

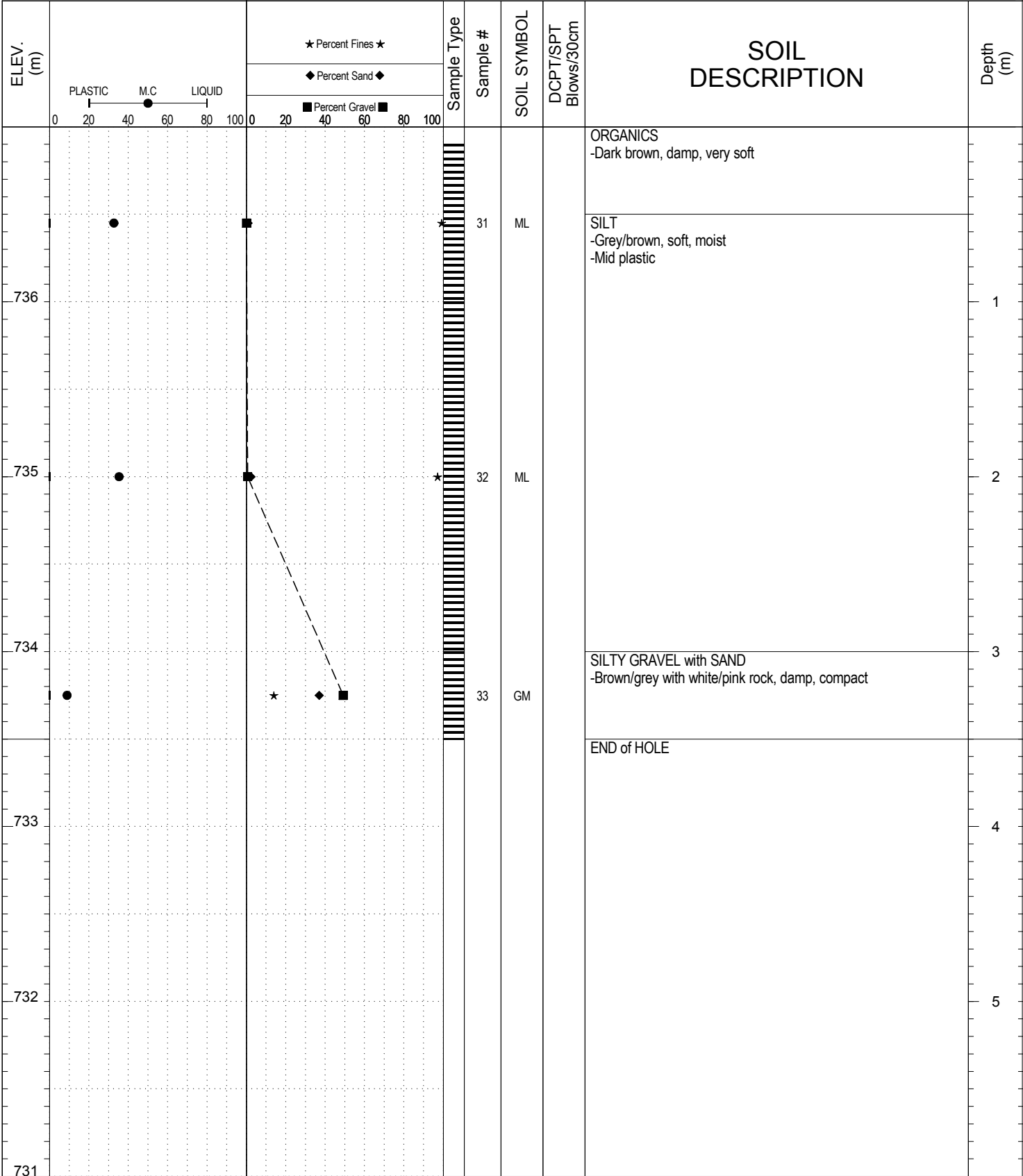
SUBSURFACE EXPLORATION AND TEST REPORT		4		SOURCE/TP#: 874-5374						
KPI		Campbell Hwy Pit testing, 85.5-86.1 LHS		PROJECT NO: 552-202104-2035-0661-5						
CASE 9040B		Coordinates: Z09V N6731611m E488857m		ELEVATION: 737m						
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE			
ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0 20 40 60 80 100		0 20 40 60 80 100							
736	●		■		29	ML		SILT and ORGANICS -Grey/brown, moist, soft -Fibrous/woody organics SILT -Grey, firm, damp -Low plasticity	1	
735	●		★ ◆ ■		30	GM		SILTY GRAVEL with SAND -Grey/brown, damp, firm -Angular, low plasticity	2	
734									3	
733									4	
732									5	
731								END of HOLE		
				LOGGED BY: Dave Lorenzi		Termination Depth: 3.1m				
				COMPILED BY: M. Jubinville		Complete: 10/12/2015				
				REVIEWED BY: R.Stiwell		Pit #: Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5375

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731556m E488841m ELEVATION: 737m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		4	SOURCE/TP#: 874-5376					
KPI		Campbell Hwy Pit testing, 85.5-86.1 LHS		PROJECT NO: 552-202104-2035-0661-5				
CASE 9040B		Coordinates: Z09V N6731499m E488824m		ELEVATION: 739m				
SAMPLE TYPE	<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input checked="" type="checkbox"/> AUGER	<input type="checkbox"/> BULK				
			<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE				
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C LIQUID 0 20 40 60 80 100							
738				34	ML		ORGANICS -Dark brown, damp, very soft -Woody/fibrous organics SILT -Grey/brown, moist, firm	1
737				35	GM		SHALE -Grey, dry, hard, fractured END of HOLE -Refusal on shale	2
736								3
735								4
734								5
733								

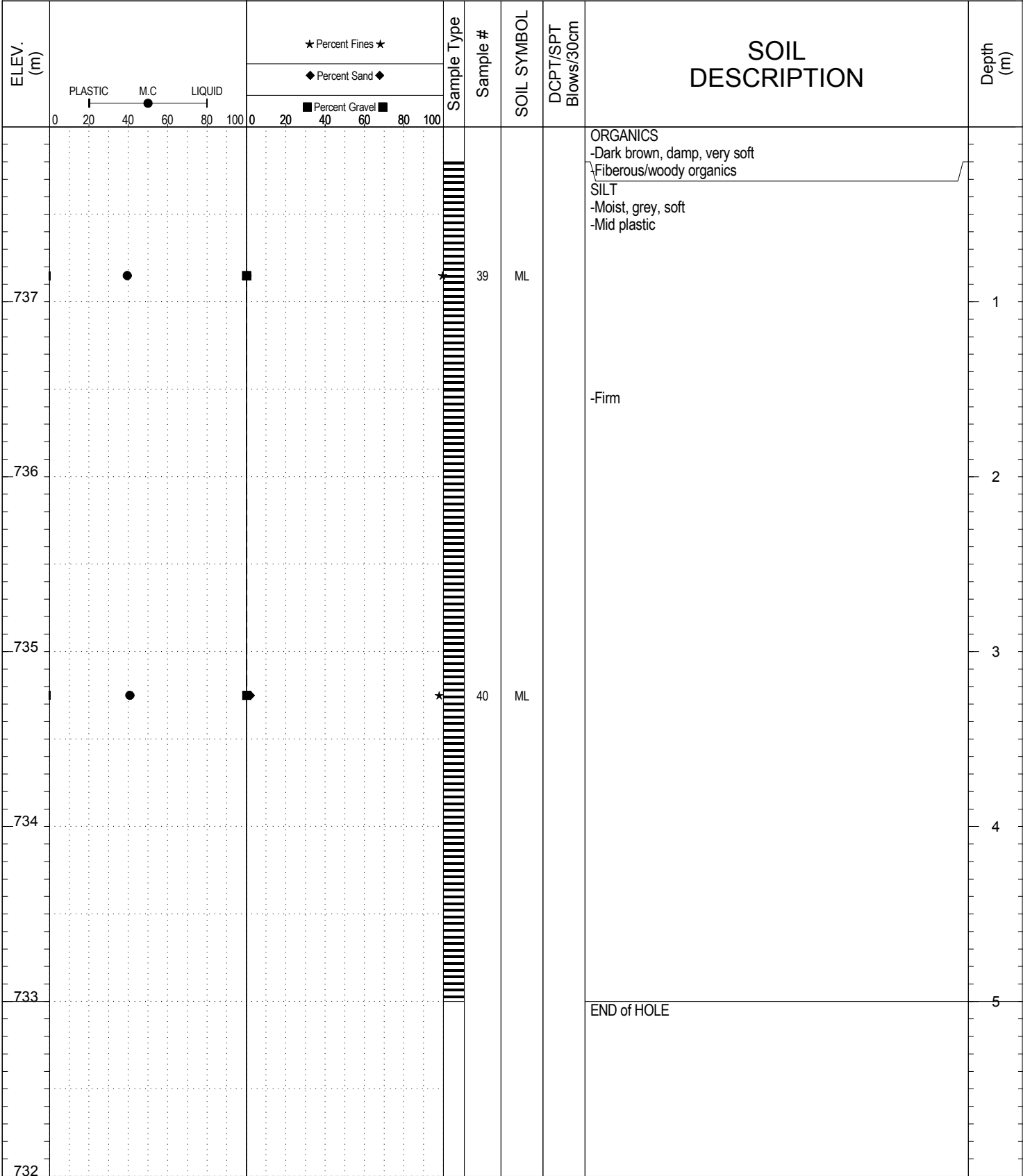
SUBSURFACE EXPLORATION AND TEST REPORT		4		SOURCE/TP#: 874-5377				
KPI		Campbell Hwy Pit testing, 85.5-86.1 LHS		PROJECT NO: 552-202104-2035-0661-5				
CASE 9040B		Coordinates: Z09V N6731450m E488817m		ELEVATION: 737m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C LIQUID 0 20 40 60 80 100 0 20 40 60 80 100							
736	● ■		▲	37	ML		ORGANICS -dark brown, damp, very loose -fibrous/woody organics	1
735							SILT -Grey/brown, moist, soft -Mid-plastic	2
734	● ■		▲	38	ML			3
733								4
732								5
731							END of HOLE -Refusal on rocks	

SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5378

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731358m E488817m ELEVATION: 738m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5379

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731270m E488815m ELEVATION: 730m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC	M.C.	LIQUID						
729	10	50	40	█	41	GM		ORGANICS -Dark brown, damp, very soft -Fibrous/woody organics SILTY GRAVEL with SAND -Grey, damp, compact -Angular	1
728								END of HOLE -Refusal on rock	2
727									3
726									4
725									5
724									

SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5380

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731297m E488816m ELEVATION: 731m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

