100.0	100.0	100.0	100.0	98.5	95.1	92.8	85.6	79.4	71.3	64.8	58.8	53.4	47.7	14.4	37.9	47.7	
★ 406	858	100.0	100.0	100.0	96.5	91.4	87.4	84.4	77.3	70.8	64.6	59.0	54.2	49.6	47.7	22.7	29.6	47.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



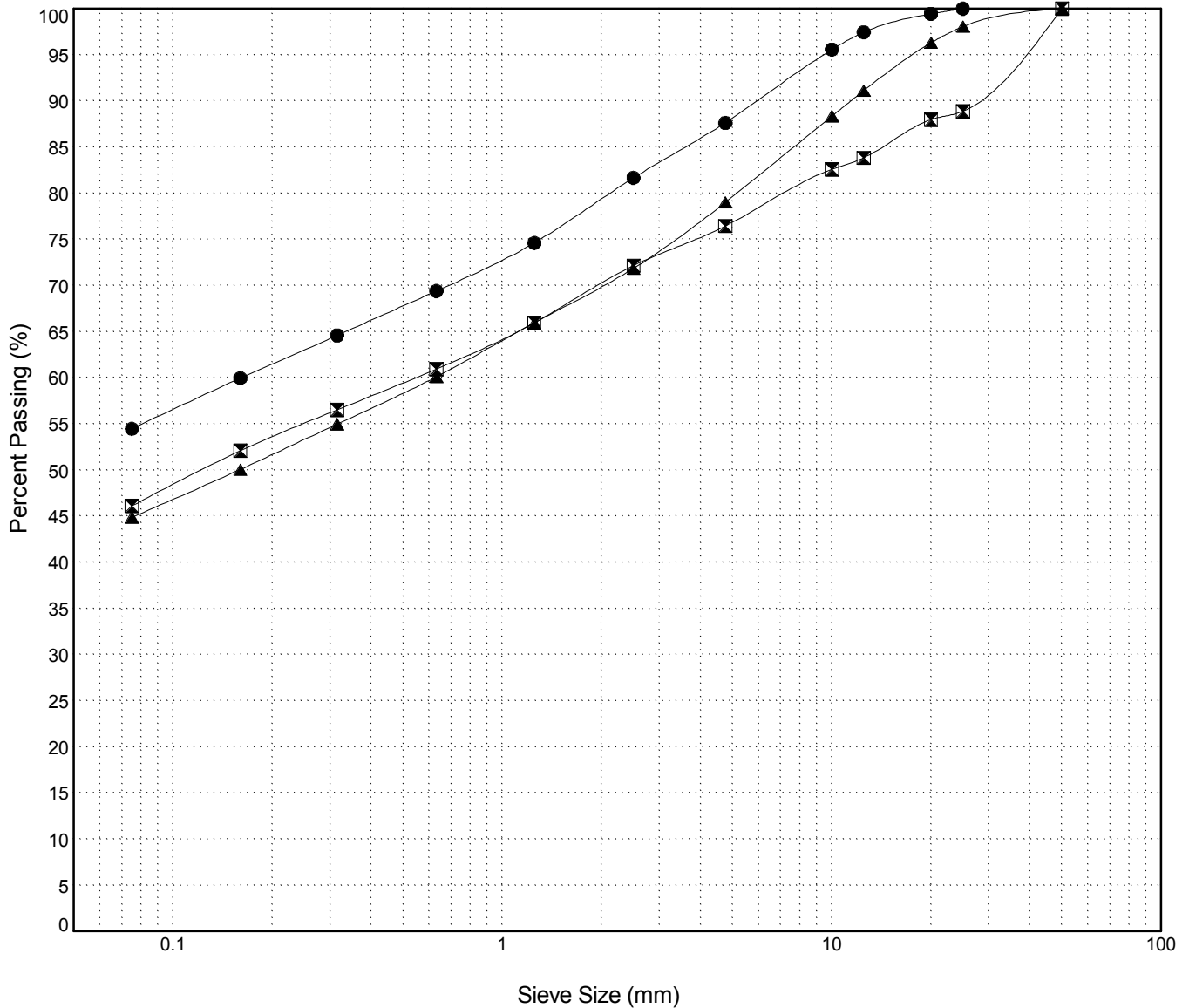
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4567
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780260m E479139m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 407	859	0.1 to	SANDY SILT (ML)	9.8	NP	NP	NP		
☒ 408	860	1.2 to	SILTY SAND with GRAVEL (SM)	9.2	NP	NP	NP		
▲ 409	861	2.6 to	SILTY SAND with GRAVEL (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			
		% PASSING														Gravel	Sand	Silt	Clay
● 407	859	100.0	100.0	100.0	100.0	99.4	97.4	95.6	87.6	81.7	74.6	69.4	64.6	60.0	54.5	12.4	33.2	54.5	
☒ 408	860	100.0	100.0	100.0	88.9	88.0	83.8	82.6	76.4	72.1	65.9	60.9	56.5	52.1	46.1	23.6	30.3	46.1	
▲ 409	861	100.0	100.0	100.0	98.0	96.3	91.1	88.3	79.0	71.8	65.9	60.1	55.0	50.1	44.9	21.0	34.1	44.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

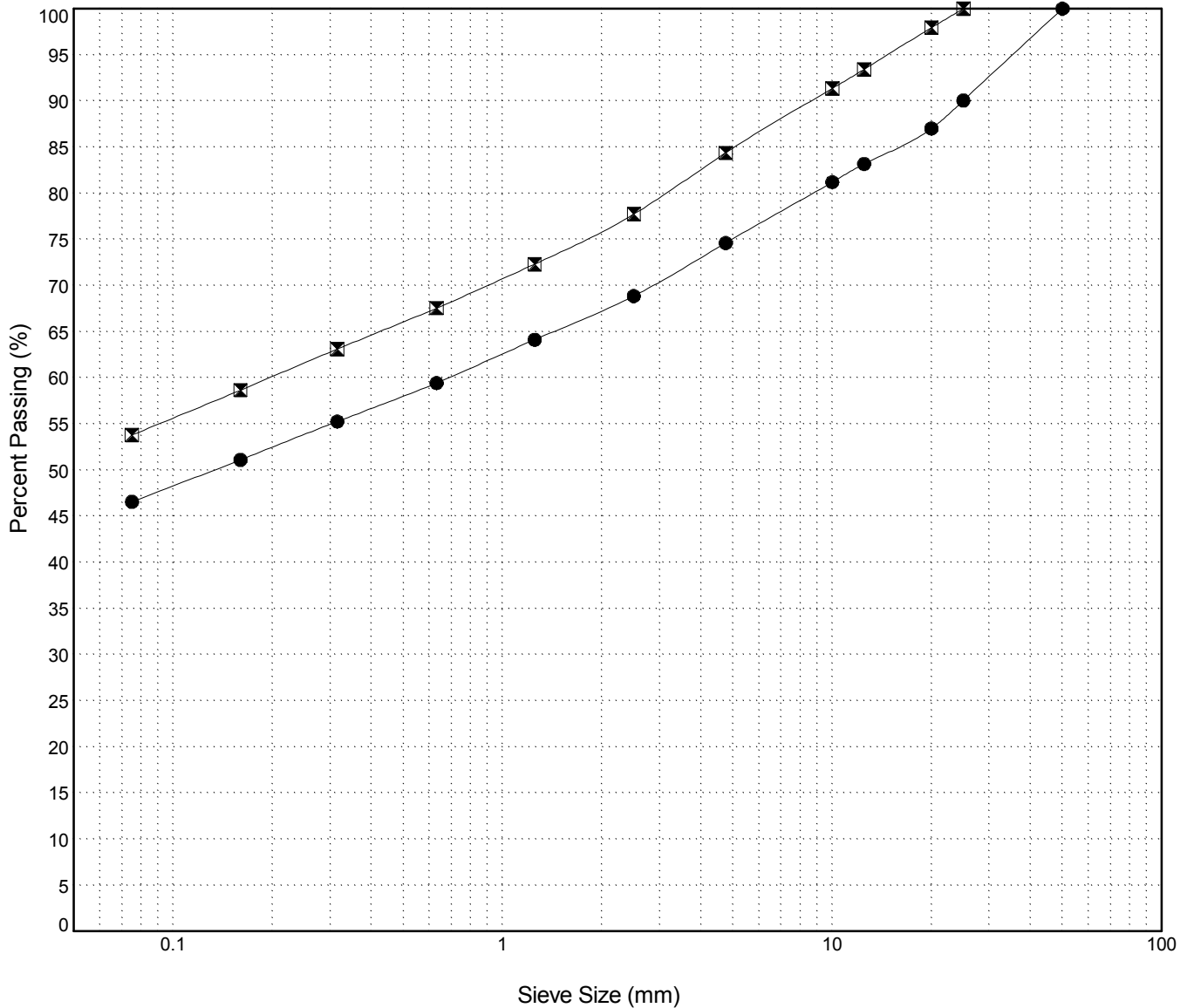


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4568
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780428m E479031m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 412	864	1.2 to	SILTY SAND with GRAVEL(SM)	8.5	NP	NP	NP													
☒ 413	865	2.6 to	SANDY SILT with GRAVEL(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				
● 412	864	100.0	100.0	100.0	90.0	87.0	83.2	81.2	74.6	68.9	64.1	59.4	55.3	51.1	46.6	Gravel	Sand	Silt	Clay	
☒ 413	865	100.0	100.0	100.0	100.0	97.9	93.4	91.3	84.4	77.7	72.3	67.5	63.1	58.7	53.8	15.6	30.6	46.6	53.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



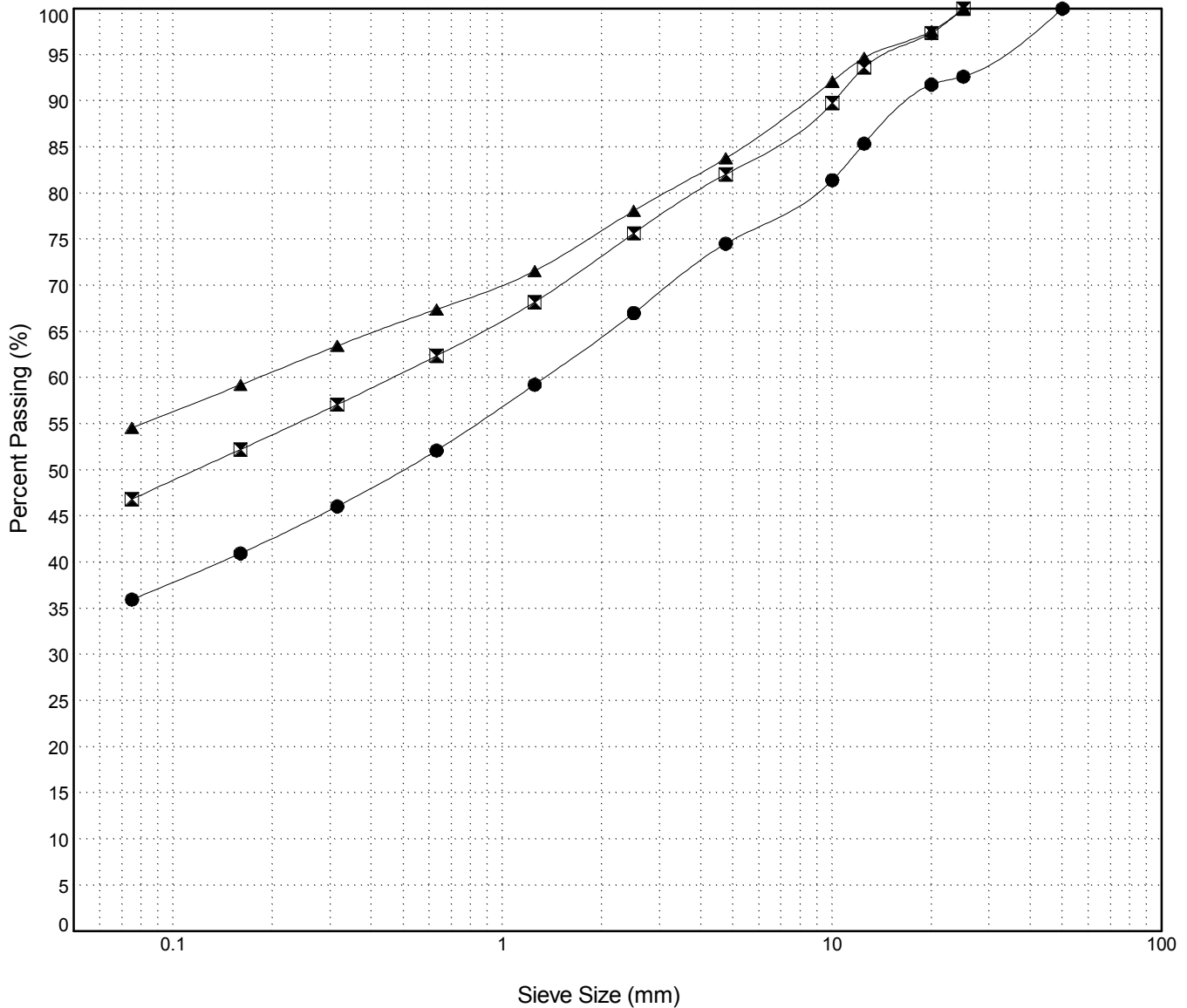
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4569
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780563m E478888m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 415	867	0.2 to	SILTY SAND with GRAVEL(SM)	6.3	NP	NP	NP		
☒ 416	868	1.2 to	SILTY SAND with GRAVEL(SM)	10.7	NP	NP	NP		
▲ 418	870	4.1 to	SANDY SILT with GRAVEL(ML)	9.9	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
● 415	867	100.0	100.0	100.0	100.0	92.6	91.8	85.4	81.4	74.5	67.0	59.2	52.1	46.1	41.0	36.0	25.5	38.6	36.0	
☒ 416	868	100.0	100.0	100.0	100.0	97.4	93.6	89.8	82.0	75.7	68.2	62.4	57.1	52.2	46.8	18.0	35.2	46.8		
▲ 418	870	100.0	100.0	100.0	100.0	97.6	94.7	92.1	83.8	78.1	71.6	67.4	63.5	59.2	54.6	16.2	29.2	54.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



