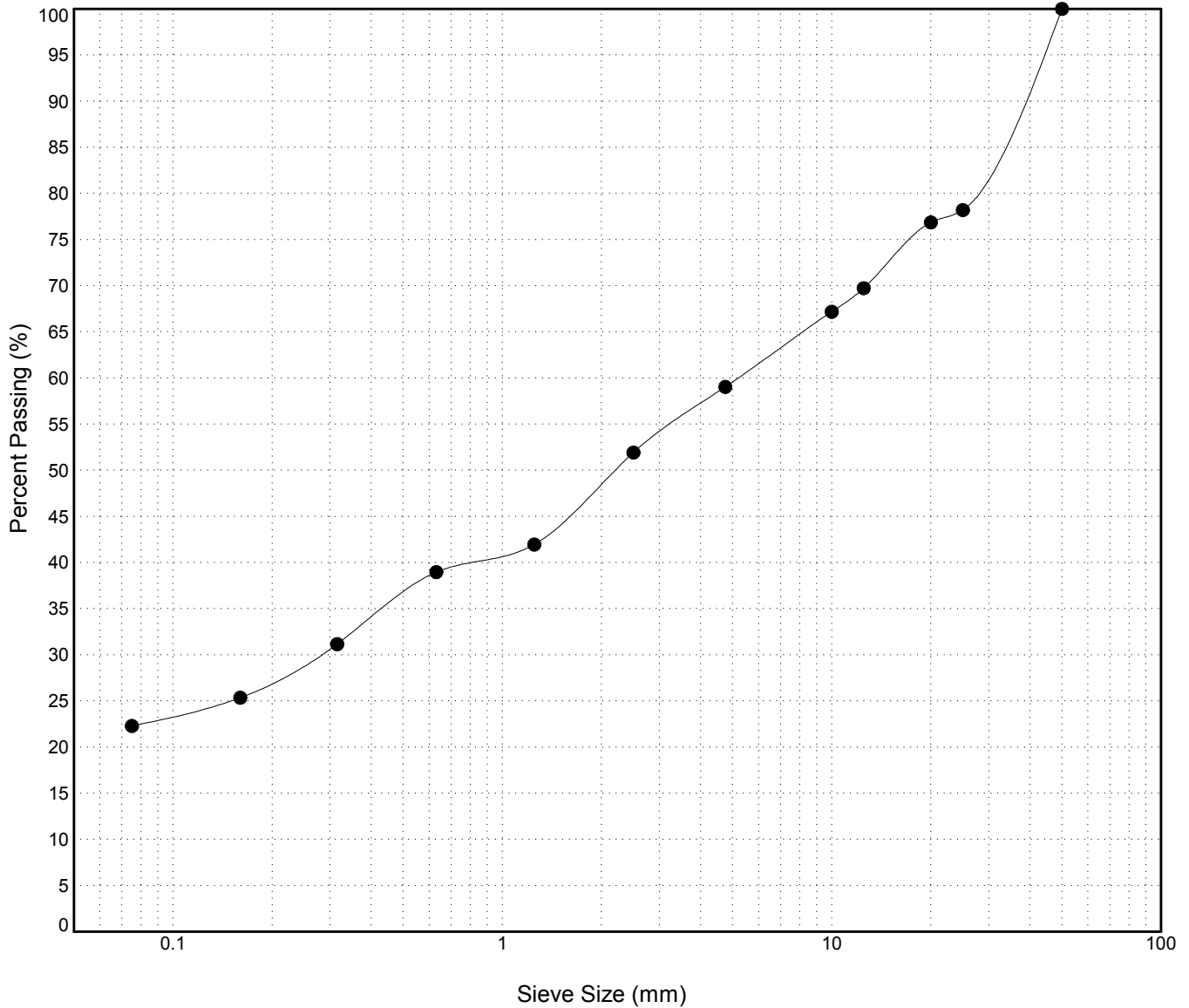


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4847
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090909.4519723m E479848.0754851	ELEVATION: 789.947876m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H ₂ O	LL	PL	PI	C _c	C _u		
● 2	582	2.1 to 2.3	SILTY GRAVEL with SAND(GM)											8.7	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				
● 2	582	% PASSING	100.0	100.0	100.0	78.2	76.9	69.7	67.2	59.0	51.9	42.0	39.0	31.2	25.4	22.3	41.0	36.7	22.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



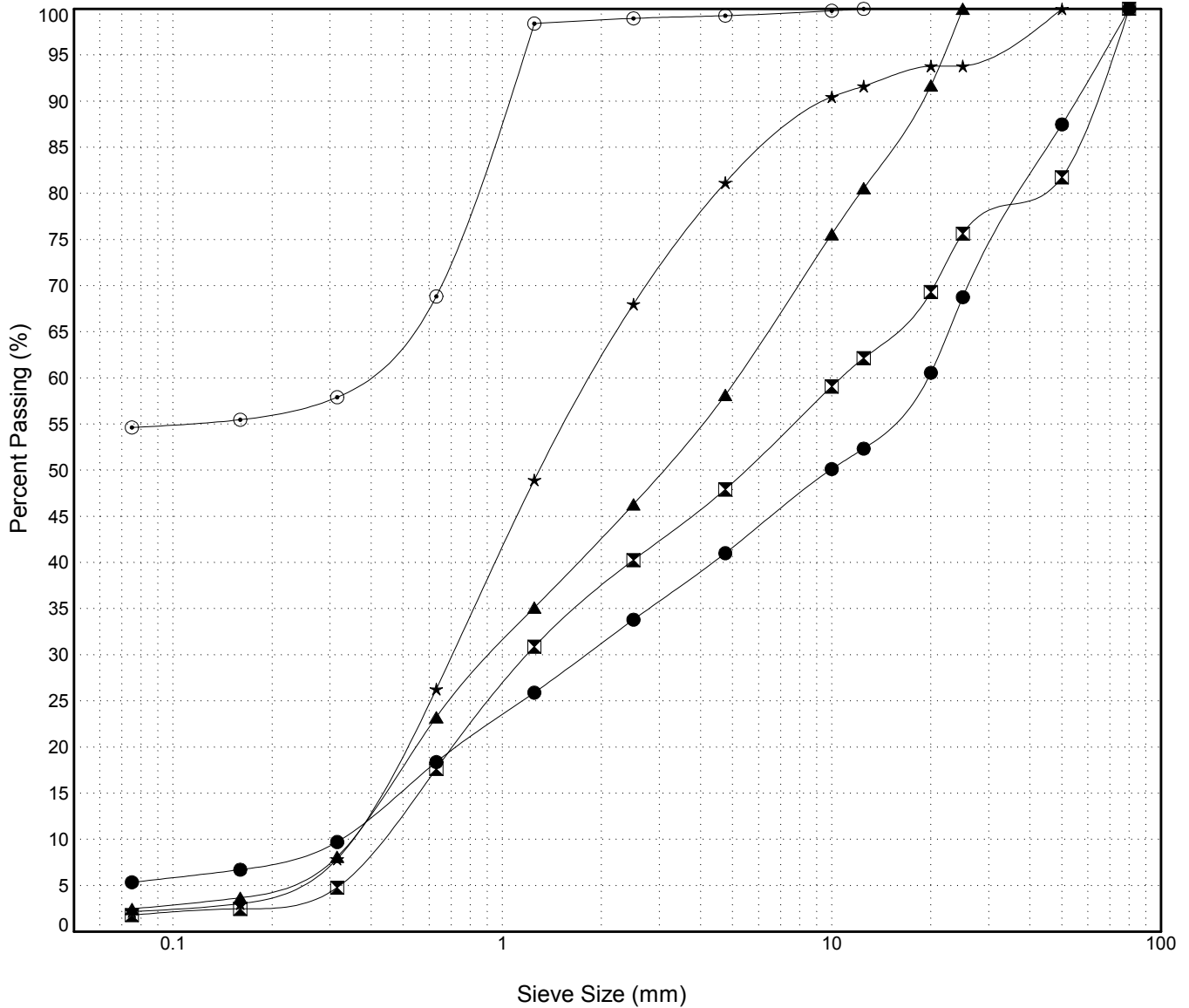
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4850
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7090944.92961129m E479824.387520	ELEVATION: 794.770081m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 3	583	0.7 to 1.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	5.0	NP	NP	NP	0.5	60.1
☒ 4	584	1.7 to 2.0	POORLY GRADED GRAVEL with SAND(GP)	4.1	NP	NP	NP	0.3	25.6
▲ 5	585	2.7 to 3.0	POORLY GRADED SAND with GRAVEL(SP)	5.7	NP	NP	NP	0.5	15.0
★ 6	586	3.3 to 3.6	POORLY GRADED SAND with GRAVEL(SP)	6.9	NP	NP	NP	0.8	5.5
⊙ 7	587	4.0 to 4.2	SANDY SILT(ML)	19.0	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
● 3	583	100.0	98.3	87.5	68.8	60.6	52.3	50.1	41.0	33.8	25.9	18.4	9.7	6.7	5.4	57.3	35.7	5.4	5.4
☒ 4	584	100.0	97.5	81.8	75.6	69.3	62.1	59.1	47.9	40.3	30.9	17.6	4.8	2.5	1.8	49.6	46.1	1.8	1.8
▲ 5	585	100.0	100.0	100.0	100.0	91.7	80.6	75.6	58.2	46.3	35.1	23.2	8.1	3.7	2.5	41.8	55.7	2.5	2.5
★ 6	586	100.0	100.0	100.0	93.8	93.8	91.6	90.5	81.2	68.0	49.0	26.3	7.9	3.0	2.2	18.8	79.0	2.2	2.2
⊙ 7	587	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.3	99.0	98.4	68.8	57.9	55.5	54.6	0.7	44.6	54.6	54.6

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



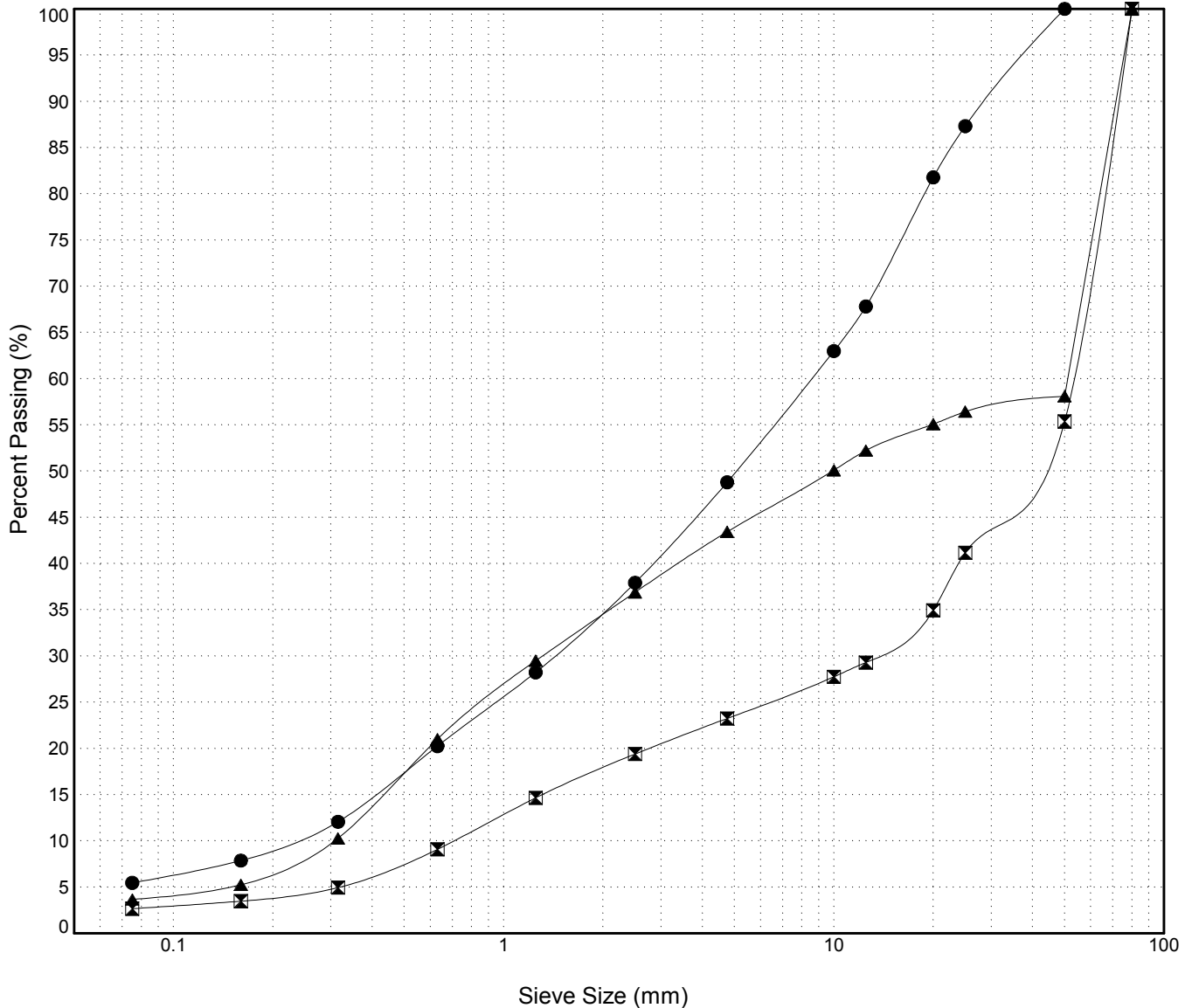
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4851
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090904.89405099m E479777.373287	ELEVATION: 789.974243m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 8	588	0.4 to 0.8	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.9	NP	NP	NP	1.0	37.9
☒ 9	589	1.8 to 2.1	POORLY GRADED GRAVEL with SAND(GP)	2.4	NP	NP	NP	4.7	74.4
▲ 10	590	3.5 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	6.3	NP	NP	NP	0.1	168.2

