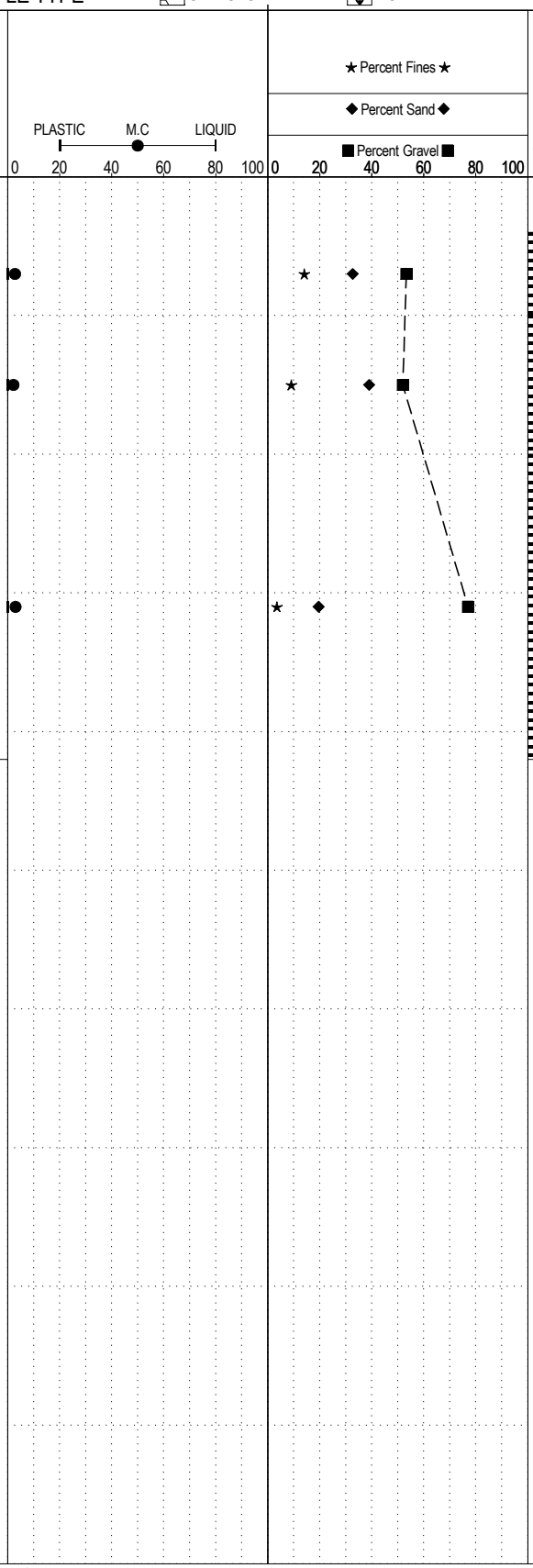
SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5354**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6728001m E489004.7m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



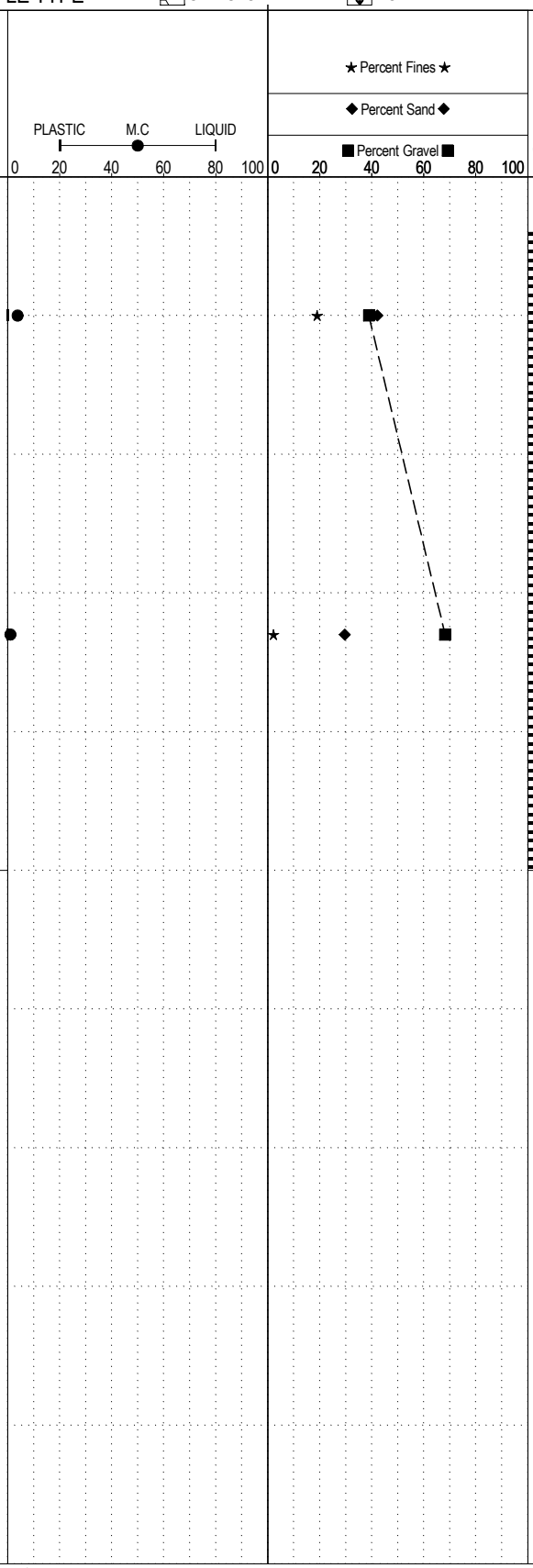
ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, damp, loose, fibrous	
		23	GM		SILTY GRAVEL with SAND -Orange/brown, damp, loose, trace roots	
		24	GP-GM		POORLY GRADED GRAVEL with SILT and SAND -Brown/grey, dry, compact	1
		25	GW		SHALE -Grey, dry, hard	2
					END of HOLE -Refusal on Shale	3 4

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2.1m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #: Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5355**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6727926m E489020.1m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose, fibrous	
		27	SM		SILTY SAND with GRAVEL -Tan/grey, dry, compact	
					SHALE -Grey, dry, hard	1
		28	GW			2
					END of HOLE -Refusal on Shale	3
						4

Yukon Highways and Public Works
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2.5m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5355R**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6727926m E489020.1m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE

ELEV. (m)	PLASTIC / M.C / LIQUID (0 20 40 60 80 100)	★ Percent Fines ★ / ◆ Percent Sand ◆ / ■ Percent Gravel ■ (0 20 40 60 80 100)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							OVERBURDEN	1, 2, 3, 4
				SA01				
							BEDROCK -Weathered -Light grey with green tint	5, 6
				SA02				
							BEDROCK -Competent rock -Light grey with blue tint	7, 8, 9
				SA03				

Yukon — Highways and Public Works, Transportation Engineering Branch

LOGGED BY: K.Elmer	Termination Depth: 10.1m
COMPILED BY: R.Stilwell	Complete:
REVIEWED BY: K.Elmer	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5355R**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6727926m E489020.1m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE