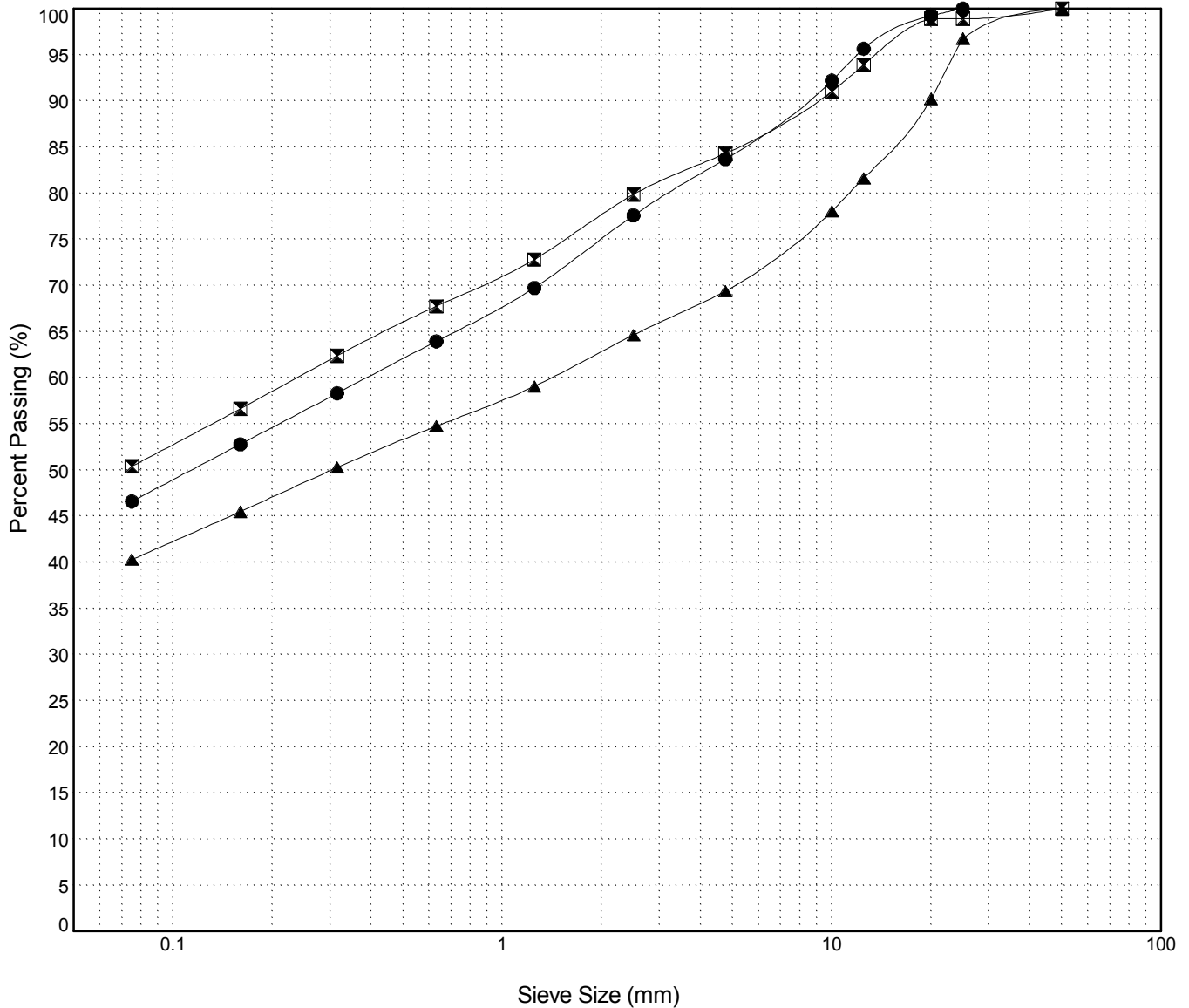
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4570
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780692m E478738m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 419	871	0.1 to	SILTY SAND with GRAVEL(SM)	9.4	NP	NP	NP		
☒ 421	873	2.6 to	SANDY SILT with GRAVEL(ML)	12.1	NP	NP	NP		
▲ 422	874	4.1 to	SILTY GRAVEL with SAND(GM)	8.6	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														
● 419	871	100.0	100.0	100.0	100.0	99.2	95.7	92.2	83.7	77.6	69.7	63.9	58.3	52.8	46.6	16.3	37.1	46.6		
☒ 421	873	100.0	100.0	100.0	98.9	98.9	93.9	91.0	84.3	79.9	72.8	67.7	62.4	56.6	50.4	15.7	33.9	50.4		
▲ 422	874	100.0	100.0	100.0	96.8	90.2	81.6	78.0	69.4	64.6	59.1	54.7	50.3	45.5	40.3	30.6	29.1	40.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



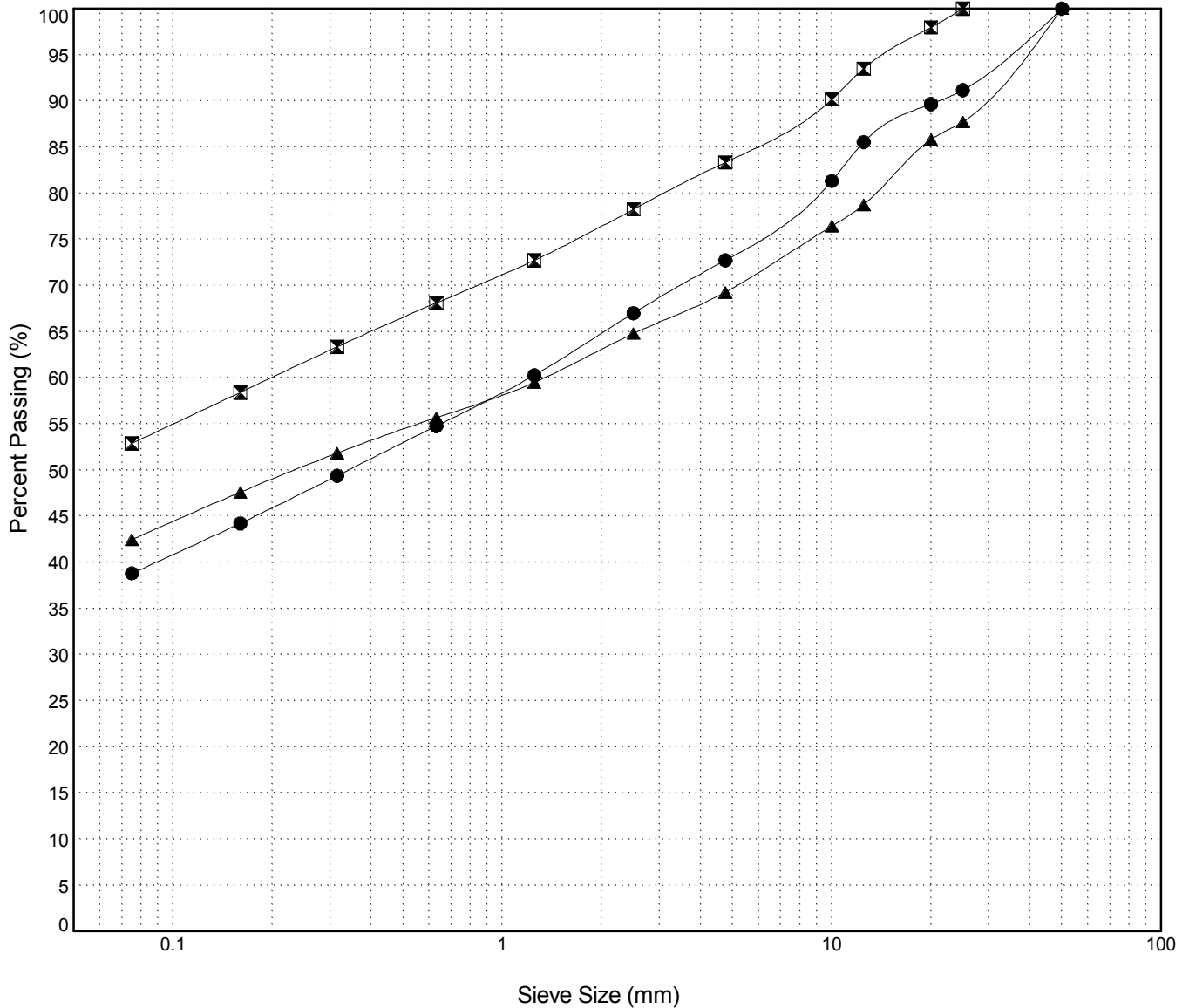
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4571
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780826m E478586m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 423	875	0.1 to	SILTY SAND with GRAVEL(SM)	6.3	NP	NP	NP		
☒ 424	876	1.2 to	SANDY SILT with GRAVEL(ML)	8.9	NP	NP	NP		
▲ 425A	878	4.1 to	SILTY GRAVEL with SAND(GM)	9.2	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			
		%PASSING														Gravel	Sand	Silt	Clay
● 423	875	100.0	100.0	100.0	91.2	89.7	85.5	81.3	72.7	67.0	60.3	54.8	49.4	44.2	38.8	27.3	33.9	38.8	
☒ 424	876	100.0	100.0	100.0	100.0	98.0	93.5	90.2	83.3	78.3	72.7	68.1	63.3	58.4	52.9	16.7	30.4	52.9	
▲ 425A	878	100.0	100.0	100.0	87.7	85.8	78.7	76.4	69.3	64.8	59.5	55.7	51.8	47.6	42.5	30.7	26.8	42.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

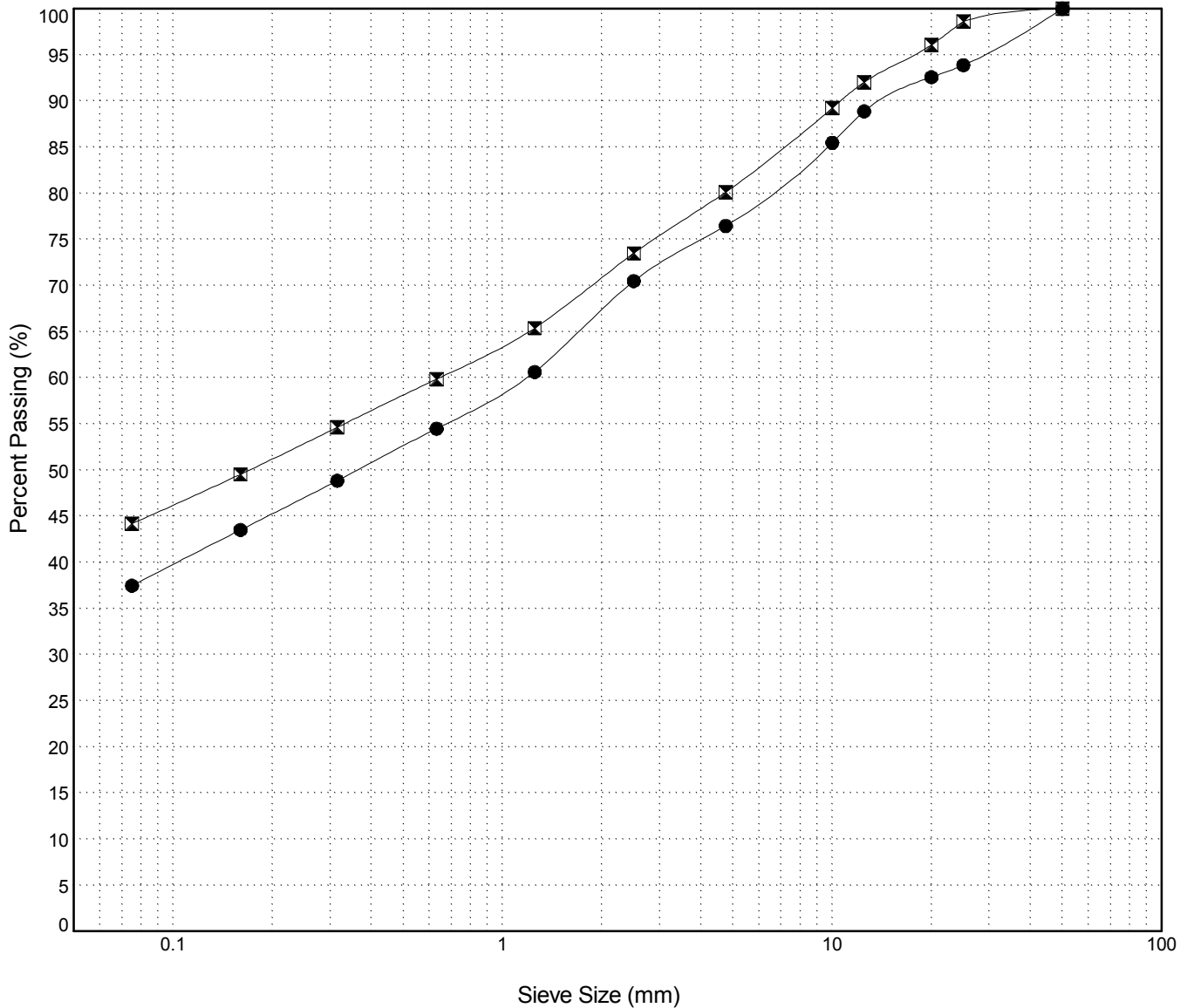


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4572
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6780959m E478435m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 427	880	1.2 to	SILTY SAND with GRAVEL(SM)	8.5	NP	NP	NP													
☒ 429	882	4.1 to	SILTY SAND with GRAVEL(SM)	8.1	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				
● 427	880	100.0	100.0	100.0	93.9	92.6	88.9	85.5	76.4	70.5	60.6	54.5	48.8	43.5	37.5	Gravel	Sand	Silt	Clay	
☒ 429	882	100.0	100.0	100.0	98.6	96.1	92.0	89.2	80.1	73.5	65.4	59.8	54.6	49.5	44.2	19.9	35.9	44.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

