


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4870					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049393m E446610m		ELEVATION: m					
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							
					01			ORGANICS	
					02			POORLY GRADED GRAVEL with SILT and SAND -Orange- brown, moist, coarse -5-10% cobbles	1
					03			WELL-GRADED GRAVEL with SAND -Grey, moist, coarse -10-15% cobbles with odd boulder	2
								WELL-GRADED GRAVEL with SAND -Grey, moist, coarse -10-15% cobbles with odd boulder	3
								WELL-GRADED GRAVEL with SAND -Grey, moist, coarse -10-15% cobbles with odd boulder	4
								End of hole	



SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4871					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049341m E446663m		ELEVATION: m					
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)	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)
								ORGANICS	
					04			WELL-GRADED GRAVEL with SAND - Red, moist, fine sand -5% Cobbles	1
					05			- Grey , damp, coarse -10-15% cobbles	2
					06			POORLY GRADED SAND with GRAVEL -Grey, damp, coarse -Very little rock	3
					07			-Grey , damp, coarse -10-15% cobbles	
								End of hole	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 9:56:00 AM	
						REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4872					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049270m E446746m		ELEVATION: m					
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)
								ORGANICS	
					08			POORLY GRADED SAND with SILT -Red, damp. soft -No rock, mostly silt	
					09			SILTY SAND with GRAVEL -Tan sandy silt, damp. soft -A few rocks	1
									2
									3
					10			POORLY GRADED GRAVEL with SAND -Brown sandy gravel, damp, coarse -10-15% cobbles	
								End of hole	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 11:04:00 AM	
						REVIEWED BY: R. Stilwell		Pit #: 115P-16B Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4873					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049194m E446815m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input checked="" 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							
								Organics	
					11			WELL-GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10% cobbles	1
					12			-POORLY GRADED GRAVEL with SAND -Brownish grey , damp, coarse -10-15 % cobbles	2
					13			-SILTY GRAVEL with SAND -Brownish grey, damp, coarse -10-15 % cobbles, some clay	3
								END of HOLE	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy		Termination Depth: 4.1m					
		COMPILED BY: G. Kennedy		Complete: 9/18/2014 12:00:00 PM					
		REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1					

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4874					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049112m E446880m		ELEVATION: m					
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)	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)
					14			-Organics POORLY GRADED GRAVEL with SILT and SAND -Orange, damp, coarse -5-10% cobbles	1
					15			-POORLY GRADED GRAVEL with SAND -Brownish grey, damp, coarse -10-15% cobbles	2
					16			-POORLY GRADED SAND with GRAVEL -Tan, damp, fine -Little to no rock	3
								End of hole	4





SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4875					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049202m E447003m		ELEVATION: m					
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)	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)
					17			Organics	
					18			-POORLY GRADED SAND with SILT and GRAVEL -Reddish brown , damp, coarse -2-5% cobbles	1
					19			-POORLY GRADED GRAVEL with SAND -Grey , damp, coarse -5-10 % cobbles	2
								-Greyish , damp, coarse -5 % cobbles	3
								-End of hole	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 2:23:00 PM	
						REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4876	
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2	
CAT Excavator 225		Coordinates: Z08V N7049270m E446940m		ELEVATION: m	
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)
					ORGANICS -POORLY GRADED GRAVEL with SILT and SAND -Orange brown , damp, coarse -3-5% cobbles
			20		1
			21		2
			22		3
					4
					END OF HOLE




SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4877					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049375m E446891m		ELEVATION: m					
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)	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)
					23			ORGANICS	
					24			-WELL-GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10 % cobbles	1
					25			-POORLY GRADED GRAVEL with SAND -Greyish brown , damp, coarse -5-10 % cobbles	2
								-Greyish brown, damp, coarse -5-10 % cobbles	3
								-END OF HOLE	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 4:02:00 PM	
						REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4878					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049414m E446869m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input checked="" 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							
								ORGANICS	
								Reddish clay with silt	
					26			-POORLY GRADED SAND with SILT and GRAVEL -Brownish red , damp, coarse -5-10% cobbles	1
					27			-WELL-GRADED GRAVEL with SAND -Brown , damp, coarse -10-15 % cobbles, no boulders	2
					28			-POORLY GRADED GRAVEL with SAND -Same as above	3
								-End of hole	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 4:36:00 PM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4879					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049467m E446974m		ELEVATION: m					
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							
								ORGANICS	
					29			-WELL-GRADED GRAVEL with SAND -Reddish brown , damp. coarse -5-10 % cobbles	1
					30			-Greyish brown , damp, coarse -5-10 % cobbles	2
					31			-Greyish brown , damp, coarse -5% cobbles	3
								-END OF HOLE	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 5:10:00 PM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4880					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049598m E446903m		ELEVATION: m					
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)	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)
					32			ORGANICS	
					33			-POORLY GRADED SAND -Reddish , damp, coarse -1-2 % rock	1
					34			-POORLY GRADED SAND with GRAVEL -Brownish grey , damp, coarse -Approx 5% cobbles	2
								-POORLY GRADED SAND with SILT -Red , damp, soft -No visible rock	3
								END OF HOLE	4
		Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy		Termination Depth: 3m			
				COMPILED BY: G. Kennedy		Complete: 9/18/2014 5:55:00 PM			
				REVIEWED BY: R.Stilwell		Pit #: 115P-16B		Page 1 of 1	


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4881					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049401m E447045m		ELEVATION: m					
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							
								ORGANICS	
					35			WELL-GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10% cobbles	1
					36			POORLY GRADED GRAVEL with SAND -Greyish brown , damp, coarse -10-15 % cobbles	2
					37			-Greyish brown , damp, coarse -5-10 % cobbles	3
								END OF HOLE	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 8:56:00 AM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4882					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049340m E447106m		ELEVATION: m					
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)
								ORGANICS	
					38			POORLY GRADED SAND with GRAVEL -Orange brown, damp, coarse -5-10% cobbles	1
					39			WELL-GRADED GRAVEL with SAND -Greyish brown, damp, coarse -10-15% cobbles	2
					40			-Greyish brown, damp, coarse -10-15% cobbles	3
								END OF HOLE	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 9:30:00 AM	
						REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1	


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4883					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049274m E447145m		ELEVATION: m					
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)	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)
								ORGANICS	
					41			WELL-GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10% cobbles	1
					42			-POORLY GRADED GRAVEL with SAND -Brown , damp, coarse -10-15 % cobbles	2
					43			-Brown , damp, coarse -5-10% cobbles	3
								END OF HOLE	4
		Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy		Termination Depth: 4.2m			
				COMPILED BY: G. Kennedy		Complete: 9/18/2014 10:00:00 AM			
				REVIEWED BY: R.Stilwell		Pit #: 115P-16B		Page 1 of 1	


SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4884					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049361m E447277m		ELEVATION: m					
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							
								ORGANICS	
					44			-WELL-GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10% cobbles	1
								-POORLY GRADED GRAVEL with SAND -Brown , damp, coarse -10-15 % cobbles	2
					45				3
					46			-WELL-GRADED GRAVEL with SAND -Brown , damp, coarse -10-15 % cobbles	4
								END OF HOLE	
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy		Termination Depth: 4.2m					
		COMPILED BY: G. Kennedy		Complete: 9/18/2014 10:41:00 AM					
		REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1					

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4885					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049446m E447214m		ELEVATION: m					
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							
								ORGANICS	
					47			-POORLY GRADED GRAVEL with SAND -Orange brown , damp, coarse -10-15 % cobbles	1
					48			-WELL-GRADED GRAVEL with SAND -Brown , damp , coarse -10-15 % cobbles	2
					49			-Brown , damp , coarse -10-15 % cobbles	3
								END OF HOLE	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4.2m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 11:28:00 AM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4886					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049531m E447146m		ELEVATION: m					
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)	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							
								ORGANICS	
					50			-POORLY GRADED GRAVEL with SAND -Orange brown , damp, coarse -5-10 % Cobbles	
					51			-WELL-GRADED GRAVEL with SAND -Brown , damp, coarse -5-10% Cobbles	1
								-SAND SEAM -Tan damp, coarse	2
									3
					52			-POORLY GRADED GRAVEL with SAND -Brown , damp, coarse -5-10 % Cobbles	
								END OF HOLE	4
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 0m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4887					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049605m E447070m		ELEVATION: m					
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)	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							
								ORGANICS	
					53			WELL-GRADED GRAVEL with SAND -Orange brown , damp , coarse -5-10 % Cobbles	1
					54			-Brown -10-15 % Cobbles	2
					55			-POORLY GRADED GRAVEL with SAND -Brown , damp , coarse -5-10 % Cobbles	4
								END OF HOLE	
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy		Termination Depth: 4.2m					
		COMPILED BY: G. Kennedy		Complete: 9/18/2014 1:12:00 PM					
		REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1					

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4888					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049673m E447015m		ELEVATION: m					
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							
								ORGANICS	
					56			POORLY GRADED GRAVEL with SAND -Orange brown, damp, coarse -5-10 % Cobbles	1
					57			Brown , damp, coarse -10-15 % Cobbles	2
					58			-WELL-GRADED GRAVEL with SAND -Brown , damp, coarse -5-10% Cobbles	4
								END OF HOLE	
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4.1m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 2:08:00 PM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				

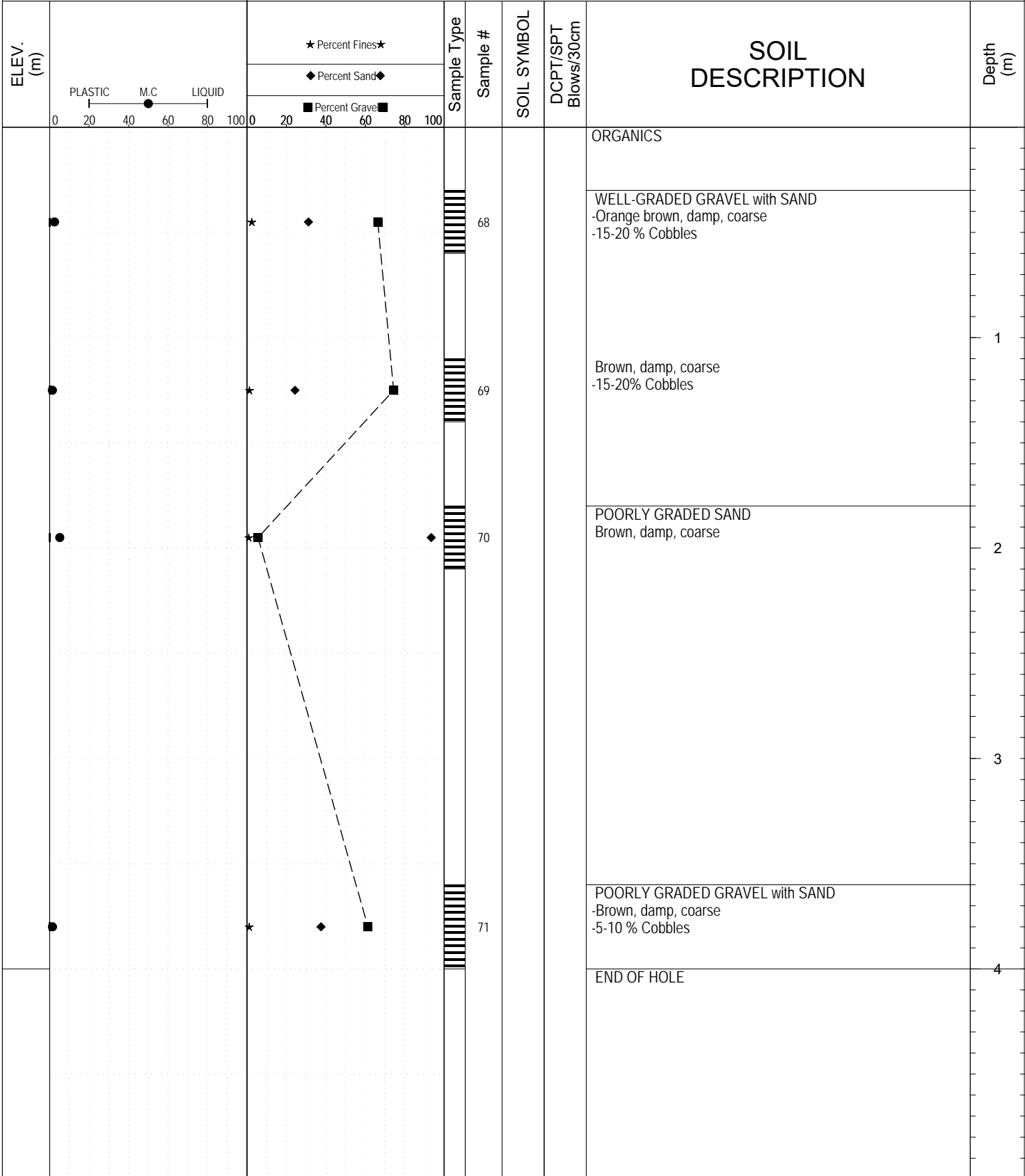
SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4889					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049474m E447386m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> 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							
								ORGANICS	
					59			POORLY GRADED GRAVEL with SAND -Orange brown, damp, coarse -5-10 % Cobbles	1
					60			Brown, damp, coarse -5-10 % Cobbles	2
								Tan, sand seam -Brown, damp, soft -No rock	3
					61			Brown , damp, coarse -5-10 % Cobbles	4
								END OF HOLE	
 Highways and Public Works Transportation Engineering Branch		LOGGED BY: G. Kennedy			Termination Depth: 4.2m				
		COMPILED BY: G. Kennedy			Complete: 9/18/2014 2:46:00 PM				
		REVIEWED BY: R.Stilwell			Pit #: 115P-16B Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT Silver Trail SOURCE/TP#: 839-4892