Field #	Lab #	% PASSING	% Breakdown													Gravel	Sand	Silt	Clay
			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				
● 8	588	100.0	100.0	100.0	87.3	81.8	67.8	63.0	48.8	37.9	28.2	20.2	12.1	7.9	5.5	51.2	43.3	5.5	
☒ 9	589	100.0	93.9	55.4	41.2	34.9	29.3	27.7	23.2	19.4	14.6	9.1	4.9	3.5	2.7	70.6	20.6	2.7	
▲ 10	590	100.0	94.2	58.1	56.4	55.1	52.2	50.1	43.4	36.9	29.5	21.0	10.3	5.2	3.7	50.8	39.8	3.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



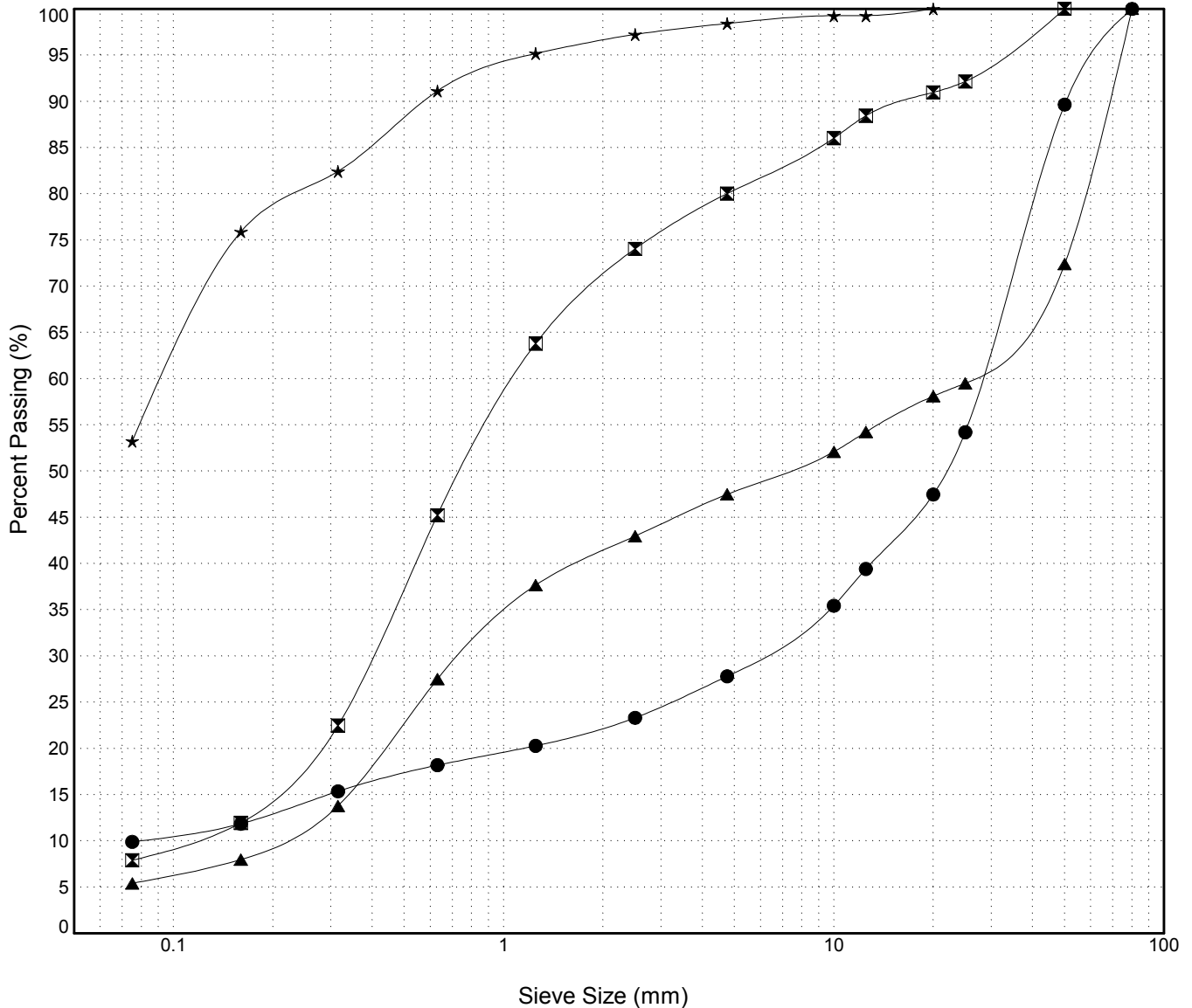
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4852
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090965.53296793m E479774.531005	ELEVATION: 789.155151m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 11	591	0.4 to 0.8	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.1	NP	NP	NP	15.8	358.0
☒ 12	592	1.3 to 1.7	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.7	NP	NP	NP	1.3	9.8
▲ 13	593	2.6 to 3.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.4	NP	NP	NP	0.1	126.7
★ 14	594	3.6 to 4.0	SANDY SILT(ML)	21.4	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
● 11	591	100.0	98.6	89.7	54.2	47.5	39.4	35.4	27.8	23.3	20.3	18.2	15.4	11.8	9.9	70.8	17.9	9.9	
☒ 12	592	100.0	100.0	100.0	92.1	91.0	88.4	86.0	80.0	74.0	63.8	45.2	22.5	11.9	7.9	20.0	72.1	7.9	
▲ 13	593	100.0	96.2	72.4	59.5	58.1	54.2	52.1	47.5	43.0	37.7	27.5	13.8	8.0	5.4	48.7	42.1	5.4	
★ 14	594	100.0	100.0	100.0	100.0	100.0	99.3	99.3	98.4	97.2	95.2	91.1	82.4	75.9	53.2	1.6	45.2	53.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



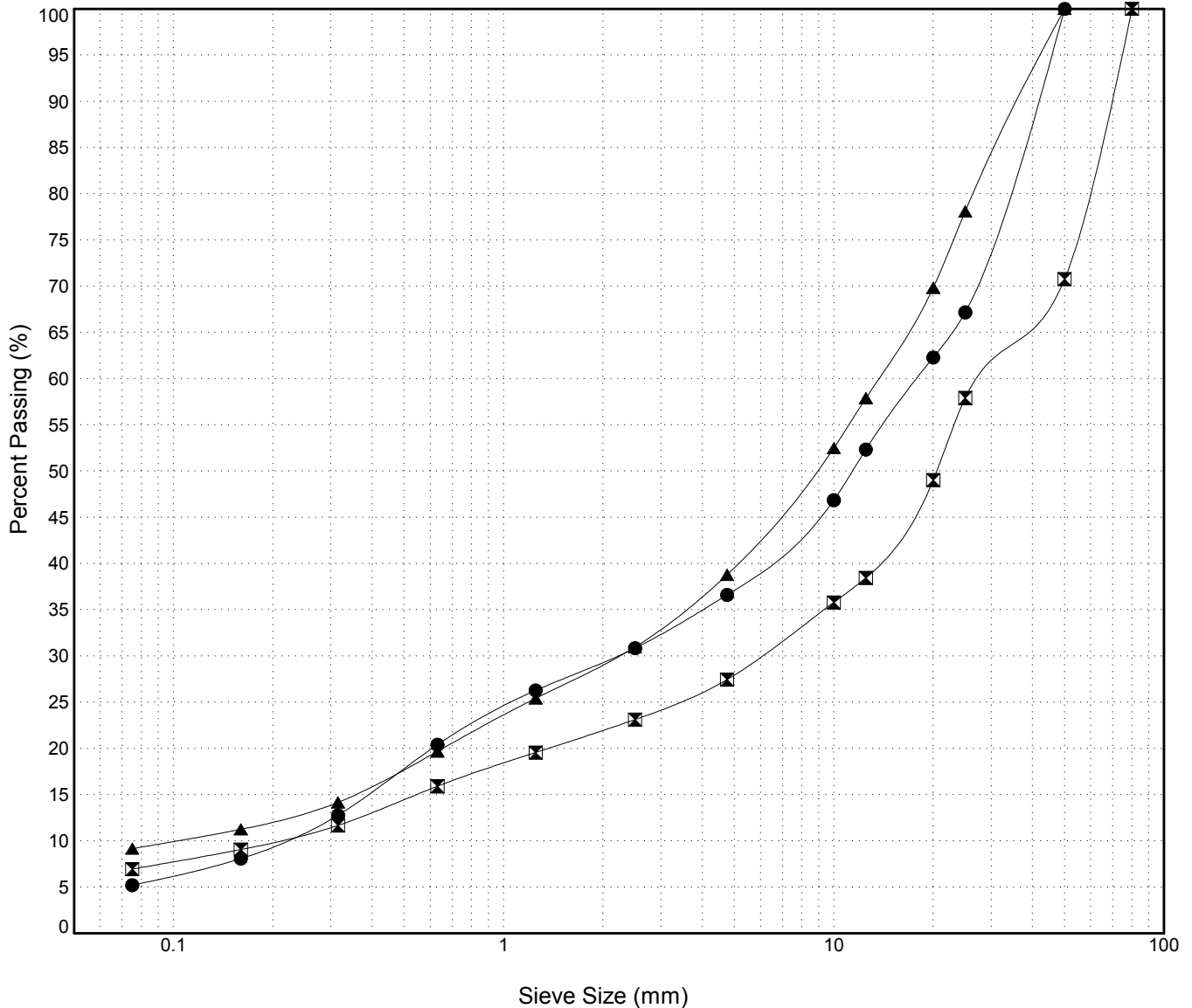
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4853
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090860.01490373m E479635.588165	ELEVATION: 785.677856m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 15	595	0.4 to 0.8	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.8	NP	NP	NP	1.3	85.0
☒ 16	596	1.8 to 2.2	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.6	NP	NP	NP	6.2	137.1
▲ 17	597	3.6 to 4.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	3.5	NP	NP	NP	3.6	133.6