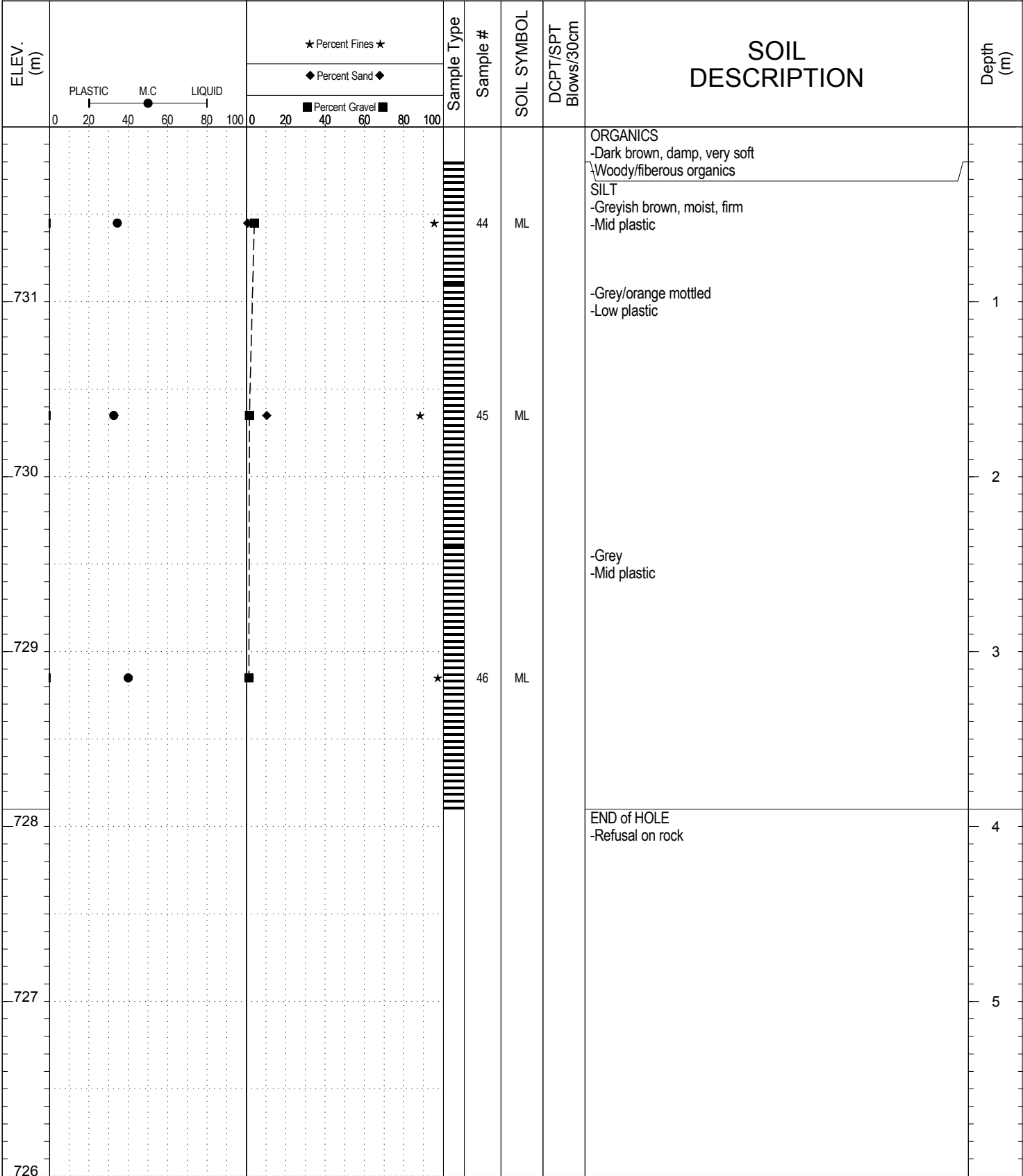
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC	M.C. LIQUID						
730	~10	~55	DCPT	42	SM		ORGANICS -Dark brown, damp, very soft SILTY SAND with GRAVEL -Brown, loose, damp -Trace cobble	1
729	~10	~45	DCPT	43	SM		-Compact -Trace cobbles/boulders	2
728							END of HOLE -Refusal on rock	3
727								4
726								5
725								

SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5381

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731328m E488814m ELEVATION: 732m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

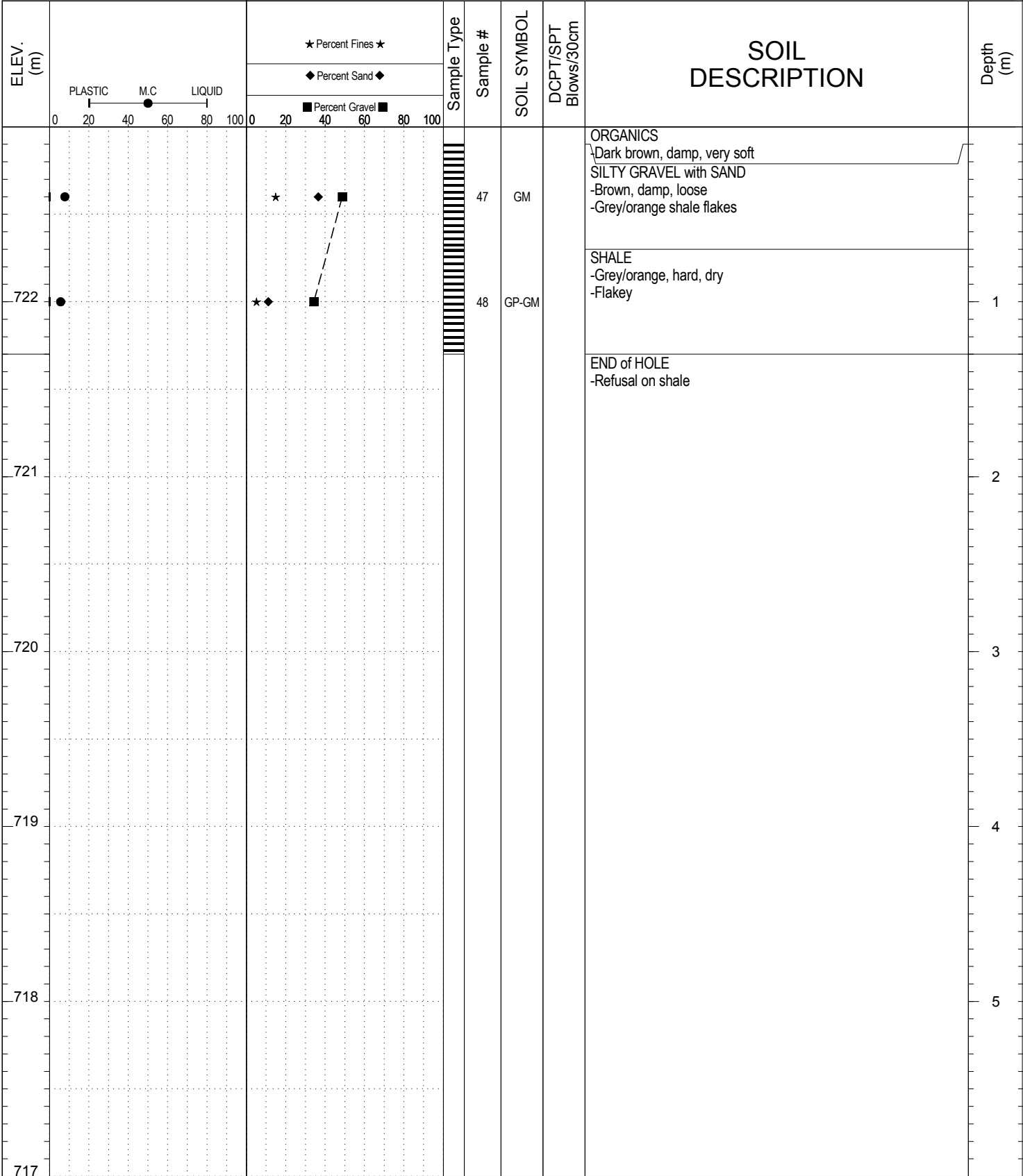


SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5382

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731230m E488819m ELEVATION: 723m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

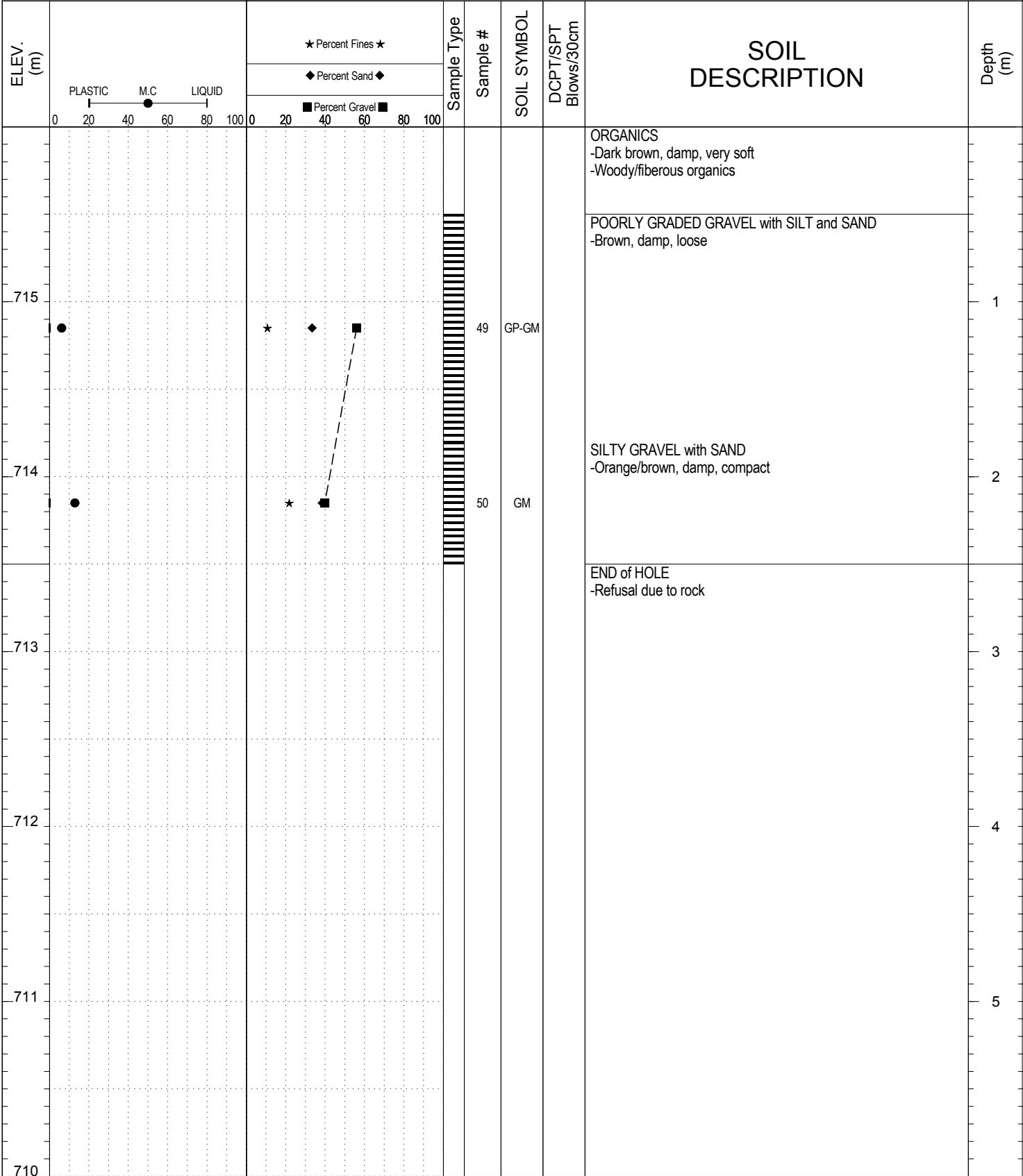


SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5383

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731174m E488820m ELEVATION: 716m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		4	SOURCE/TP#: 874-5384				
KPI		Campbell Hwy Pit testing, 85.5-86.1 LHS		PROJECT NO: 552-202104-2035-0661-5			
CASE 9040B		Coordinates: Z09V N6731108m E488805m		ELEVATION: 717m			
SAMPLE TYPE	<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input checked="" type="checkbox"/> AUGER	<input type="checkbox"/> BULK			
			<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE			
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC M.C LIQUID 0 20 40 60 80 100						
716	●		51			ORGANICS -Dark brown, damp, very soft	1
715	●	★ ◆ ■	52	GM		SILT -Brown, moist, firm -Low plastic, trace cobbles SHALE -Grey/blue, hard, dry	2
714						END of HOLE -Refusal due to shale	3
713							4
712							5
711							