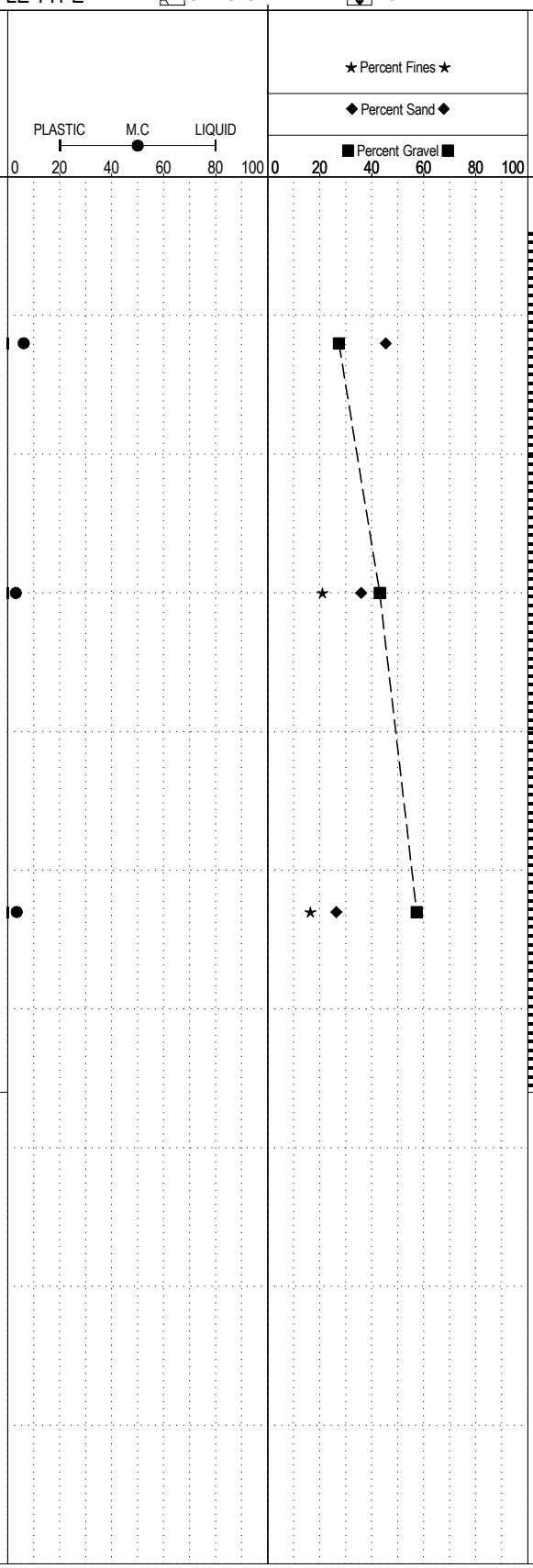
ELEV. (m)	PLASTIC — M.C — LIQUID (0 20 40 60 80 100)	★ Percent Fines ★ / ◆ Percent Sand ◆ / ■ Percent Gravel ■ (0 20 40 60 80 100)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							END of HOLE	
								11
								12
								13
								14
								15
								16
								17
								18
								19

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: K.Elmer	Termination Depth: 10.1m
COMPILED BY: R.Stilwell	Complete:
REVIEWED BY: K.Elmer	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5356**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6727866m E489064.4m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



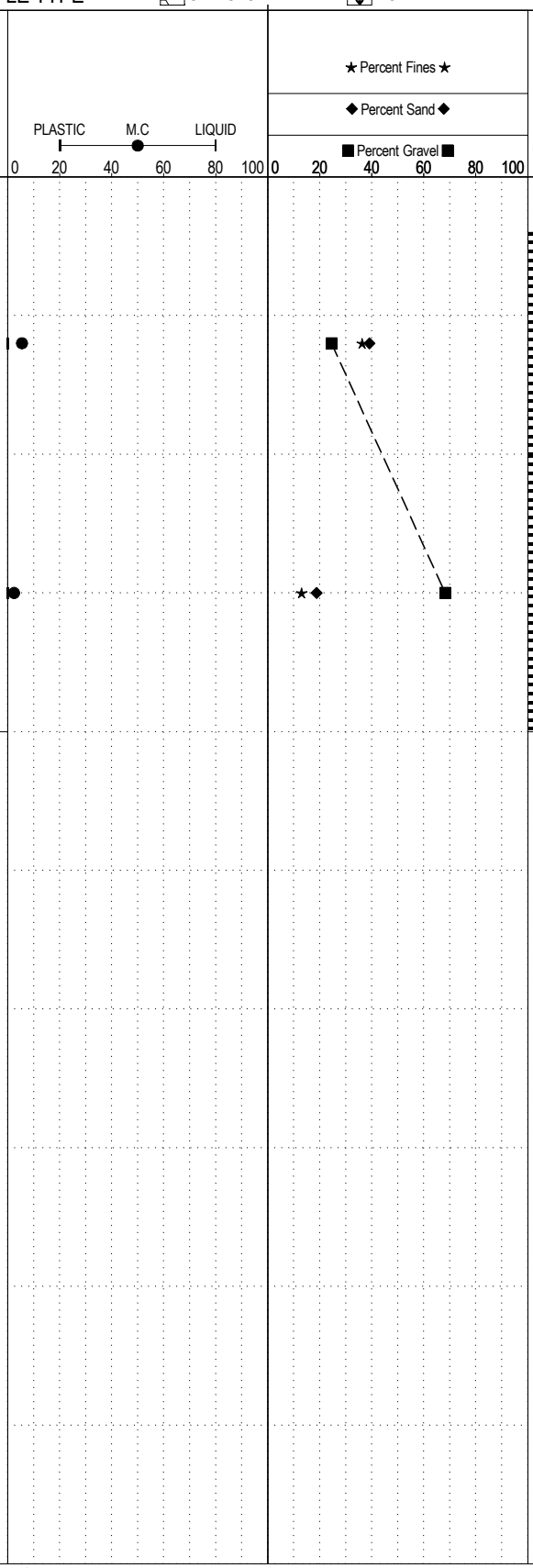
ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose, fibrous	
		29	SM		SILTY SAND with GRAVEL -Tan, dry -Trace cobbles	1
		30	GM		SILTY GRAVEL with SAND -Brown, dry, compact	2
		31	GM		-Very compact	3
					END of HOLE -Refusal on rock	4

Yukon Highways and Public Works
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 3.3m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5357**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6727822m E489105.7m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose	
		32	SM		SILTY SAND with GRAVEL -Tan, dry, compact -Trace cobble	1
		33	GM		SILTY GRAVEL with SAND -Grey, dry, compact -Trace cobbles, trace boulders	2
					END of HOLE -Refusal on Shale	3 4

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5357R**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6727822m E489105.7m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE

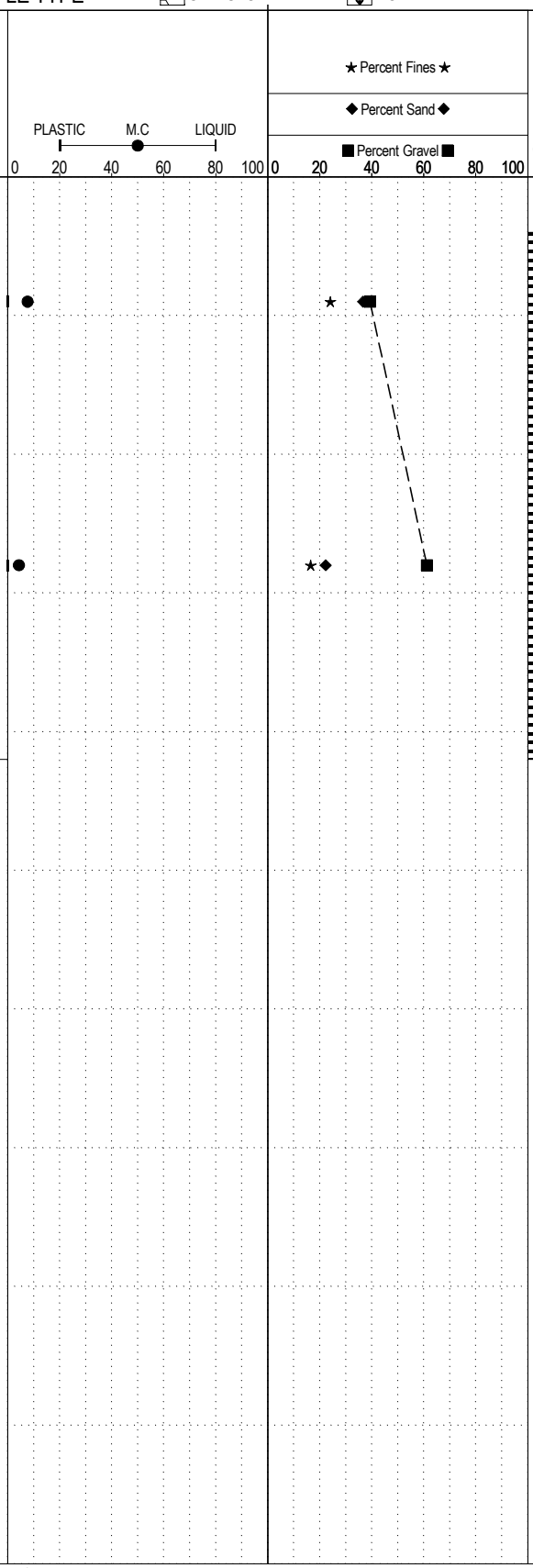
ELEV. (m)	PLASTIC — M.C — LIQUID (0 20 40 60 80 100)	★ Percent Fines ★ / ◆ Percent Sand ◆ / ■ Percent Gravel ■ (0 20 40 60 80 100)	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
						OVERBURDEN	
							1
							2
							3
							4
						-Cobbles	5
							6
							7
							8
							9
						END of HOLE -Bedrock not encountered	