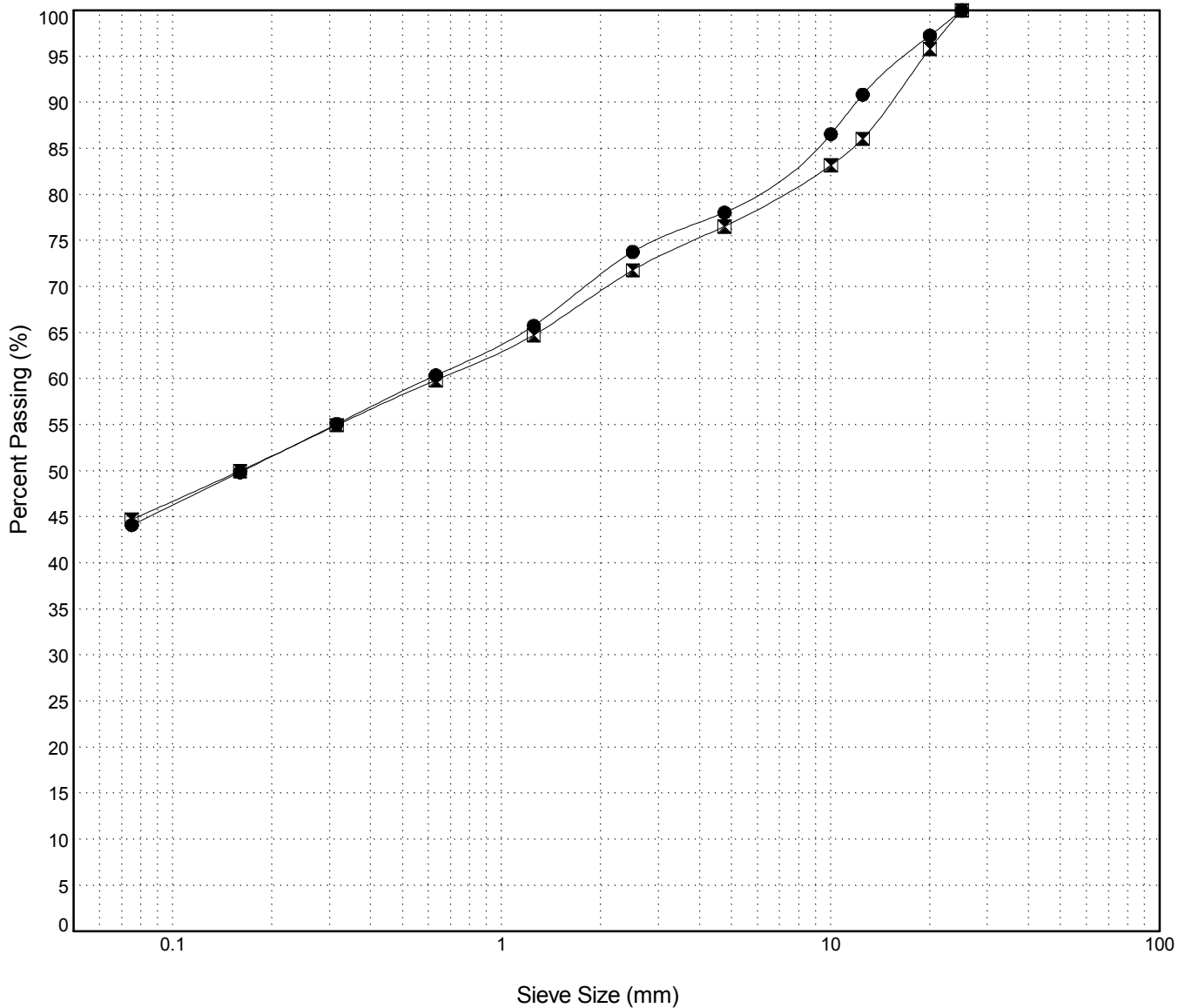


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4573
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781114m E478304m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 430	883	0.1 to	SILTY SAND with GRAVEL(SM)	6.8	NP	NP	NP													
☒ 433	886	4.1 to	SILTY SAND with GRAVEL(SM)	8.2	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				
● 430	883	100.0	100.0	100.0	100.0	97.3	90.8	86.6	78.0	73.8	65.8	60.4	55.1	49.9	44.1	Gravel	Sand	Silt	Clay	
☒ 433	886	100.0	100.0	100.0	100.0	95.8	86.1	83.2	76.5	71.8	64.7	59.9	55.0	50.0	44.7	22.0	33.9	44.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



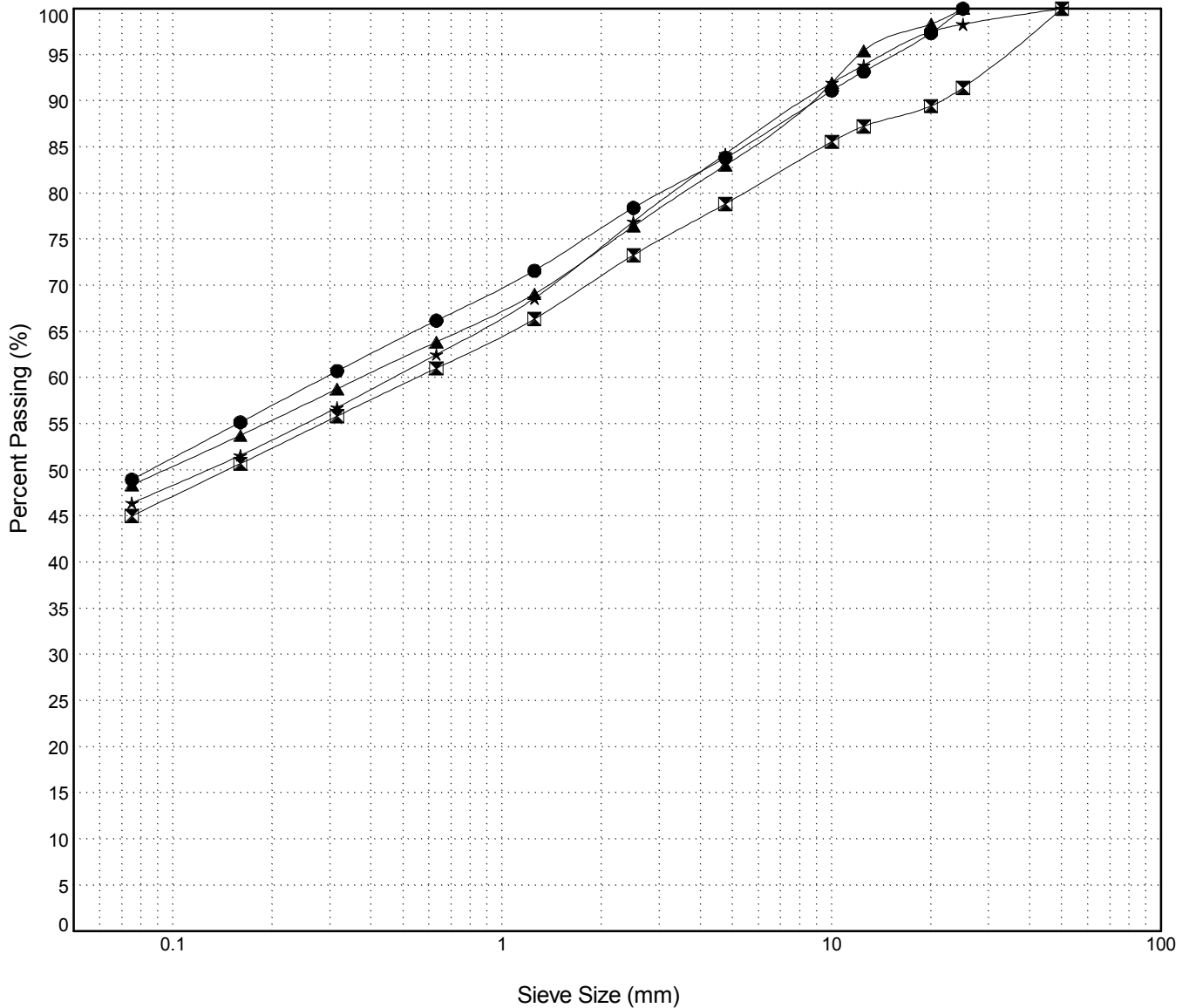
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4574
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781278m E478118m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 434	887	0.1 to	SILTY SAND with GRAVEL(SM)	7.4	NP	NP	NP		
☒ 435	888	1.2 to	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP		
▲ 436	889	2.6 to	SILTY SAND with GRAVEL(SM)	11.1	NP	NP	NP		
★ 437	890	4.1 to	SILTY SAND with GRAVEL(SM)	9.5	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			
		%PASSING														Gravel	Sand	Silt	Clay
● 434	887	100.0	100.0	100.0	100.0	97.4	93.2	91.1	83.8	78.4	71.6	66.2	60.7	55.2	49.0	16.2	34.9	49.0	
☒ 435	888	100.0	100.0	100.0	91.4	89.5	87.2	85.6	78.8	73.3	66.4	61.0	55.8	50.7	45.0	21.2	33.8	45.0	
▲ 436	889	100.0	100.0	100.0	100.0	98.3	95.4	92.0	83.0	76.4	69.1	63.9	58.8	53.7	48.4	17.0	34.6	48.4	
★ 437	890	100.0	100.0	100.0	98.3	97.5	93.9	92.0	84.2	76.9	68.6	62.5	56.8	51.6	46.4	15.8	37.8	46.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



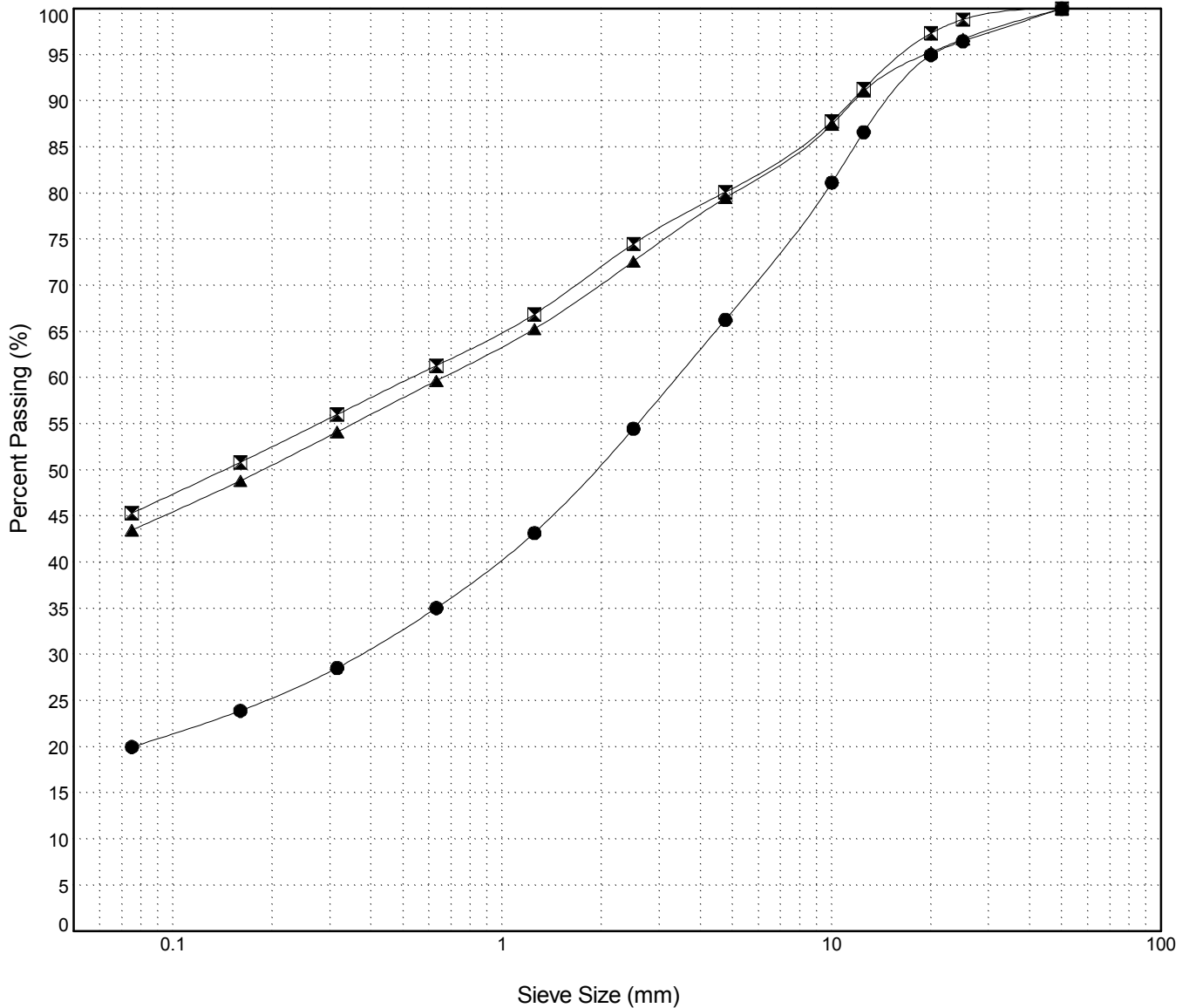
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4575
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781457m E478061m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 438	891	0.1 to	SILTY SAND with GRAVEL(SM)	5.2	NP	NP	NP		
☒ 440	893	2.6 to	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP		
▲ 441	894	4.1 to	SILTY SAND with GRAVEL(SM)	11.3	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														
● 438	891	100.0	100.0	100.0	96.5	95.0	86.6	81.1	66.3	54.5	43.2	35.0	28.5	23.9	20.0	33.7	46.3	20.0		
☒ 440	893	100.0	100.0	100.0	98.8	97.3	91.3	87.8	80.1	74.5	66.9	61.3	56.0	50.8	45.3	19.9	34.8	45.3		
▲ 441	894	100.0	100.0	100.0	96.7	95.3	91.0	87.4	79.5	72.6	65.3	59.7	54.1	48.8	43.5	20.5	36.0	43.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