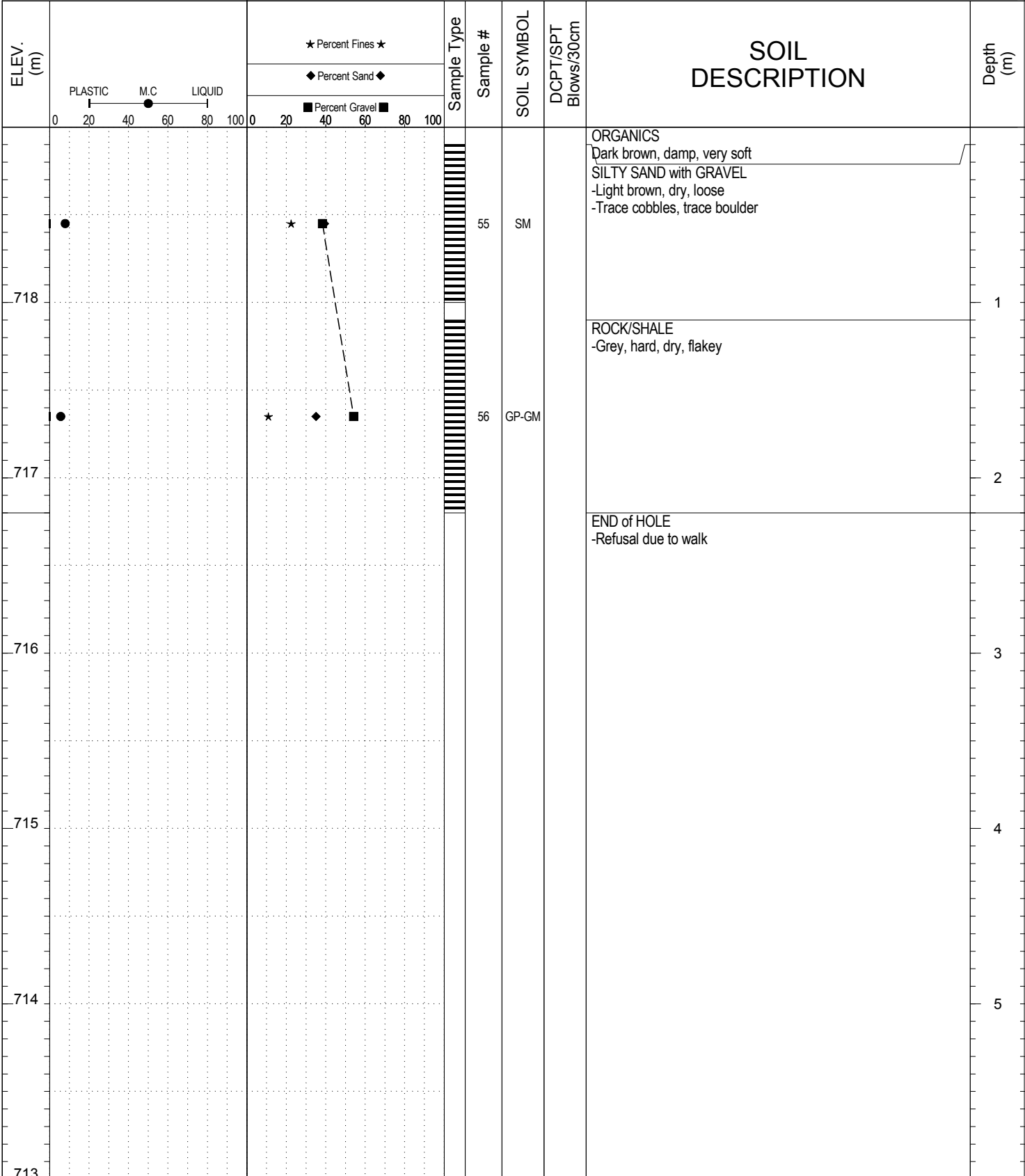
SUBSURFACE EXPLORATION AND TEST REPORT		4		SOURCE/TP#: 874-5385				
KPI		Campbell Hwy Pit testing, 85.5-86.1 LHS		PROJECT NO: 552-202104-2035-0661-5				
CASE 9040B		Coordinates: Z09V N6731064m E488785m		ELEVATION: 723m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED		<input type="checkbox"/> DCPT				
		<input type="checkbox"/> AUGER		<input type="checkbox"/> BULK				
		<input checked="" type="checkbox"/> SPT		<input type="checkbox"/> CORE				
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC	M.C						
723	0	20	40	60	80	100		
722							ORGANICS -Dark brown, damp, very soft -Fibrous/woody organics SILTY SAND with GRAVEL -Brown, damp, loose	1
721							SILTY GRAVEL with SAND -Brown, damp, compact -Trace cobbles	2
720							END of HOLE -Refusal on rock	3
719								4
718								5
717								

SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5386

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6731027m E488765m ELEVATION: 719m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

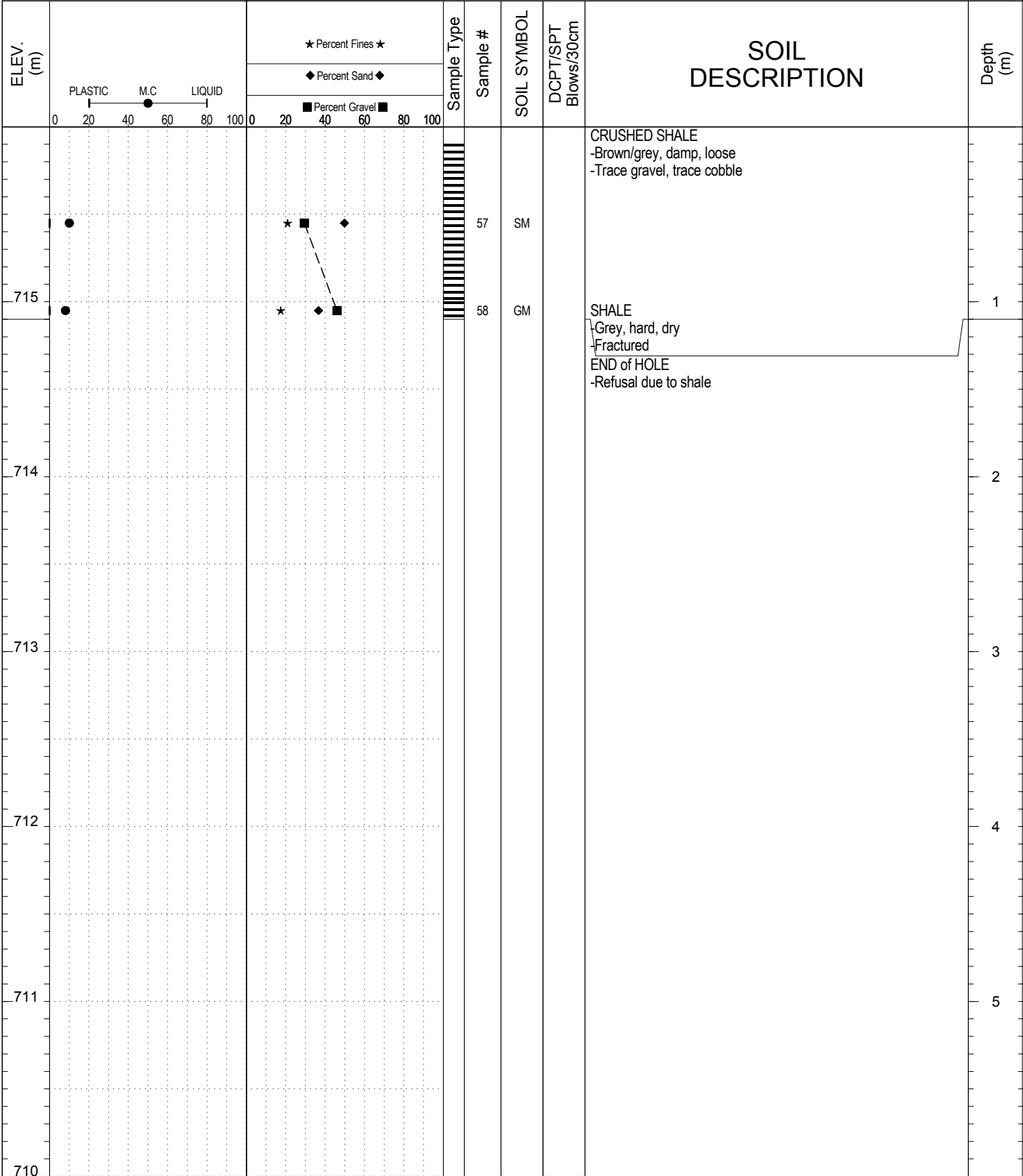


SUBSURFACE EXPLORATION AND TEST REPORT 4 SOURCE/TP#: 874-5387

KPI Campbell Hwy Pit testing, 85.5-86.1 LHS PROJECT NO: 552-202104-2035-0661-5

CASE 9040B Coordinates: Z09V N6730999m E488744m ELEVATION: 716m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