Yukon Highways and Public Works
Transportation Engineering Branch

LOGGED BY: K.Elmer	Termination Depth: 9.1m
COMPILED BY: R.Stilwell	Complete:
REVIEWED BY: K.Elmer	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5358**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6727820m E489204.2m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose, fibrous	
		34	GM		SILTY GRAVEL with SAND -Tan, dry, compact -Trace cobble	
					SHALE -Grey, dry, hard	1
		35	GM			2
					END of HOLE	3
						4

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2.1m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5358R**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6727820m E489204.2m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE

ELEV. (m)	PLASTIC — M.C — LIQUID (0 20 40 60 80 100)	★ Percent Fines ★ / ◆ Percent Sand ◆ / ■ Percent Gravel ■ (0 20 40 60 80 100)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				SA01			BEDROCK -Weathered -Rusty	1
				SA02			-BEDROCK -Competent -Brown	2
				SA03			-Brittle fractured rock	3
				SA04				4
								5
				SA05			BEDROCK -Competent -Light grey green tint	6
				SA06				7
								8
				SA07				9
				SA08				

Yukon — **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: K.Elmer	Termination Depth: 15.2m
COMPILED BY: R.Stilwell	Complete:
REVIEWED BY: K.Elmer	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5358R**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6727820m E489204.2m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE

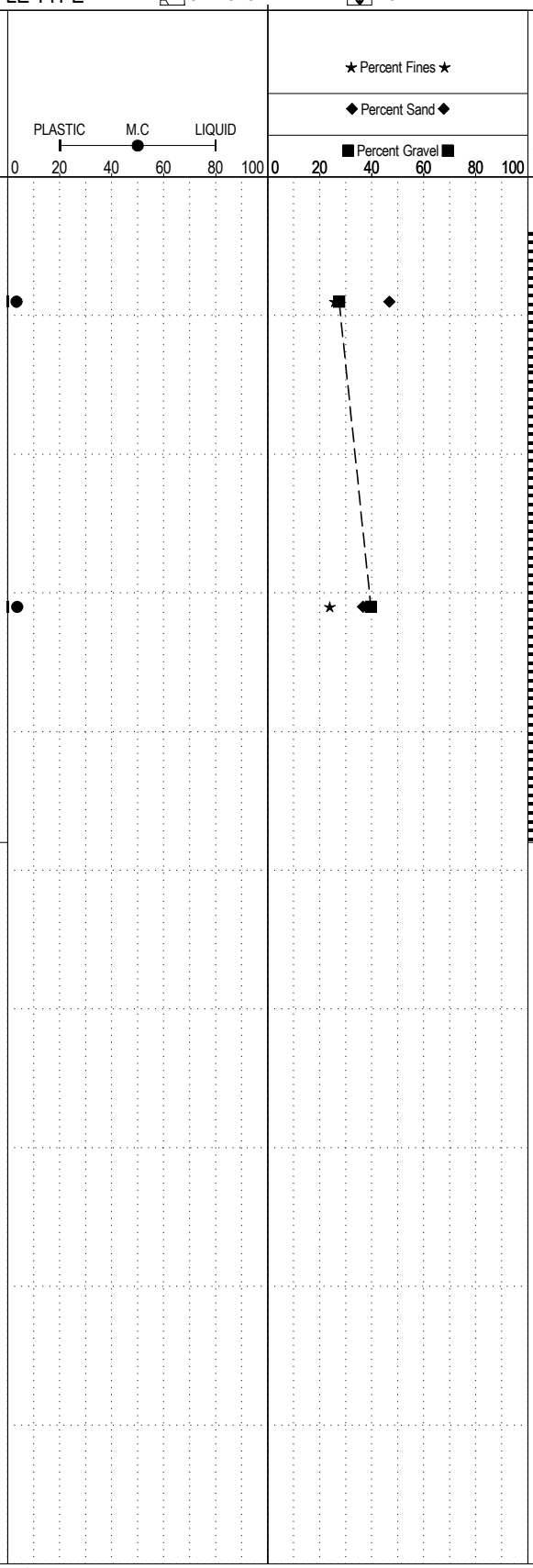
ELEV. (m)	PLASTIC — M.C — LIQUID (0 20 40 60 80 100)	★ Percent Fines ★ / ◆ Percent Sand ◆ / ■ Percent Gravel ■ (0 20 40 60 80 100)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				SA08				11
				SA09				12
							-Light grey green/blue tint	
				SA10				13
								14
				SA11				15
							END of HOLE	16
								17
								18
								19

Yukon — Highways and Public Works, Transportation Engineering Branch

LOGGED BY: K.Elmer	Termination Depth: 15.2m
COMPILED BY: R.Stilwell	Complete:
REVIEWED BY: K.Elmer	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5359**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6727763m E489258.5m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



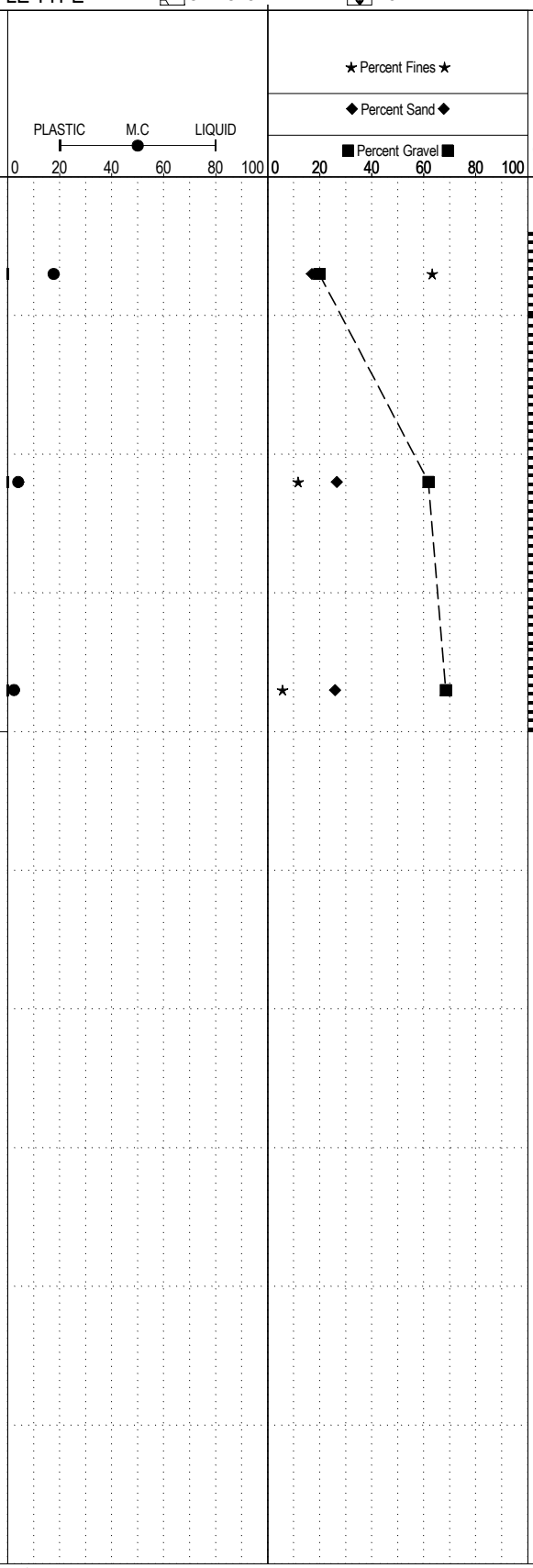
ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose	
		36	SM		SILTY SAND with GRAVEL -Tan/grey, dry, compact -Trace cobble	
		37	GM		SILTY GRAVEL with SAND -Grey, dry, compact -Trace cobbles, trace boulders	1 2
					END of HOLE -Refusal on rock	3 4

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2.4m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5360**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6728327m E488755.2m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