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
● 15	595	100.0	100.0	100.0	100.0	67.2	62.3	52.3	46.9	36.6	30.8	26.3	20.4	12.8	8.1	5.2	63.4	31.4	5.2	
☒ 16	596	100.0	96.0	70.8	57.9	49.0	38.4	35.8	27.4	23.1	19.6	15.9	11.7	9.1	6.9	68.5	20.5	6.9		
▲ 17	597	100.0	100.0	100.0	78.1	69.8	57.9	52.5	38.8	31.0	25.4	19.7	14.2	11.2	9.2	61.2	29.6	9.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



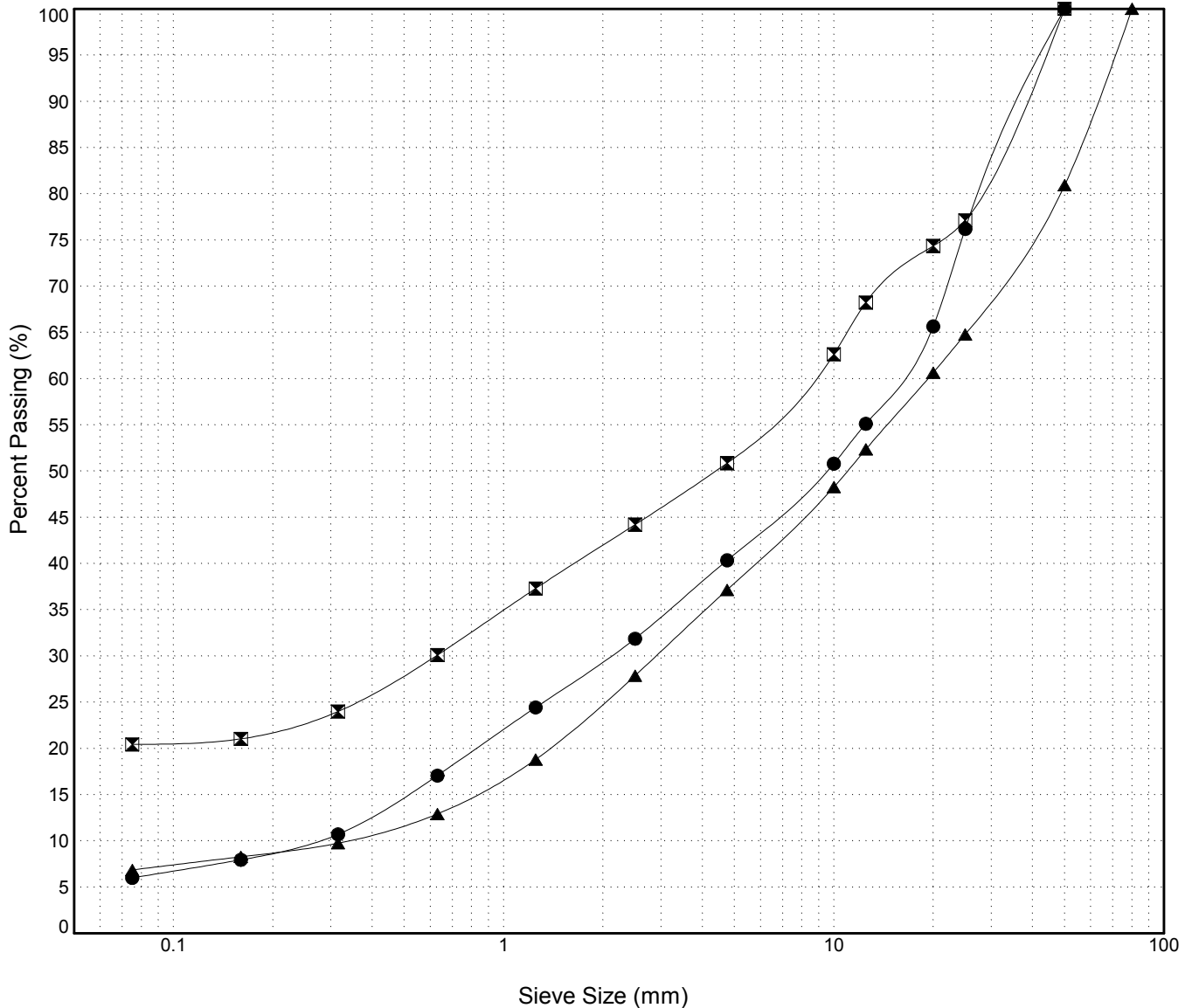
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4854
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090810.84262786m E479640.119963	ELEVATION: 799.092896m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 18	598	0.4 to 0.7	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	4.8	NP	NP	NP	1.1	58.6
☒ 19	599	1.8 to 2.2	SILTY GRAVEL with SAND(GM)	4.9	NP	NP	NP		
▲ 20	600	3.4 to 3.7	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.3	NP	NP	NP	1.3	57.8

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	Clay
● 18	598	100.0	100.0	100.0	100.0	76.2	65.7	55.1	50.8	40.3	31.9	24.4	17.1	10.7	7.9	6.0	59.7	34.3	6.0	
☒ 19	599	100.0	100.0	100.0	77.1	74.4	68.2	62.6	50.9	44.2	37.3	30.1	24.0	21.0	20.4		49.1	30.4	20.4	
▲ 20	600	100.0	97.4	80.9	64.8	60.6	52.4	48.3	37.2	27.9	18.8	12.9	9.7	8.3	6.9		60.2	30.3	6.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



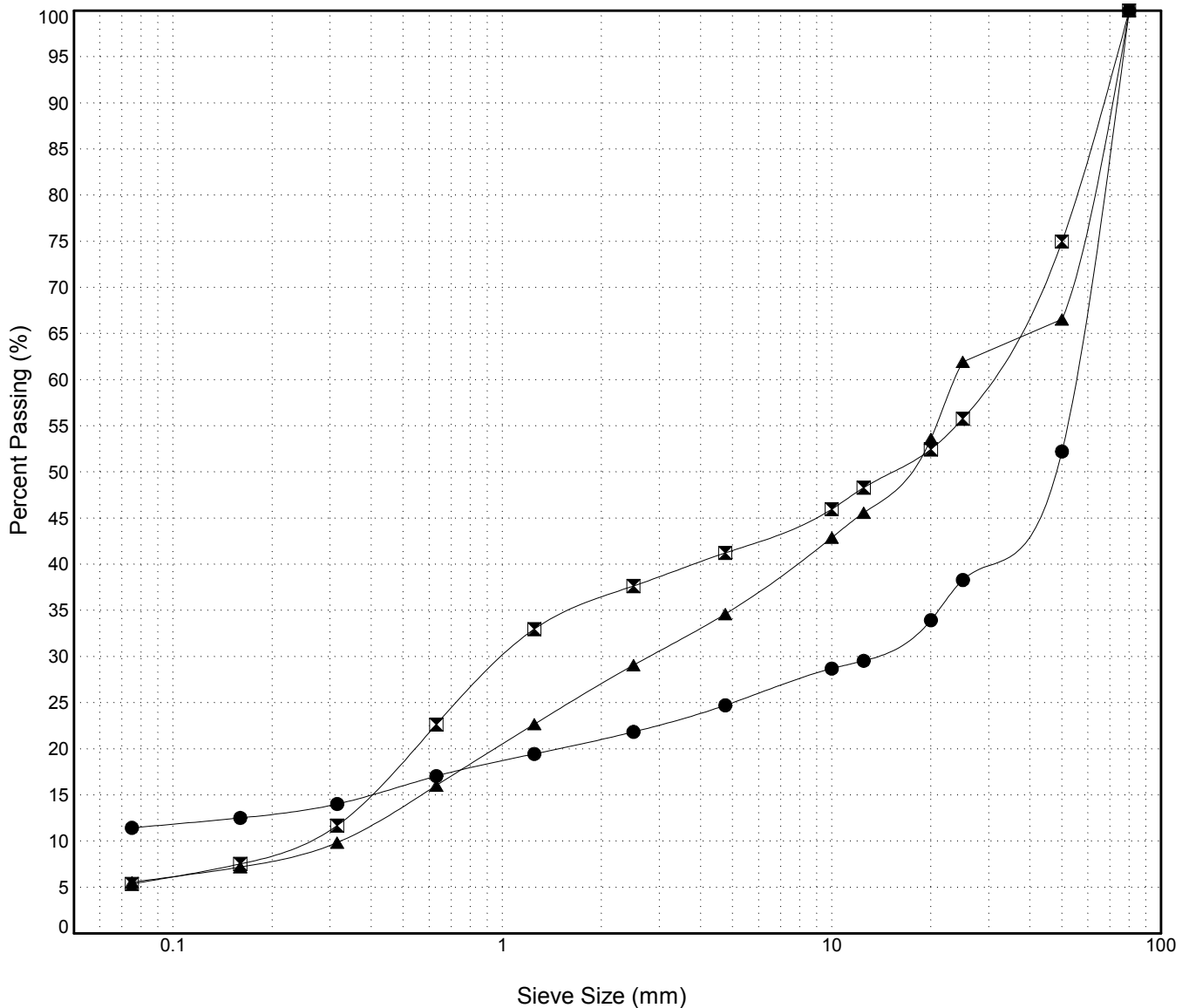
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4855
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7090793.55417075m E479608.394573	ELEVATION: 805.719849m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 21	601	0.3 to 0.6	SILTY GRAVEL(GM)	5.4	NP	NP	NP	117.2	1981.4
☒ 22	602	2.3 to 2.6	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.9	NP	NP	NP	0.2	121.6
▲ 23	603	3.9 to 4.2	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.9	NP	NP	NP	1.0	74.0

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
● 21	601	100.0	93.4	52.2	38.3	33.9	29.5	28.7	24.7	21.8	19.4	17.0	14.0	12.5	11.4	68.7	13.3	11.4	
☒ 22	602	100.0	96.6	75.0	55.8	52.5	48.3	46.0	41.2	37.6	33.0	22.6	11.7	7.5	5.4	55.3	35.9	5.4	
▲ 23	603	100.0	95.4	66.5	61.9	53.6	45.6	42.9	34.6	29.1	22.7	16.0	9.8	7.2	5.6	60.8	29.1	5.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