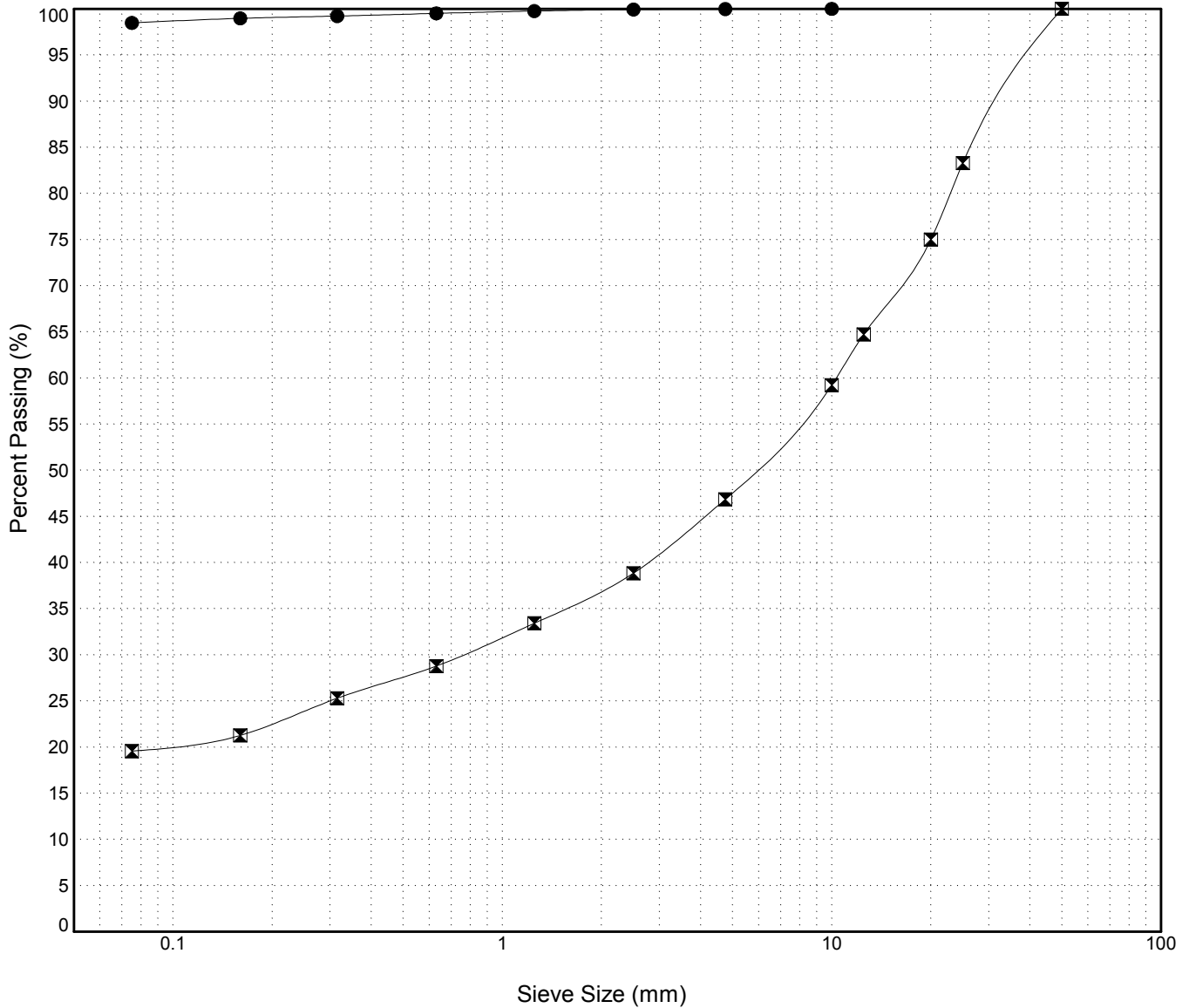
GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5374
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731611m E488857m	ELEVATION: 737m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 29	291	0.5 to 1.0	SILT(ML)	36.0	NP	NP	NP		
☒ 30	292	1.0 to 3.1	SILTY GRAVEL with SAND(GM)	9.5	NP	NP	NP		
Field #	Lab #								
● 29	291								
☒ 30	292								

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
● 29	291	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.5	99.2	99.0	98.5	0.0	1.5	98.5	
☒ 30	292	100.0	100.0	100.0	83.3	75.0	64.7	59.2	46.8	38.8	33.4	28.8	25.3	21.3	19.6	53.2	27.3	19.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



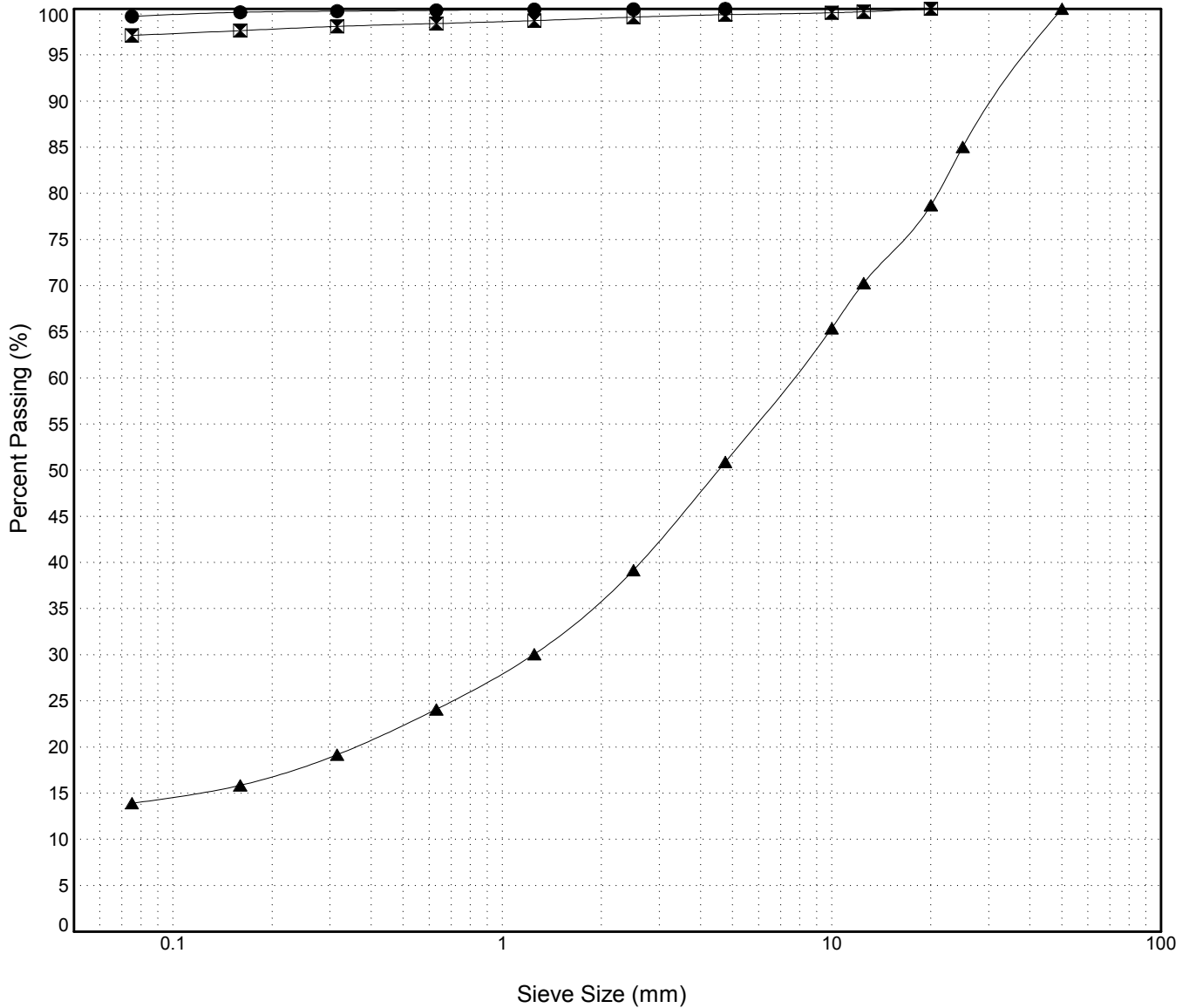
GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5375
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731556m E488841m	ELEVATION: 737m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 31	293	0.1 to 1.0	SILT(ML)	32.6	NP	NP	NP		
☒ 32	294	1.0 to 3.0	SILT(ML)	35.3	NP	NP	NP		
▲ 33	295	3.0 to 3.5	SILTY GRAVEL with SAND(GM)	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
● 31	293	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.8	99.6	99.2	0.0	0.8	99.2	
☒ 32	294	100.0	100.0	100.0	100.0	100.0	99.7	99.6	99.4	99.1	98.7	98.4	98.1	97.6	97.1	0.6	2.2	97.1	
▲ 33	295	100.0	100.0	100.0	85.0	78.7	70.3	65.4	50.9	39.2	30.1	24.1	19.2	15.9	13.9	49.1	37.0	13.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

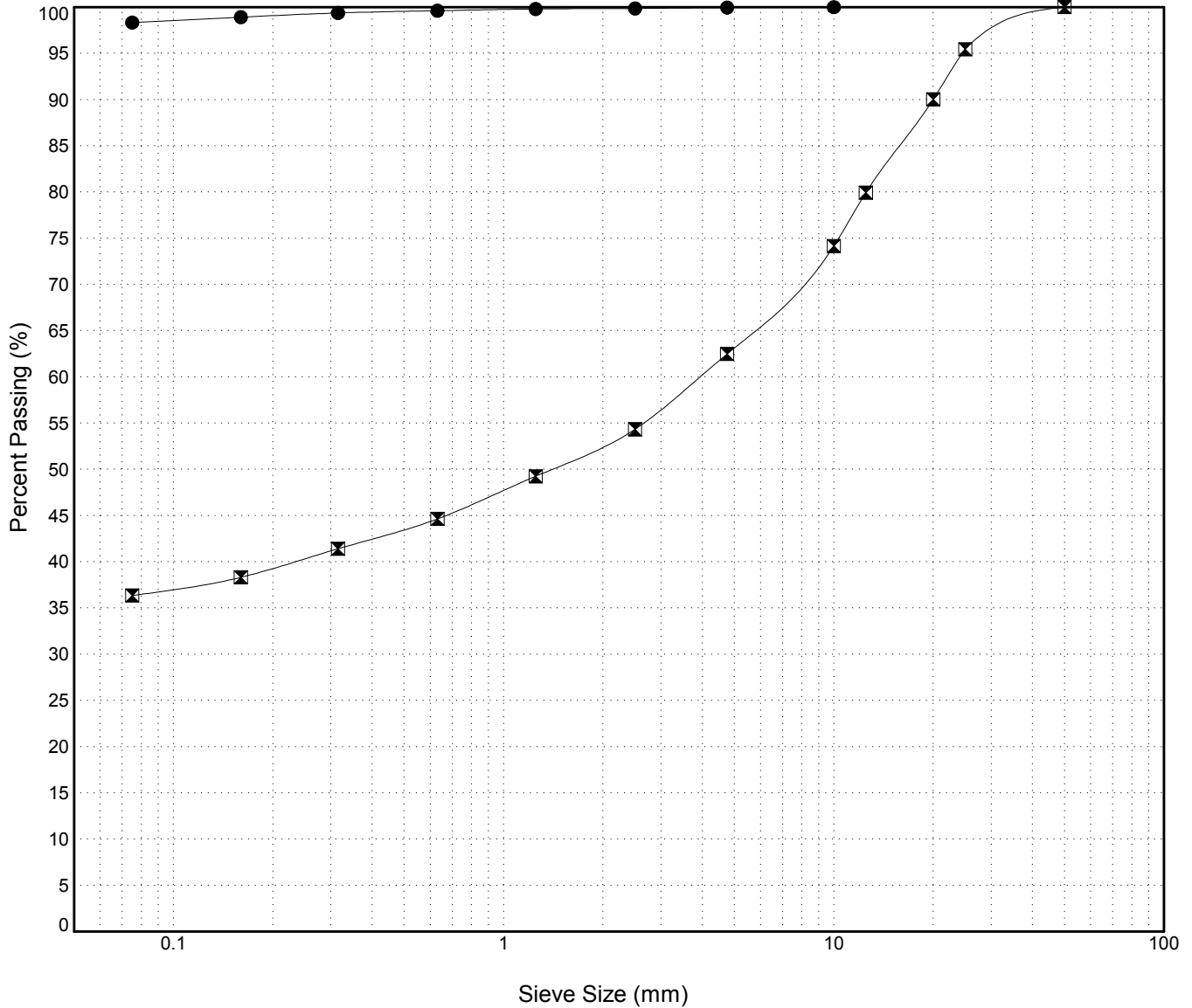


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5376
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731499m E488824m	ELEVATION: 739m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 34	296	0.2 to 2.0	SILT(ML)	37.0	NP	NP	NP													
☒ 35	297	2.0 to 2.2	SILTY GRAVEL with SAND(GM)	13.1	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				
● 34	296	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.6	99.4	98.9	98.3	Gravel	Sand	Silt	Clay	
☒ 35	297	100.0	100.0	100.0	95.5	90.0	79.9	74.2	62.5	54.3	49.2	44.6	41.4	38.3	36.4	37.5	26.1	98.3	36.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