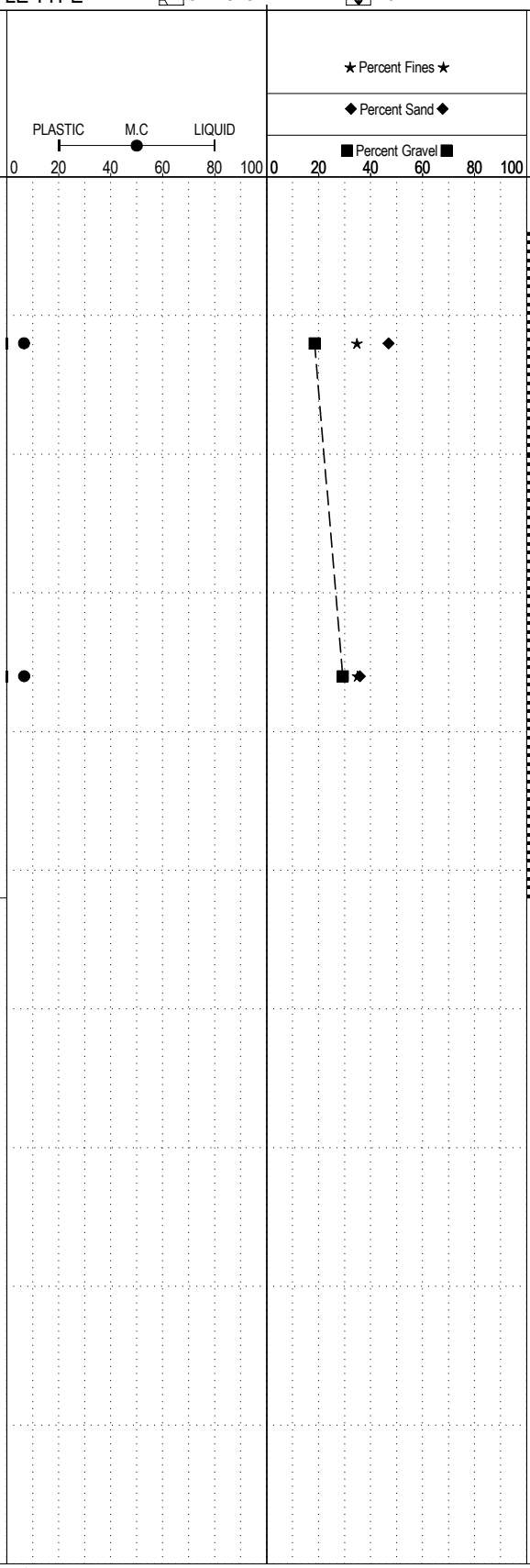
ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, moist, loose, fibrous	
		38	ML		GRAVELLY SILT with SAND -Tan/grey, dry, compact -Trace cobbles	
		39	GP-GM		POORLY GRADED GRAVEL with SILT and SAND -Grey, damp, compact	1
		40	GP-GM		SHALE -Dark grey/rust, fractured, hard	2
					END of HOLE -Refusal on shale.	3
						4

Yukon **Highways and Public Works**
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	4	SOURCE/TP#: **872-5361**
	Campbell Hwy Rock pit testing, km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates: Z09V N6728362m E488693.7m	ELEVATION: m

SAMPLE TYPE: UNDISTURBED, DCPT, AUGER, BULK, SPT, CORE



ELEV. (m)	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
					ORGANICS -Dark brown, damp, loose, fibrous	
					SILTY SAND with GRAVEL -Brown, damp, loose	
		41	SM			
					-Compact -Trace cobbles, trace boulders	1
		42	SM			2
					END of HOLE -Refusal on rock	3
						4

Yukon Highways and Public Works
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 2.6m
COMPILED BY: R.Stilwell	Complete: 10/10/2015
REVIEWED BY:	Pit #:

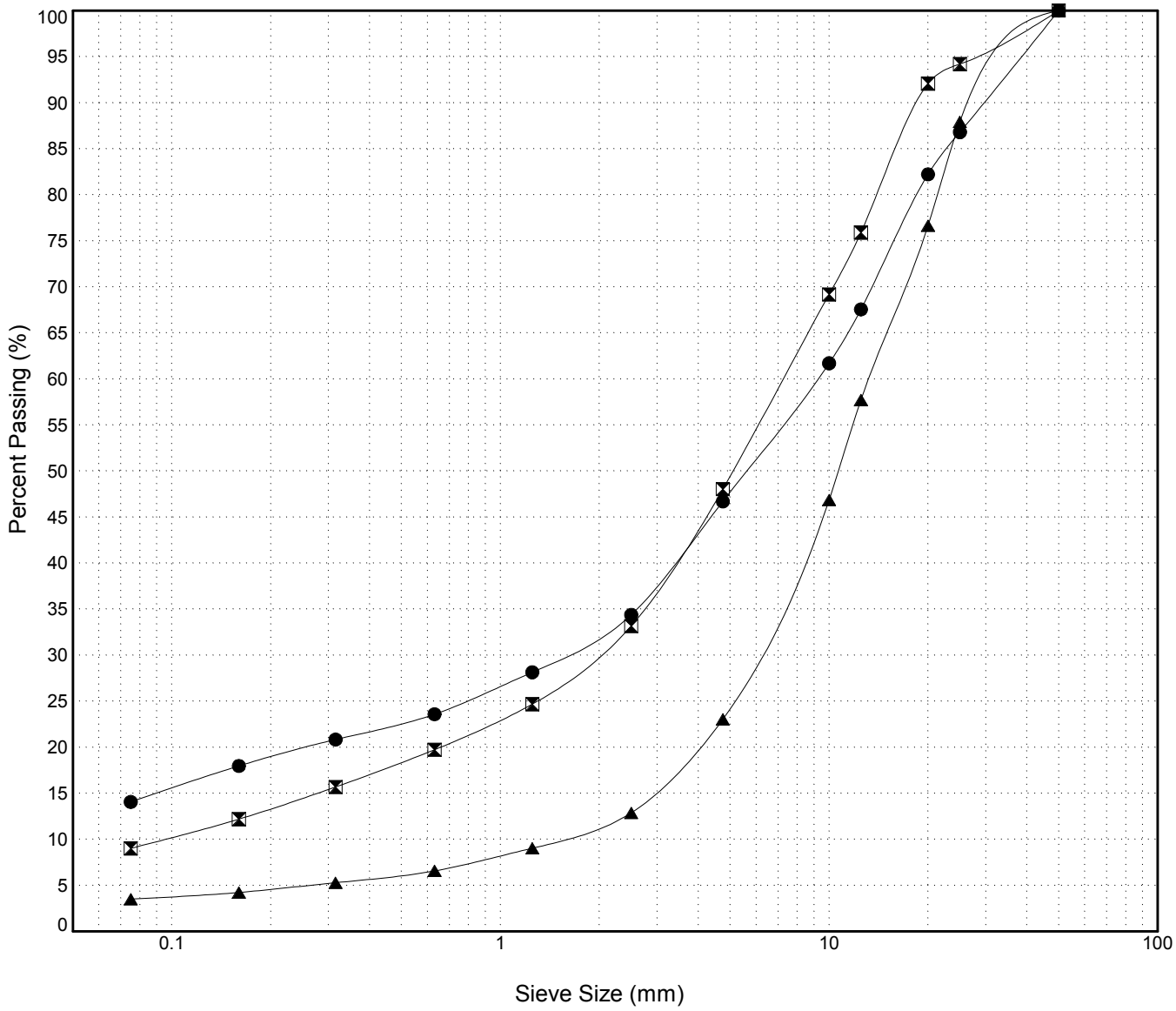
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5354**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6728001m E489004.7m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	23	150	0.2 to 0.5	SILTY GRAVEL with SAND(GM)	**2.8**	NP	NP	NP		
⊠	24	151	0.5 to 1.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	**2.2**	NP	NP	NP	5.4	76.3
▲	25	152	1.0 to 2.1	WELL-GRADED GRAVEL with SAND(GW)	**3.0**	NP	NP	NP	1.8	8.9

	Field #	Lab #		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	%Breakdown Gravel	Sand	Silt	Clay
●	23	150	%PASSING	100.0	100.0	100.0	86.8	82.2	67.5	61.7	46.7	34.4	28.1	23.6	20.8	18.0	14.1	**53.3**	**32.6**	**14.1**	
⊠	24	151		100.0	100.0	100.0	94.2	92.1	75.9	69.2	48.0	33.2	24.7	19.7	15.7	12.2	9.0	**52.0**	**39.0**	**9.0**	
▲	25	152		100.0	100.0	100.0	87.9	76.6	57.7	46.9	23.0	12.9	9.0	6.6	5.3	4.2	3.5	**77.0**	**19.5**	**3.5**	

Silt	Sand			Gravel		
	Fine	Medium	Coarse	Fine	Coarse	



Yukon Highways and Public Works Transportation Engineering Branch	LOGGED BY: Dave Lorenzi	Pit #:
	COMPILED BY: R.Stilwell	Complete: 10/10/2015
	REVIEWED BY:	Page 1 of 1