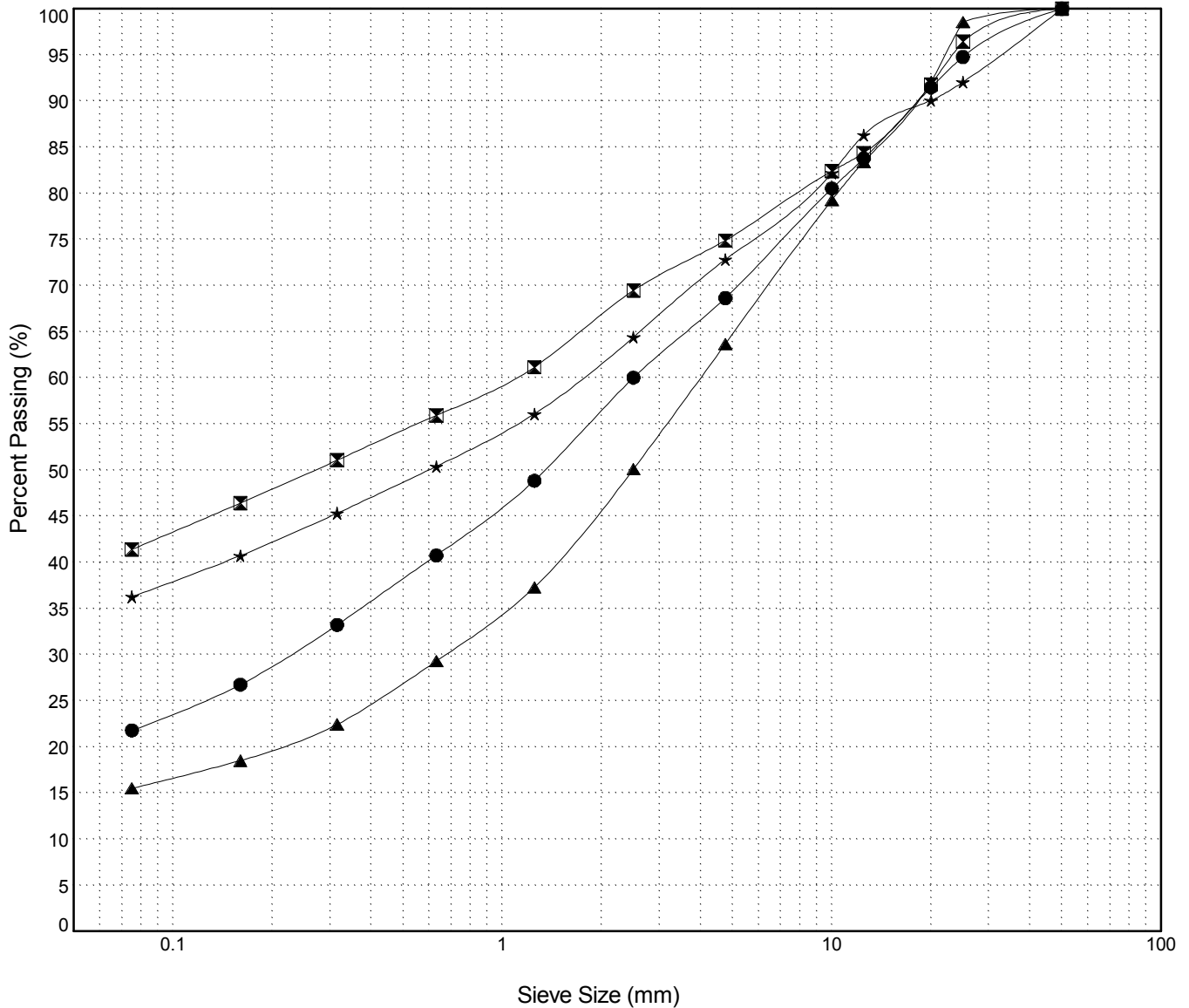
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4576
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781621m E477947m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 442	895	0.1 to	SILTY SAND with GRAVEL(SM)	4.2	NP	NP	NP		
☒ 444	897	1.8 to	SILTY SAND with GRAVEL(SM)	39.4	NP	NP	NP		
▲ 445	898	2.6 to	SILTY SAND with GRAVEL(SM)	10.8	NP	NP	NP		
★ 446	899	4.1 to	SILTY SAND with GRAVEL(SM)	8.1	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
● 442	895	100.0	100.0	100.0	100.0	94.8	91.5	83.8	80.5	68.6	60.0	48.8	40.8	33.2	26.7	21.8	31.4	46.9	21.8	
☒ 444	897	100.0	100.0	100.0	96.4	91.8	84.4	82.4	74.9	69.5	61.1	55.9	51.1	46.4	41.4	25.1	33.5	41.4		
▲ 445	898	100.0	100.0	100.0	98.5	92.1	83.4	79.2	63.7	50.1	37.3	29.3	22.4	18.5	15.5	36.3	48.2	15.5		
★ 446	899	100.0	100.0	100.0	92.0	90.0	86.3	82.2	72.8	64.4	56.1	50.4	45.3	40.7	36.3	27.2	36.5	36.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



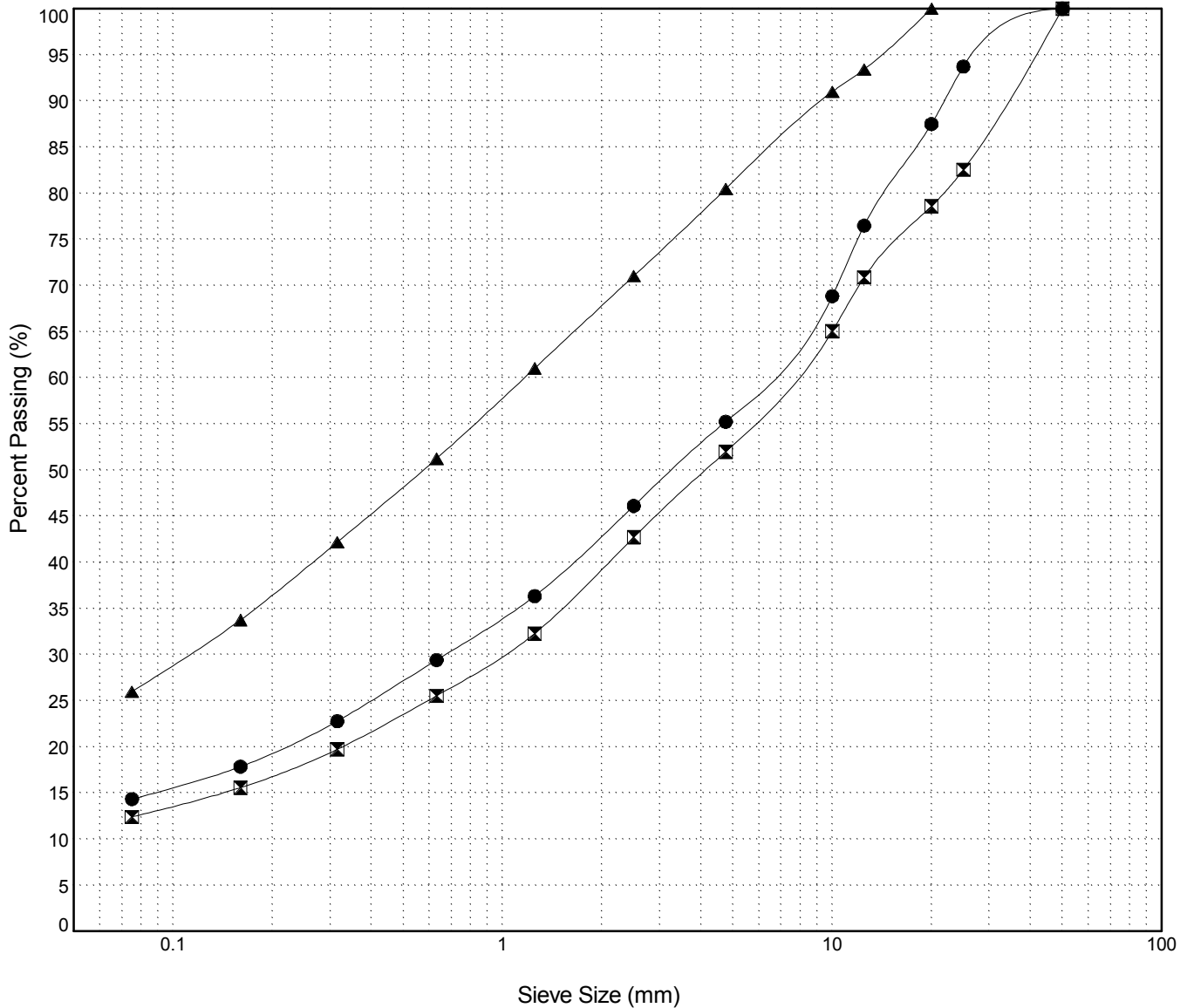
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4577
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781784m E477834m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 448	901	1.2 to	SILTY GRAVEL with SAND(GM)	5.0	NP	NP	NP		
☒ 449	902	2.6 to	SILTY GRAVEL with SAND(GM)	3.8	NP	NP	NP	3.1	178.1
▲ 450	903	4.1 to	SILTY SAND with GRAVEL(SM)	10.0	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
● 448	901	100.0	100.0	100.0	100.0	93.7	87.5	76.5	68.8	55.2	46.1	36.3	29.4	22.8	17.9	14.3	44.8	40.9	14.3
☒ 449	902	100.0	100.0	100.0	82.5	78.6	70.9	65.0	52.0	42.7	32.3	25.5	19.7	15.6	12.4	48.0	39.6	12.4	
▲ 450	903	100.0	100.0	100.0	100.0	100.0	93.4	91.0	80.5	71.0	61.0	51.2	42.2	33.7	26.0	19.5	54.5	26.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



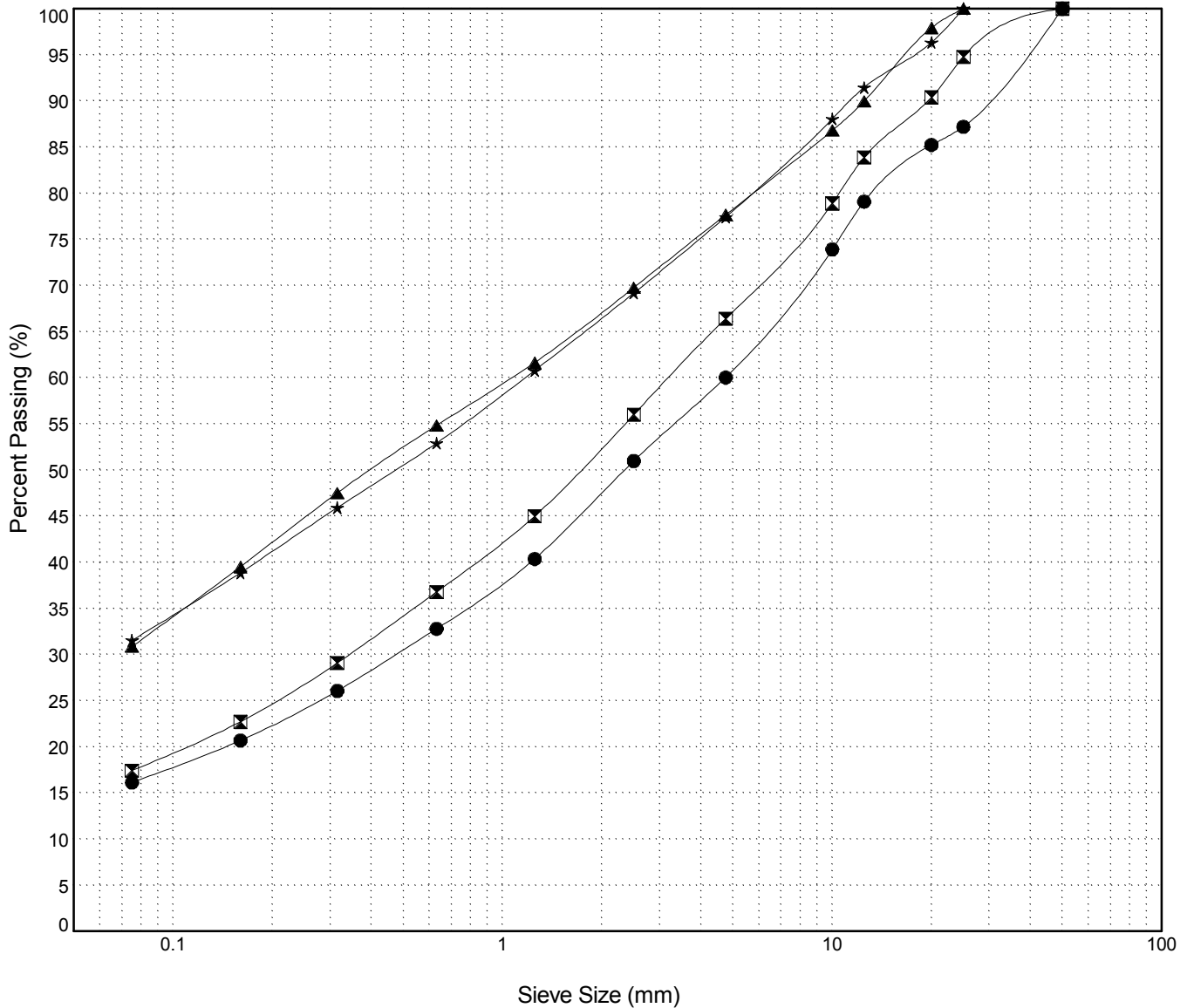
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4578
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6781944m E477723m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 451	904	0.1 to	SILTY SAND with GRAVEL(SM)	3.9	NP	NP	NP		
☒ 452	905	1.2 to	SILTY SAND with GRAVEL(SM)	6.1	NP	NP	NP		
▲ 453	906	2.6 to	SILTY SAND with GRAVEL(SM)	11.9	NP	NP	NP		
★ 454	907	4.1 to	SILTY SAND with GRAVEL(SM)	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
● 451	904	100.0	100.0	100.0	100.0	87.2	85.2	79.1	73.9	60.0	51.0	40.4	32.8	26.1	20.7	16.1	40.0	43.9	16.1	
☒ 452	905	100.0	100.0	100.0	94.8	90.4	83.9	78.9	66.4	56.0	45.0	36.8	29.1	22.7	17.4	33.6	49.0	17.4		
▲ 453	906	100.0	100.0	100.0	100.0	97.9	90.0	86.8	77.7	69.8	61.6	54.8	47.5	39.5	30.9	22.3	46.8	30.9		
★ 454	907	100.0	100.0	100.0	100.0	96.3	91.5	88.1	77.4	69.2	60.8	52.9	45.9	38.9	31.5	22.6	45.9	31.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