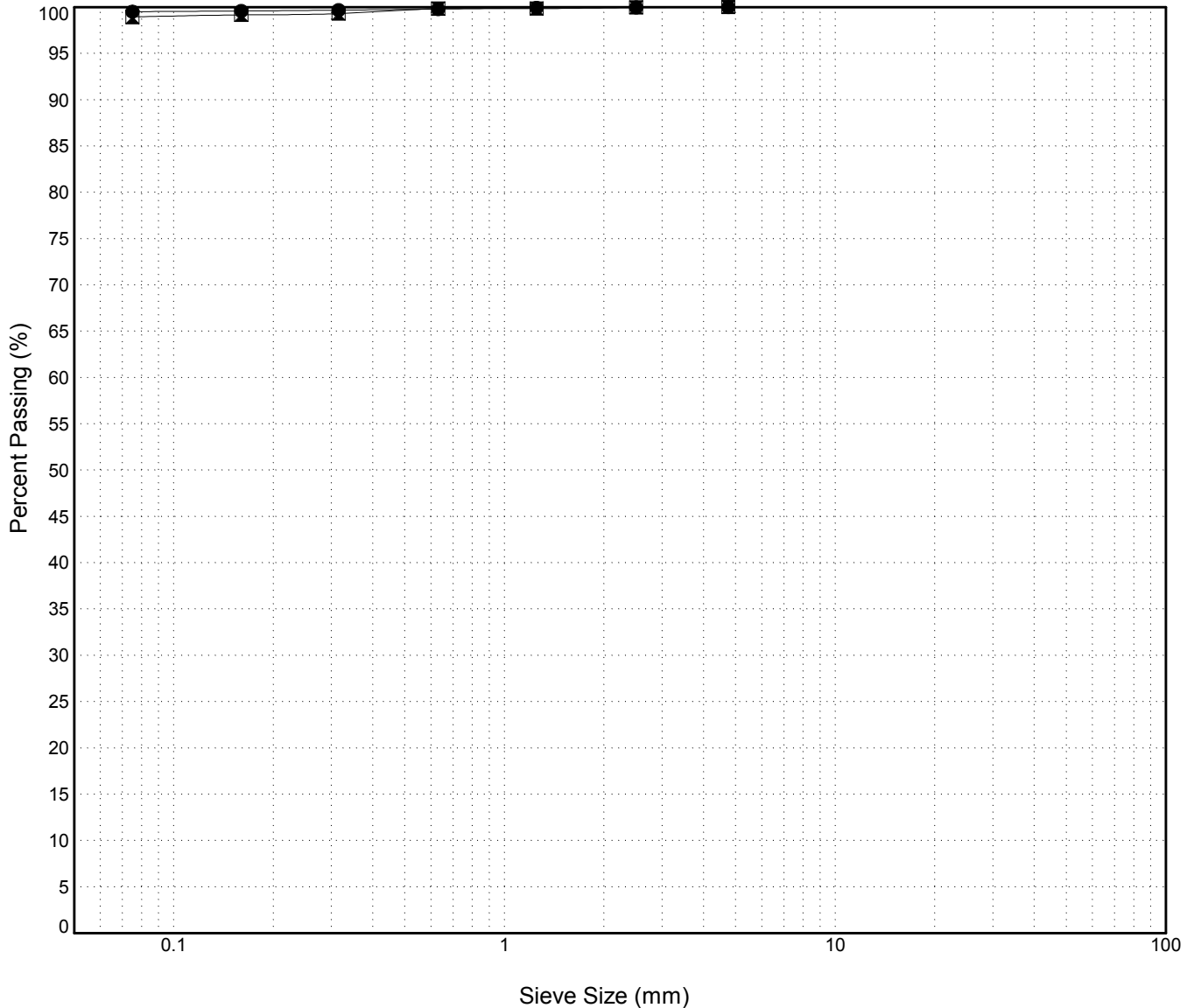


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5377
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731450m E488817m	ELEVATION: 737m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 37	298	0.5 to 1.2	SILT(ML)	38.4	NP	NP	NP													
☒ 38	299	1.2 to 5.1	SILT(ML)	35.8	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 37	298	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	Gravel	Sand	Silt	Clay	
☒ 38	299	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.8	99.3	99.2	98.9	0.0	0.5	99.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

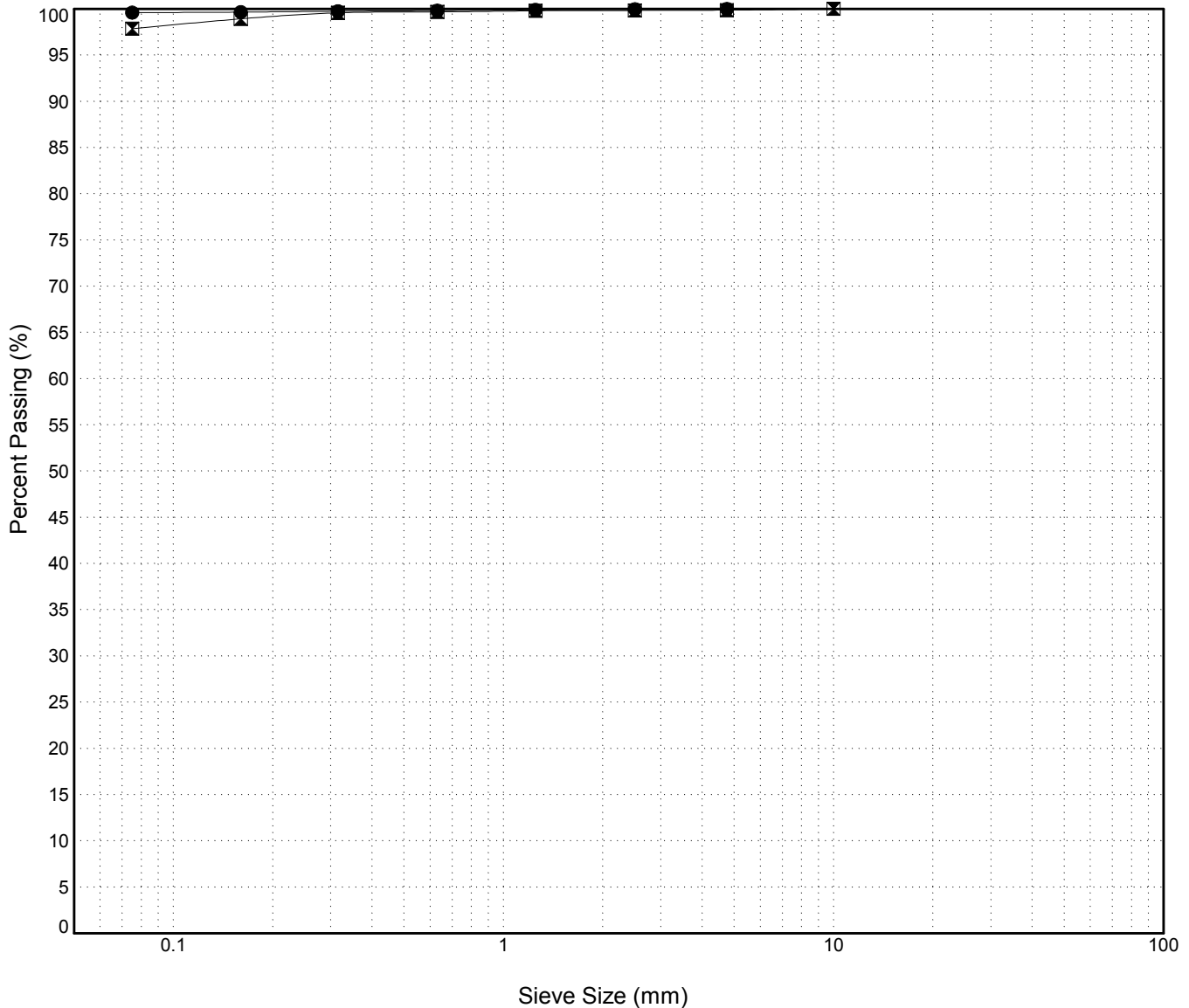


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5378
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731358m E488817m	ELEVATION: 738m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 39	327	0.2 to 1.5	SILT(ML)	39.4	NP	NP	NP													
☒ 40	328	1.5 to 5.0	SILT(ML)	40.8	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 39	327	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.7	99.7	99.6	Gravel	Sand	Silt	Clay	
☒ 40	328	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.8	99.7	99.6	98.9	97.9	0.0	0.4	99.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