Wilfs Contracting Pit exploration, km 38.0 RHS PROJECT NO: 552-202021-0204-02-2

CAT Excavator 225 Coordinates: Z08V N7049711m E447193m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



Highways and Public Works
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LOGGED BY: G. Kennedy	Termination Depth: 4m
COMPILED BY: G. Kennedy	Complete: 9/18/2014 4:46:00 PM
REVIEWED BY: R.Stilwell	Pit #: 115P-16B Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		Silver Trail		SOURCE/TP#: 839-4893					
Wilfs Contracting		Pit exploration, km 38.0 RHS		PROJECT NO: 552-202021-0204-02-2					
CAT Excavator 225		Coordinates: Z08V N7049790m E447146m		ELEVATION: m					
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)	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)
					72			ORGANICS	1
					73			SILTY SAND -Tan, damp, loose -No visible rock	2
					74			POORLY GRADED SAND with GRAVEL -Brown, damp, coarse -0-5 % Cobbles	3
								Brown, damp, loose -0-2% Cobbles	4
								END OF HOLE	4
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: G. Kennedy		Complete: 9/18/2014 5:41:00 PM	
						REVIEWED BY: R.Stilwell		Pit #: 115P-16B Page 1 of 1	

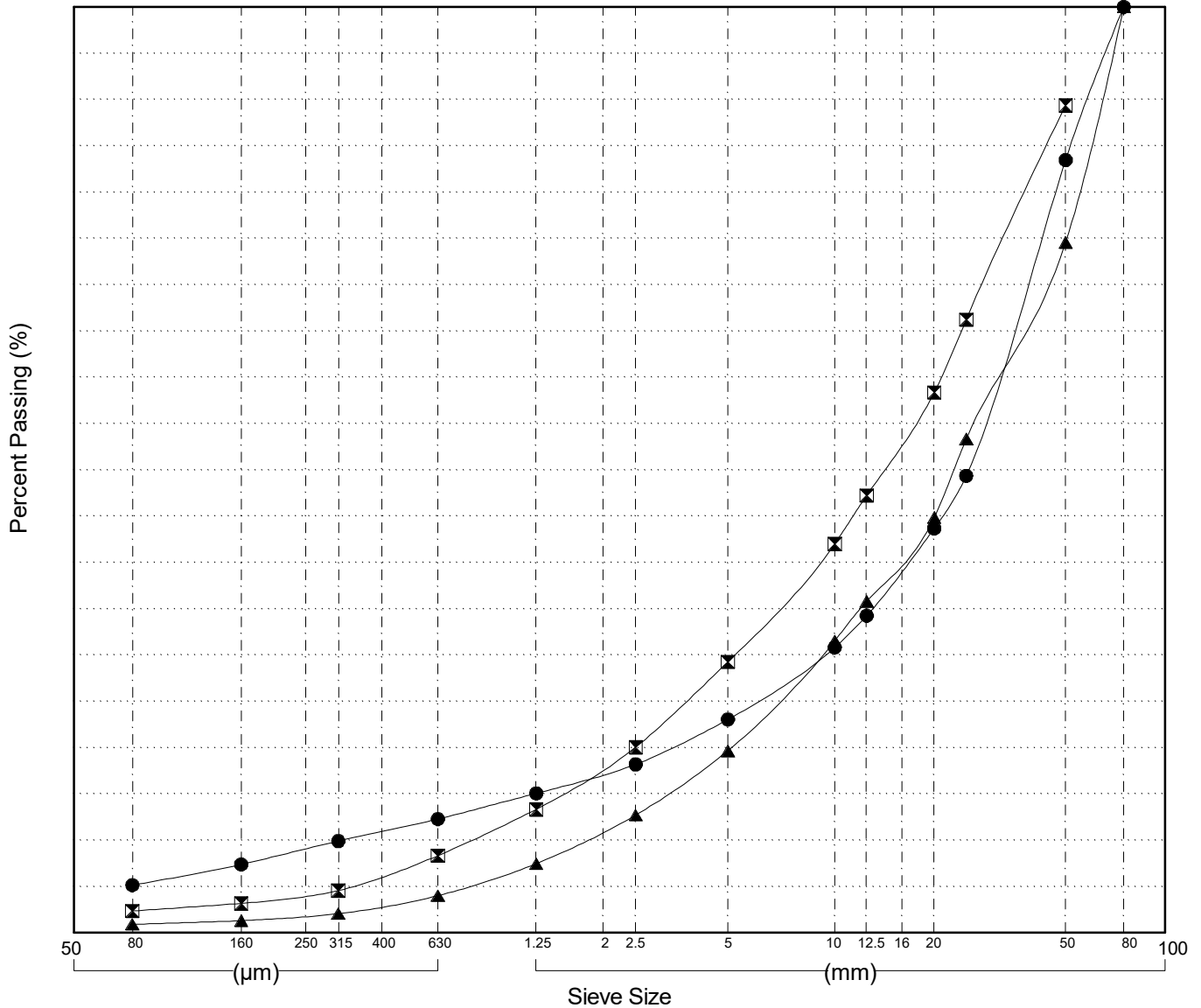
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4870
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049393m E446610m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 01	641	0.2 to 0.4	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.7	NP	NP	NP	8.5	96.2
☒ 02	642	1.8 to 2.2	WELL-GRADED GRAVEL with SAND(GW)	2.2	NP	NP	NP	1.5	26.5
▲ 03	643	3.6 to 4.0	WELL-GRADED GRAVEL with SAND(GW)	0.9	NP	NP	NP	1.5	17.8

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
● 01	641	100.0	100.0	100.0	83.5	49.4	43.7	34.3	30.8	23.0	18.2	15.1	12.3	9.9	7.4	5.2	77.0	17.9	5.2	
☒ 02	642	100.0	100.0	89.4	66.2	58.4	47.2	42.0	29.3	20.0	13.3	8.3	4.6	3.2	2.4	60.1	26.9	2.4		
▲ 03	643	100.0	100.0	74.6	53.3	44.9	35.8	31.5	19.7	12.7	7.5	4.0	2.1	1.3	0.9	80.3	18.7	0.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit # 115P-16B
Complete: 9/18/2014 9:10:00 AM

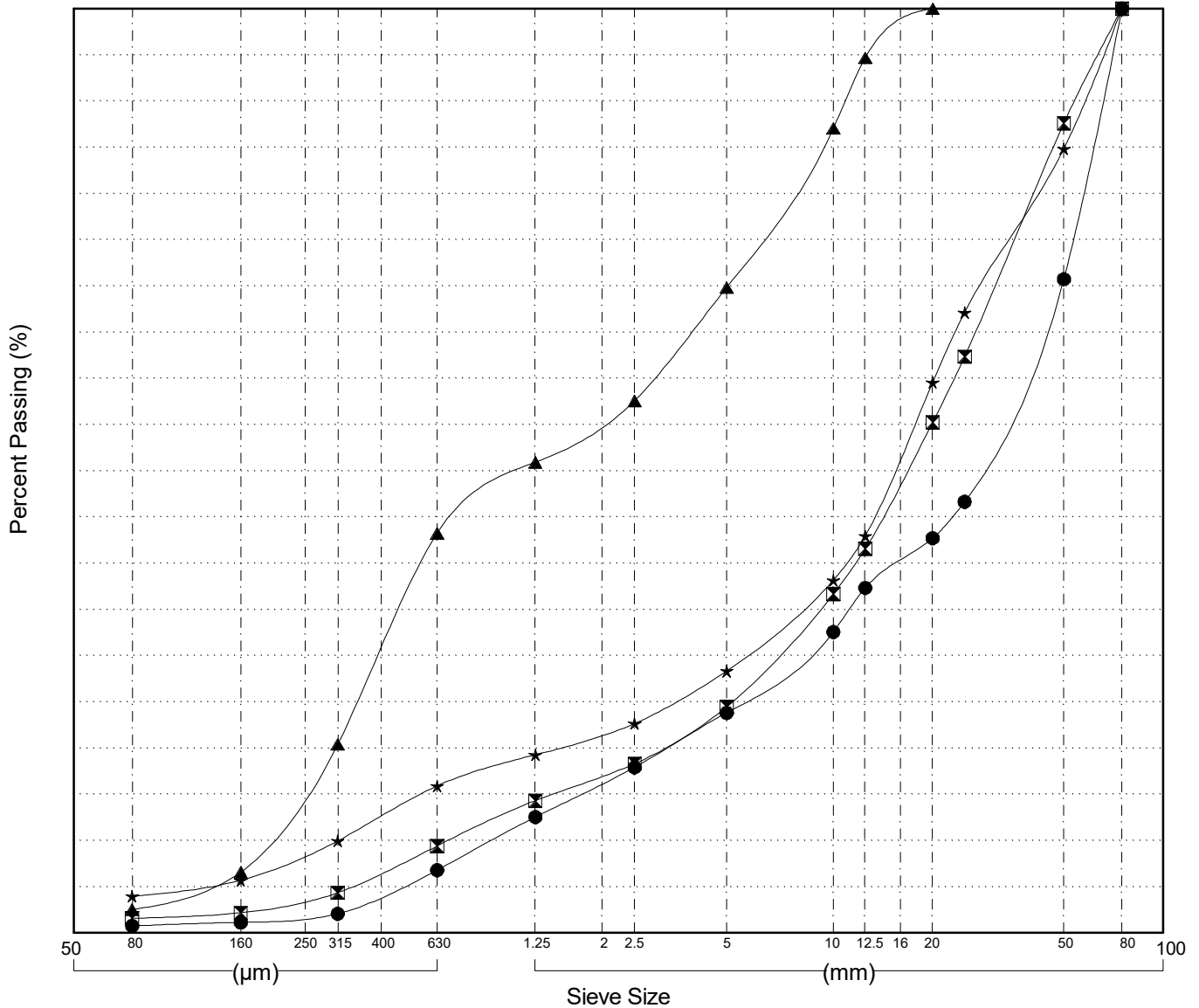
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049341m E446663m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 04	644	0.4 to 0.7	WELL-GRADED GRAVEL with SAND(GW)	1.7	NP	NP	NP	1.9	39.8
☒ 05	645	1.4 to 1.7	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	2.8	34.0
▲ 06	646	2.4 to 2.7	POORLY GRADED SAND with GRAVEL(SP)	2.4	NP	NP	NP	0.3	15.0
★ 07	647	3.5 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	2.2	NP	NP	NP	4.5	64.0

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
● 04	644	100.0	100.0	70.7	46.7	42.7	37.3	32.6	23.8	17.9	12.5	6.8	2.1	1.1	0.8	76.2	23.0	0.8	
☒ 05	645	100.0	100.0	87.6	62.4	55.3	41.6	36.7	24.5	18.3	14.3	9.4	4.4	2.2	1.6	75.5	22.9	1.6	
▲ 06	646	100.0	100.0	100.0	100.0	100.0	94.7	87.1	69.8	57.6	50.9	43.2	20.4	6.6	2.5	30.2	67.3	2.5	
★ 07	647	100.0	100.0	84.8	67.1	59.6	43.0	38.2	28.3	22.7	19.3	15.9	10.0	5.7	4.0	71.7	24.4	4.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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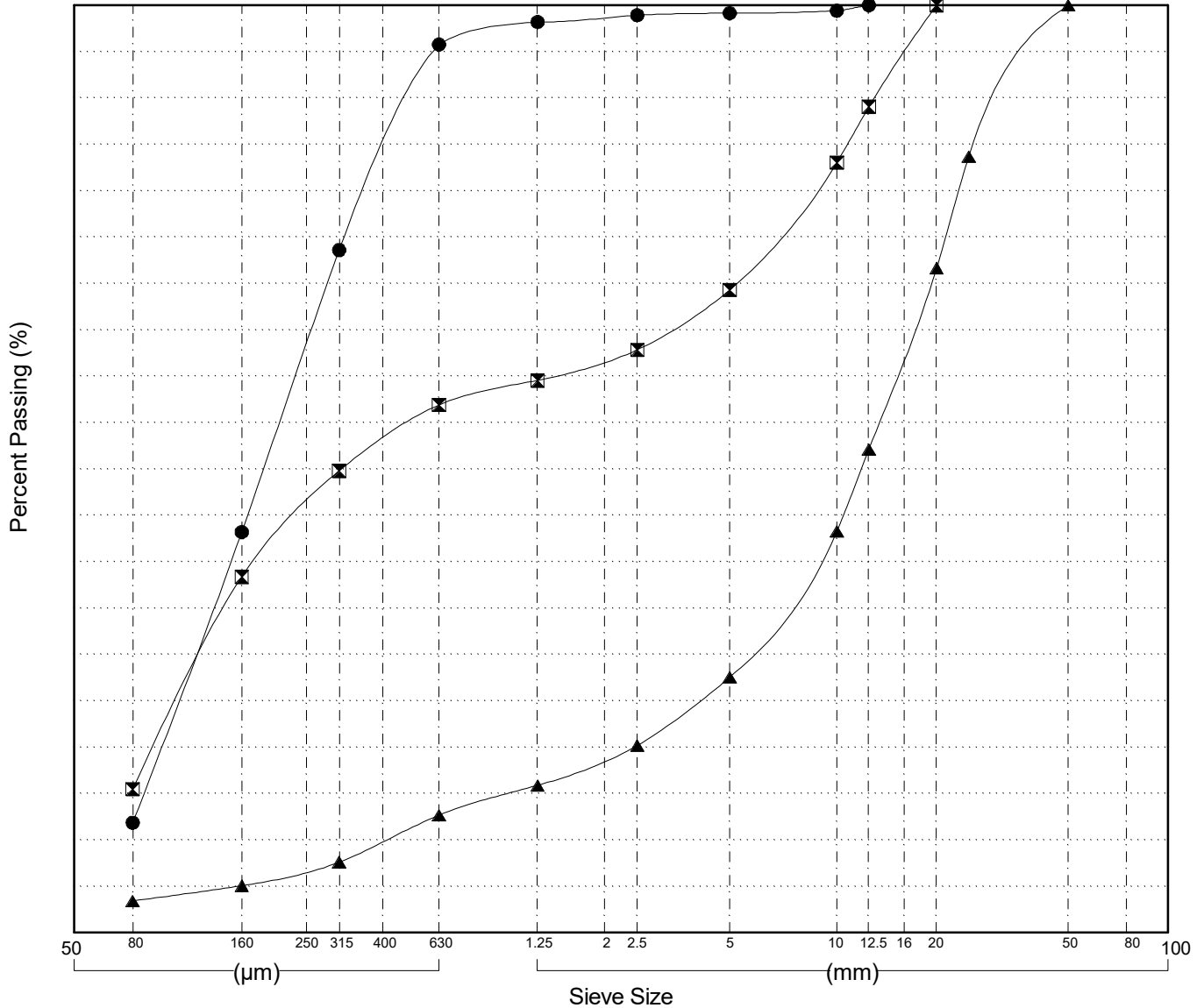
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049270m E446746m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 08	648	0.2 to 0.5	POORLY GRADED SAND with SILT(SP-SM)	3.7	NP	NP	NP	0.8	3.2
☒ 09	649	0.8 to 1.2	SILTY SAND with GRAVEL(SM)	4.0	NP	NP	NP		
▲ 10	670	3.6 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.1	NP	NP	NP	4.3	34.6