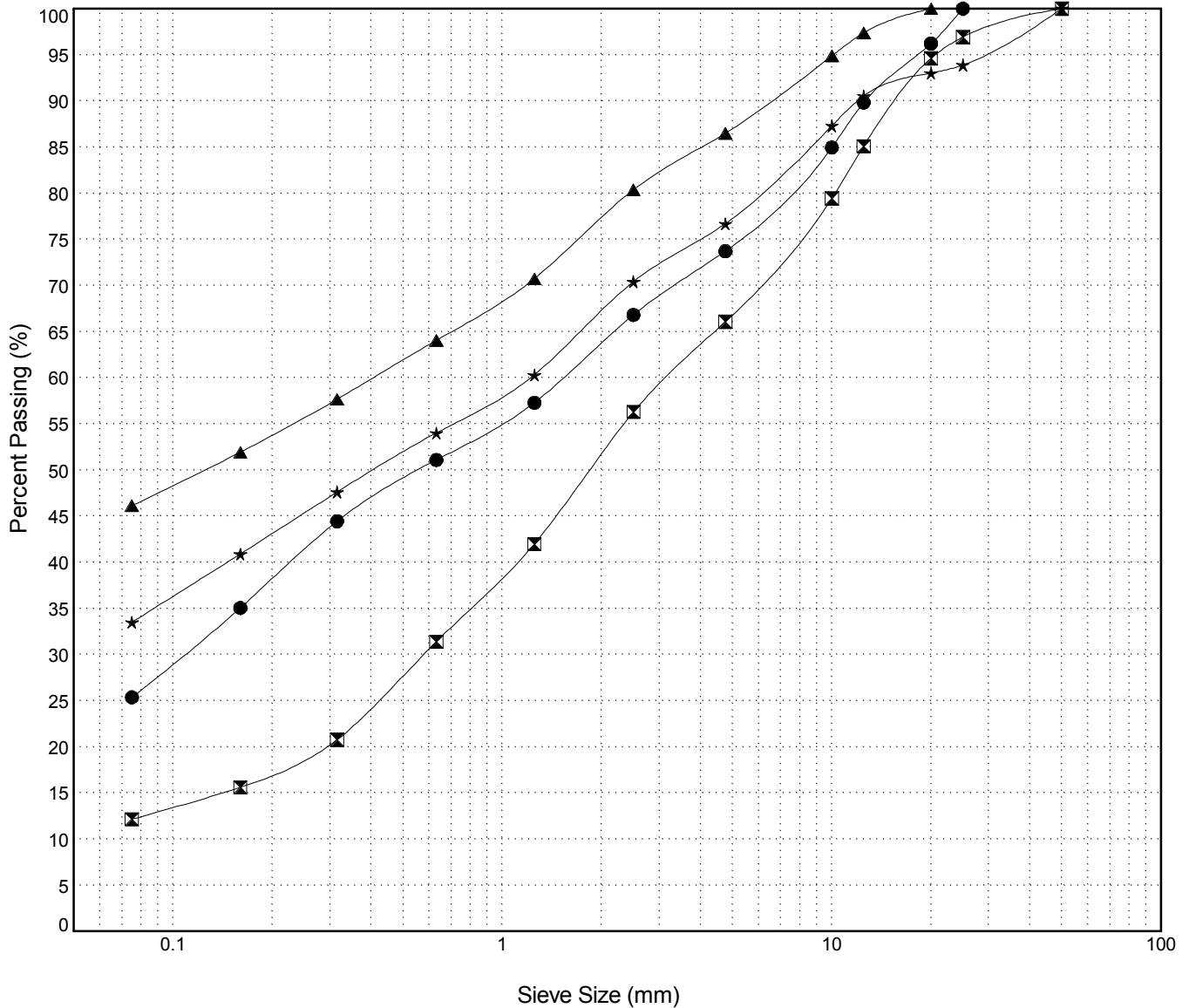
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4579
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6782111m E477605m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 455	908	0.1 to	SILTY SAND with GRAVEL(SM)	3.9	NP	NP	NP		
☒ 456	909	1.2 to	SILTY SAND with GRAVEL(SM)	4.3	NP	NP	NP	2.2	68.4
▲ 457	910	2.6 to	SILTY SAND(SM)	9.7	NP	NP	NP		
★ 458	911	4.1 to	SILTY SAND with GRAVEL(SM)	7.7	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			
		% PASSING														Gravel	Sand	Silt	Clay
● 455	908	100.0	100.0	100.0	100.0	96.2	89.8	85.0	73.7	66.8	57.3	51.1	44.5	35.1	25.4	26.3	48.4	25.4	
☒ 456	909	100.0	100.0	100.0	96.9	94.6	85.1	79.4	66.1	56.3	42.0	31.4	20.8	15.6	12.2	33.9	53.9	12.2	
▲ 457	910	100.0	100.0	100.0	100.0	100.0	97.4	94.9	86.5	80.4	70.7	64.0	57.7	51.9	46.1	13.5	40.3	46.1	
★ 458	911	100.0	100.0	100.0	93.9	93.0	90.5	87.3	76.7	70.4	60.3	54.0	47.6	40.9	33.5	23.3	43.2	33.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



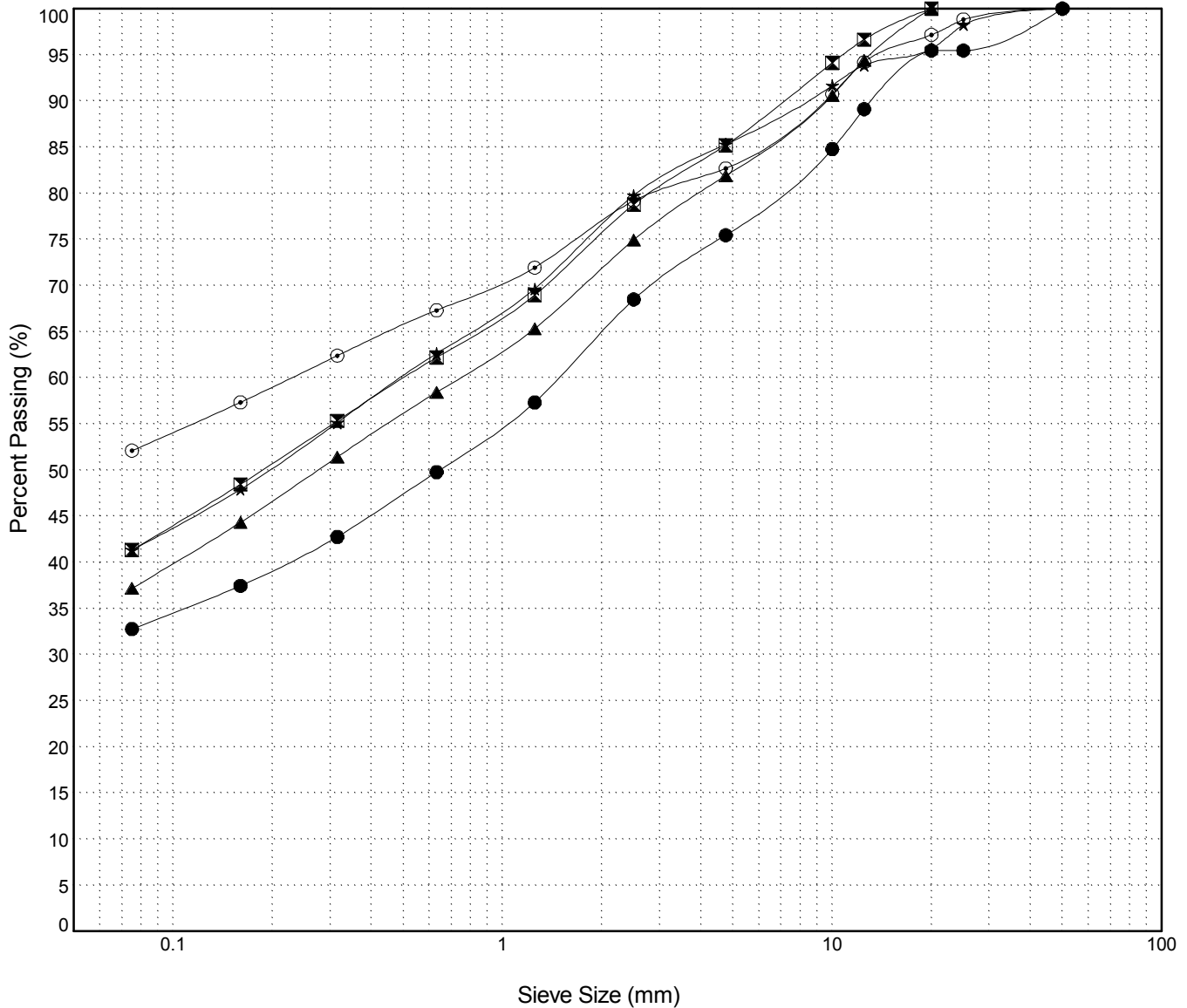
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4580
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6782274m E477493m	ELEVATION: m

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Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 459	912	0.1 to	SILTY SAND with GRAVEL(SM)	5.8	NP	NP	NP		
☒ 460	913	0.6 to	SILTY SAND(SM)	10.1	NP	NP	NP		
▲ 461	914	1.2 to	SILTY SAND with GRAVEL(SM)	9.8	NP	NP	NP		
★ 463	916	2.6 to	SILTY SAND(SM)	12.7	NP	NP	NP		
⊙ 464	917	4.1 to	SANDY SILT with GRAVEL(ML)	11.3	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
● 459	912	100.0	100.0	100.0	95.5	95.5	89.1	84.8	75.4	68.5	57.3	49.8	42.8	37.4	32.8	24.6	42.7	32.8	
☒ 460	913	100.0	100.0	100.0	100.0	100.0	96.6	94.1	85.2	78.8	68.9	62.2	55.3	48.4	41.3	14.8	43.9	41.3	
▲ 461	914	100.0	100.0	100.0	100.0	100.0	94.4	90.6	81.9	74.9	65.3	58.4	51.4	44.3	37.2	18.1	44.7	37.2	
★ 463	916	100.0	100.0	100.0	98.3	95.7	93.9	91.7	85.3	79.8	69.6	62.6	55.1	47.9	41.3	14.7	44.0	41.3	
⊙ 464	917	100.0	100.0	100.0	98.8	97.2	94.2	90.7	82.7	79.2	71.9	67.3	62.4	57.3	52.1	17.3	30.6	52.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

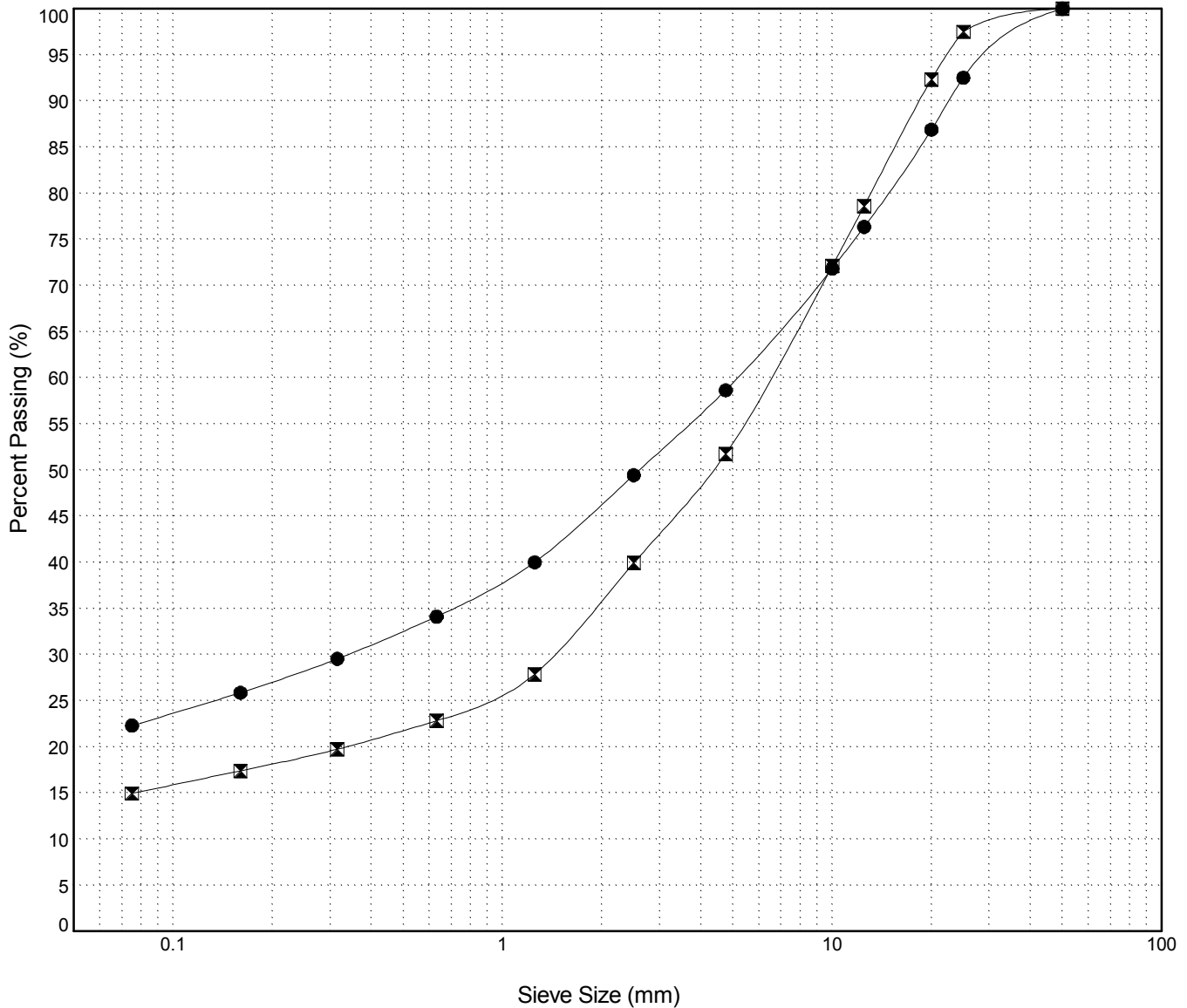


GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4582
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6782639m E477334m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 469	922	0.1 to	SILTY GRAVEL with SAND(GM)	4.9	NP	NP	NP													
☒ 471	924	2.6 to	SILTY GRAVEL with SAND(GM)	1.1	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				
● 469	922	100.0	100.0	100.0	92.5	86.9	76.3	71.8	58.6	49.4	40.0	34.1	29.5	25.9	22.3	Gravel	Sand	Silt	Clay	
☒ 471	924	100.0	100.0	100.0	97.5	92.3	78.6	72.1	51.7	39.9	27.9	22.8	19.7	17.4	14.9	48.3	36.8	14.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