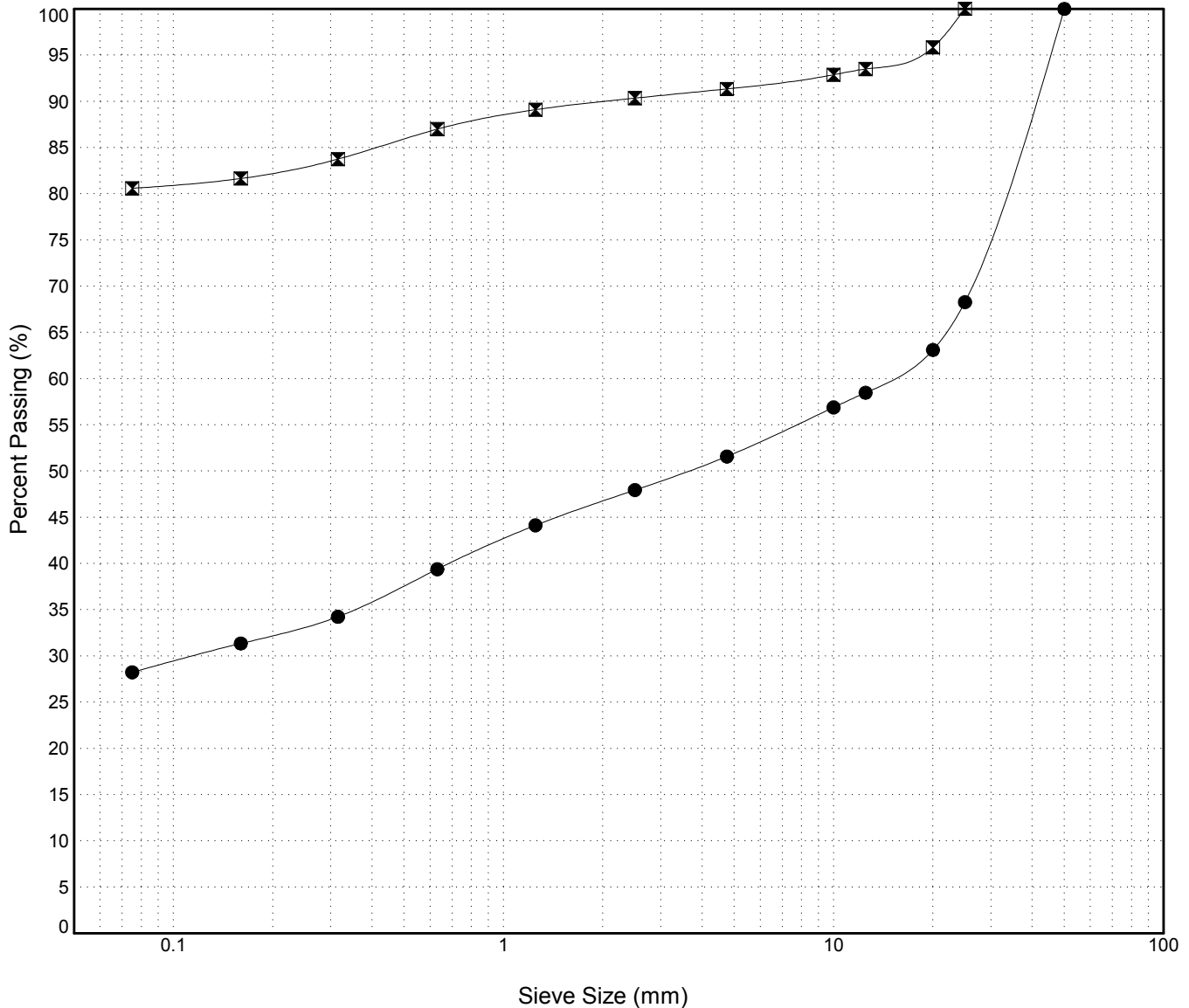


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4856
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090844.57110968m E479594.416107	ELEVATION: 798.643738m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 24	604	0.3 to 0.6	SILTY GRAVEL with SAND(GM)	7.2	NP	NP	NP													
☒ 25	605	0.8 to 1.1	SILT with SAND(ML)	34.0	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				
● 24	604	100.0	100.0	100.0	68.3	63.1	58.5	56.9	51.6	47.9	44.1	39.4	34.2	31.3	28.2	Gravel	Sand	Silt	Clay	
☒ 25	605	100.0	100.0	100.0	100.0	95.8	93.5	92.9	91.3	90.4	89.1	87.0	83.7	81.6	80.6	8.7	10.8	80.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

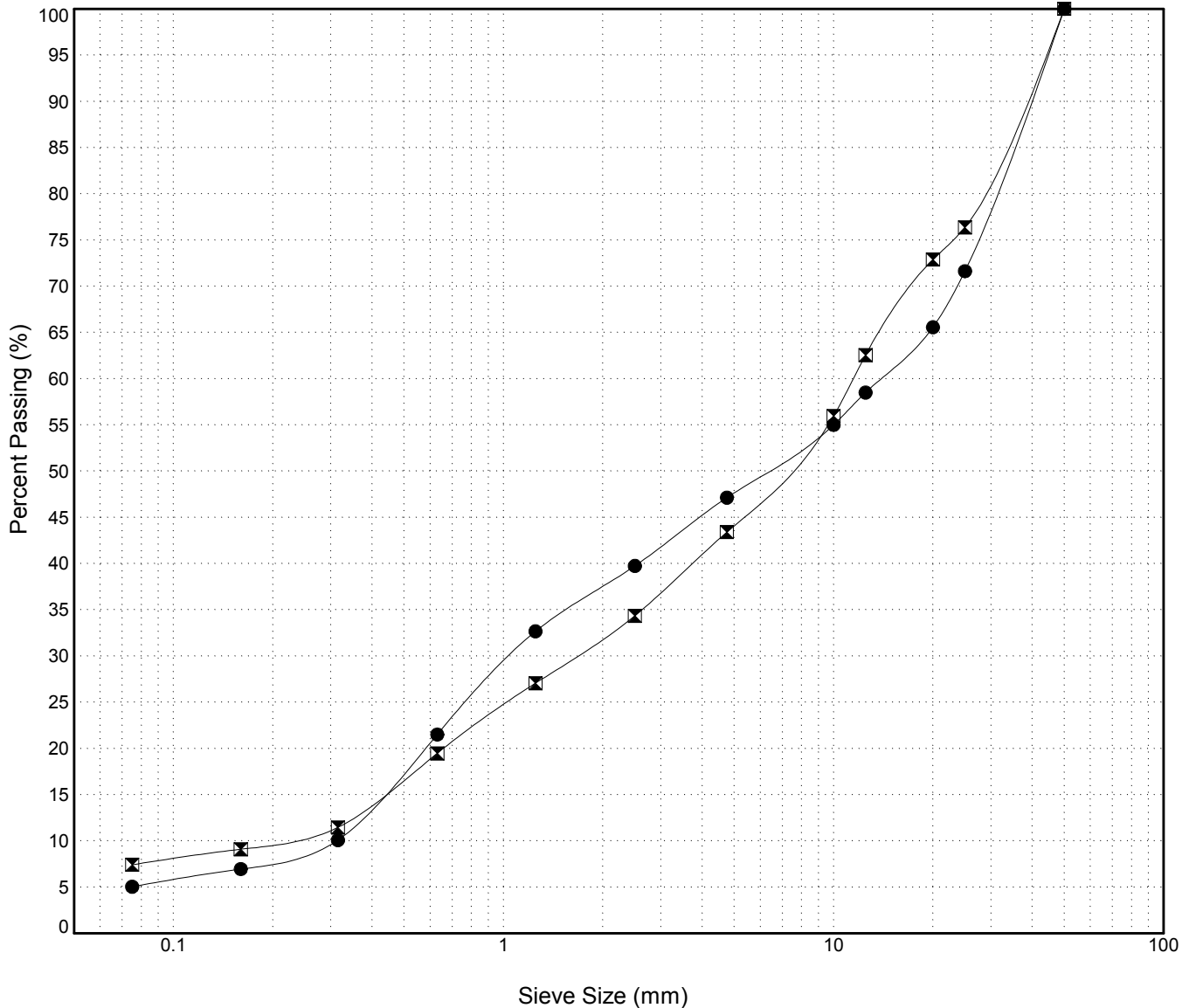


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4857
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7090761.14739839m E479622.298779	ELEVATION: 809.818115m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 26	606	1.8 to 2.1	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	4.7	NP	NP	NP	0.3	44.6											
☒ 27	607	3.0 to 3.2	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	4.8	NP	NP	NP	1.1	55.2											
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				
● 26	606	100.0	100.0	100.0	71.6	65.6	58.5	55.0	47.1	39.7	32.7	21.5	10.1	6.9	5.0	Gravel	Sand	Silt	Clay	
☒ 27	607	100.0	100.0	100.0	76.4	72.9	62.5	56.0	43.4	34.3	27.1	19.5	11.5	9.1	7.4	52.9	42.1	5.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



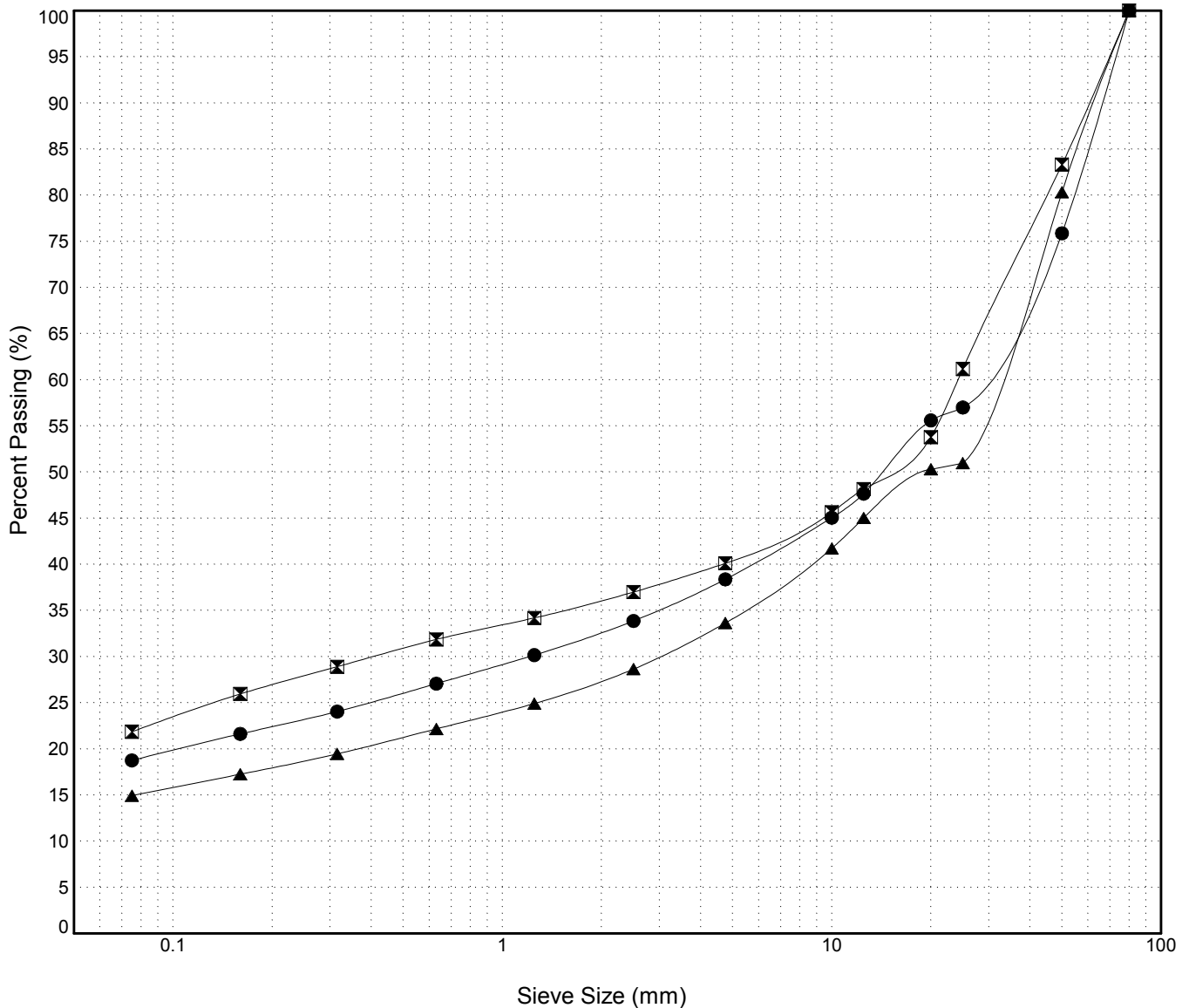
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4858
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7090724.99031603m E479562.021964	ELEVATION: 816.68811m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 29	609	0.4 to 0.8	SILTY GRAVEL with SAND(GM)	4.7	NP	NP	NP		
☒ 30	610	2.0 to 2.4	SILTY GRAVEL with SAND(GM)	5.0	NP	NP	NP		
▲ 31	611	2.6 to 2.9	SILTY GRAVEL with SAND(GM)	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
● 29	609	100.0	96.7	75.9	57.0	55.6	47.7	45.1	38.4	33.9	30.2	27.1	24.0	21.6	18.7	58.3	19.6	18.7	
☒ 30	610	100.0	97.7	83.3	61.2	53.8	48.1	45.6	40.1	37.0	34.2	31.9	28.9	26.0	21.9	57.6	18.2	21.9	
▲ 31	611	100.0	97.3	80.3	51.0	50.3	45.0	41.7	33.6	28.6	24.9	22.2	19.4	17.3	14.9	63.7	18.7	14.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