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														
● 08	648	100.0	100.0	100.0	100.0	100.0	100.0	99.4	99.1	98.9	98.2	95.8	73.6	43.2	11.9		0.9	87.3	11.9	
☒ 09	649	100.0	100.0	100.0	100.0	100.0	89.0	83.0	69.3	62.8	59.6	56.9	49.8	38.4	15.5		30.7	53.8	15.5	
▲ 10	670	100.0	100.0	100.0	83.7	71.7	52.1	43.3	27.5	20.2	15.9	12.7	7.6	5.1	3.4		72.5	24.1	3.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit # 115P-16B
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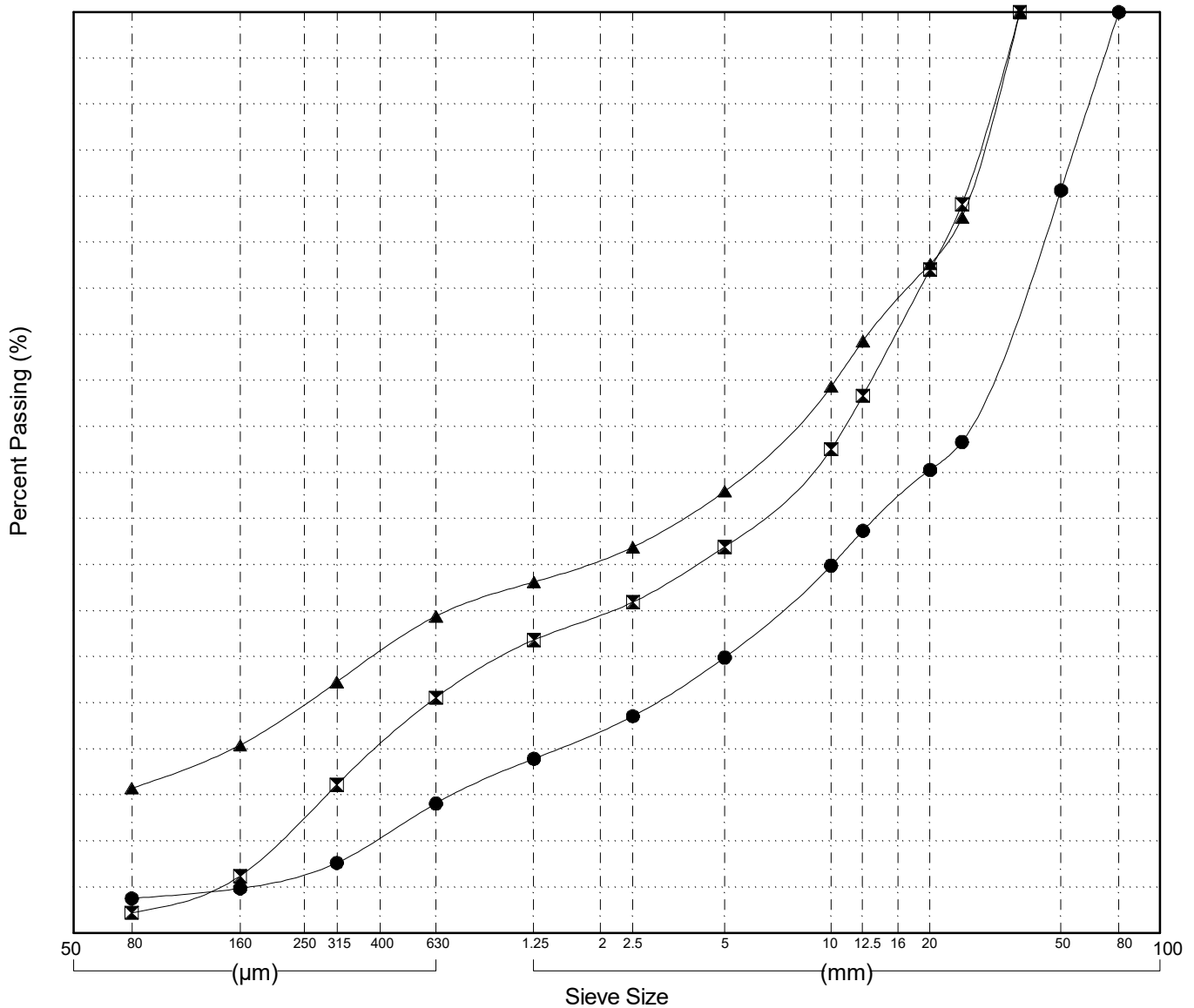
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4873
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates:Z N7049194m E446815m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 11	651	0.2 to 0.5	WELL-GRADED GRAVEL with SAND(GW)	3.2	NP	NP	NP	1.9	72.9
☒ 12	652	1.4 to 1.8	POORLY GRADED GRAVEL with SAND(GP)	3.5	NP	NP	NP	0.4	63.8
▲ 13	653	3.4 to 3.7	SILTY GRAVEL with SAND(GM)	4.4	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
● 11	651	100.0	100.0	100.0	80.6	53.3	50.3	43.7	39.9	29.9	23.6	18.9	14.1	7.6	4.9	3.8	70.1	26.1	3.8
☒ 12	652	100.0	100.0	100.0	79.1	72.1	58.4	52.6	41.9	35.9	31.8	25.6	16.1	6.2	2.2	58.1	39.7	2.2	
▲ 13	653	100.0	100.0	100.0	77.7	72.7	64.3	59.4	48.0	41.9	38.1	34.4	27.3	20.4	15.8	52.0	32.2	15.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit # 115P-16B
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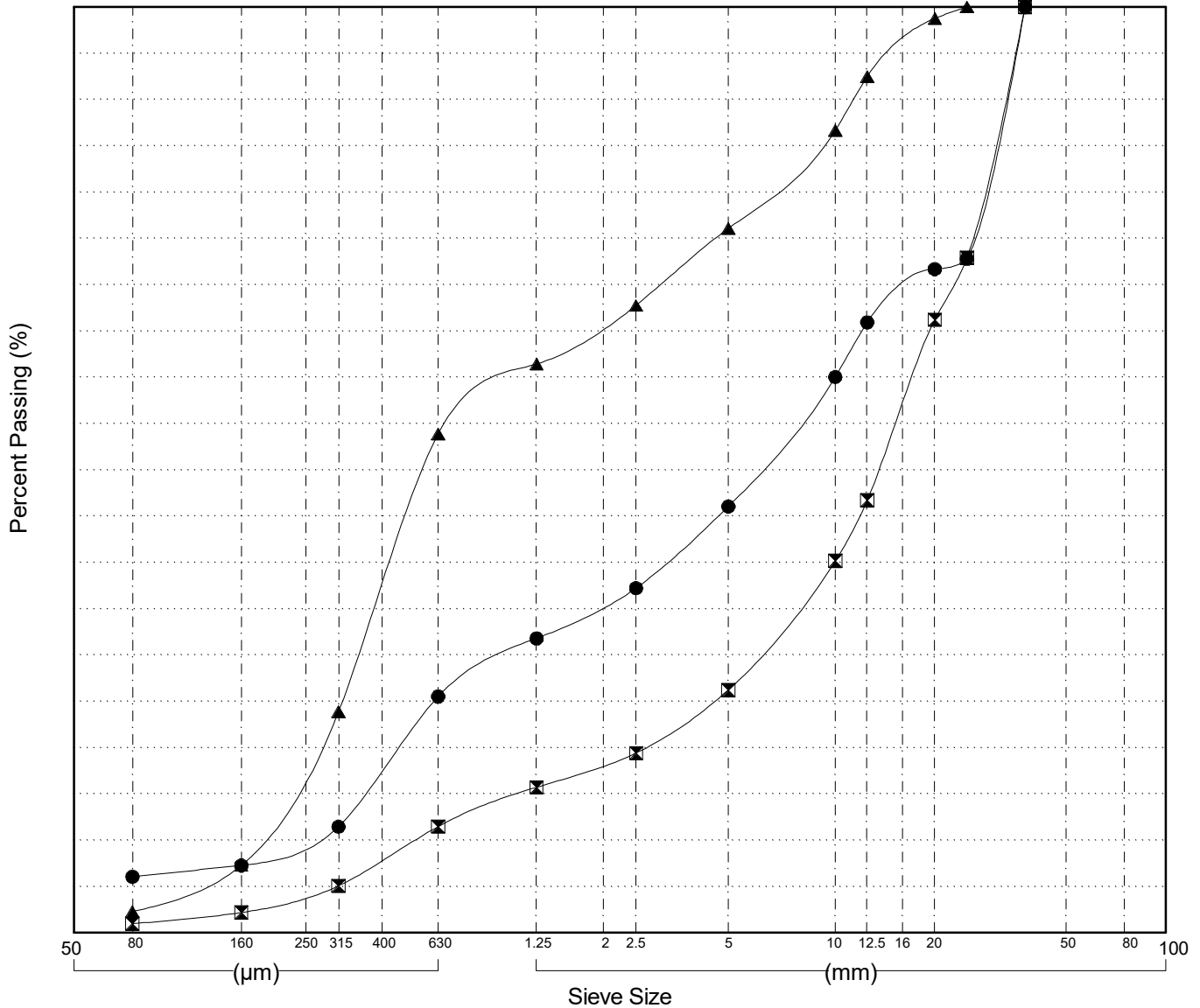
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049112m E446880m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 14	654	0.3 to 0.6	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	4.2	NP	NP	NP	0.4	40.2
☒ 15	655	1.8 to 2.2	POORLY GRADED GRAVEL with SAND(GP)	1.4	NP	NP	NP	3.7	32.1
▲ 16	656	3.6 to 4.0	POORLY GRADED SAND with GRAVEL(SP)	2.2	NP	NP	NP	0.7	6.1