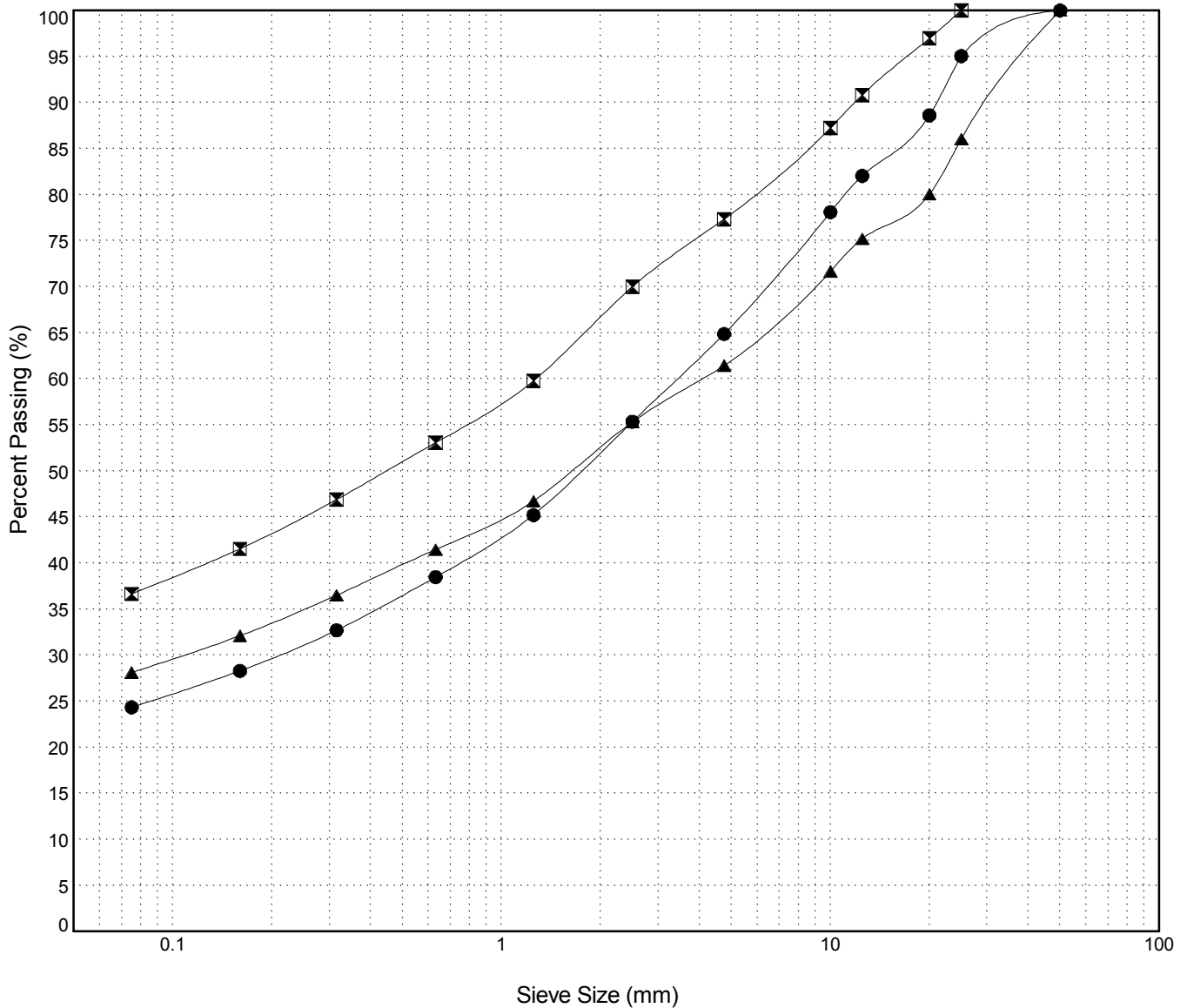
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4583
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6782820m E477255m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 472	925	0.1 to	SILTY SAND with GRAVEL(SM)	5.6	NP	NP	NP		
☒ 474	927	2.6 to	SILTY SAND with GRAVEL(SM)	14.0	NP	NP	NP		
▲ 475	928	4.1 to	SILTY GRAVEL with SAND(GM)	9.2	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
● 472	925	100.0	100.0	100.0	100.0	95.0	88.6	82.0	78.1	64.9	55.3	45.2	38.5	32.7	28.3	24.3	35.1	40.5	24.3	
☒ 474	927	100.0	100.0	100.0	100.0	97.0	90.8	87.2	77.3	70.0	59.8	53.1	46.9	41.5	36.6	32.1	22.7	40.7	36.6	
▲ 475	928	100.0	100.0	100.0	86.0	80.0	75.2	71.7	61.4	55.3	46.7	41.5	36.5	32.1	28.1	24.3	38.6	33.3	28.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



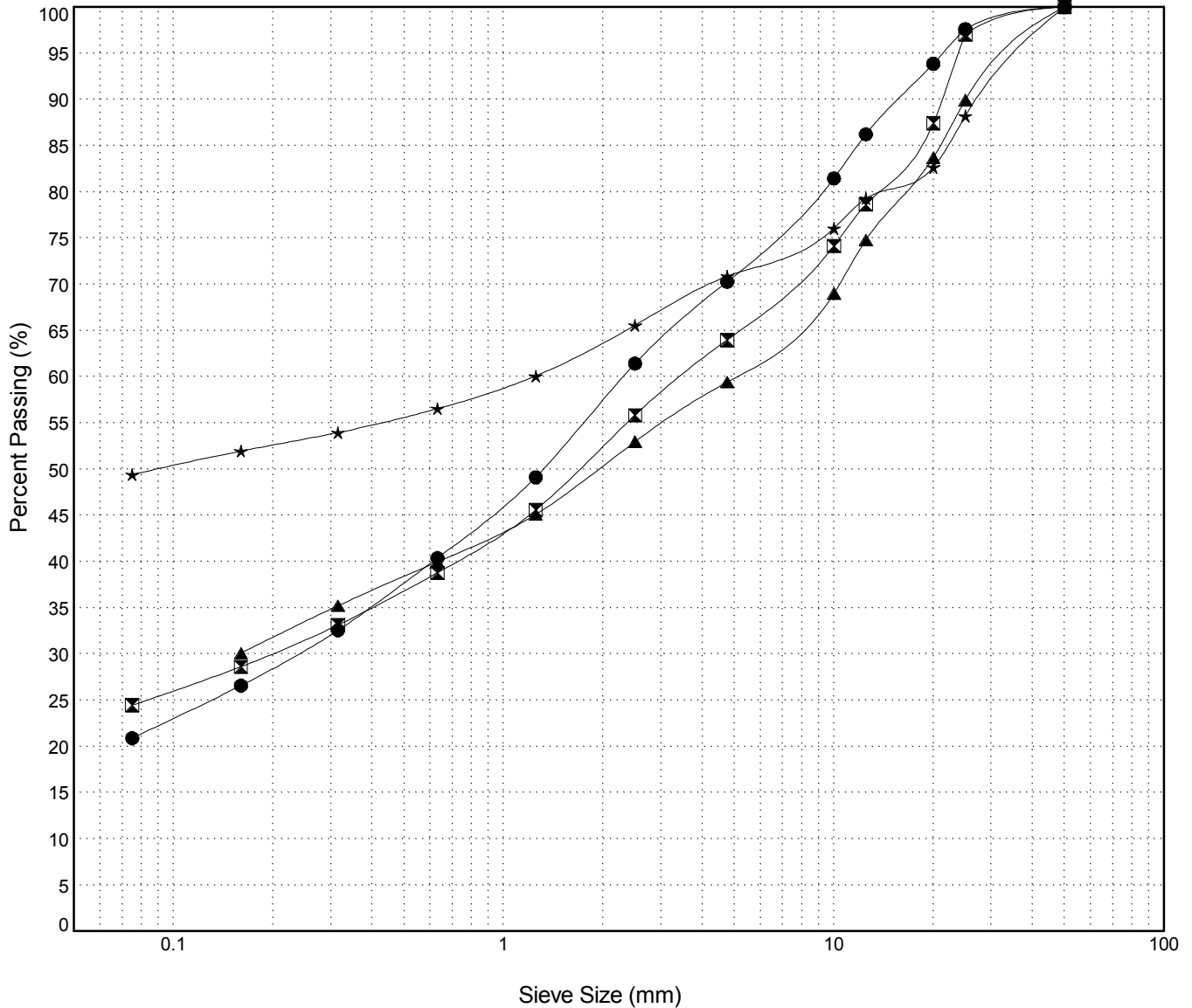
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4584
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6782996m E477164m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 476	929	0.1 to	SILTY SAND with GRAVEL(SM)	3.8	NP	NP	NP		
☒ 477	930	1.2 to	SILTY SAND with GRAVEL(SM)	6.1	NP	NP	NP		
▲ 478	931	2.6 to		12.3	NP	NP	NP		
★ 479	932	4.1 to	SILTY GRAVEL with SAND(GM)	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
● 476	929	100.0	100.0	100.0	100.0	97.6	93.9	86.2	81.5	70.3	61.4	49.1	40.4	32.6	26.6	20.9	29.7	49.4	20.9	
☒ 477	930	100.0	100.0	100.0	97.0	87.4	78.6	74.1	64.0	55.8	45.6	38.8	33.1	28.6	24.5	36.0	39.5	24.5		
▲ 478	931	100.0	100.0	100.0	89.9	83.7	74.8	69.0	59.4	53.0	45.1	40.0	35.2	30.1	100.0	40.6				
★ 479	932	100.0	100.0	100.0	88.2	82.6	79.3	76.0	70.9	65.6	60.1	56.5	53.9	51.9	49.4	29.1	21.4	49.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