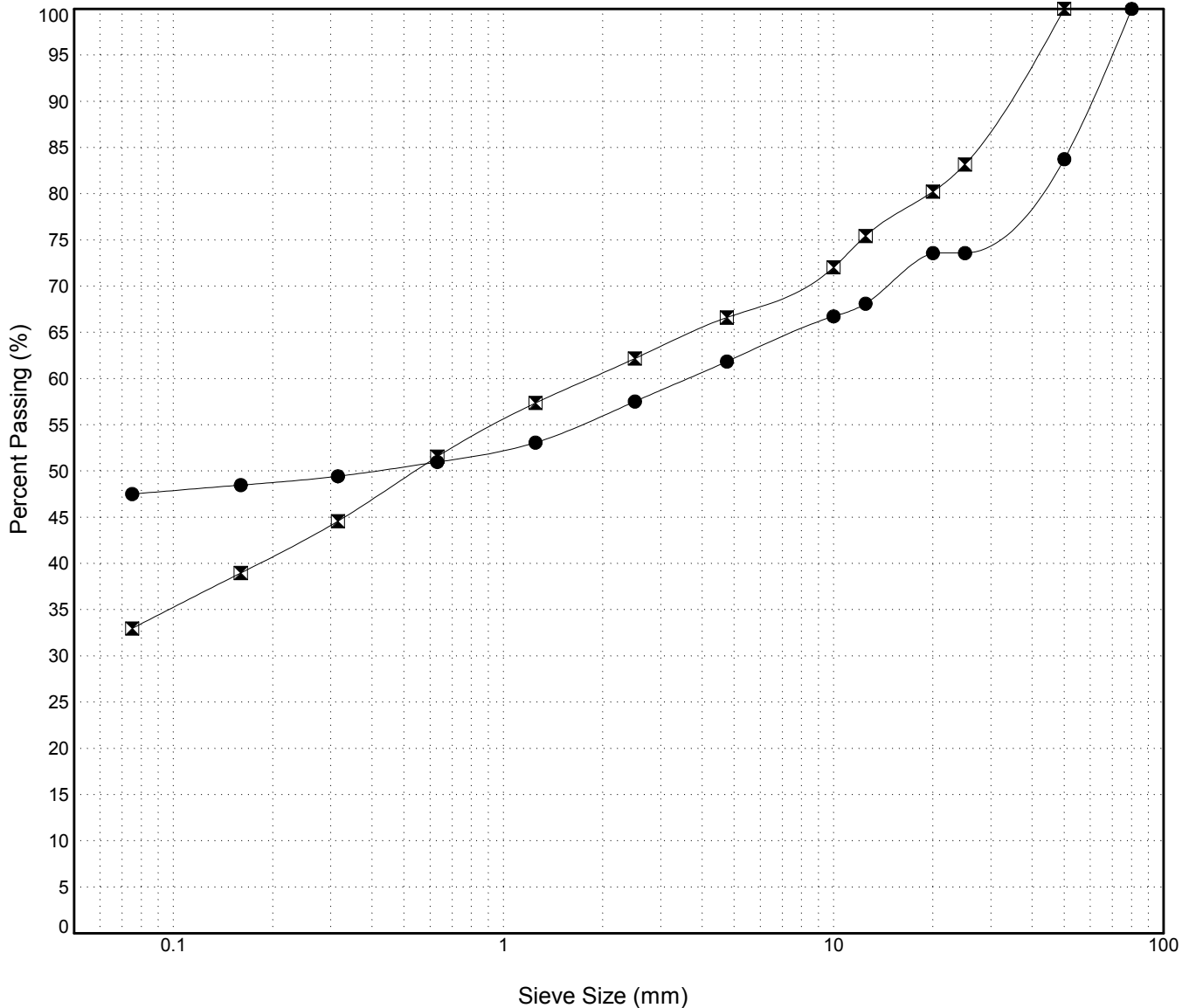


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4859
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7090700.10659088m E479465.155528	ELEVATION: 814.650879m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 32	612	0.4 to 0.7	SILTY GRAVEL(GM)	8.1	NP	NP	NP													
☒ 33	613	1.5 to 2.0	SILTY SAND with GRAVEL(SM)	2.8	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	
● 32	612	100.0	97.8	83.7	73.6	73.6	68.1	66.7	61.9	57.5	53.1	51.0	49.4	48.5	47.5	35.9	14.3	47.5		
☒ 33	613	100.0	100.0	100.0	83.2	80.2	75.4	72.0	66.6	62.2	57.4	51.6	44.6	39.0	33.0	33.4	33.6	33.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

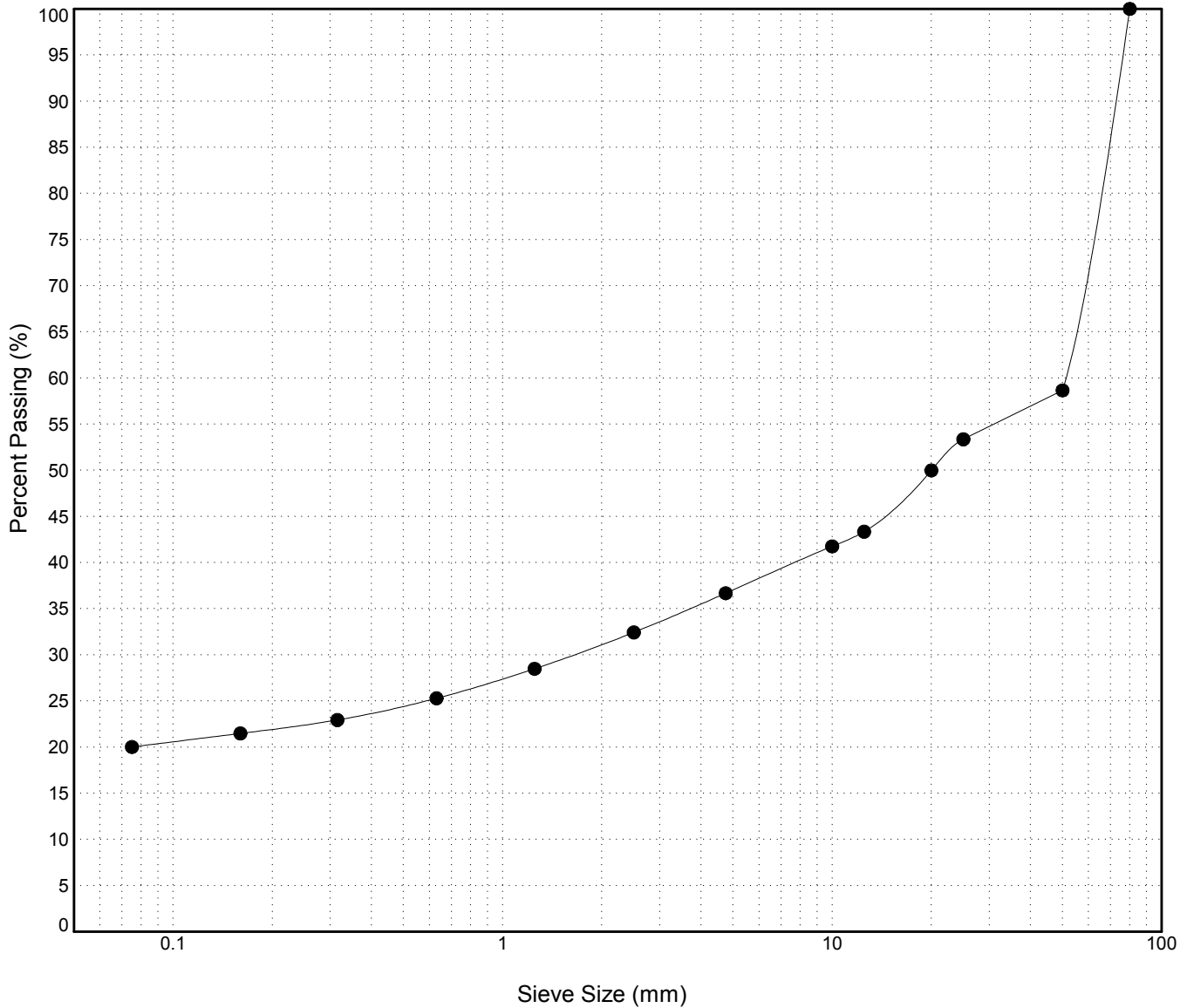


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4860
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7090685.75439994m E479410.851989	ELEVATION: 814.64032m

Master Revised July 2013

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu
● 34	614	0.4 to 0.7	SILTY GRAVEL with SAND(GM)													7.6	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					
● 34	614	100.0	94.3	58.7	53.4	50.0	43.3	41.8	36.7	32.4	28.5	25.3	22.9	21.5	20.0	Gravel	Sand	Silt	Clay		
																57.6	16.7	20.0			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

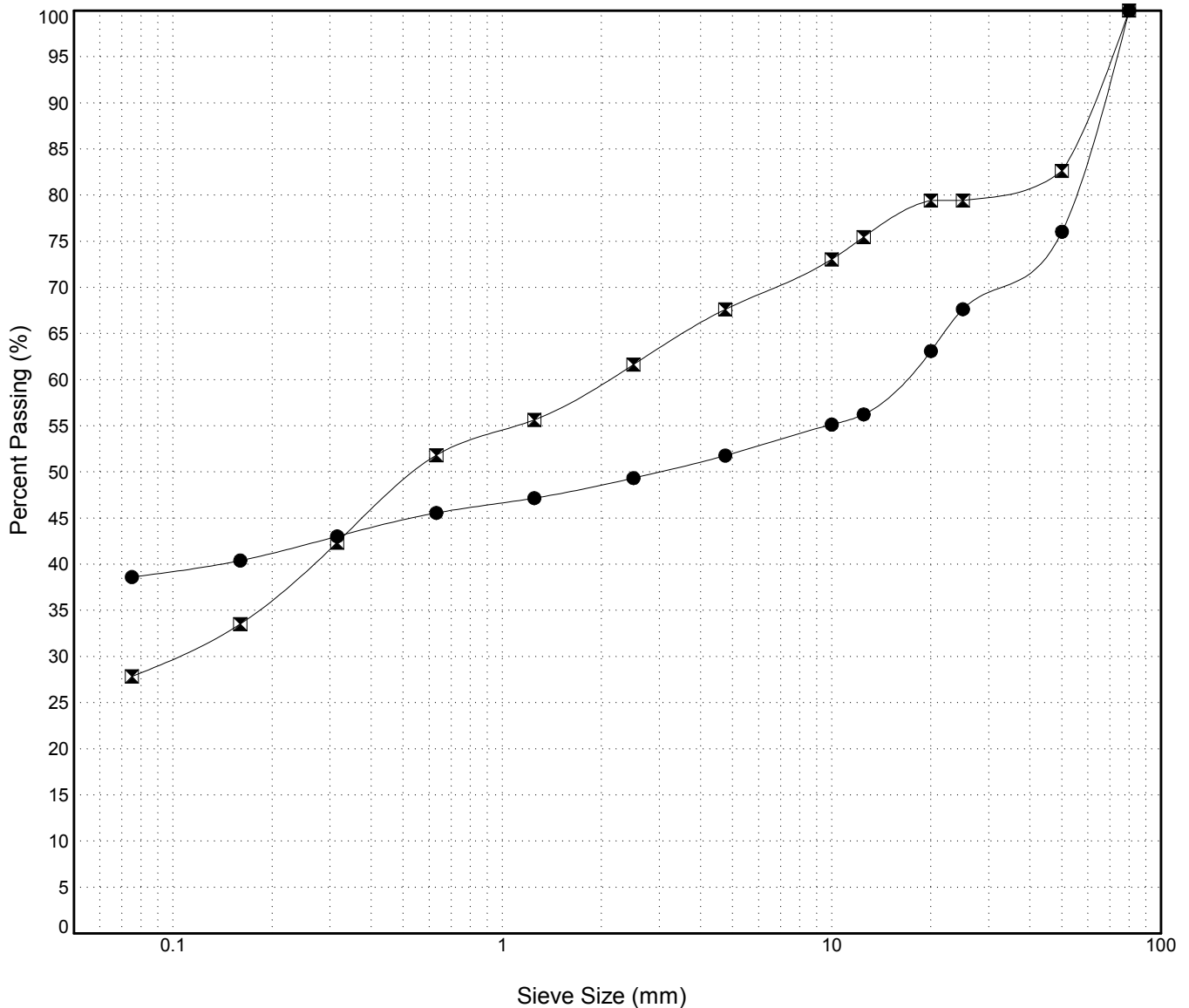


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4861
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7091241.40232014m E479609.699115	ELEVATION: 776.804932m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 36	616	0.4 to 0.7	SILTY GRAVEL(GM)											38.9	NP	NP	NP			
☒ 37	617	1.0 to 1.3	SILTY SAND with GRAVEL(SM)											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			
● 36	616	% PASSING	100.0	96.7	76.0	67.6	63.1	56.2	55.1	51.8	49.3	47.2	45.6	43.0	40.4	38.6	44.9	13.2	38.6	
☒ 37	617		100.0	97.6	82.6	79.4	79.4	75.5	73.0	67.6	61.6	55.7	51.8	42.4	33.5	27.8	30.0	39.8	27.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