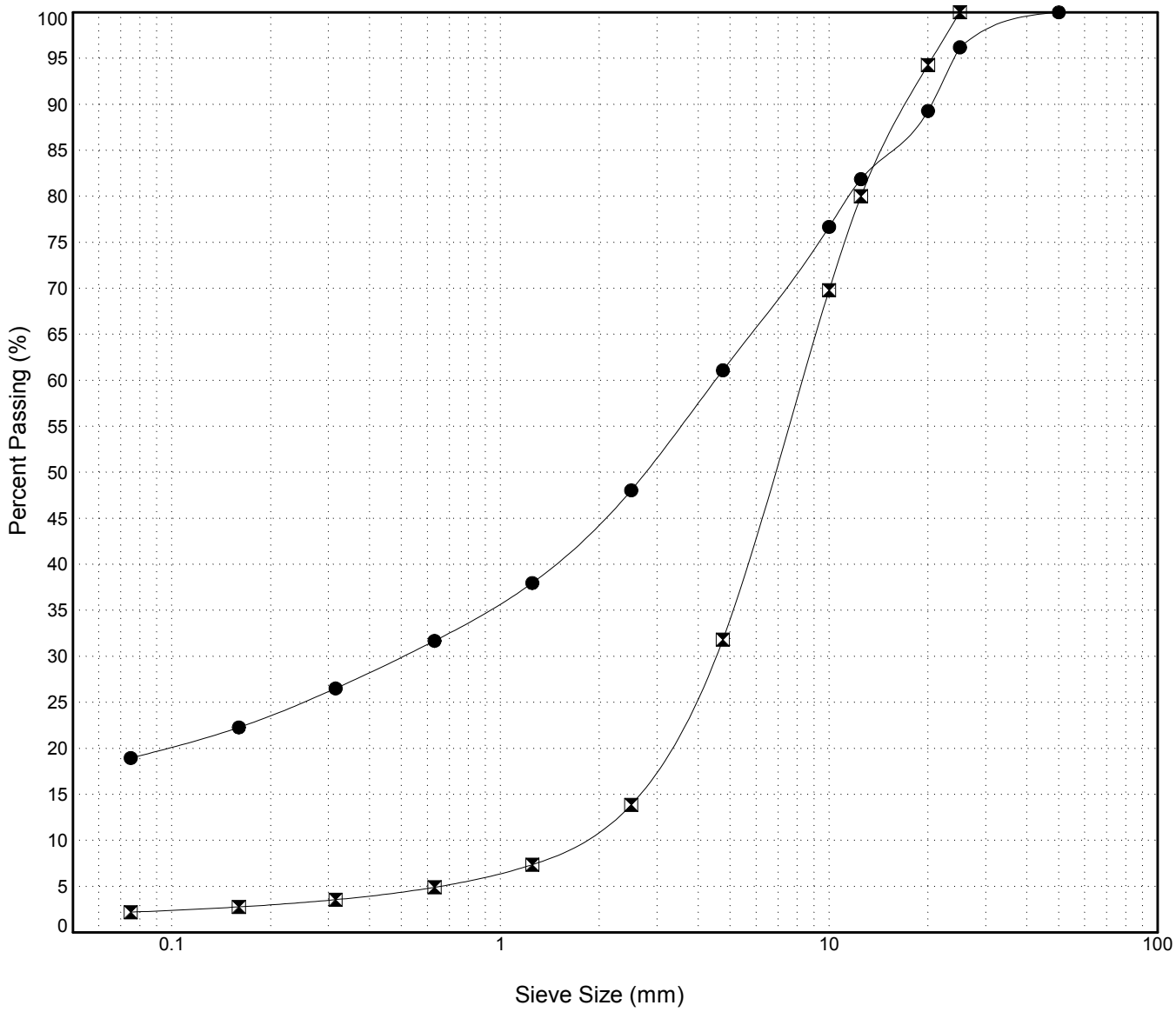
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5355**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6727926m E489020.1m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	27	153	0.2 to 0.8	SILTY SAND with GRAVEL(SM)	**3.8**	NP	NP	NP		
⊠	28	154	0.8 to 2.5	WELL-GRADED GRAVEL with SAND(GW)	**1.0**	NP	NP	NP	1.4	5.0

	Field #	Lab #		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	%Breakdown Gravel	Sand	Silt	Clay
●	27	153	%PASSING	100.0	100.0	100.0	96.2	89.3	81.9	76.7	61.1	48.1	38.0	31.7	26.5	22.3	19.0	**38.9**	**42.1**	**19.0**	
⊠	28	154		100.0	100.0	100.0	100.0	94.3	80.0	69.8	31.8	13.9	7.4	4.9	3.6	2.8	2.2	**68.2**	**29.6**	**2.2**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Yukon Highways and Public Works Transportation Engineering Branch	LOGGED BY: Dave Lorenzi	Pit #:
	COMPILED BY: R.Stilwell	Complete: 10/10/2015
	REVIEWED BY:	Page 1 of 1

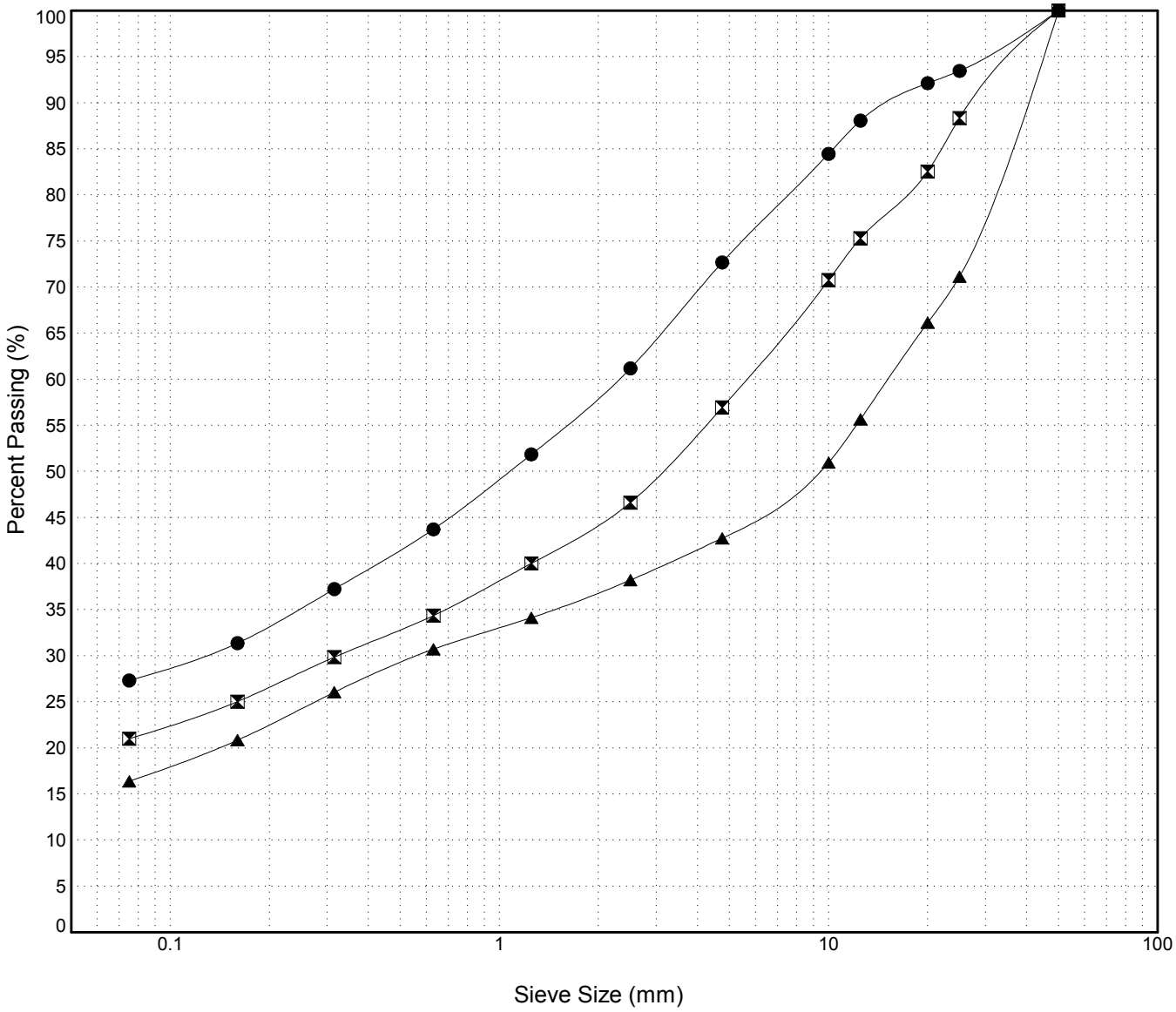
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5356**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6727866m E489064.4m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	29	155	0.2 to 1.0	SILTY SAND with GRAVEL(SM)	**6.1**	NP	NP	NP		
⊠	30	156	1.0 to 2.0	SILTY GRAVEL with SAND(GM)	**3.1**	NP	NP	NP		
▲	31	157	2.0 to 3.3	SILTY GRAVEL with SAND(GM)	**3.5**	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 Gravel	Sand	Silt	Clay
●	29	155	%PASSING	100.0	100.0	100.0	93.5	92.1	88.1	84.5	72.7	61.2	51.9	43.7	37.2	31.4	27.3	**27.3**	**45.4**	**27.3**	
⊠	30	156		100.0	100.0	100.0	88.3	82.5	75.3	70.8	56.9	46.6	40.0	34.4	29.9	25.0	21.0	**43.1**	**35.9**	**21.0**	
▲	31	157		100.0	100.0	100.0	71.1	66.1	55.7	51.0	42.8	38.2	34.1	30.7	26.0	20.8	16.4	**57.2**	**26.4**	**16.4**	