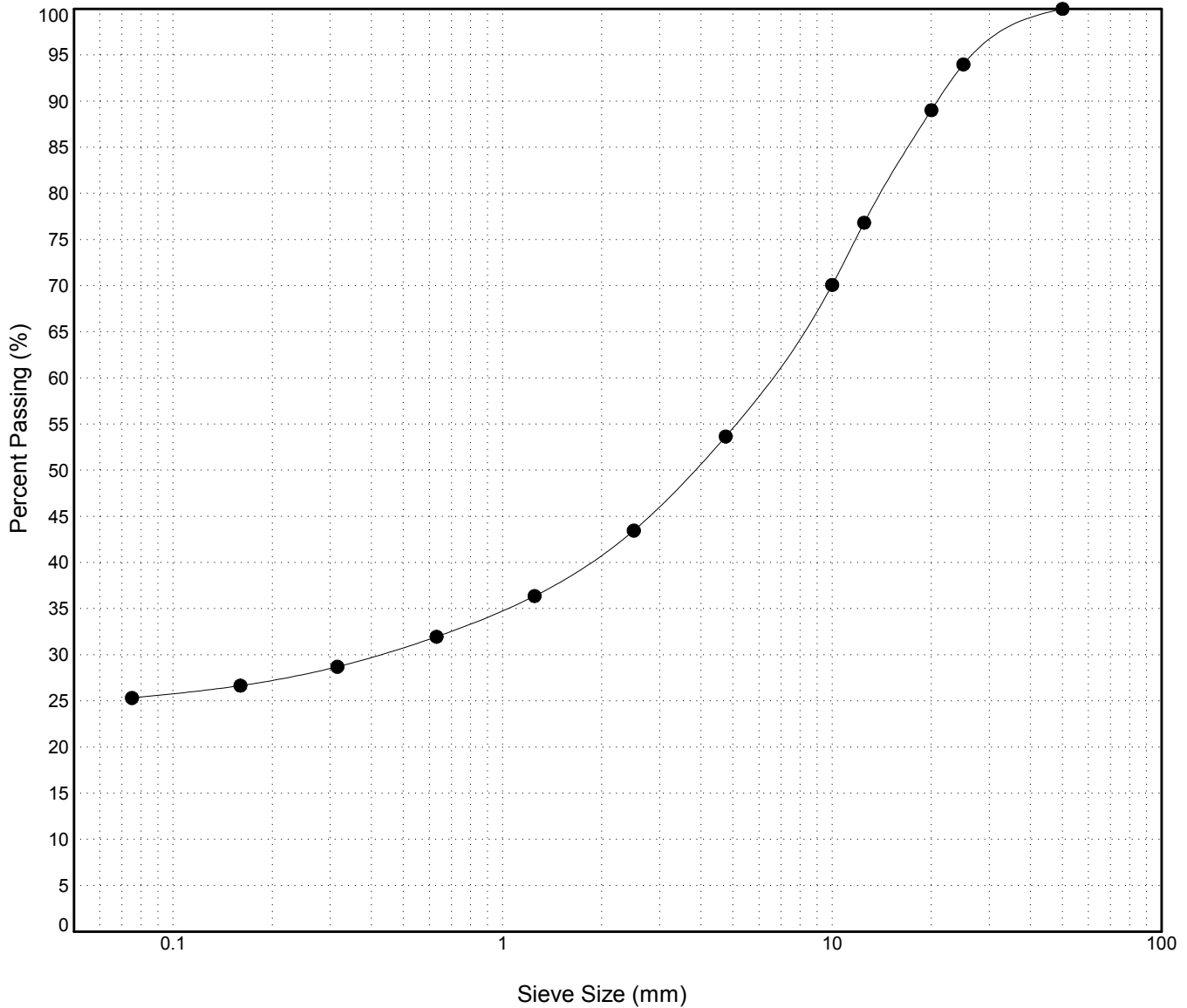


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5379
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731270m E488815m	ELEVATION: 730m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H ₂ O	LL	PL	PI	C _c	C _u	
● 41	329	0.1 to 0.8	SILTY GRAVEL with SAND(GM)											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			
● 41	329	% PASSING	100.0	100.0	100.0	94.0	89.0	76.8	70.1	53.7	43.5	36.4	32.0	28.7	26.7	25.3	46.3	28.3	25.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

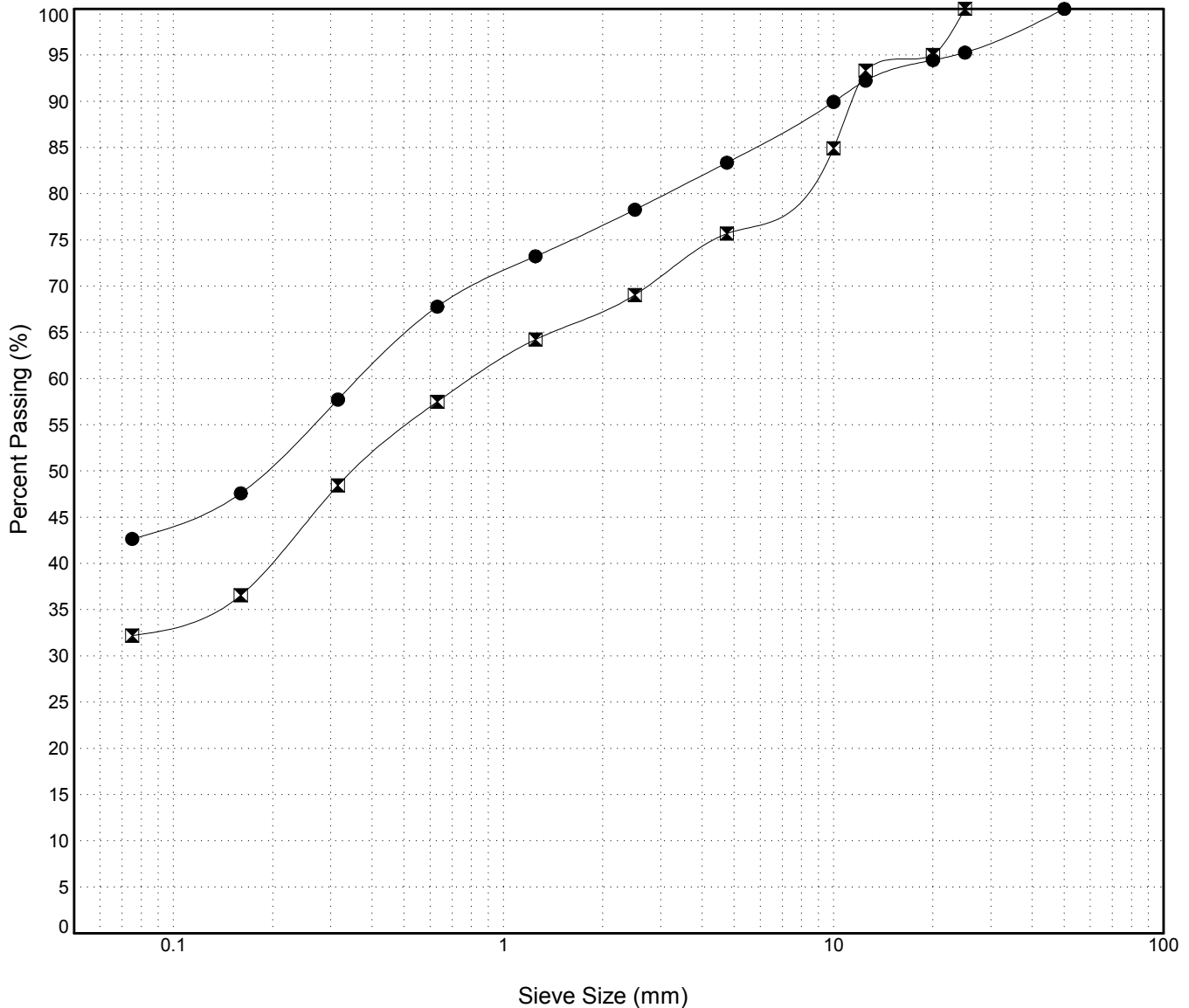


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5380
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731297m E488816m	ELEVATION: 731m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	
● 42	330	0.2 to 1.0	SILTY SAND with GRAVEL(SM)											12.5	NP	NP	NP			
☒ 43	331	1.0 to 2.0	SILTY SAND with GRAVEL(SM)											9.6	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			
● 42	330	% PASSING	100.0	100.0	100.0	95.3	94.5	92.2	89.9	83.4	78.3	73.2	67.8	57.7	47.6	42.7	16.6	40.7	42.7	
☒ 43	331	% PASSING	100.0	100.0	100.0	100.0	95.0	93.3	84.9	75.7	69.1	64.2	57.5	48.5	36.6	32.2	24.3	43.5	32.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



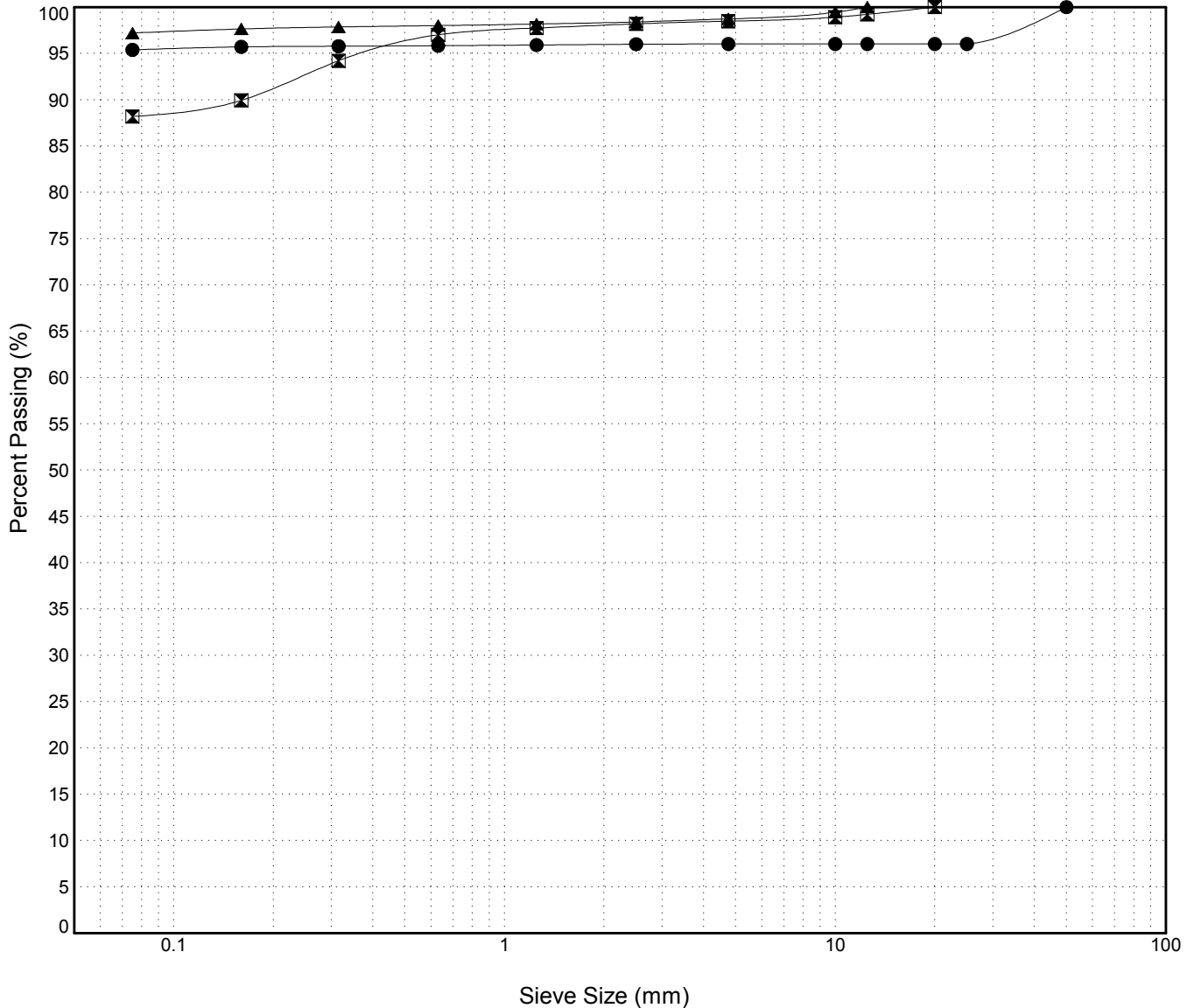
GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5381
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731328m E488814m	ELEVATION: 732m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 44	332	0.2 to 0.9	SILT(ML)	34.4	NP	NP	NP		
☒ 45	333	0.9 to 2.4	SILT(ML)	32.6	NP	NP	NP		
▲ 46	334	2.4 to 3.9	SILT(ML)	39.9	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
● 44	332	100.0	100.0	100.0	96.0	96.0	96.0	96.0	96.0	96.0	95.9	95.8	95.8	95.7	95.4	4.0	0.6	95.4	
☒ 45	333	100.0	100.0	100.0	100.0	100.0	99.2	98.9	98.5	98.2	97.8	97.0	94.2	89.9	88.2	1.5	10.3	88.2	
▲ 46	334	100.0	100.0	100.0	100.0	100.0	100.0	99.5	98.7	98.4	98.2	98.0	97.9	97.6	97.2	1.3	1.5	97.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