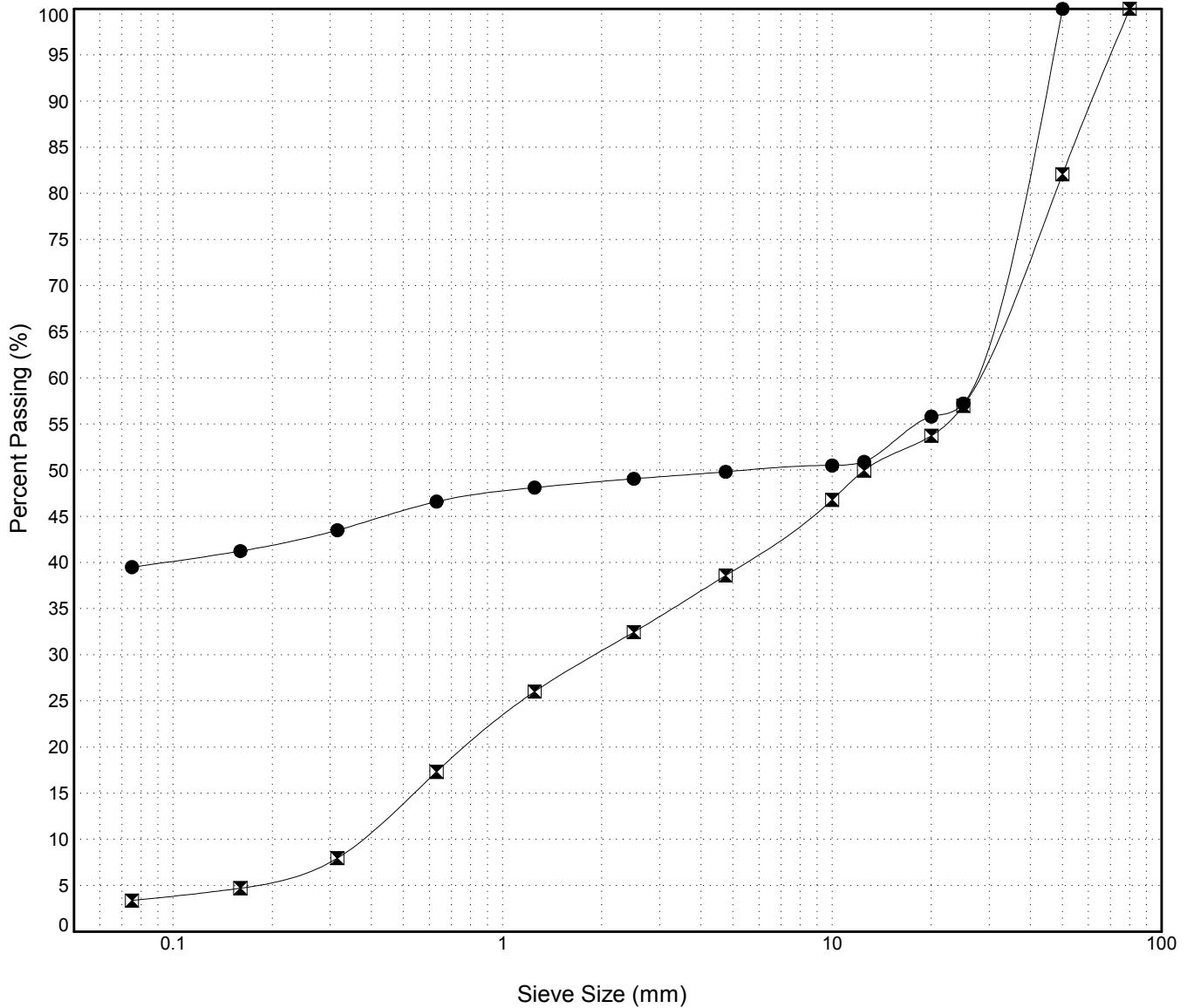


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4862
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7091238.38432818m E479559.939253	ELEVATION: 775.98053m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 38	618	0.3 to 0.7	SILTY GRAVEL(GM)	14.0	NP	NP	NP													
☒ 39	619	0.4 to 0.7	POORLY GRADED GRAVEL with SAND(GP)	4.3	NP	NP	NP	0.4	74.2											
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				
● 38	618	100.0	100.0	100.0	57.2	55.8	50.9	50.5	49.8	49.1	48.1	46.6	43.5	41.2	39.5	Gravel	Sand	Silt	Clay	
☒ 39	619	100.0	97.5	82.1	57.0	53.7	50.0	46.8	38.6	32.5	26.0	17.3	8.0	4.7	3.4	59.0	35.2	3.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



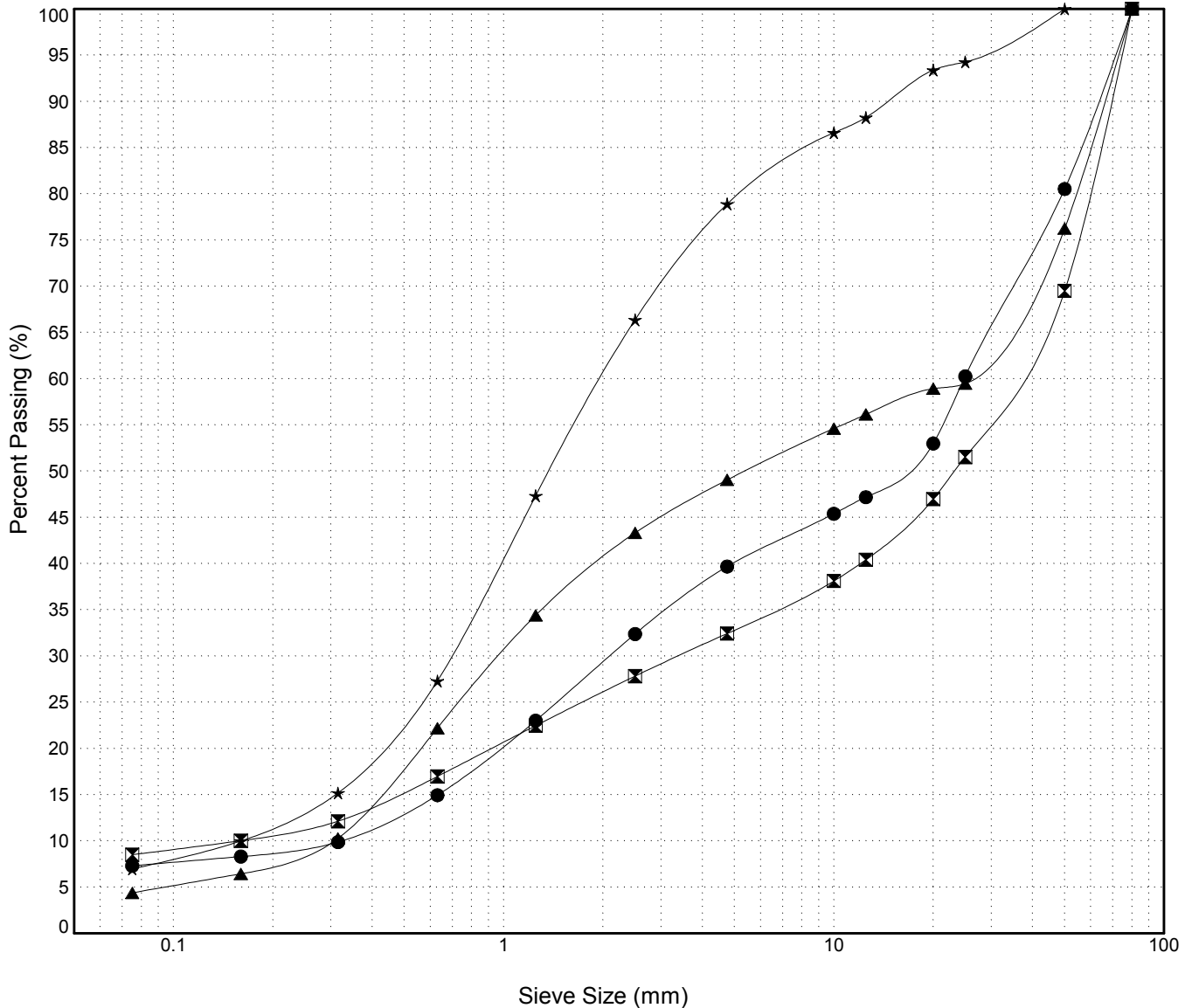
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4863
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7091278.533716m E479589.01647458r	ELEVATION: 781.244019m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 40	620	0.4 to 0.7	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.0	NP	NP	NP	0.6	77.3
☒ 41	621	1.8 to 2.2	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	87.7	NP	NP	NP	2.1	217.6
▲ 42	622	2.8 to 3.1	POORLY GRADED GRAVEL with SAND(GP)	0.9	NP	NP	NP	0.1	85.1
★ 43	623	3.6 to 3.9	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.5	NP	NP	NP	1.5	12.4

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
● 40	620	100.0	97.3	80.5	60.2	53.0	47.2	45.4	39.7	32.4	23.0	14.9	9.9	8.3	7.3	57.7	32.4	7.3	
☒ 41	621	100.0	95.8	69.5	51.5	47.0	40.4	38.1	32.4	27.8	22.5	17.0	12.1	10.0	8.5	63.4	23.9	8.5	
▲ 42	622	100.0	96.7	76.2	59.5	58.9	56.1	54.6	49.0	43.3	34.4	22.2	10.3	6.4	4.4	47.7	44.7	4.4	
★ 43	623	100.0	100.0	100.0	94.3	93.4	88.3	86.6	78.9	66.4	47.3	27.3	15.2	10.0	7.0	21.1	71.9	7.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