Silt	Sand			Gravel		
	Fine	Medium	Coarse	Fine	Coarse	



Yukon Highways and Public Works Transportation Engineering Branch	LOGGED BY: Dave Lorenzi	Pit #:
	COMPILED BY: R.Stilwell	Complete: 10/10/2015
	REVIEWED BY:	Page 1 of 1

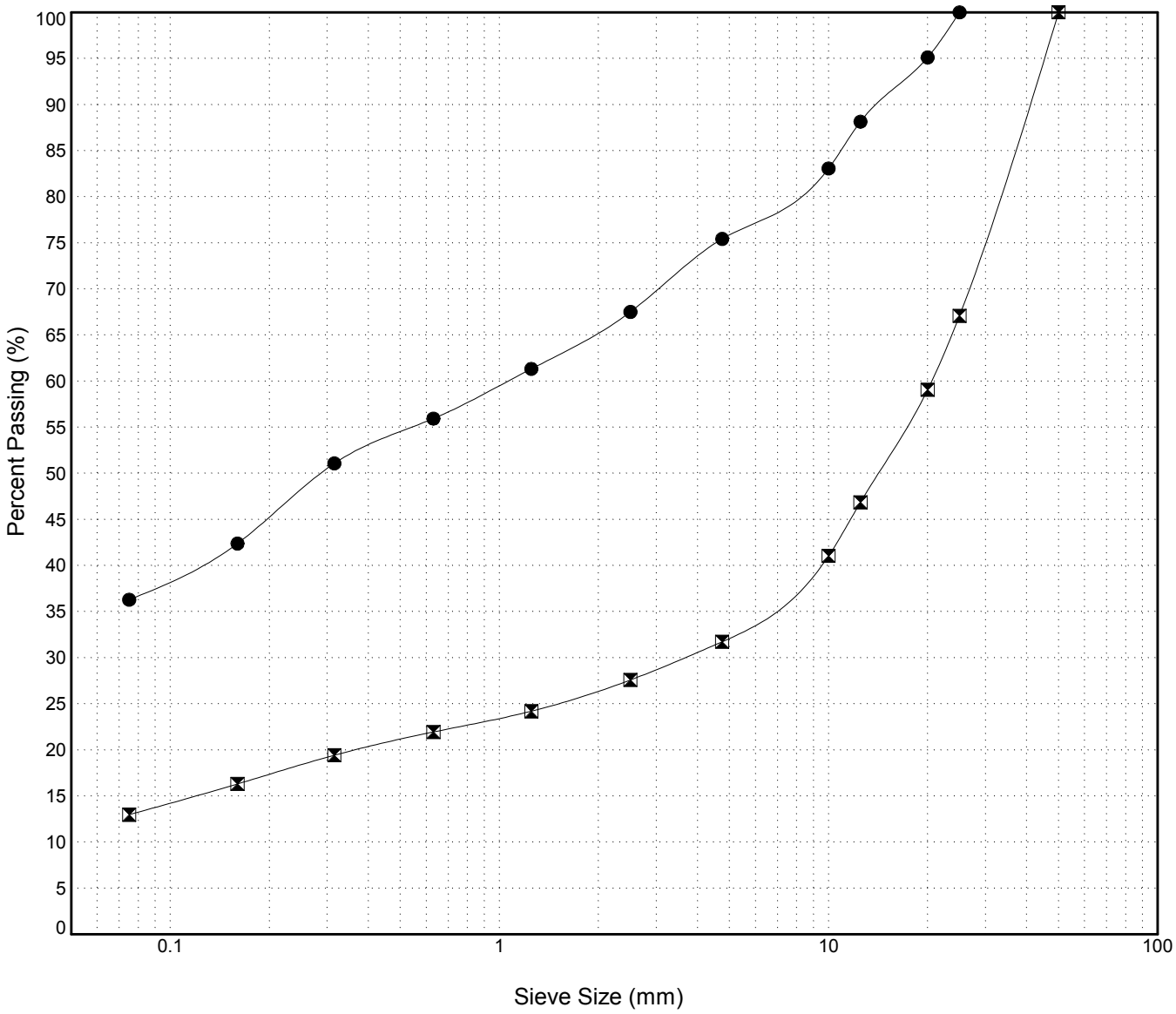
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5357**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6727822m E489105.7m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	32	158	0.2 to 1.0	SILTY SAND with GRAVEL(SM)	**5.5**	NP	NP	NP		
⧓	33	159	1.0 to 2.0	SILTY GRAVEL with SAND(GM)	**2.4**	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
●	32	158		100.0	100.0	100.0	100.0	95.1	88.1	83.1	75.4	67.5	61.3	55.9	51.1	42.4	36.3	**24.6**	**39.1**	**36.3**	
⧓	33	159		100.0	100.0	100.0	67.1	59.1	46.9	41.0	31.7	27.6	24.2	21.9	19.4	16.3	13.0	**68.3**	**18.8**	**13.0**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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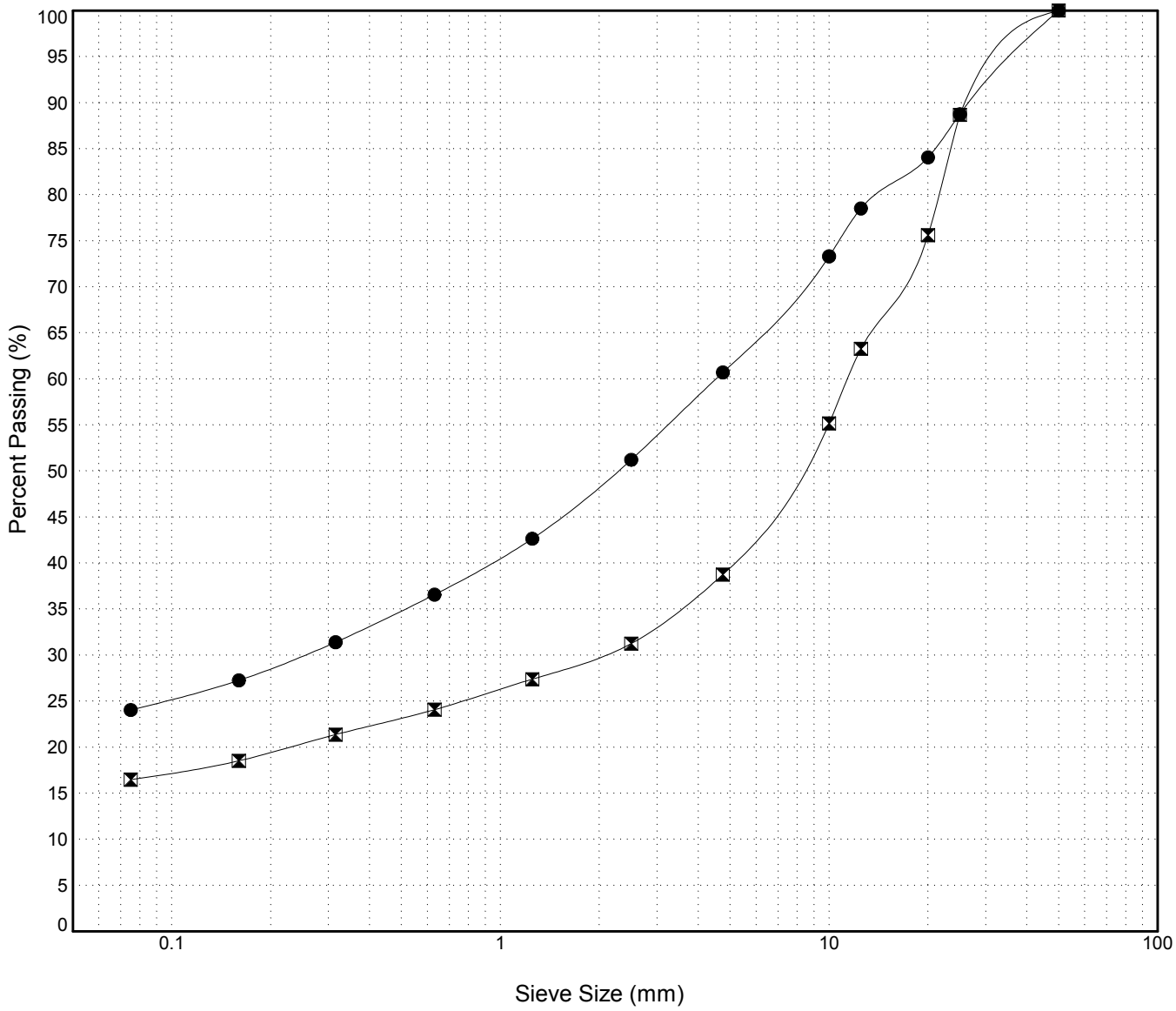
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5358**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6727820m E489204.2m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	34	160	0.2 to 0.7	SILTY GRAVEL with SAND(GM)	**7.6**	NP	NP	NP		
⊠	35	161	0.7 to 2.1	SILTY GRAVEL with SAND(GM)	**4.3**	NP	NP	NP		