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														
● 14	654	100.0	100.0	100.0	72.8	71.7	65.9	60.0	46.0	37.2	31.8	25.5	11.5	7.3	6.1	54.0	40.0	6.1		
☒ 15	655	100.0	100.0	100.0	72.9	66.2	46.7	40.2	26.2	19.4	15.7	11.5	5.1	2.2	1.0	73.8	25.2	1.0		
▲ 16	656	100.0	100.0	100.0	98.7	92.5	86.7	76.1	67.8	61.4	53.9	23.9	7.3	2.3	23.9	73.8	2.3			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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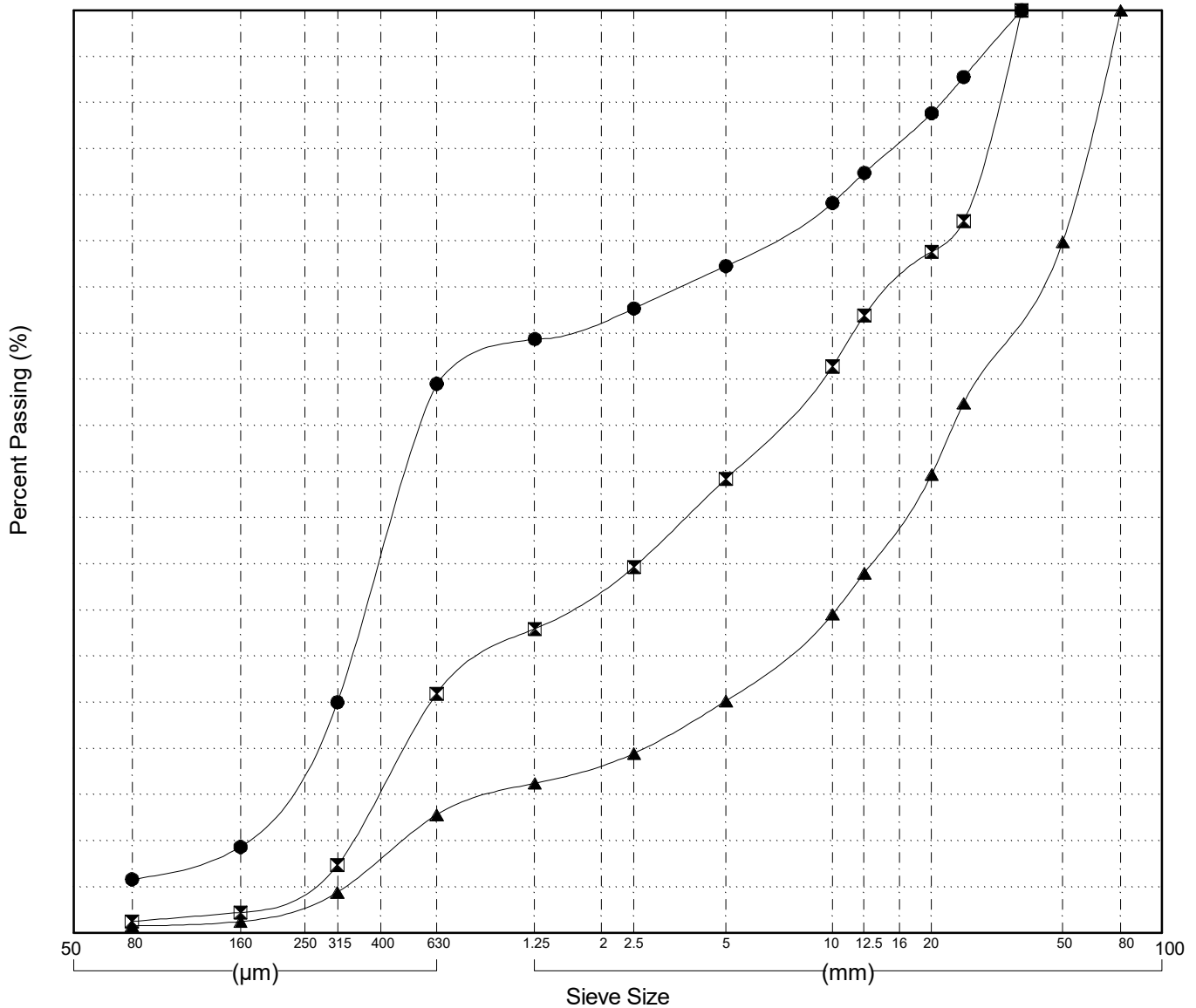
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049202m E447003m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 17	657	0.3 to 0.6	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	7.2	NP	NP	NP	1.1	4.1
☒ 18	658	1.8 to 2.1	POORLY GRADED GRAVEL with SAND(GP)	3.0	NP	NP	NP	0.3	26.4
▲ 19	659	3.6 to 3.9	POORLY GRADED GRAVEL with SAND(GP)	1.1	NP	NP	NP	3.5	55.5

Field#	Lab#	% PASSING	Sieve Size														% 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
● 17	657	100.0	100.0	100.0	100.0	92.8	88.9	82.4	79.1	72.3	67.7	64.4	59.5	25.0	9.3	5.8	27.7	66.4	5.8
☒ 18	658	100.0	100.0	100.0	77.2	73.8	66.9	61.4	49.2	39.7	33.0	26.0	7.4	2.2	1.3	50.8	47.9	1.3	
▲ 19	659	100.0	100.0	74.9	57.4	49.7	39.0	34.5	25.1	19.5	16.2	12.8	4.4	1.3	0.8	74.9	24.4	0.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: G. Kennedy
REVIEWED BY: R. Stilwell

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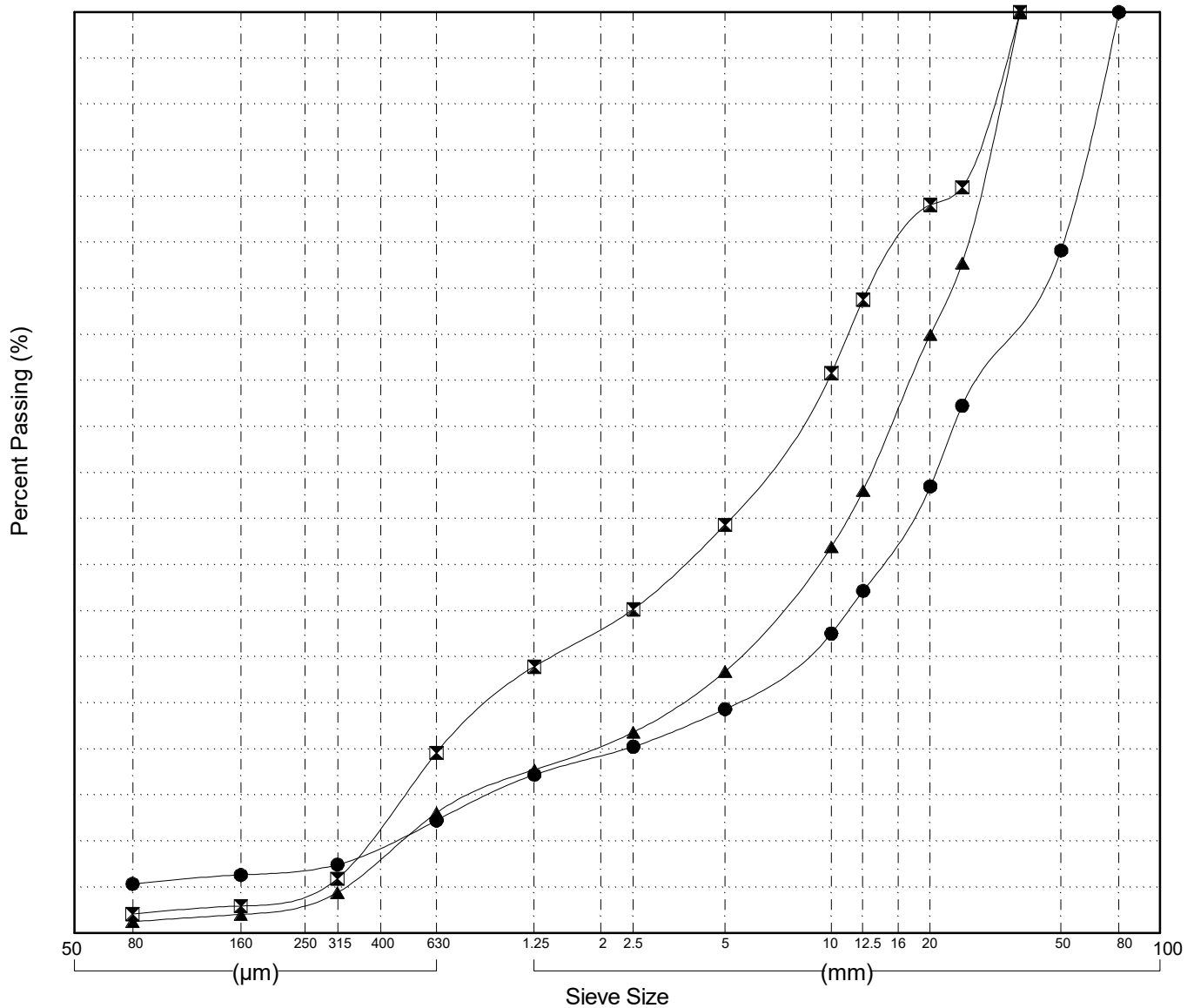
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049270m E446940m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 20	660	0.3 to 0.6	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.4	NP	NP	NP	5.0	61.4
☒ 21	661	1.1 to 1.4	POORLY GRADED GRAVEL with SAND(GP)	2.5	NP	NP	NP	0.5	24.9
▲ 22	662	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.1	NP	NP	NP	3.1	35.3

Field#	Lab#	% PASSING	Sieve Size (mm)													% Breakdown		
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand
● 20	660	100.0	100.0	74.1	57.3	48.5	37.2	32.5	24.3	20.3	17.2	12.2	7.5	6.3	5.4	75.7	19.0	5.4
☒ 21	661	100.0	100.0	100.0	81.0	79.1	68.8	60.8	44.3	35.2	28.9	19.6	5.9	3.0	2.1	55.7	42.2	2.1
▲ 22	662	100.0	100.0	100.0	72.7	65.0	48.1	42.0	28.4	21.8	17.7	13.1	4.4	2.0	1.2	71.6	27.2	1.2

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: G. Kennedy
REVIEWED BY: R. Stilwell

Pit # 115P-16B
Complete: 9/18/2014 3:08:00 PM

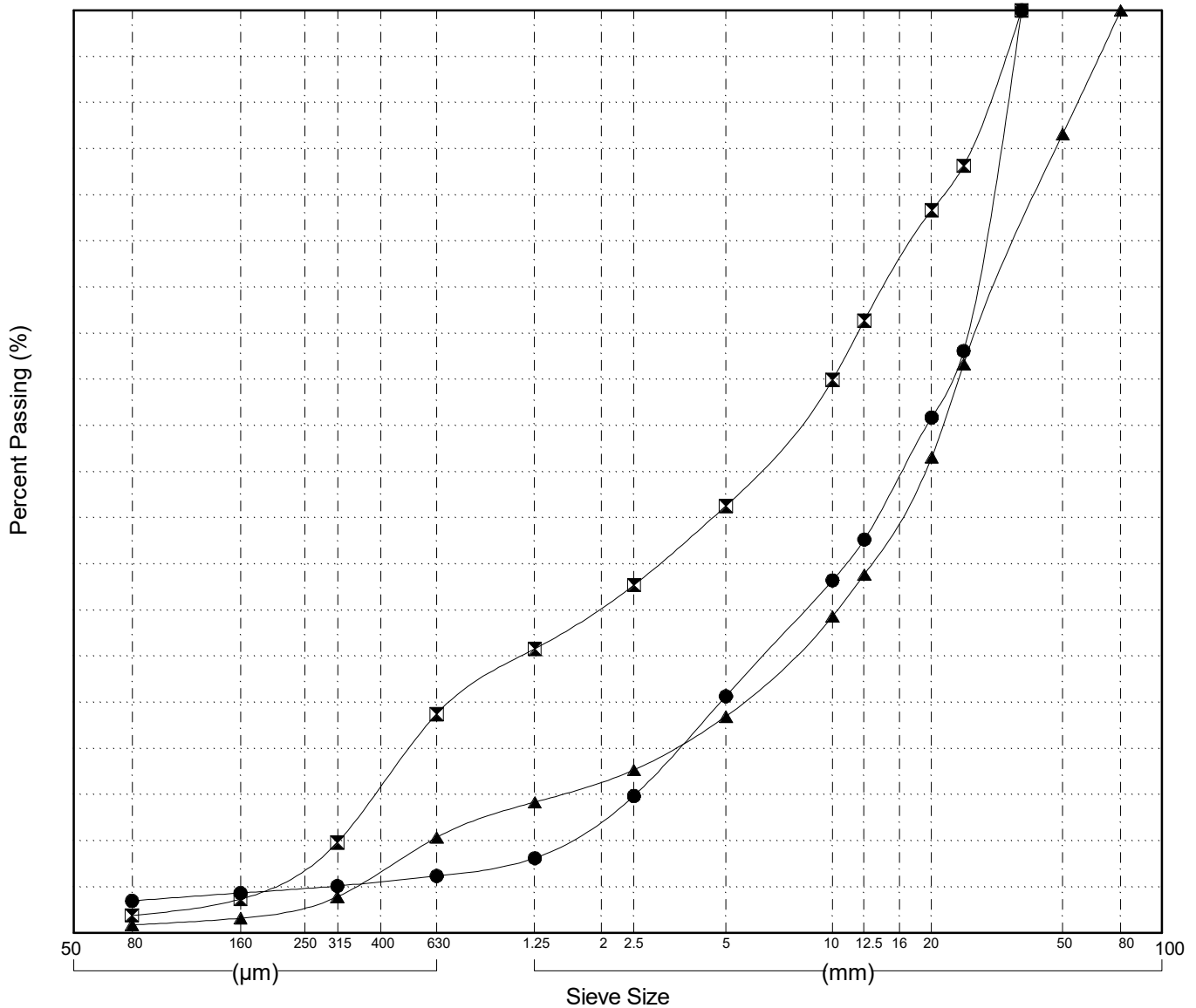
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049375m E446891m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 23	663	0.3 to 0.6	WELL-GRADED GRAVEL with SAND(GW)	1.8	NP	NP	NP	1.1	15.0
☒ 24	664	1.8 to 2.2	POORLY GRADED GRAVEL with SAND(GP)	1.1	NP	NP	NP	0.4	31.5
▲ 25	665	3.5 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	4.6	NP	NP	NP	3.8	39.8