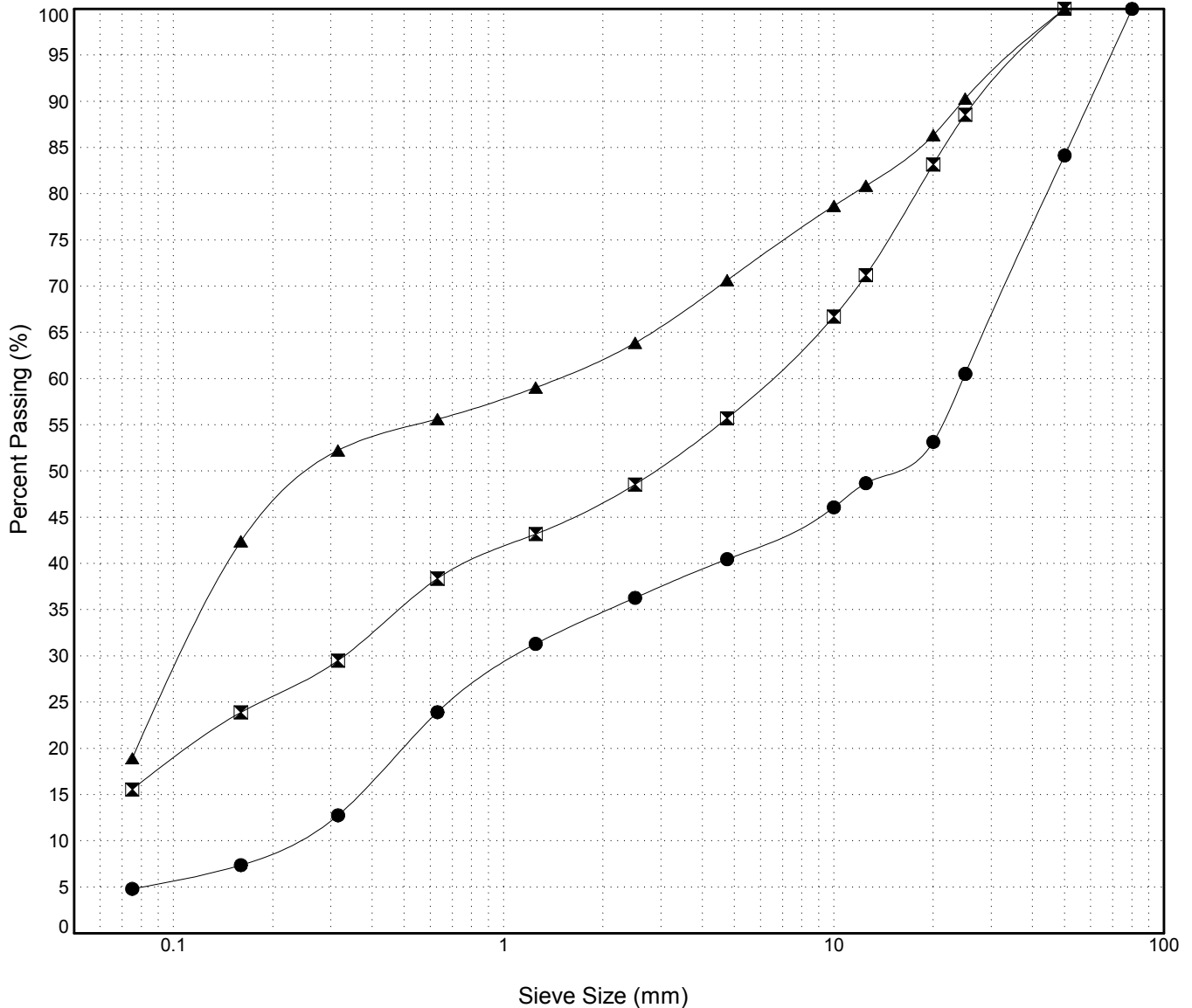
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4864
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7091308.90133544m E479563.193693	ELEVATION: 780.834473m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 44	624	0.3 to 0.7	POORLY GRADED GRAVEL with SAND(GP)	1.3	NP	NP	NP	0.2	110.6
☒ 45	625	1.6 to 2.0	SILTY GRAVEL with SAND(GM)	4.9	NP	NP	NP		
▲ 46	626	3.4 to 3.8	SILTY SAND with GRAVEL(SM)	8.0	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
● 44	624	100.0	97.8	84.1	60.5	53.2	48.7	46.1	40.5	36.3	31.3	23.9	12.8	7.4	4.8	57.4	35.7	4.8	
☒ 45	625	100.0	100.0	100.0	88.5	83.2	71.2	66.7	55.7	48.6	43.2	38.4	29.5	23.9	15.6	44.3	40.2	15.6	
▲ 46	626	100.0	100.0	100.0	90.3	86.3	80.9	78.7	70.6	63.9	59.0	55.6	52.2	42.4	18.9	29.4	51.7	18.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



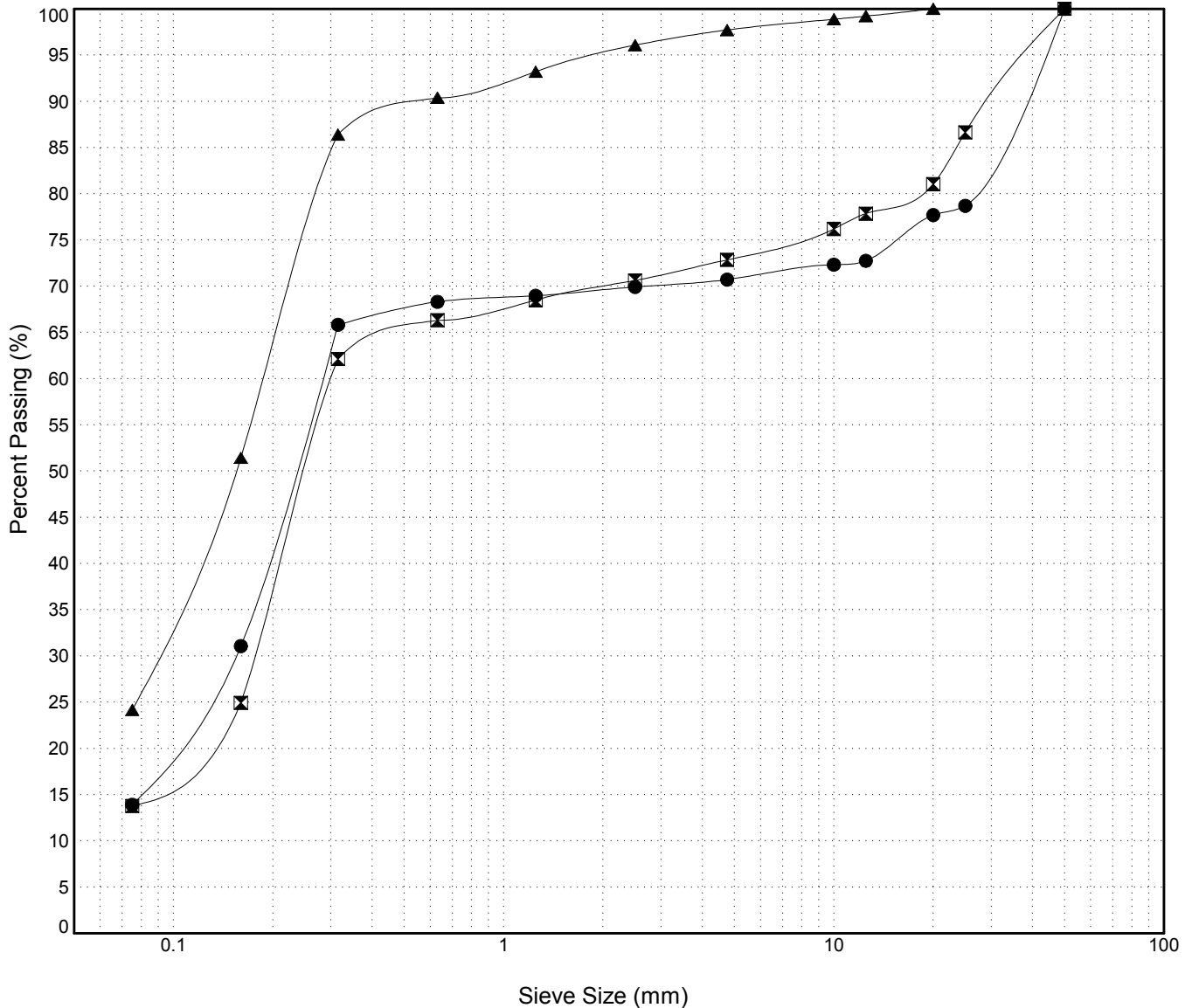
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4865
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7091285.97311134m E479507.962852	ELEVATION: 779.309875m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 47	627	0.3 to 0.3	SILTY SAND with GRAVEL(SM)	8.3	NP	NP	NP		
☒ 48	628	1.1 to 1.4	SILTY SAND with GRAVEL(SM)	7.5	NP	NP	NP		
▲ 49	629	1.5 to 1.8	SILTY SAND(SM)	19.0	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	627	100.0	100.0	100.0	78.7	77.7	72.7	72.3	70.7	69.9	69.0	68.3	65.8	31.1	13.9	29.3	56.8	13.9	
☒ 48	628	100.0	100.0	100.0	86.6	81.0	77.9	76.2	72.8	70.6	68.5	66.3	62.1	24.9	13.8	27.2	59.1	13.8	
▲ 49	629	100.0	100.0	100.0	100.0	100.0	99.2	98.9	97.7	96.1	93.2	90.4	86.4	51.4	24.2	2.3	73.6	24.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

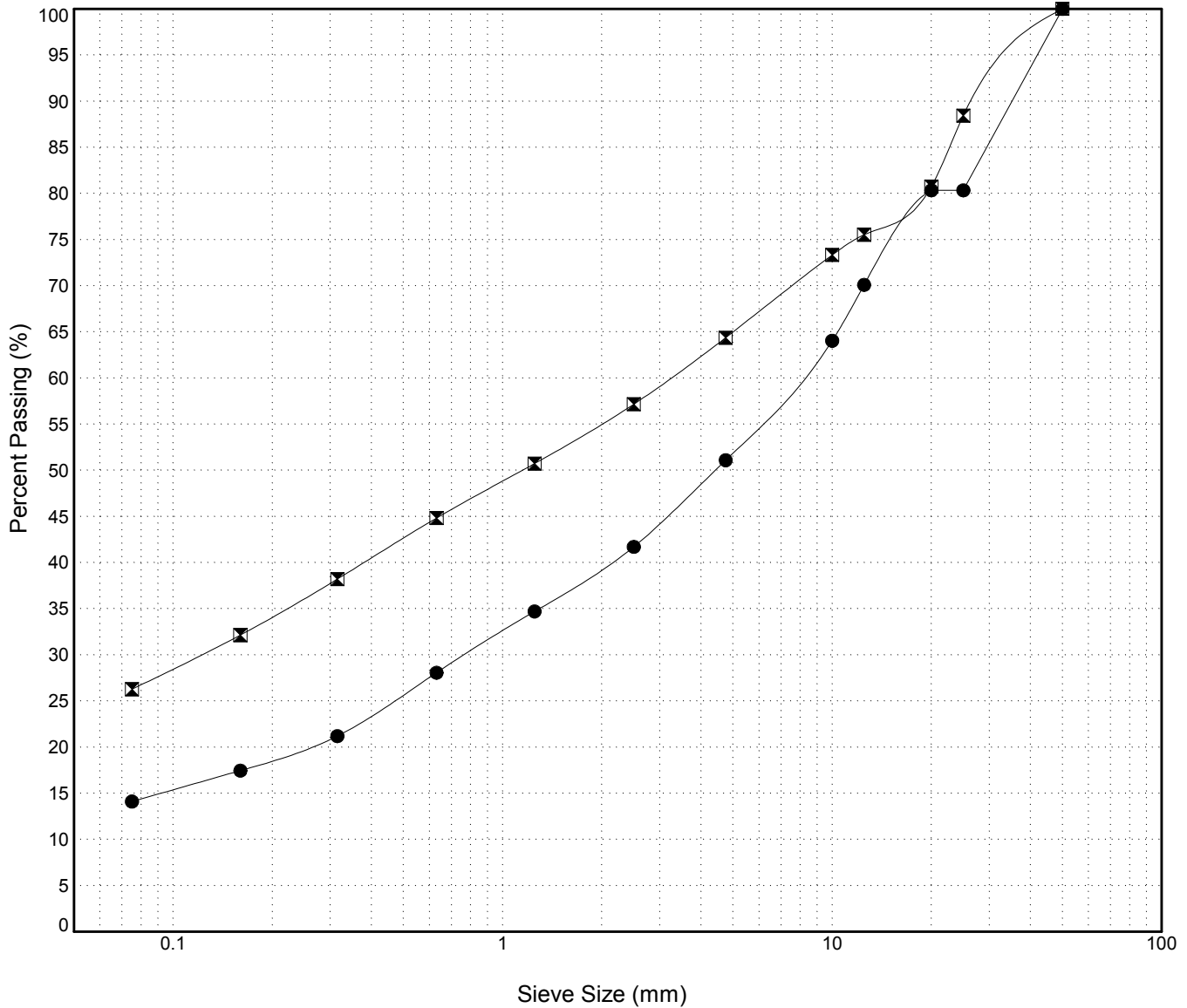


GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4866
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7091328.55098815m E479506.477910	ELEVATION: 779.497498m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 50	630	0.3 to 0.5	SILTY GRAVEL with SAND(GM)	4.7	NP	NP	NP													
☒ 51	631	1.3 to 1.6	SILTY SAND with GRAVEL(SM)	10.5	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				
● 50	630	100.0	100.0	100.0	80.3	80.3	70.1	64.0	51.1	41.7	34.7	28.1	21.2	17.5	14.1	Gravel	Sand	Silt	Clay	
☒ 51	631	100.0	100.0	100.0	88.4	80.7	75.5	73.3	64.4	57.2	50.7	44.8	38.2	32.1	26.3	35.6	38.1	14.1	26.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