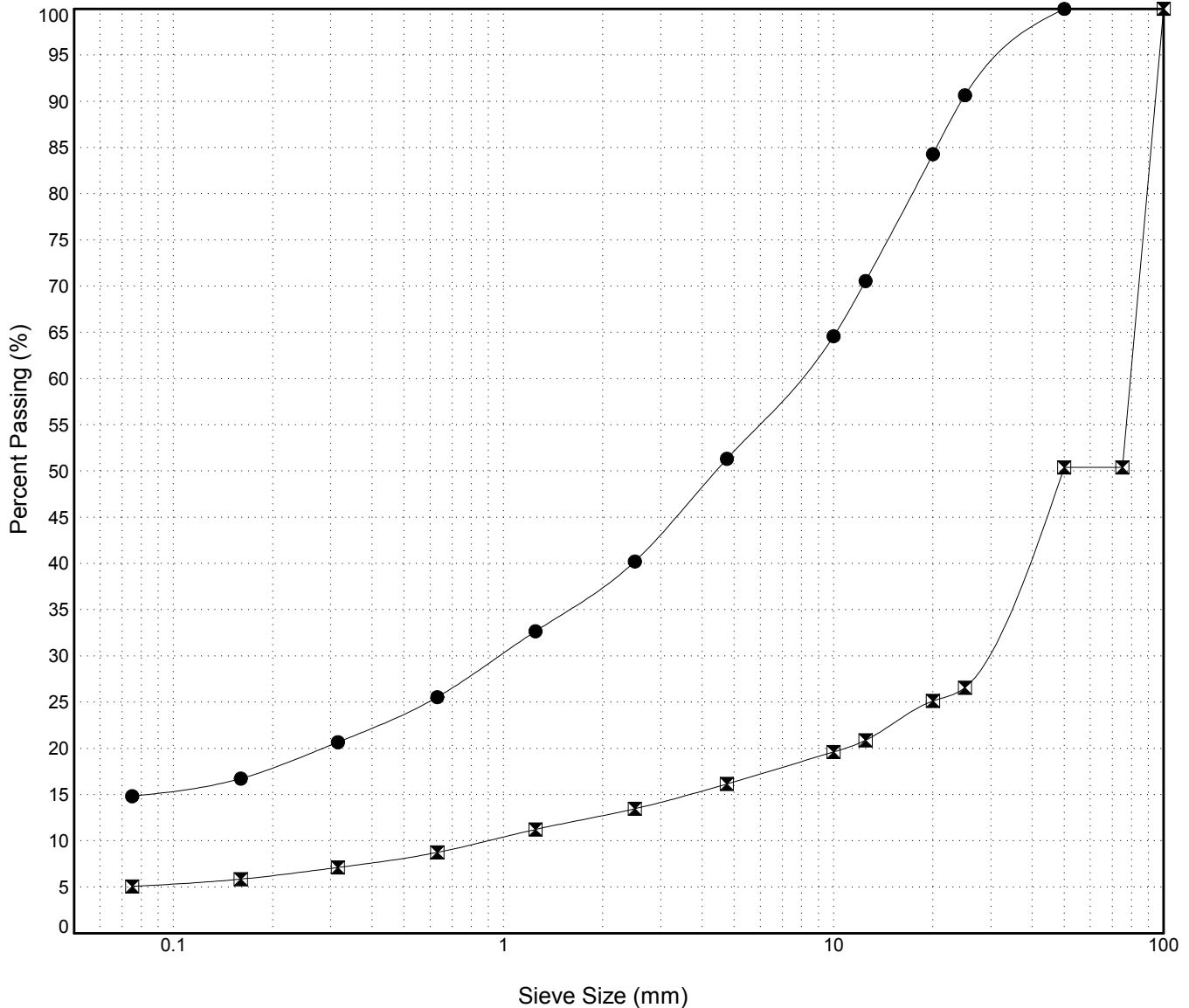
GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5382
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731230m E488819m	ELEVATION: 723m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 47	335	0.1 to 0.7	SILTY GRAVEL with SAND(GM)	7.8	NP	NP	NP		
☒ 48	336	0.7 to 1.3	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	5.6	NP	NP	NP	10.8	89.0
Field #	Lab #								
● 47	335								
☒ 48	336								

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
● 47	335	100.0	100.0	100.0	90.7	84.3	70.6	64.6	51.3	40.2	32.7	25.5	20.7	16.7	14.8	48.7	36.5	14.8	
☒ 48	336	100.0	50.4	50.4	26.6	25.1	20.9	19.6	16.2	13.5	11.2	8.7	7.1	5.9	5.1	34.2	11.1	5.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

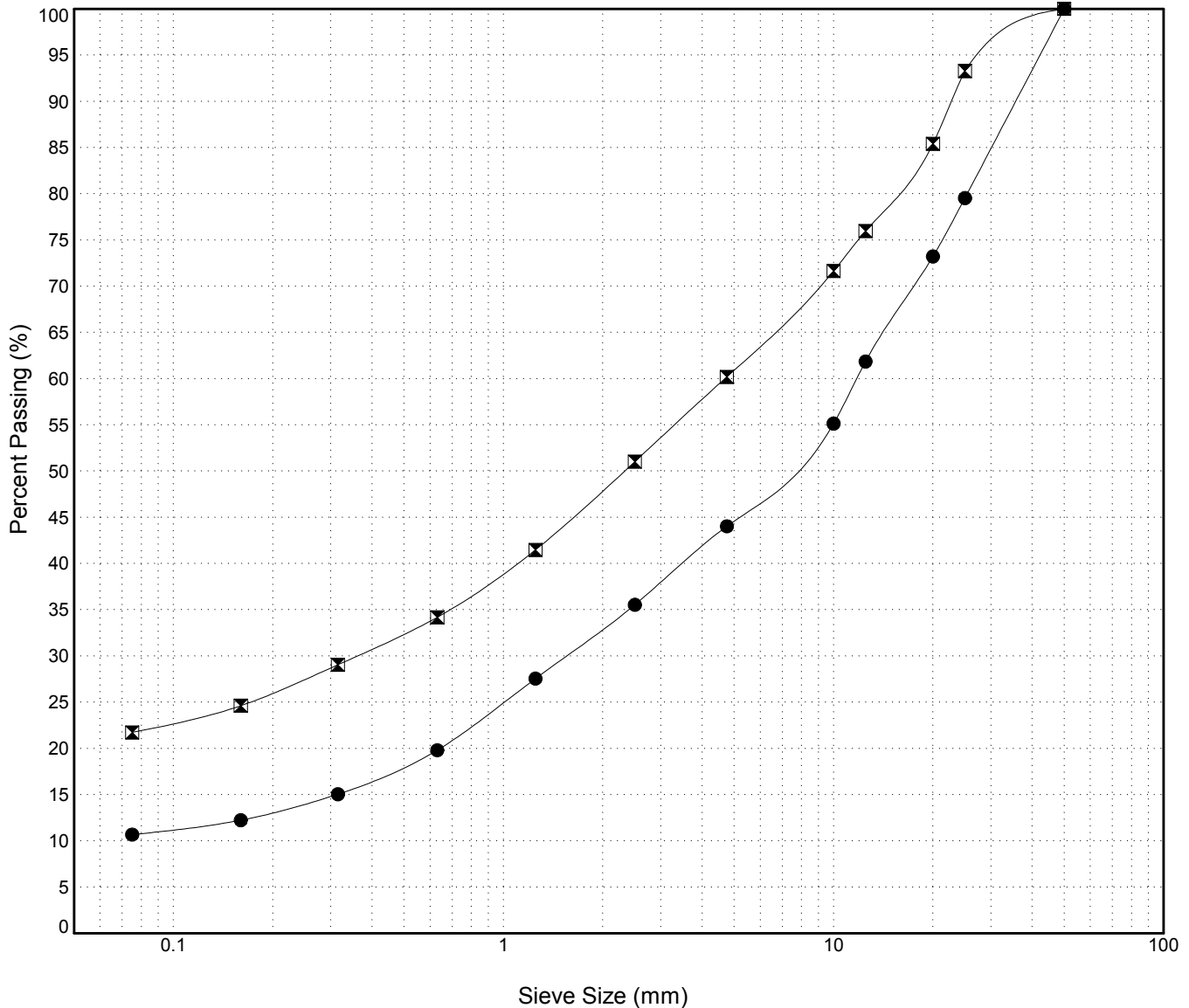


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5383
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731174m E488820m	ELEVATION: 716m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu										
● 49	337	0.5 to 1.8	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	6.1	NP	NP	NP	3.8	218.1										
☒ 50	338	1.8 to 2.5	SILTY GRAVEL with SAND(GM)	12.8	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
● 49	337	100.0	100.0	100.0	79.5	73.2	61.9	55.1	44.0	35.5	27.6	19.8	15.0	12.2	10.7	56.0	33.4	10.7	
☒ 50	338	100.0	100.0	100.0	93.3	85.4	76.0	71.6	60.2	51.0	41.5	34.2	29.0	24.6	21.7	39.8	38.5	21.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

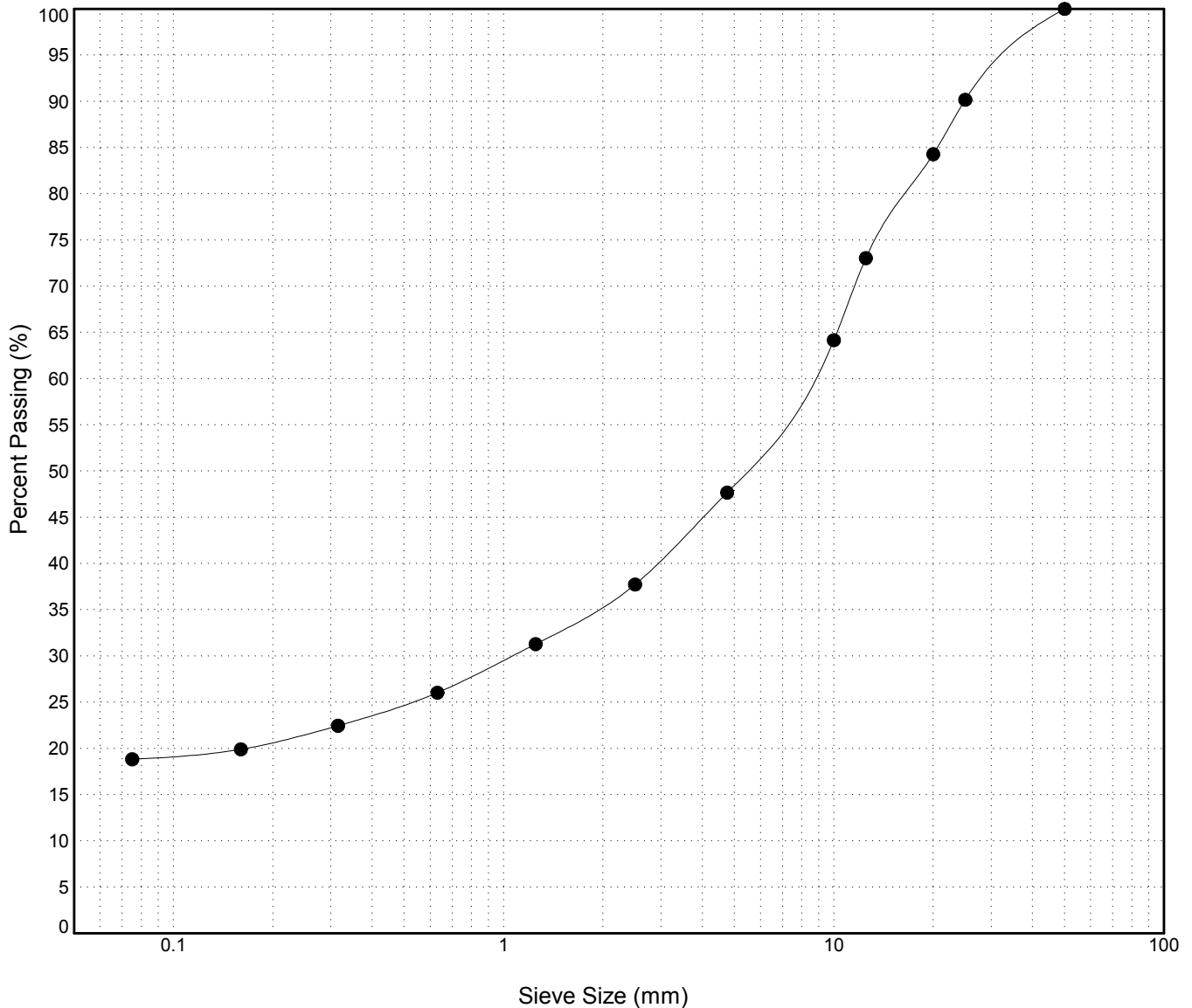


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5384
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731108m E488805m	ELEVATION: 717m