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
● 23	663	100.0	100.0	100.0	63.1	55.9	42.7	38.2	25.7	14.9	8.1	6.2	5.1	4.3	3.5	74.3	22.2	3.5
☒ 24	664	100.0	100.0	100.0	83.2	78.3	66.4	60.0	46.3	37.7	30.8	23.7	9.8	3.7	1.9	53.7	44.4	1.9
▲ 25	665	100.0	100.0	86.6	61.7	51.6	38.9	34.3	23.5	17.7	14.2	10.4	3.9	1.6	0.9	76.5	22.6	0.9

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: G. Kennedy
REVIEWED BY: R. Stilwell

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Complete: 9/18/2014 4:02:00 PM

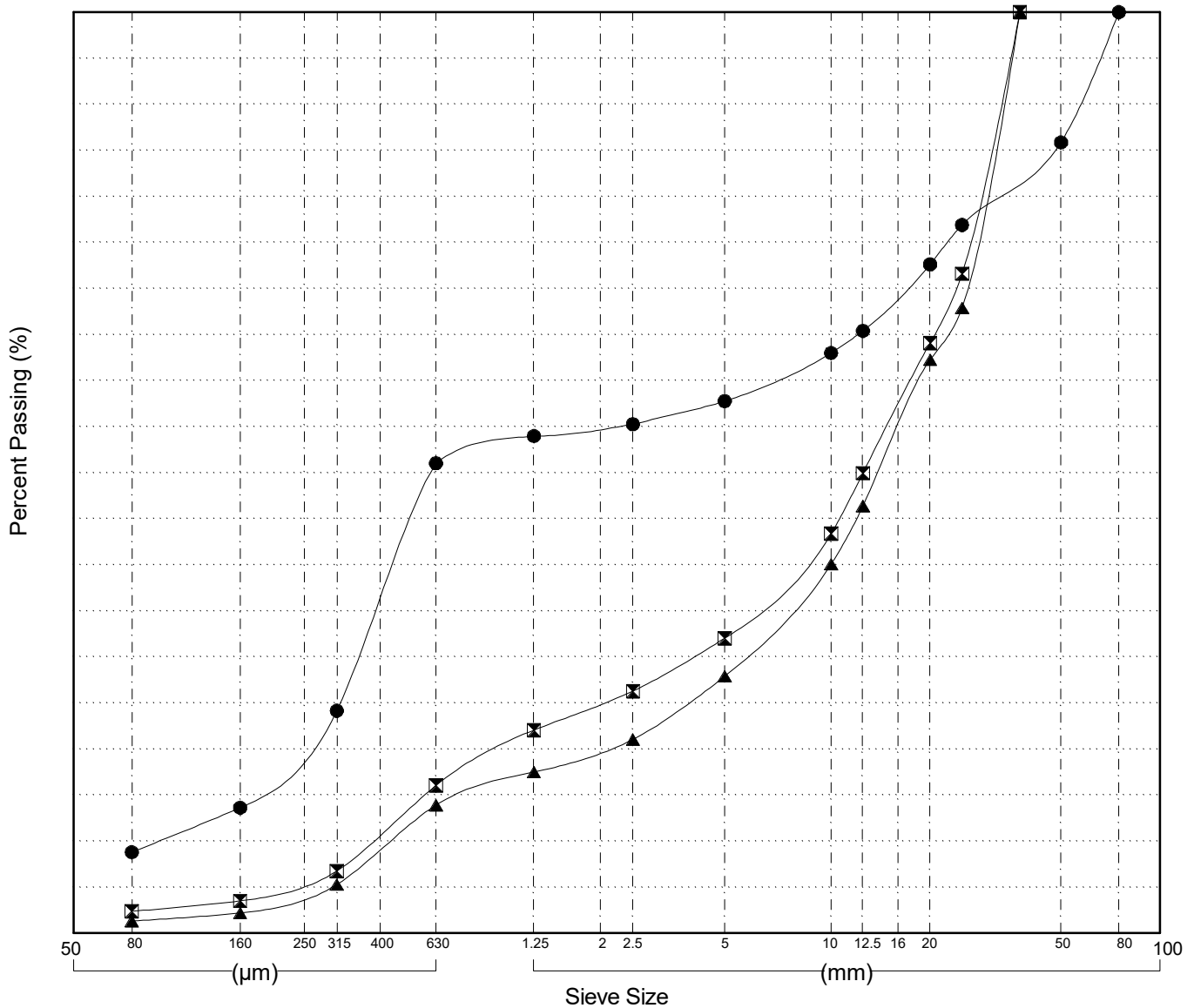
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049414m E446869m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 26	666	0.5 to 0.8	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	4.6	NP	NP	NP	0.2	72.2
☒ 27	667	1.4 to 1.8	WELL-GRADED GRAVEL with SAND(GW)	1.8	NP	NP	NP	2.0	43.5
▲ 28	668	3.4 to 3.7	POORLY GRADED GRAVEL with SAND(GP)	2.5	NP	NP	NP	3.4	40.7

Field#	Lab#	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
		% PASSING														Gravel	Sand	Silt	Clay
● 26	666	100.0	100.0	85.9	76.9	72.6	65.4	63.0	57.8	55.3	54.0	51.0	24.2	13.6	8.8	42.2	49.0	8.8	
☒ 27	667	100.0	100.0	100.0	71.6	64.1	50.0	43.4	32.0	26.3	22.1	16.0	6.8	3.5	2.4	68.0	29.6	2.4	
▲ 28	668	100.0	100.0	100.0	67.9	62.3	46.4	40.1	27.9	21.0	17.5	13.9	5.3	2.2	1.3	72.1	26.6	1.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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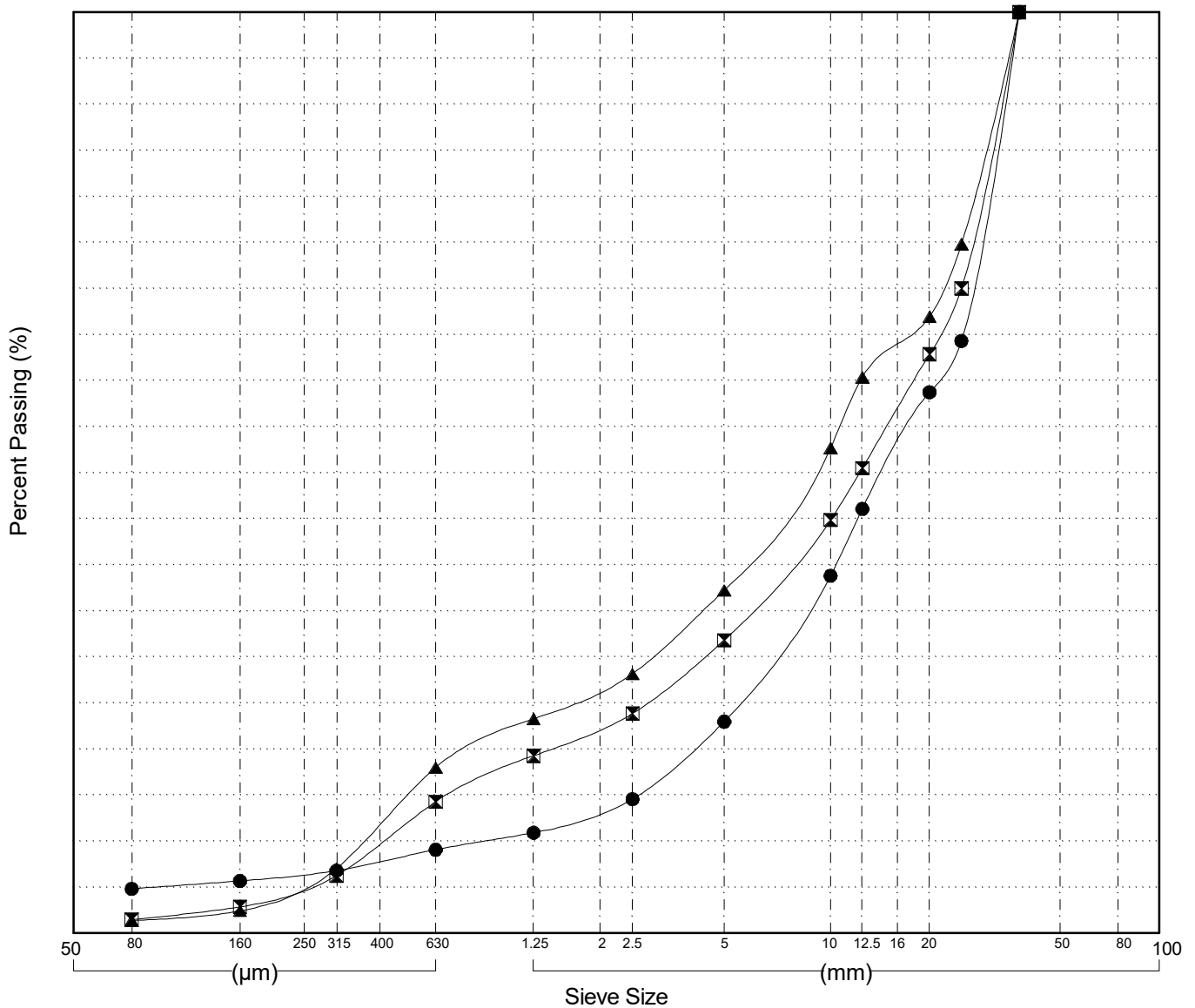
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4879
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049467m E446974m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 29	669	0.3 to 0.6	WELL-GRADED GRAVEL with SAND(GW)	3.0	NP	NP	NP	2.3	23.6
☒ 30	670	1.6 to 2.0	WELL-GRADED GRAVEL with SAND(GW)	2.1	NP	NP	NP	2.2	41.2
▲ 31	671	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	1.7	32.6

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
● 29	669	100.0	100.0	100.0	100.0	64.3	58.7	46.1	38.8	23.0	14.6	10.9	9.1	6.8	5.7	4.8	77.0	18.1	4.8	
☒ 30	670	100.0	100.0	100.0	70.0	62.8	50.5	44.9	31.8	23.9	19.3	14.3	6.2	2.9	1.5		68.2	30.3	1.5	
▲ 31	671	100.0	100.0	100.0	74.8	66.9	60.4	52.7	37.2	28.2	23.3	18.0	7.0	2.4	1.4		62.8	35.8	1.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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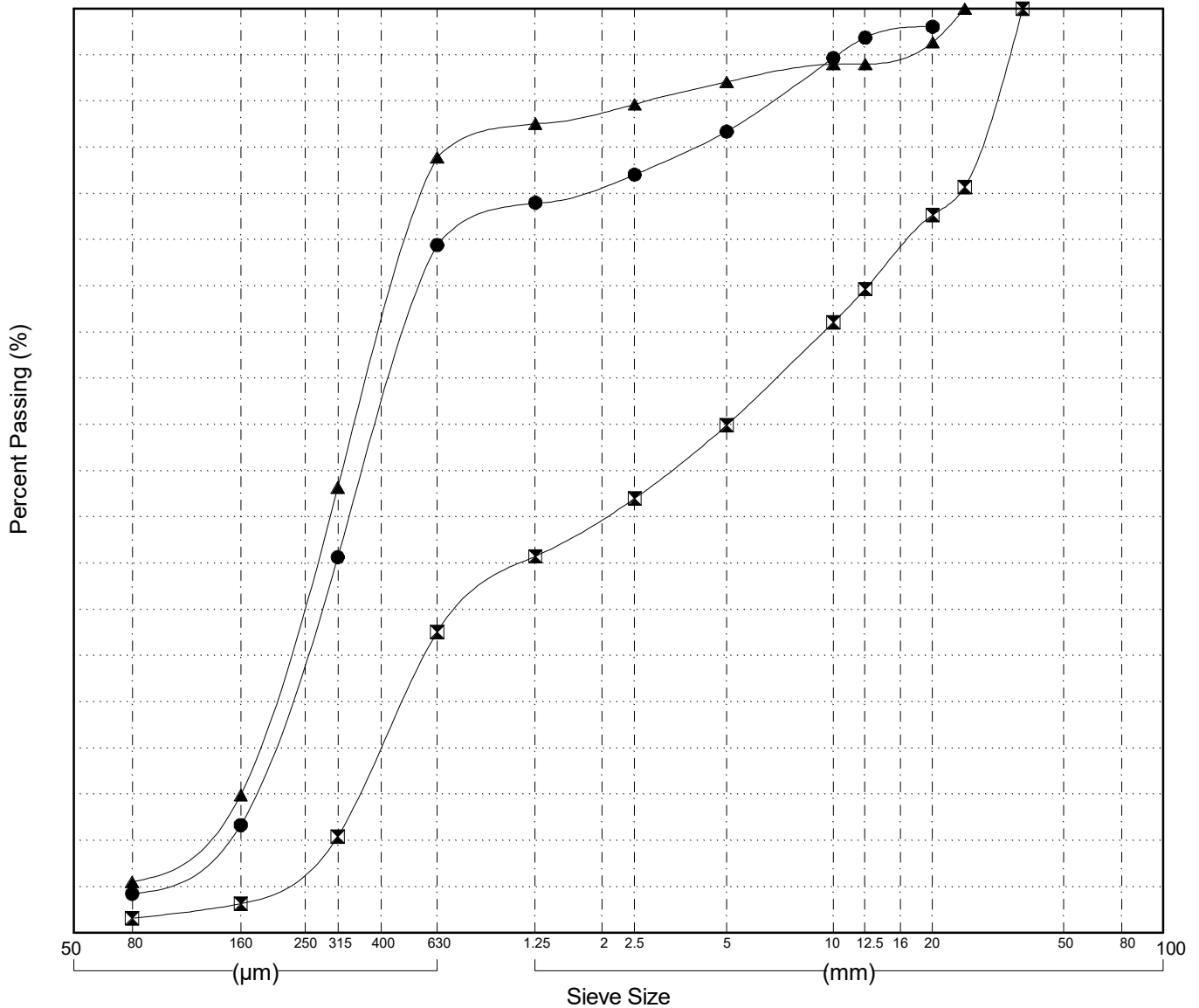
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4880
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049598m E446903m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 32	672	0.2 to 0.5	POORLY GRADED SAND(SP)	4.8	NP	NP	NP	1.0	3.5
☒ 33	673	1.2 to 1.5	POORLY GRADED SAND with GRAVEL(SP)	2.0	NP	NP	NP	0.2	22.1
▲ 34	674	2.4 to 2.8	POORLY GRADED SAND with SILT(SP-SM)	5.1	NP	NP	NP	1.1	3.7