	Field #	Lab #		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	%Breakdown Gravel	Sand	Silt	Clay
●	34	160	%PASSING	100.0	100.0	100.0	88.8	84.1	78.5	73.3	60.7	51.2	42.6	36.6	31.4	27.3	24.0	**39.3**	**36.7**	**24.0**	
⊠	35	161		100.0	100.0	100.0	88.7	75.6	63.3	55.2	38.7	31.3	27.4	24.1	21.4	18.5	16.5	**61.3**	**22.3**	**16.5**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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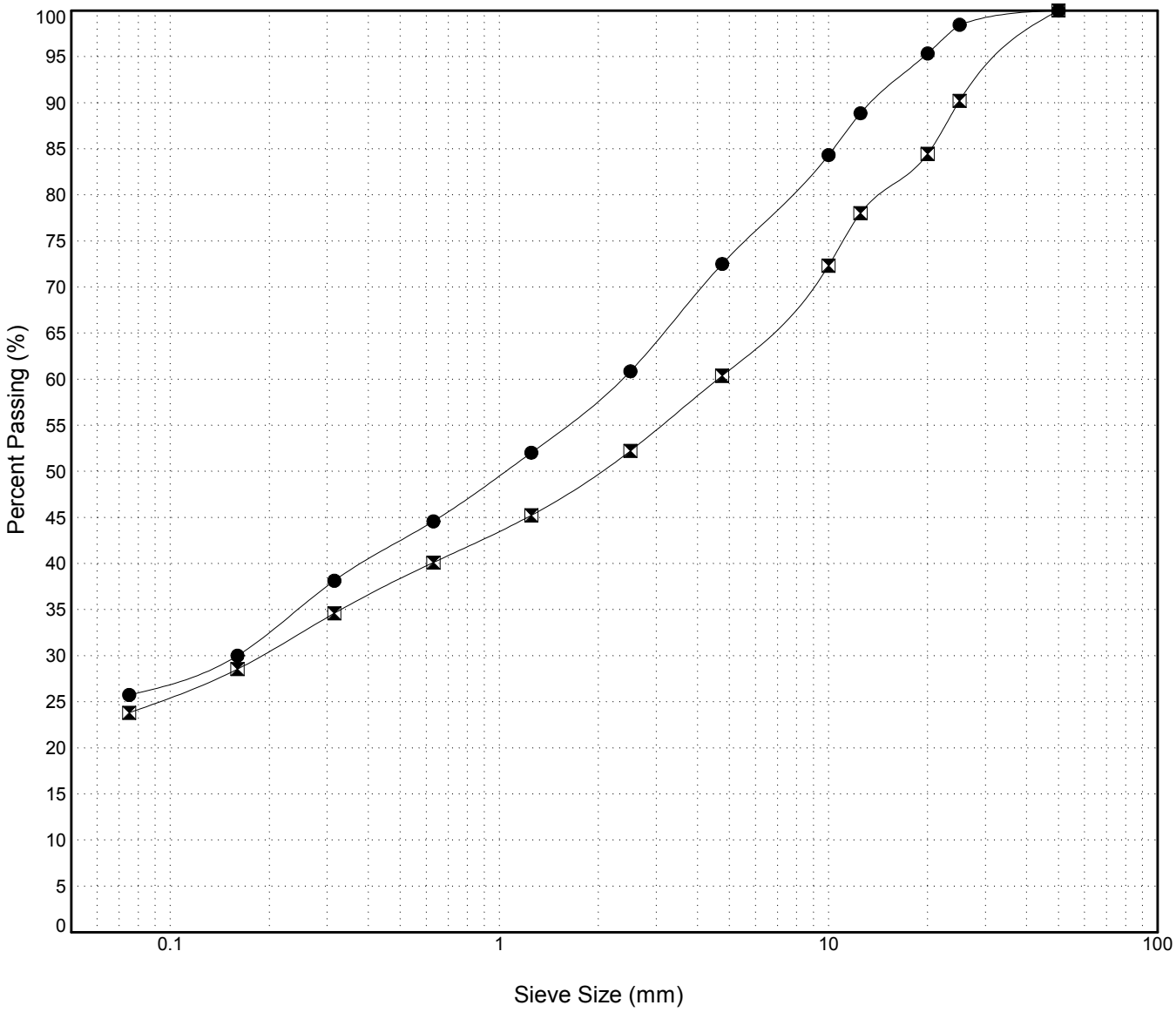
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5359**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6727763m E489258.5m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	36	162	0.2 to 0.7	SILTY SAND with GRAVEL(SM)	**3.4**	NP	NP	NP		
⊠	37	163	0.7 to 2.4	SILTY GRAVEL with SAND(GM)	**3.6**	NP	NP	NP		