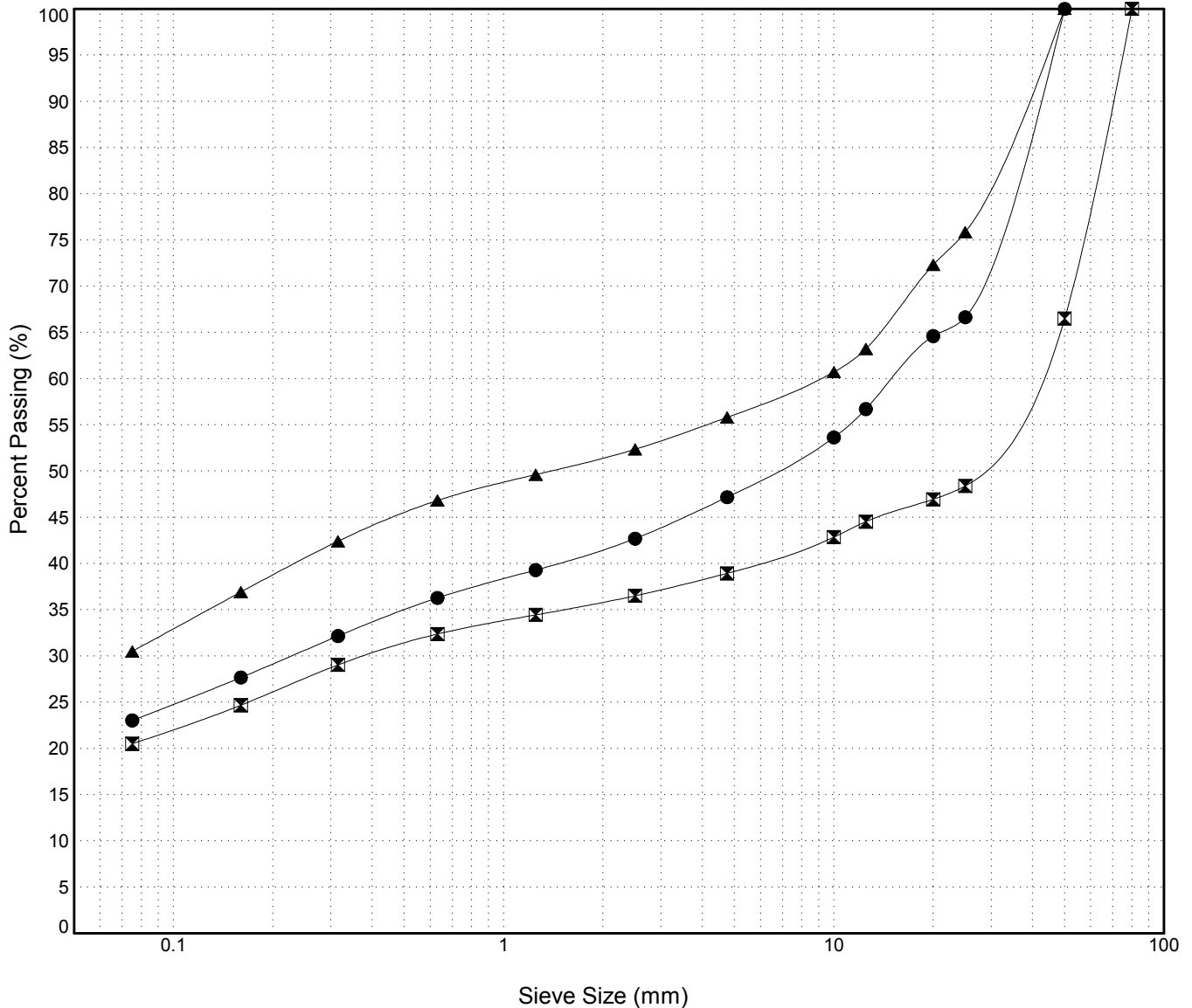
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4867
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z N7091316.69936646m E479614.747751	ELEVATION: 799.95166m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 52	632	0.3 to 0.6	SILTY GRAVEL with SAND(GM)	5.5	NP	NP	NP		
☒ 53	633	1.4 to 1.8	SILTY GRAVEL with SAND(GM)	3.1	NP	NP	NP		
▲ 54	634	3.6 to 4.0	SILTY GRAVEL with SAND(GM)	6.7	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 52	632	100.0	100.0	100.0	100.0	66.6	64.6	56.7	53.6	47.2	42.7	39.3	36.3	32.2	27.7	23.0	52.8	24.1	23.0	
☒ 53	633	100.0	95.4	66.5	48.4	46.9	44.5	42.9	38.9	36.5	34.4	32.4	29.0	24.7	20.5		56.5	18.4	20.5	
▲ 54	634	100.0	100.0	100.0	75.9	72.3	63.2	60.7	55.8	52.4	49.6	46.8	42.4	36.9	30.5		44.2	25.3	30.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



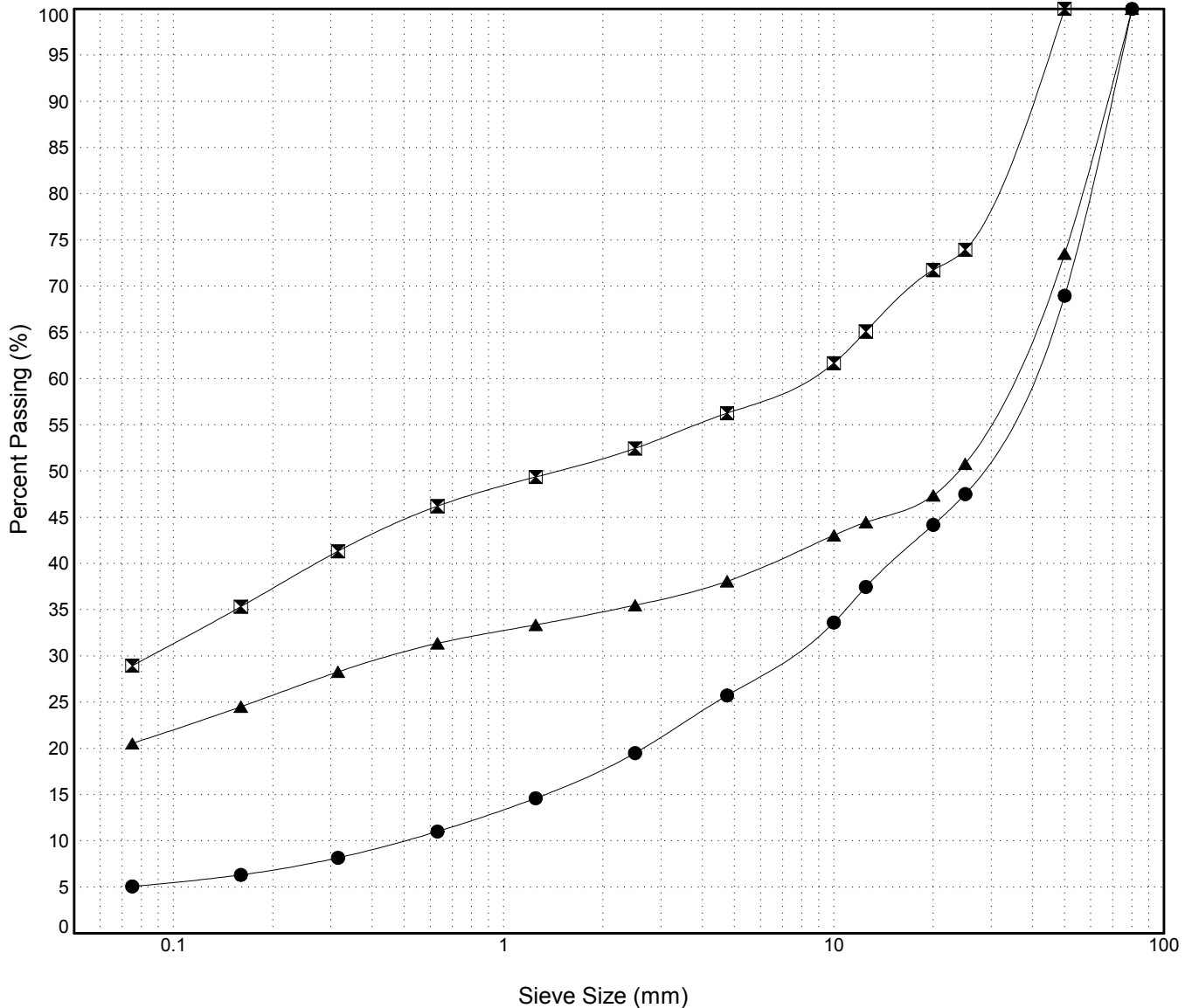
GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4868
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates:Z Nm Em	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 55	635	0.4 to 0.7	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.9	NP	NP	NP	2.7	76.0
☒ 56	636	1.7 to 2.0	SILTY GRAVEL with SAND(GM)	4.6	NP	NP	NP		
▲ 57	637	3.4 to 3.7	SILTY GRAVEL with SAND(GM)	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			
		% PASSING														Gravel	Sand	Silt	Clay
● 55	635	100.0	95.7	69.0	47.5	44.2	37.5	33.6	25.7	19.5	14.6	11.0	8.2	6.3	5.1	70.0	20.7	5.1	
☒ 56	636	100.0	100.0	100.0	73.9	71.8	65.1	61.7	56.3	52.5	49.4	46.2	41.3	35.3	28.9	43.7	27.3	28.9	
▲ 57	637	100.0	96.4	73.5	50.8	47.4	44.5	43.1	38.1	35.5	33.4	31.4	28.3	24.5	20.5	58.3	17.5	20.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Gravel Exploration	SOURCE/TP#: 840-4869
Wilfs Contracting	km 102 LHS	PROJECT NO: 552-202021-0204-2-2
CAT Excavator 325D	Coordinates: Z N7091191.1513759m E479625.8372111	ELEVATION: 802.398438m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 58	638	0.4 to 0.7	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.3	NP	NP	NP	2.8	38.3
☒ 59	639	1.3 to 1.6	POORLY GRADED GRAVEL with SAND(GP)	2.1	NP	NP	NP	0.1	68.3
▲ 60	640	2.0 to 2.3	SILTY SAND(SM)	3.9	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
● 58	638	100.0	100.0	100.0	100.0	77.6	74.2	63.6	56.6	38.8	26.2	19.2	14.6	10.3	7.7	6.3	61.2	32.5	6.3	
☒ 59	639	100.0	98.6	89.9	71.9	62.3	54.7	52.2	43.8	40.1	35.9	27.8	12.3	5.1	3.1	54.8	40.7	3.1		
▲ 60	640	100.0	100.0	100.0	100.0	98.3	92.9	90.6	86.2	83.6	81.1	75.3	60.9	40.8	17.5	13.8	68.7	17.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