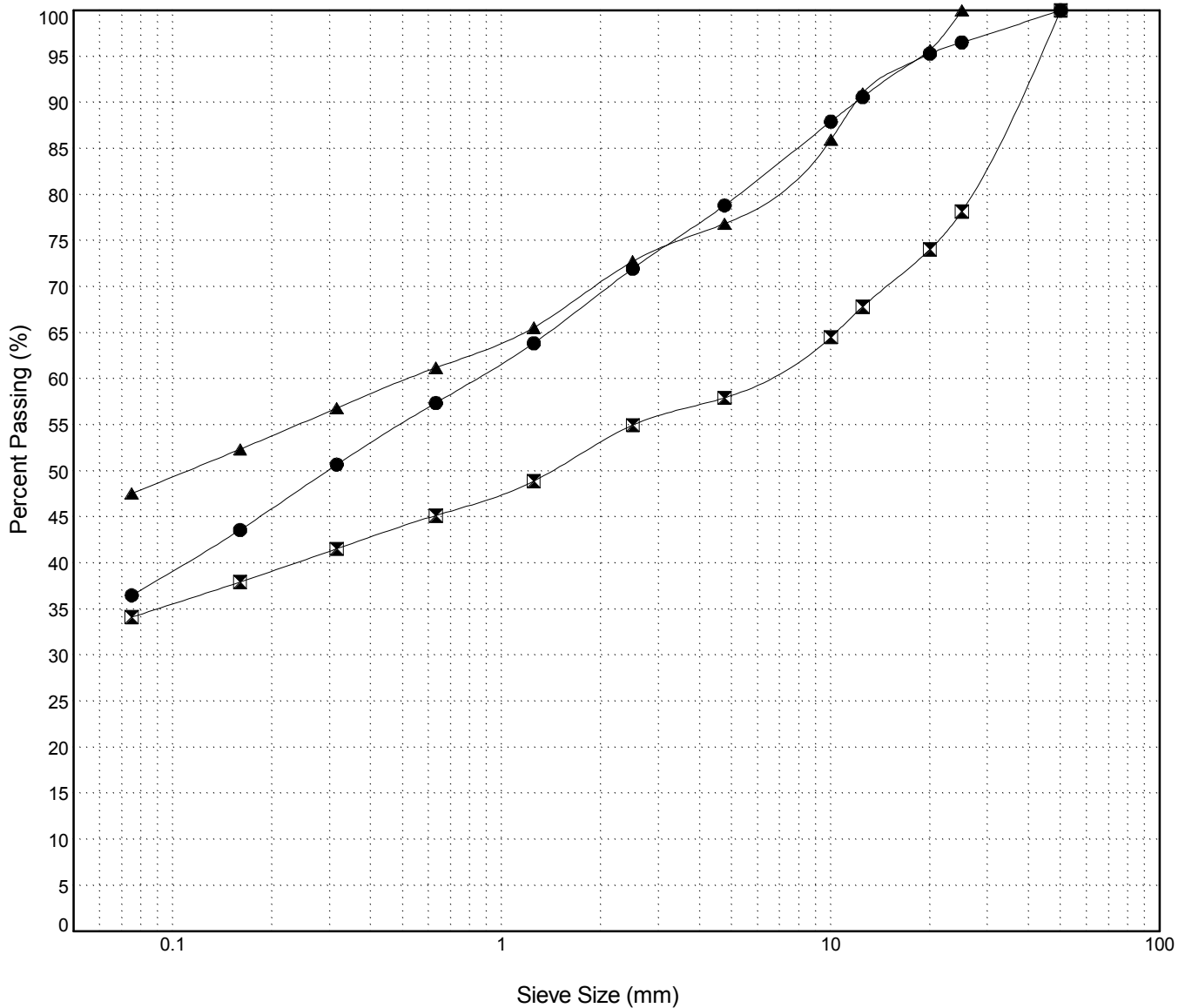
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4585
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783154m E477080m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 480	933	0.1 to	SILTY SAND with GRAVEL(SM)	7.2	NP	NP	NP		
☒ 481	934	1.2 to	SILTY GRAVEL with SAND(GM)	6.0	NP	NP	NP		
▲ 483	936	4.1 to	SILTY SAND with GRAVEL(SM)	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	Clay
● 480	933	100.0	100.0	100.0	100.0	96.5	95.3	90.6	87.9	78.8	72.0	63.9	57.4	50.7	43.6	36.5	21.2	42.3	36.5	
☒ 481	934	100.0	100.0	100.0	78.2	74.0	67.8	64.5	57.9	55.0	48.9	45.2	41.6	37.9	34.1		42.1	23.8	34.1	
▲ 483	936	100.0	100.0	100.0	100.0	95.7	91.0	86.0	76.8	72.7	65.6	61.2	56.8	52.3	47.6		23.2	29.3	47.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



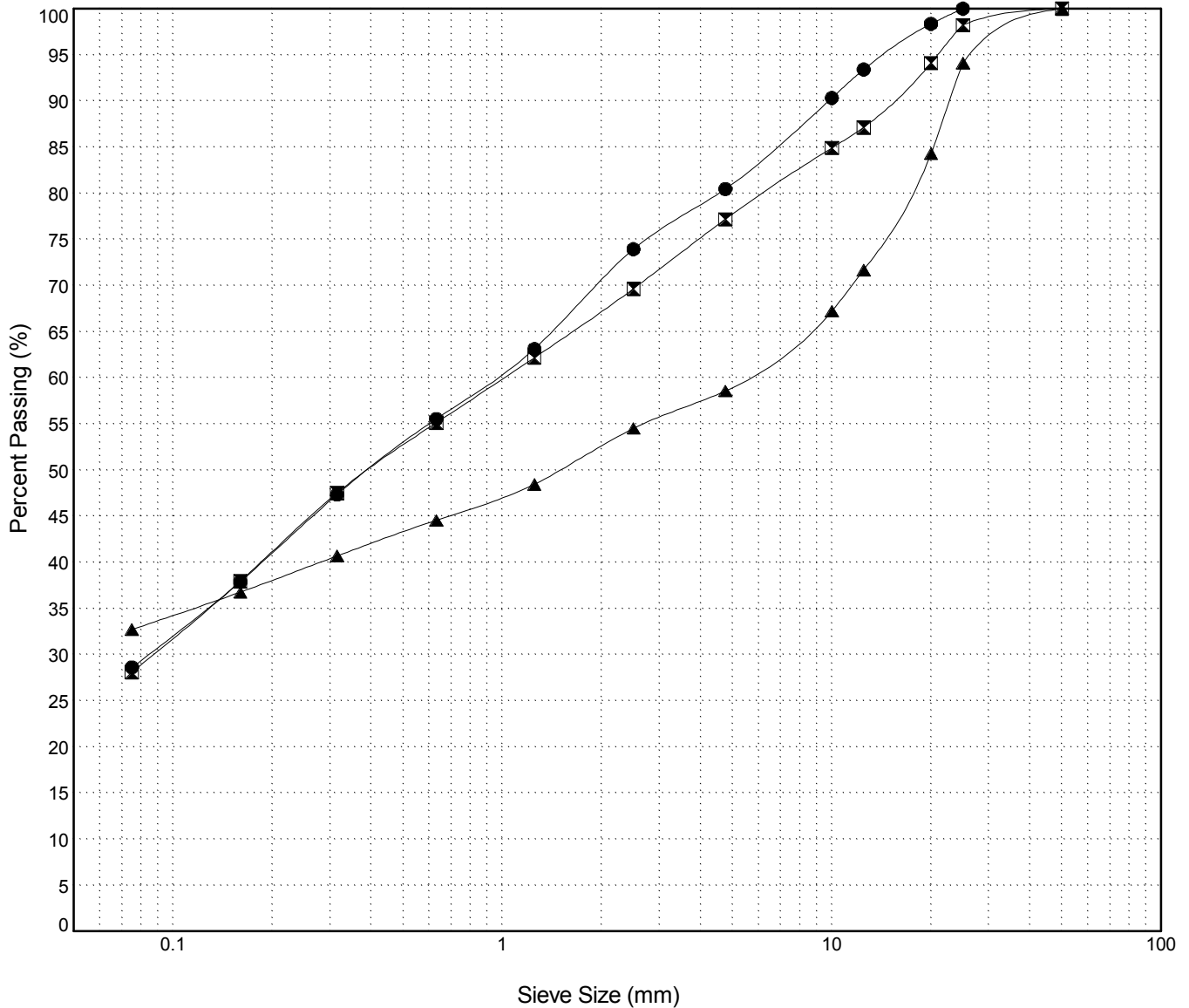
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4586
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783316m E476970m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 484	937	0.1 to	SILTY SAND with GRAVEL(SM)	5.8	NP	NP	NP		
☒ 486	939	2.6 to	SILTY SAND with GRAVEL(SM)	11.0	NP	NP	NP		
▲ 487	940	4.1 to	SILTY GRAVEL with SAND(GM)	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
● 484	937	100.0	100.0	100.0	100.0	98.4	93.4	90.3	80.4	73.9	63.1	55.5	47.4	37.9	28.6	19.6	51.8	28.6	
☒ 486	939	100.0	100.0	100.0	98.2	94.1	87.1	84.9	77.2	69.6	62.2	55.1	47.5	37.9	28.1	22.8	49.1	28.1	
▲ 487	940	100.0	100.0	100.0	94.1	84.3	71.7	67.2	58.6	54.5	48.5	44.5	40.7	36.8	32.7	41.4	25.8	32.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



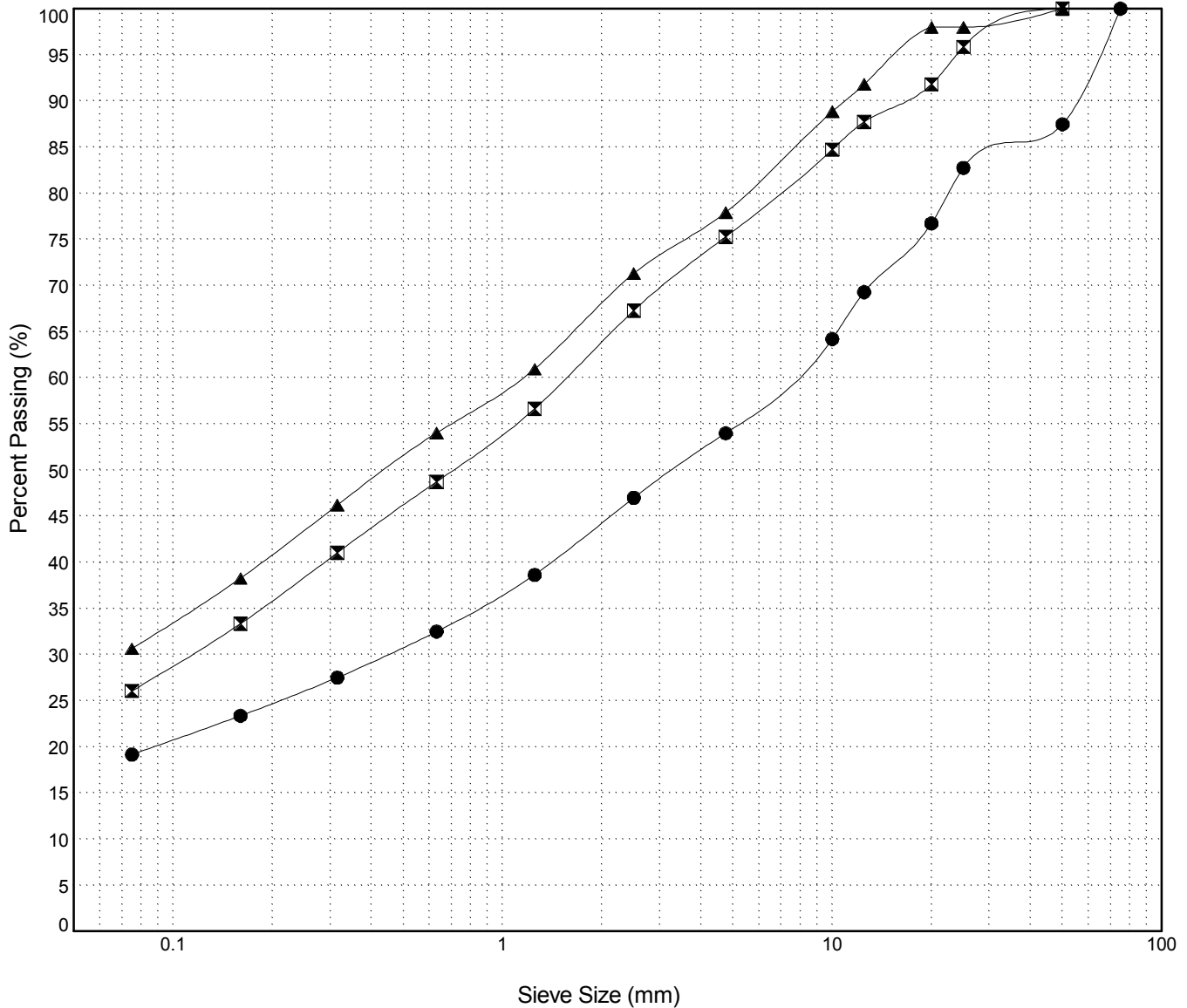
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4587
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783482m E476859m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 488	941	0.1 to	SILTY GRAVEL with SAND(GM)	5.6	NP	NP	NP		
☒ 489	942	1.2 to	SILTY SAND with GRAVEL(SM)	6.2	NP	NP	NP		
▲ 491	944	4.1 to	SILTY SAND with GRAVEL(SM)	7.9	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
● 488	941	100.0	100.0	87.5	82.7	76.7	69.3	64.2	54.0	47.0	38.6	32.5	27.5	23.4	19.2	46.0	34.8	19.2	
☒ 489	942	100.0	100.0	100.0	95.9	91.8	87.7	84.7	75.3	67.3	56.6	48.7	41.0	33.3	26.1	24.7	49.2	26.1	
▲ 491	944	100.0	100.0	100.0	98.0	98.0	91.8	88.8	77.9	71.3	60.9	54.0	46.2	38.3	30.6	22.1	47.3	30.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