	Field #	Lab #		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	%Breakdown Gravel	Sand	Silt	Clay
●	36	162	%PASSING	100.0	100.0	100.0	98.5	95.4	88.9	84.3	72.5	60.9	52.0	44.6	38.1	30.0	25.8	**27.5**	**46.8**	**25.8**	
⊠	37	163		100.0	100.0	100.0	90.2	84.5	78.0	72.3	60.4	52.2	45.2	40.1	34.6	28.6	23.8	**39.6**	**36.6**	**23.8**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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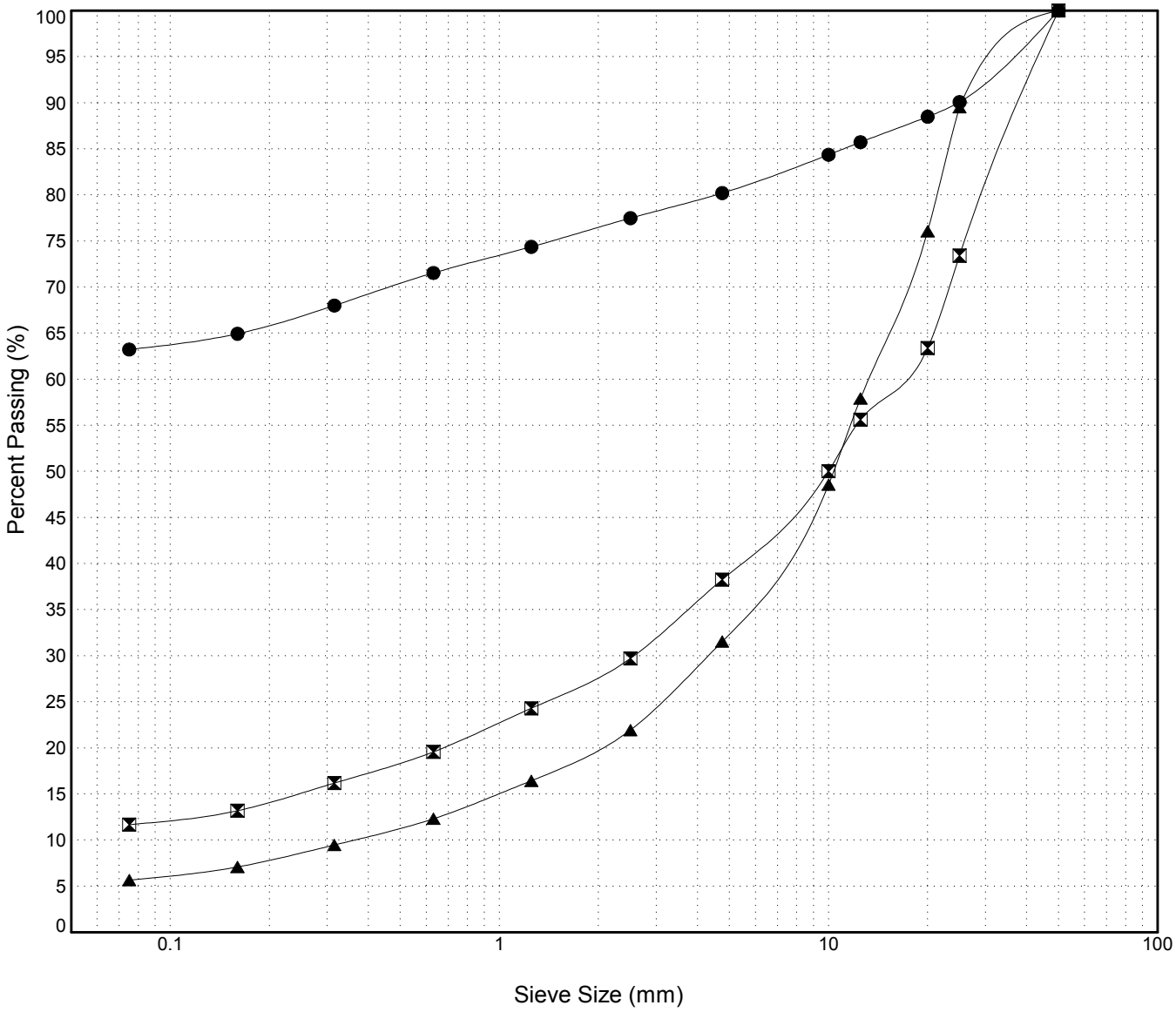
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5360**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6728327m E488755.2m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	38	164	0.2 to 0.5	GRAVELLY SILT with SAND(ML)	**17.6**	NP	NP	NP		
⊠	39	165	0.5 to 1.7	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	**4.0**	NP	NP	NP	12.5	507.4
▲	40	166	1.7 to 2.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	**2.4**	NP	NP	NP	3.9	36.8

	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
●	38	164		100.0	100.0	100.0	90.1	88.5	85.7	84.4	80.2	77.5	74.4	71.5	68.0	64.9	63.2	**19.8**	**17.0**	**63.2**	
⊠	39	165		100.0	100.0	100.0	73.4	63.4	55.6	50.0	38.3	29.7	24.3	19.6	16.2	13.2	11.7	**61.7**	**26.6**	**11.7**	
▲	40	166		100.0	100.0	100.0	89.5	76.1	57.9	48.6	31.5	21.9	16.4	12.3	9.5	7.1	5.7	**68.5**	**25.9**	**5.7**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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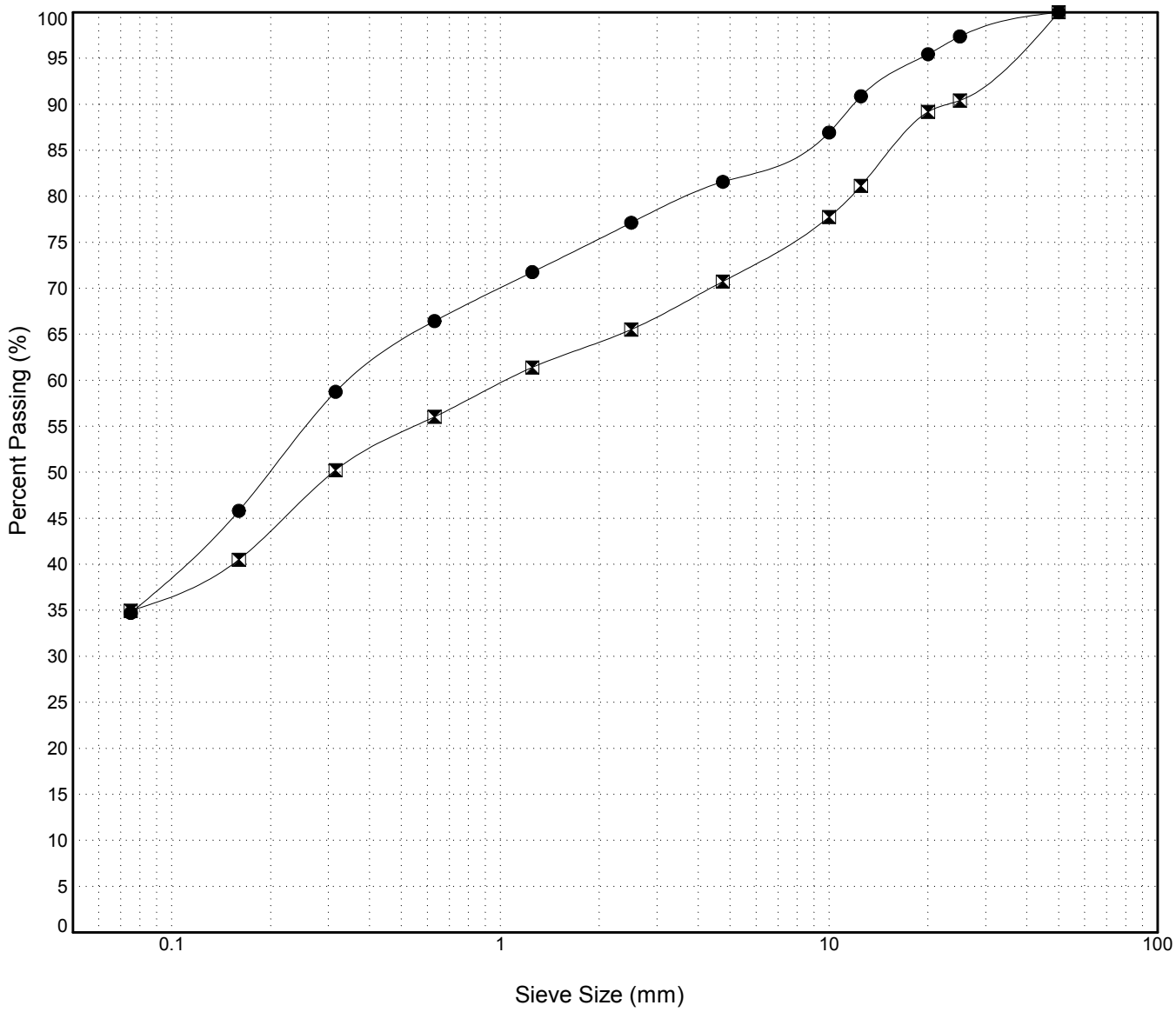
GRAIN SIZE ANALYSIS	Campbell Hwy Rock pit testing	SOURCE/TP#: **872-5361**
	km 82.4 LHS	PROJECT NO: 552-202104-2035-0661-5
CASE 9040B	Coordinates:Z09V N6728362m E488693.7m	ELEVATION: m

Master Revised July 2013

	Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
●	41	167	0.2 to 1.0	SILTY SAND with GRAVEL(SM)	**6.6**	NP	NP	NP		
⊠	42	168	1.0 to 2.6	SILTY SAND with GRAVEL(SM)	**6.7**	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 Gravel	Sand	Silt	Clay
●	41	167	%PASSING	100.0	100.0	100.0	97.4	95.5	90.9	86.9	81.6	77.1	71.8	66.4	58.8	45.8	34.7	**18.4**	**46.9**	**34.7**	
⊠	42	168		100.0	100.0	100.0	90.4	89.2	81.1	77.8	70.7	65.5	61.4	56.0	50.2	40.5	35.0	**29.3**	**35.8**	**35.0**	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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