Master Revised July 2013

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu			
● 52	340	1.7 to 2.1	SILTY GRAVEL with SAND(GM)											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					
● 52	340	% PASSING	100.0	100.0	100.0	90.2	84.3	73.0	64.2	47.7	37.7	31.3	26.0	22.5	19.9	18.8	Gravel	Sand	Silt	Clay		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

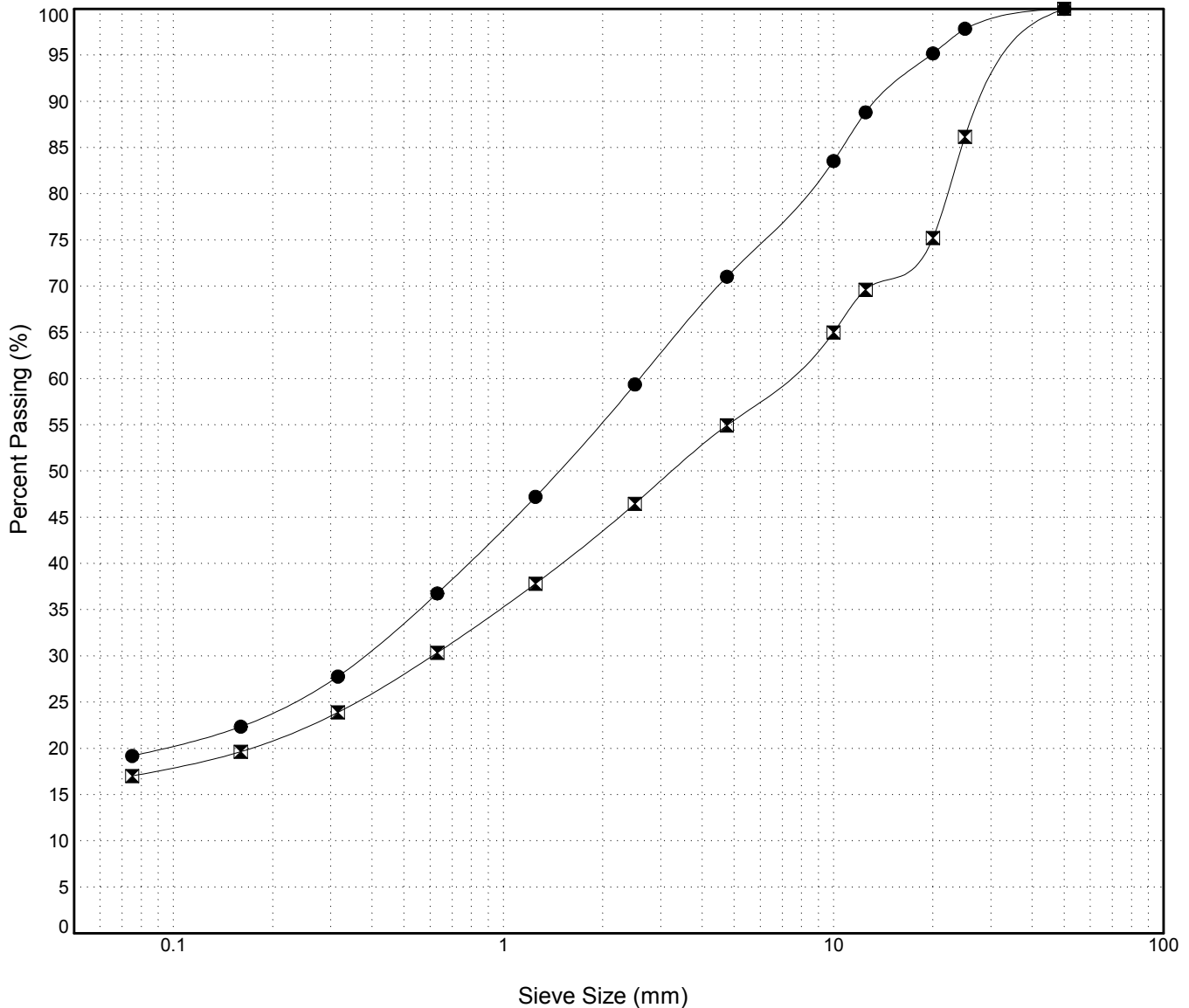


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5385
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731064m E488785m	ELEVATION: 723m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 53	341	0.2 to 1.0	SILTY SAND with GRAVEL(SM)	6.5	NP	NP	NP													
☒ 54	342	1.0 to 2.1	SILTY GRAVEL with SAND(GM)	6.2	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 53	341	100.0	100.0	100.0	97.9	95.2	88.8	83.5	71.0	59.4	47.2	36.8	27.8	22.4	19.2	Gravel	Sand	Silt	Clay	
☒ 54	342	100.0	100.0	100.0	86.2	75.2	69.6	65.0	54.9	46.5	37.8	30.3	23.9	19.6	17.0	45.1	37.9	17.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

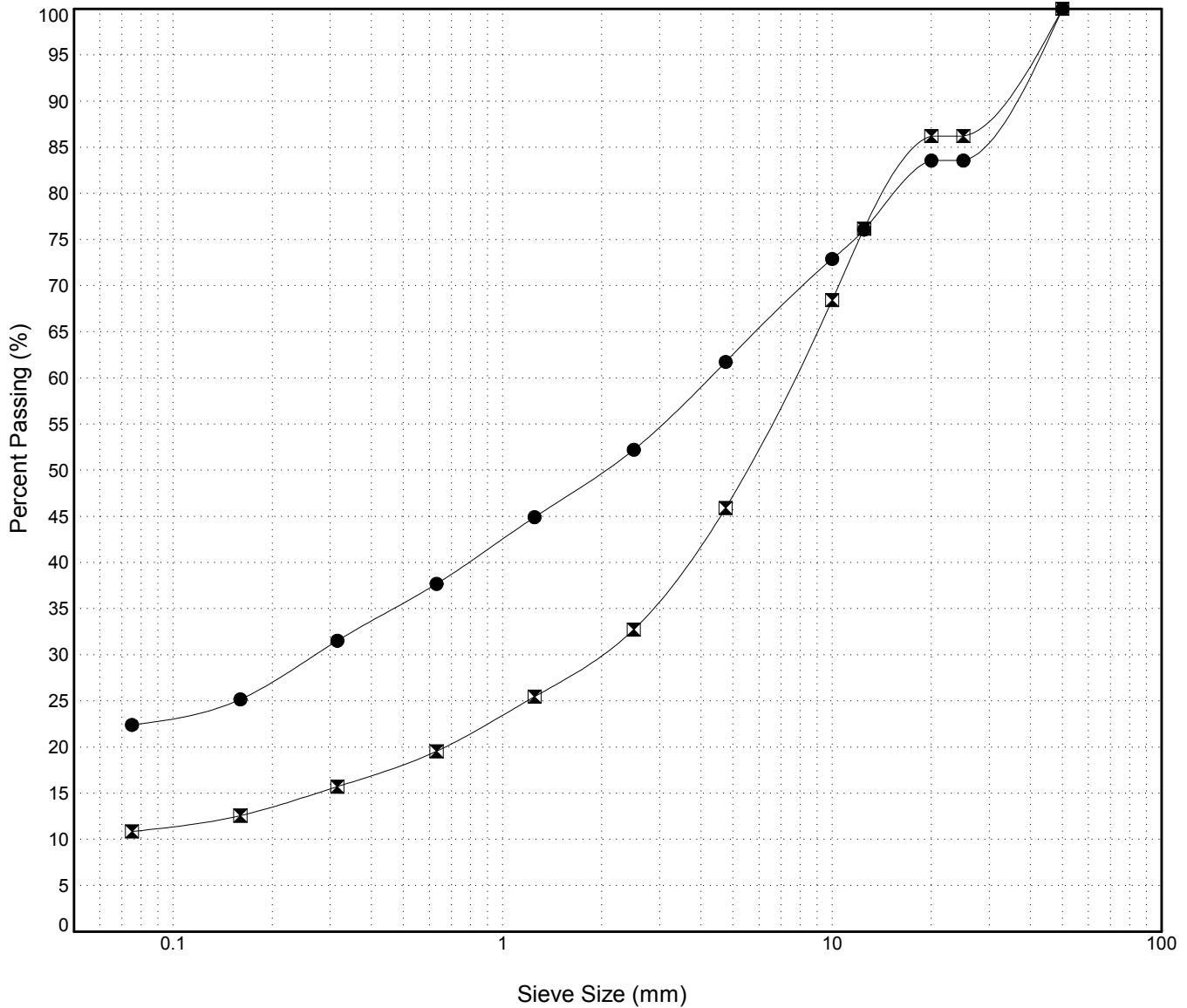


GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5386
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6731027m E488765m	ELEVATION: 719m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 55	343	0.1 to 1.0	SILTY SAND with GRAVEL(SM)	7.8	NP	NP	NP													
☒ 56	344	1.1 to 2.2	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	5.6	NP	NP	NP	9.6	147.5											
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 55	343	100.0	100.0	100.0	83.6	83.6	76.1	72.9	61.7	52.2	44.9	37.7	31.5	25.2	22.4	Gravel	Sand	Silt	Clay	
☒ 56	344	100.0	100.0	100.0	86.2	86.2	76.2	68.4	45.9	32.7	25.5	19.6	15.7	12.6	10.9	54.1	35.1	10.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Campbell Hwy Pit testing	SOURCE/TP#: 874-5387
KPI	85.5-86.1 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6730999m E488744m	ELEVATION: 716m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u											
● 57	345	0.1 to 1.0	SILTY SAND with GRAVEL(SM)	10.0	NP	NP	NP													
☒ 58	346	1.0 to 1.1	SILTY GRAVEL with SAND(GM)	8.0	NP	NP	NP													
Field #	Lab #	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 57	345	100.0	100.0	100.0	95.0	93.4	87.2	83.3	70.6	57.8	46.8	39.0	31.9	25.2	20.9	Gravel	Sand	Silt	Clay	
☒ 58	346	100.0	100.0	100.0	93.2	87.0	74.0	67.3	54.0	44.4	37.7	31.2	25.7	19.6	17.4	46.0	36.6	17.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