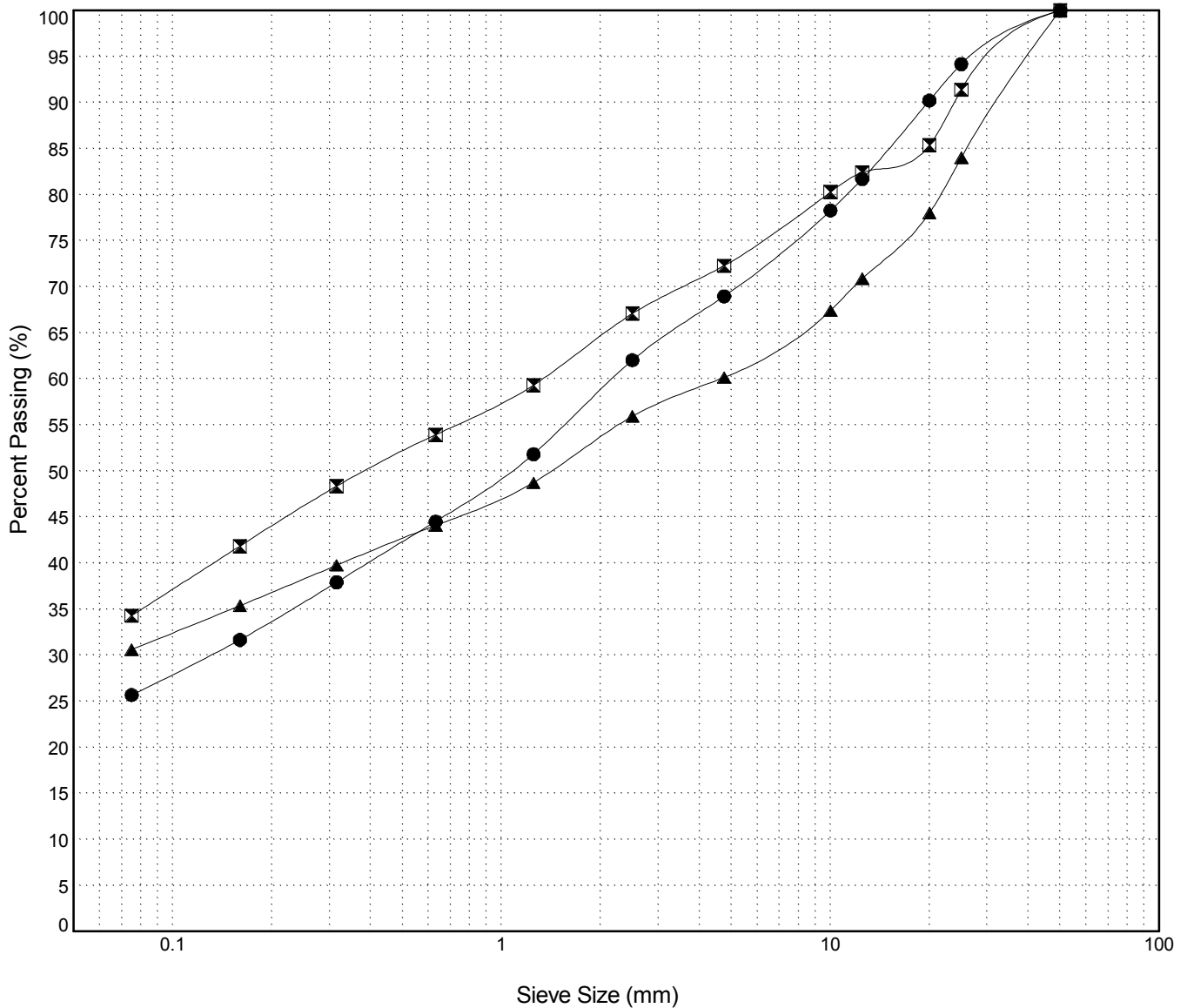
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4588
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783648m E476748m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 493	946	1.1 to	SILTY SAND with GRAVEL(SM)	7.8	NP	NP	NP		
☒ 494	947	2.6 to	SILTY SAND with GRAVEL(SM)	8.6	NP	NP	NP		
▲ 495	948	4.1 to	SILTY GRAVEL with SAND(GM)	6.8	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
● 493	946	100.0	100.0	100.0	100.0	94.2	90.2	81.7	78.3	69.0	62.0	51.8	44.5	37.9	31.7	25.7	31.0	43.3	25.7	
☒ 494	947	100.0	100.0	100.0	91.4	85.3	82.4	80.3	72.3	67.1	59.3	53.9	48.4	41.8	34.3	27.7	38.0	34.3		
▲ 495	948	100.0	100.0	100.0	84.0	78.0	70.9	67.4	60.1	55.9	48.7	44.1	39.8	35.4	30.6	39.9	29.5	30.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



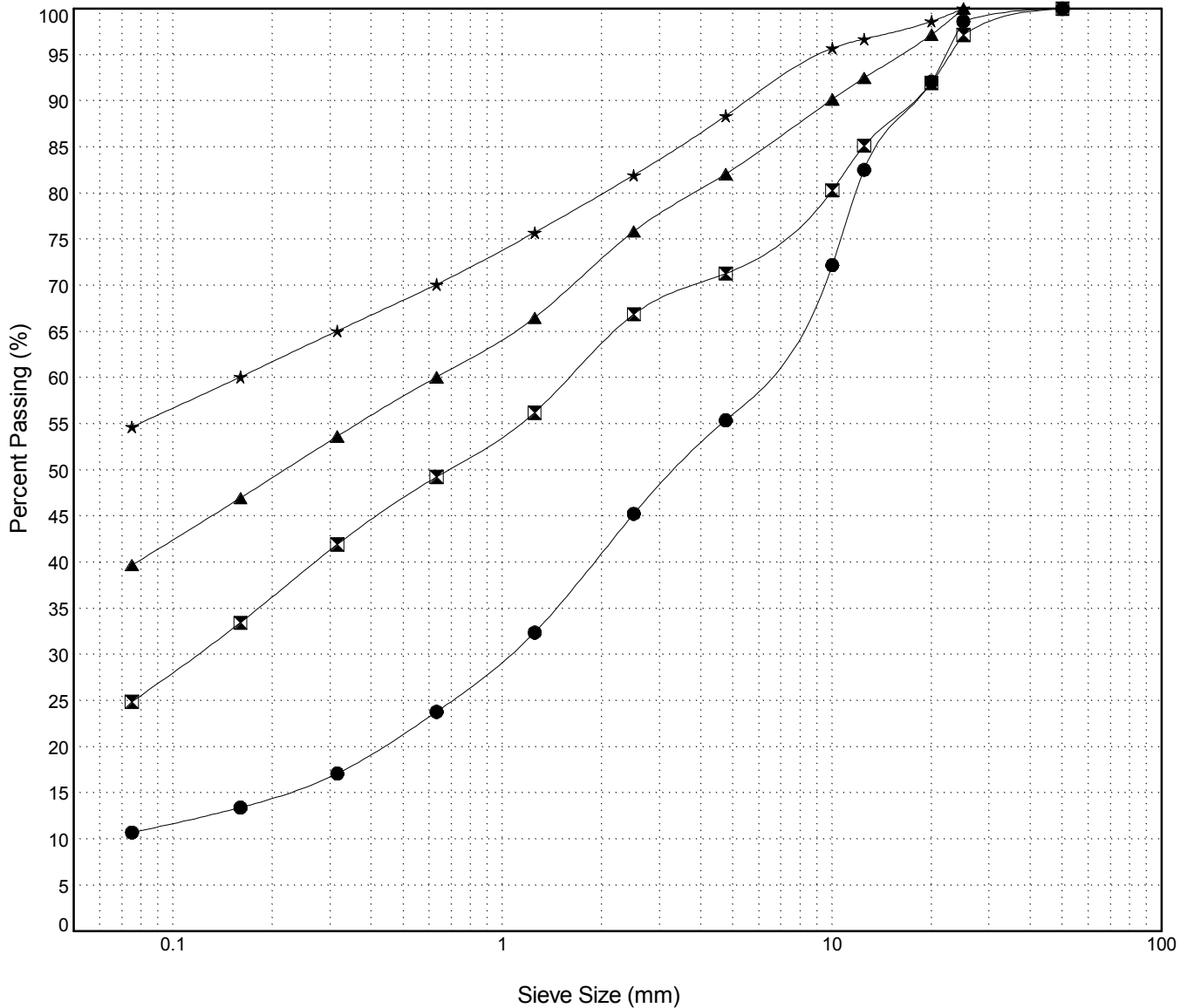
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4589
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783813m E476636m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 496	949	0.1 to	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.7	NP	NP	NP	3.0	94.7
☒ 497	950	1.2 to	SILTY SAND with GRAVEL(SM)	8.0	NP	NP	NP		
▲ 498	951	1.9 to	SILTY SAND with GRAVEL(SM)	11.5	NP	NP	NP		
★ 500	953	4.0 to	SANDY SILT(ML)	13.1	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
● 496	949	100.0	100.0	100.0	98.6	92.1	82.5	72.2	55.4	45.3	32.4	23.8	17.1	13.4	10.7	44.6	44.7	10.7	
☒ 497	950	100.0	100.0	100.0	97.2	92.0	85.1	80.3	71.3	66.9	56.2	49.2	41.9	33.5	24.9	28.7	46.4	24.9	
▲ 498	951	100.0	100.0	100.0	100.0	97.2	92.5	90.2	82.1	75.9	66.5	60.1	53.6	47.0	39.7	17.9	42.4	39.7	
★ 500	953	100.0	100.0	100.0	100.0	98.6	96.7	95.7	88.4	82.0	75.7	70.1	65.1	60.1	54.7	11.6	33.7	54.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



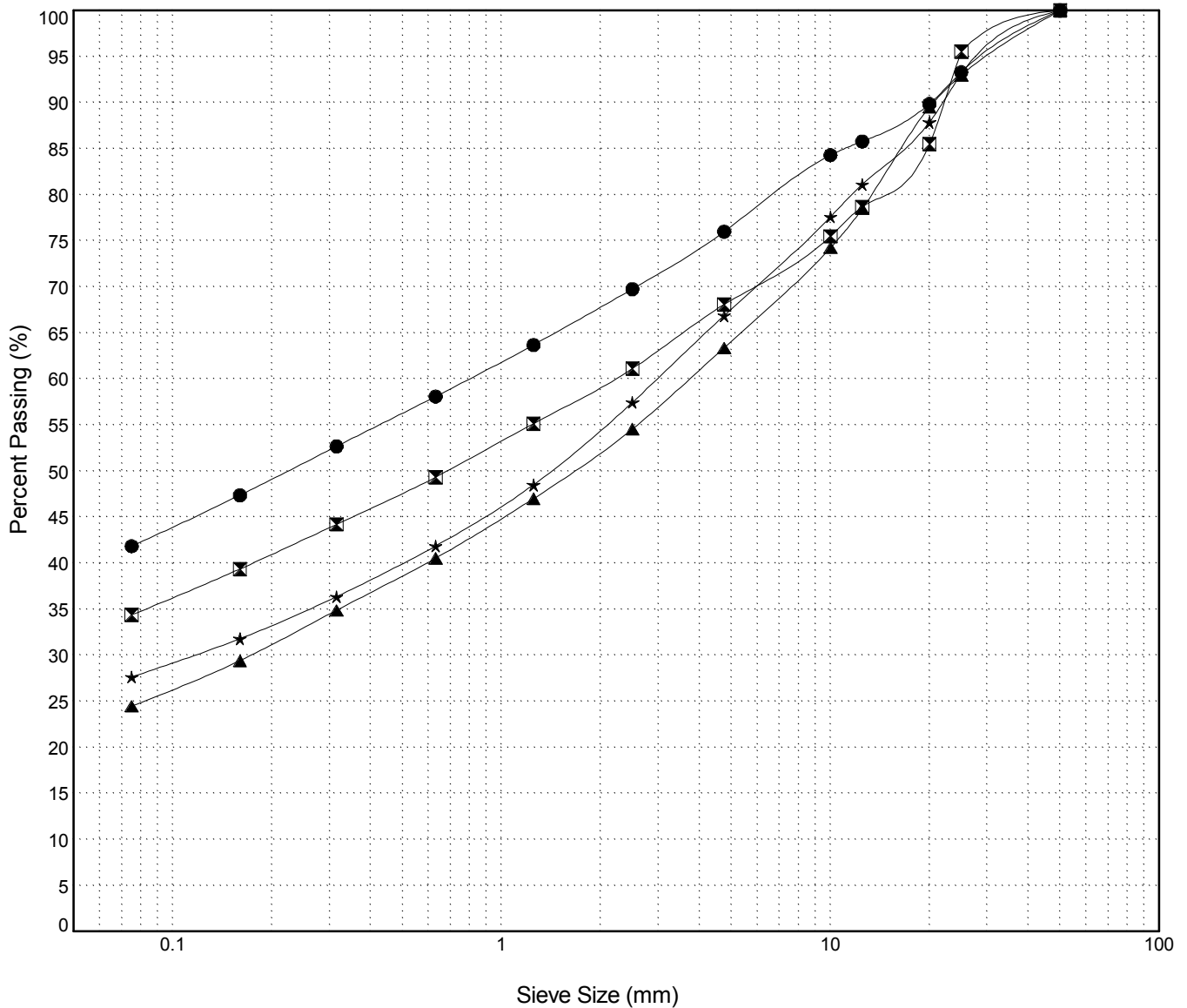
GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 810-4590
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6783977m E476522m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 501	954	0.1 to	SILTY SAND with GRAVEL(SM)	6.7	NP	NP	NP		
☒ 502	955	0.7 to	SILTY SAND with GRAVEL(SM)	11.9	NP	NP	NP		
▲ 504	957	2.8 to	SILTY SAND with GRAVEL(SM)	7.8	NP	NP	NP		
★ 505	958	4.2 to	SILTY SAND with GRAVEL(SM)	10.4	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
● 501	954	100.0	100.0	100.0	93.3	89.8	85.8	84.3	76.0	69.7	63.7	58.1	52.7	47.4	41.8	24.0	34.1	41.8	
☒ 502	955	100.0	100.0	100.0	95.5	85.5	78.7	75.5	68.1	61.1	55.1	49.3	44.2	39.4	34.4	31.9	33.7	34.4	
▲ 504	957	100.0	100.0	100.0	92.9	89.5	78.5	74.2	63.4	54.5	47.0	40.5	34.9	29.4	24.5	36.6	38.9	24.5	
★ 505	958	100.0	100.0	100.0	93.1	87.8	81.1	77.6	66.9	57.4	48.5	41.9	36.4	31.8	27.6	33.1	39.2	27.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Centreline Drilling Project	SOURCE/TP#: 811-4591
Gateway Drilling	km 118-143	PROJECT NO: 552-202104-2035-0661-1
B61 150mm Solid Stem	Coordinates:Z09V N6762020m E485070m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 506	959	0.1 to	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.0	NP	NP	NP	2.7	62.9
☒ 507	960	1.3 to	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	3.9	NP	NP	NP	3.2	149.6
▲ 508	961	2.8 to	SILTY GRAVEL with SAND(GM)	9.4	NP	NP	NP		
★ 509	962	4.4 to	SILTY SAND with GRAVEL(SM)	12.0	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
● 506	959	100.0	100.0	100.0	100.0	93.0	81.8	70.9	60.4	43.6	32.5	24.1	17.4	12.9	10.1	8.0	56.4	35.6	8.0	
☒ 507	960	100.0	100.0	100.0	88.8	78.6	72.2	66.6	53.1	42.3	32.5	23.9	18.0	14.4	11.7	8.0	46.9	41.4	11.7	
▲ 508	961	100.0	100.0	100.0	91.9	89.0	78.8	74.2	60.1	49.5	39.9	32.6	28.0	24.6	21.5	8.0	39.9	38.6	21.5	
★ 509	962	100.0	100.0	100.0	93.3	91.8	86.7	82.6	72.3	63.3	54.5	48.0	42.5	38.2	33.7	8.0	27.7	38.5	33.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