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
● 32	672	100.0	100.0	100.0	100.0	100.0	98.0	96.9	94.7	86.7	82.0	79.0	74.4	40.7	11.7	4.2	11.3	82.5	4.2	
☒ 33	673	100.0	100.0	100.0	80.7	77.7	69.7	66.1	54.9	47.0	40.8	32.6	10.4	3.2	1.6	45.1	53.3	1.6		
▲ 34	674	100.0	100.0	100.0	100.0	96.4	94.0	94.0	92.1	89.6	87.6	83.9	48.2	14.9	5.5	7.9	86.5	5.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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Transportation Engineering Branch

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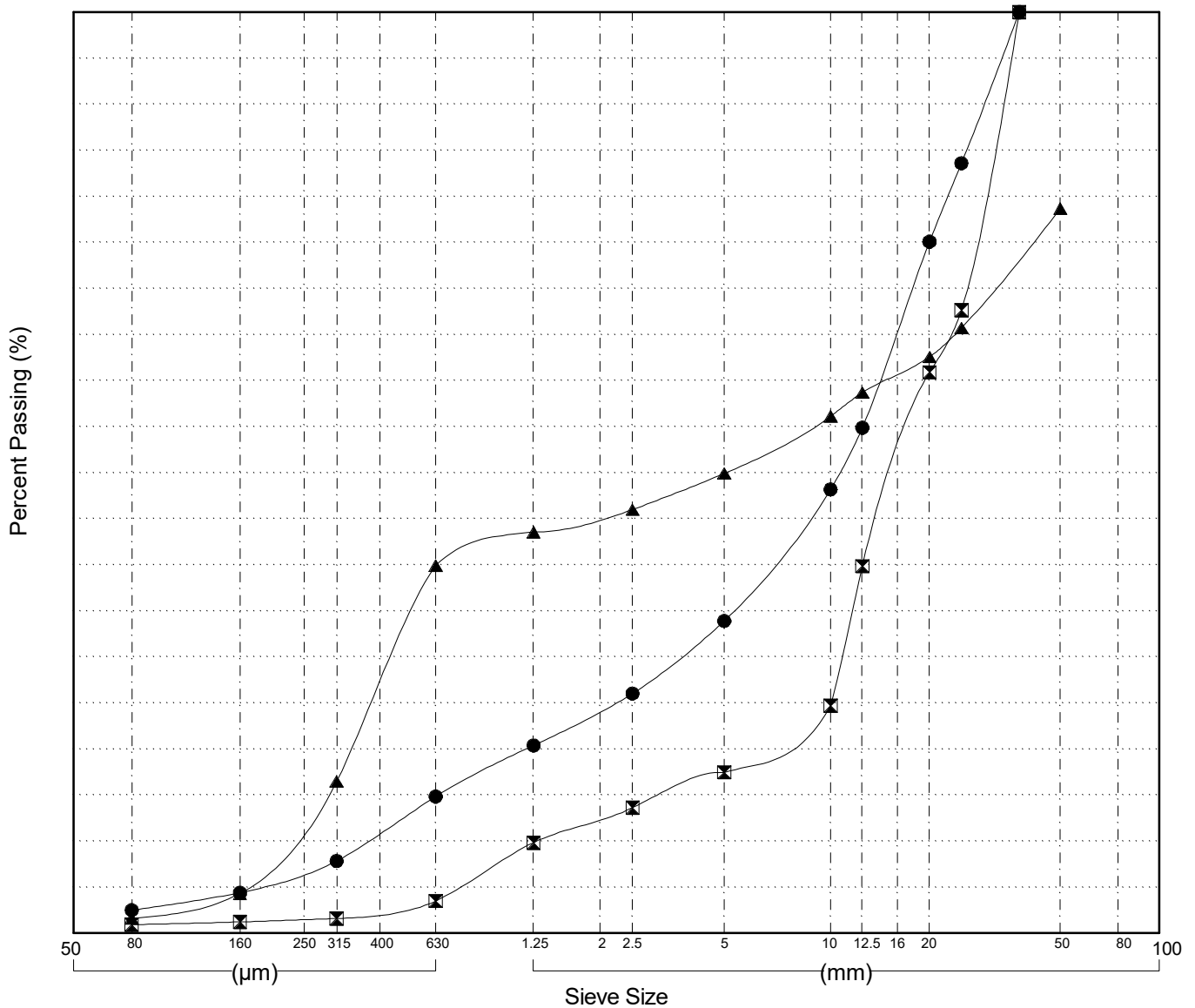
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049401m E447045m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 35	675	0.5 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	3.1	NP	NP	NP	2.2	36.1
☒ 36	676	1.5 to 1.8	POORLY GRADED GRAVEL with SAND(GP)	1.7	NP	NP	NP	4.6	15.2
▲ 37	677	3.5 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	2.1	NP	NP	NP	0.1	66.7

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
● 35	675	100.0	100.0	100.0	100.0	83.6	75.1	54.9	48.2	33.9	26.0	20.4	14.8	7.9	4.4	2.5	66.1	31.4	2.5	
☒ 36	676	100.0	100.0	100.0	67.7	60.9	39.9	24.7	17.5	13.6	9.8	3.5	1.6	1.2	0.9	82.5	16.5	0.9		
▲ 37	677	100.0	100.0	78.7	65.7	62.6	58.7	56.1	49.9	46.0	43.6	39.9	16.5	4.3	1.6	28.8	48.3	1.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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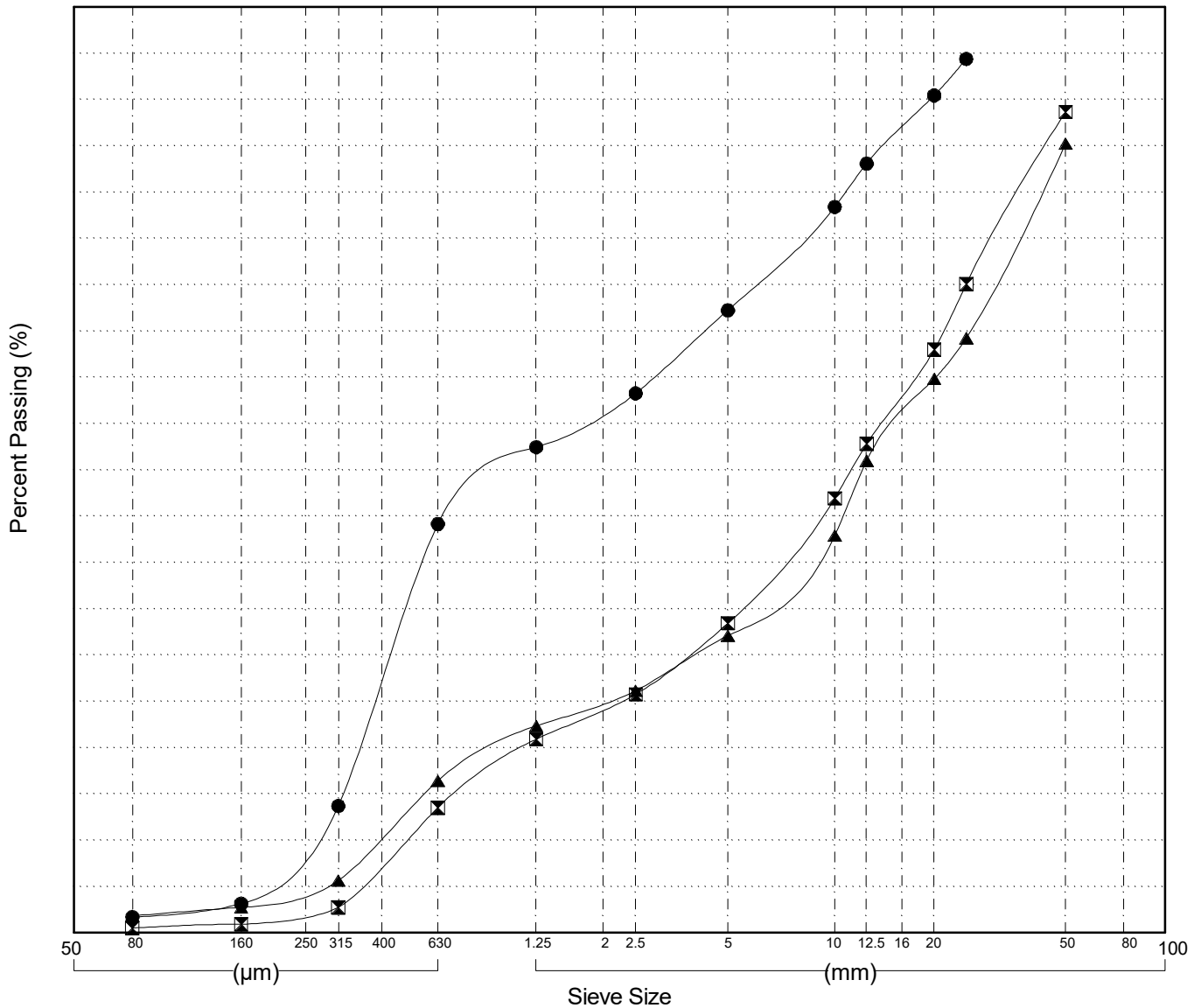
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049340m E447106m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 38	678	0.3 to 0.6	POORLY GRADED SAND with GRAVEL(SP)	4.4	NP	NP	NP	0.3	11.4
☒ 39	679	1.5 to 1.8	WELL-GRADED GRAVEL with SAND(GW)	0.6	NP	NP	NP	1.5	34.7
▲ 40	680	3.5 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	2.4	NP	NP	NP	1.7	48.4

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
● 38	678	100.0	100.0	100.0	94.4	90.4	83.1	78.4	67.2	58.3	52.5	44.2	13.7	3.2	1.7	27.1	65.5	1.7	
☒ 39	679	100.0	100.0	88.7	70.1	63.0	52.8	46.9	33.4	25.8	20.9	13.5	2.7	0.9	0.5	55.2	32.9	0.5	
▲ 40	680	100.0	100.0	85.2	64.2	59.8	51.0	42.9	32.1	26.2	22.3	16.4	5.7	2.8	1.8	53.1	30.3	1.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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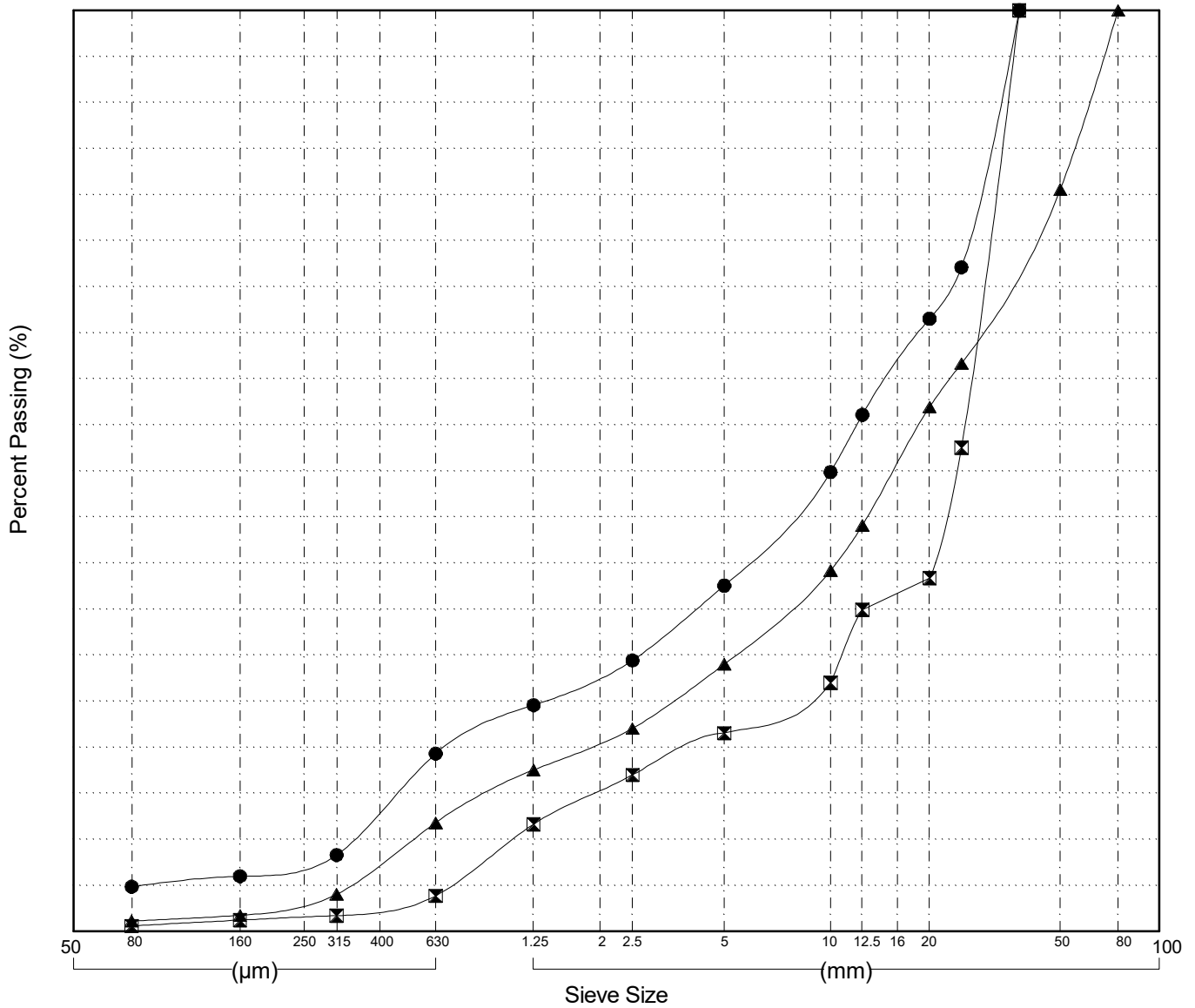
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049274m E447145m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 41	681	0.4 to 0.7	WELL-GRADED GRAVEL with SAND(GW)	3.9	NP	NP	NP	1.3	42.5
☒ 42	682	2.2 to 2.5	POORLY GRADED GRAVEL with SAND(GP)	0.5	NP	NP	NP	4.1	24.6
▲ 43	683	3.4 to 3.7	WELL-GRADED GRAVEL with SAND(GW)	0.8	NP	NP	NP	2.1	43.1

Field#	Lab#	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 41	681	100.0	100.0	100.0	100.0	72.1	66.5	56.1	49.9	37.6	29.4	24.6	19.3	8.3	6.0	4.9	62.4	32.7	4.9
☒ 42	682	100.0	100.0	100.0	52.5	38.4	34.9	27.0	21.5	17.0	11.6	3.9	1.7	1.2	0.6	78.5	20.9	0.6	
▲ 43	683	100.0	100.0	80.6	61.7	56.9	44.1	39.2	29.0	22.0	17.5	11.8	4.0	1.8	1.1	71.0	27.9	1.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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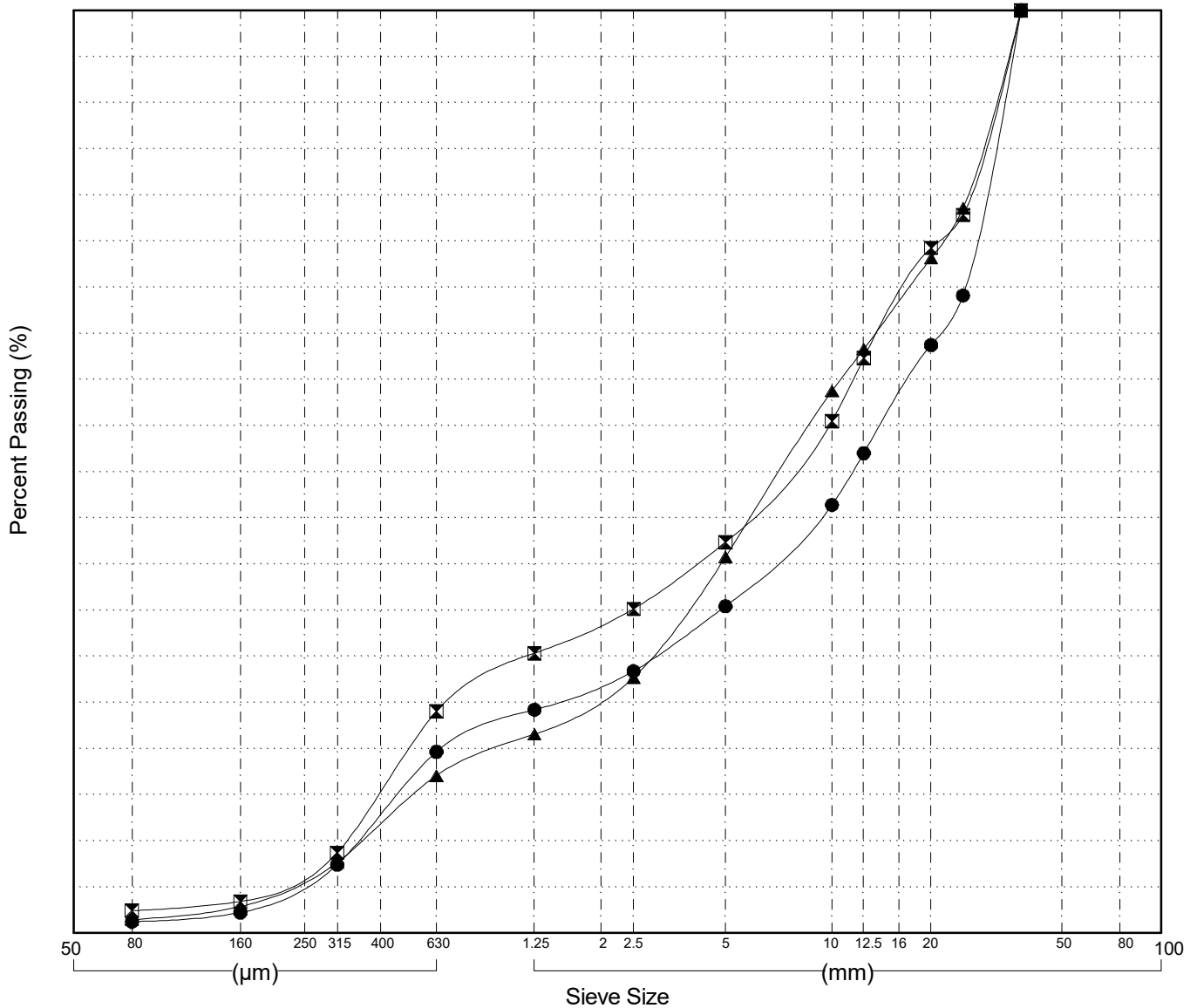
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049361m E447277m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 44	684	0.2 to 0.5	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	1.3	47.3
☒ 45	685	2.4 to 2.8	POORLY GRADED GRAVEL with SAND(GP)	2.8	NP	NP	NP	0.4	34.7
▲ 46	686	3.6 to 4.0	WELL-GRADED GRAVEL with SAND(GW)	1.3	NP	NP	NP	2.0	28.4

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
● 44	684	100.0	100.0	100.0	69.1	63.7	52.0	46.4	35.4	28.4	24.2	19.7	7.4	2.2	1.2	64.6	34.2	1.2	
☒ 45	685	100.0	100.0	100.0	77.8	74.3	62.3	55.5	42.3	35.1	30.3	24.0	8.7	3.4	2.4	57.7	39.9	2.4	
▲ 46	686	100.0	100.0	100.0	78.6	73.1	63.3	58.7	40.8	27.7	21.5	17.1	7.7	2.9	1.5	59.2	39.3	1.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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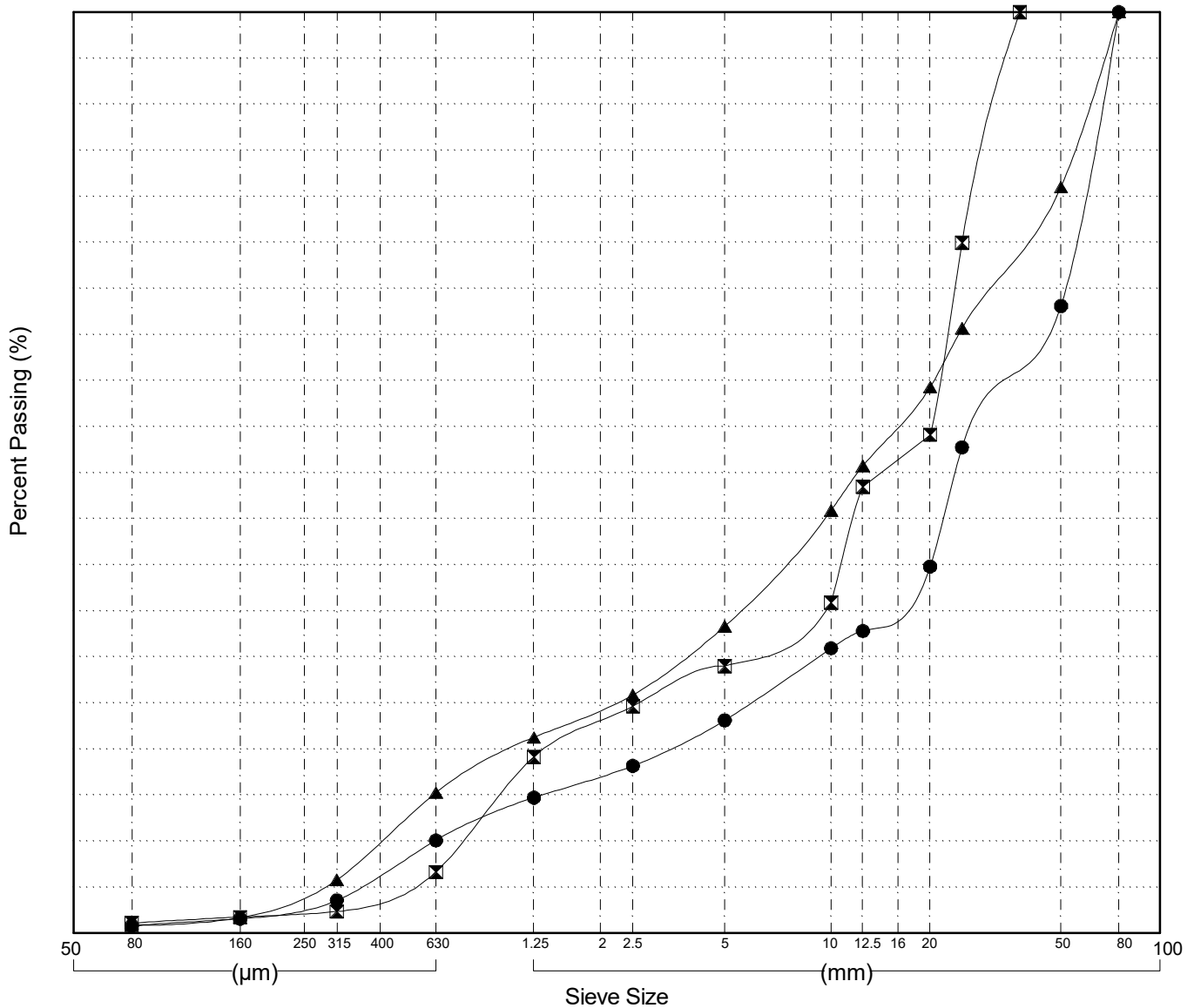
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049446m E447214m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 47	687	0.3 to 0.6	POORLY GRADED GRAVEL with SAND(GP)	1.5	NP	NP	NP	3.9	55.5
☒ 48	688	1.4 to 1.8	WELL-GRADED GRAVEL with SAND(GW)	2.3	NP	NP	NP	1.7	28.1
▲ 49	689	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.1	NP	NP	NP	1.4	47.9

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
● 47	687	100.0	100.0	68.1	52.7	39.8	32.8	30.9	23.1	18.2	14.7	10.1	3.6	1.6	0.8	76.9	22.3	0.8	
☒ 48	688	100.0	100.0	100.0	74.9	54.1	48.5	35.9	29.0	24.7	19.2	6.7	2.4	1.8	1.1	71.0	27.9	1.1	
▲ 49	689	100.0	100.0	81.0	65.7	59.3	50.7	45.9	33.3	25.9	21.3	15.3	5.8	1.7	0.8	66.7	32.5	0.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
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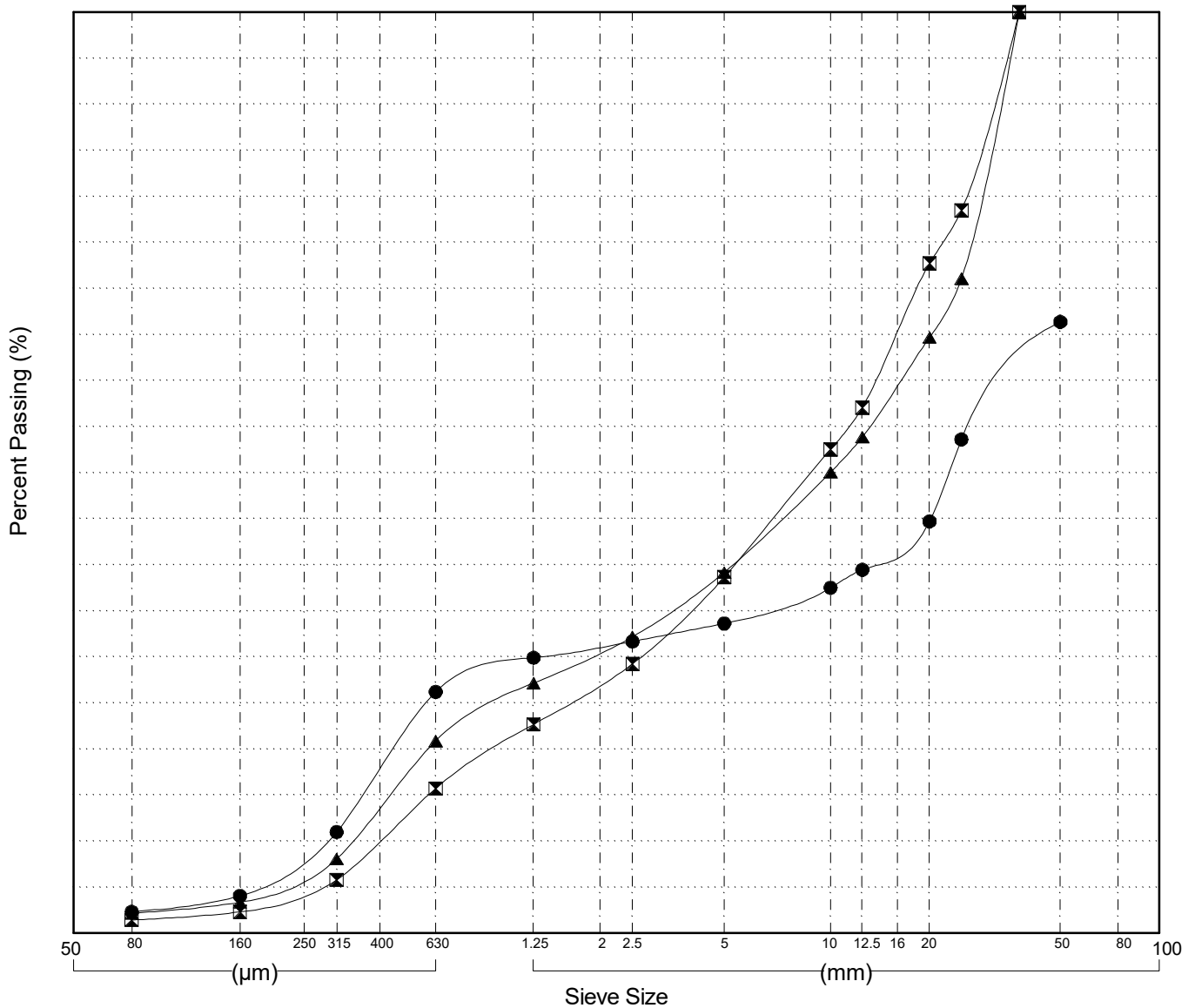
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049531m E447146m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 50	690	0.3 to 0.6	POORLY GRADED GRAVEL with SAND(GP)	2.1	NP	NP	NP	0.2	123.7
☒ 51	691	0.9 to 1.2	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	1.2	32.3
▲ 52	692	3.2 to 3.6	POORLY GRADED GRAVEL with SAND(GP)	1.6	NP	NP	NP	0.6	46.7

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
● 50	690	100.0	100.0	66.4	53.6	44.7	39.5	37.5	33.6	31.7	29.9	26.2	11.0	4.1	2.3	32.7	31.3	2.3		
☒ 51	691	100.0	100.0	100.0	78.5	72.7	57.1	52.5	38.7	29.2	22.7	15.7	5.8	2.3	1.4	61.3	37.2	1.4		
▲ 52	692	100.0	100.0	100.0	71.1	64.7	53.9	50.1	39.2	32.2	27.2	20.9	8.1	3.4	2.2	60.8	37.0	2.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



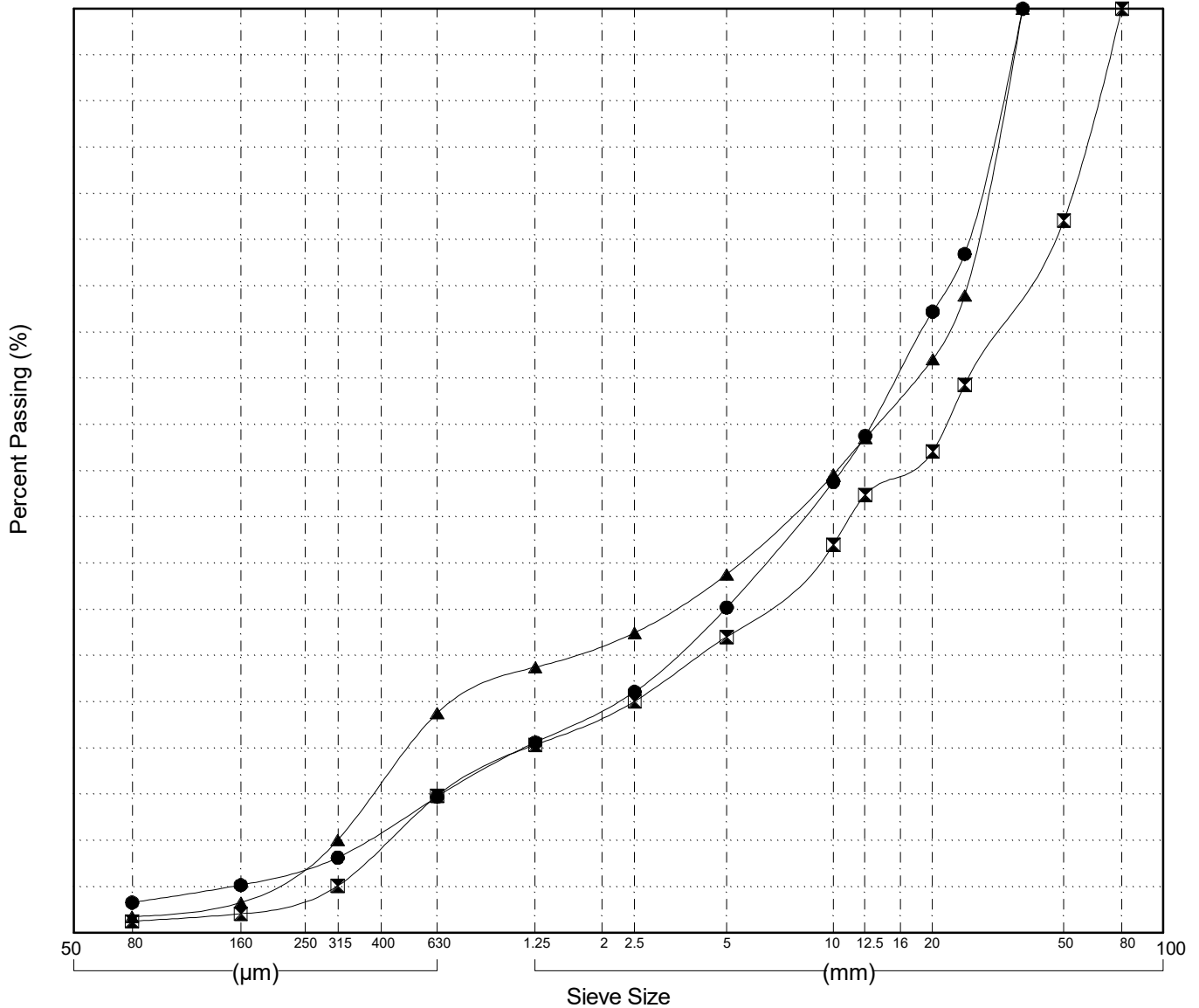
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049605m E447070m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 53	693	0.3 to 0.6	WELL-GRADED GRAVEL with SAND(GW)	2.9	NP	NP	NP	1.8	40.6
☒ 54	694	1.6 to 1.9	WELL-GRADED GRAVEL with SAND(GW)	0.9	NP	NP	NP	1.4	57.5
▲ 55	695	3.8 to 4.1	POORLY GRADED GRAVEL with SAND(GP)	1.8	NP	NP	NP	0.4	56.9

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
● 53	693	100.0	100.0	100.0	100.0	73.5	67.2	53.8	48.8	35.2	26.1	20.6	14.7	8.2	5.2	3.3	64.8	31.9	3.3
☒ 54	694	100.0	100.0	77.1	59.3	52.1	47.4	42.0	32.0	25.1	20.3	14.8	5.1	2.1	1.3	68.0	30.8	1.3	
▲ 55	695	100.0	100.0	100.0	69.0	62.1	53.6	49.6	38.8	32.5	28.7	23.8	10.1	3.3	1.8	61.2	37.0	1.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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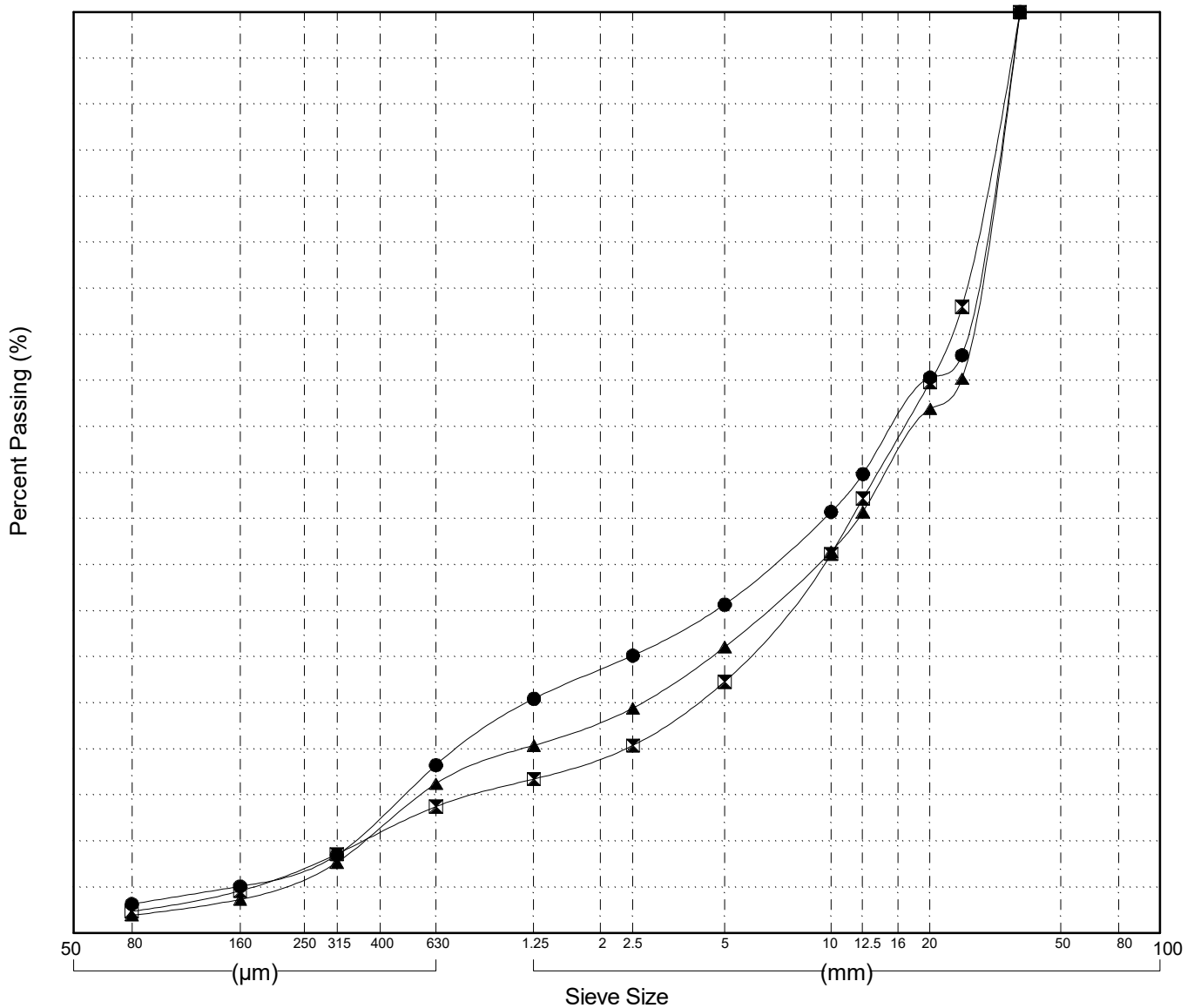
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Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049673m E447015m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 56	696	0.3 to 0.6	POORLY GRADED GRAVEL with SAND(GP)	3.2	NP	NP	NP	0.9	56.2
☒ 57	697	1.9 to 2.2	POORLY GRADED GRAVEL with SAND(GP)	1.4	NP	NP	NP	3.9	52.8
▲ 58	698	3.4 to 3.7	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	2.0	65.0

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
● 56	696	100.0	100.0	100.0	100.0	62.8	60.3	49.8	45.7	35.7	30.2	25.5	18.3	8.5	5.1	3.2	64.3	32.5	3.2
☒ 57	697	100.0	100.0	100.0	68.0	59.8	47.2	41.2	27.3	20.4	16.7	13.8	8.6	4.6	2.4	72.7	24.9	2.4	
▲ 58	698	100.0	100.0	100.0	60.2	56.9	45.7	41.4	31.1	24.4	20.4	16.2	7.7	3.7	2.0	68.9	29.1	2.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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Pit # 115P-16B
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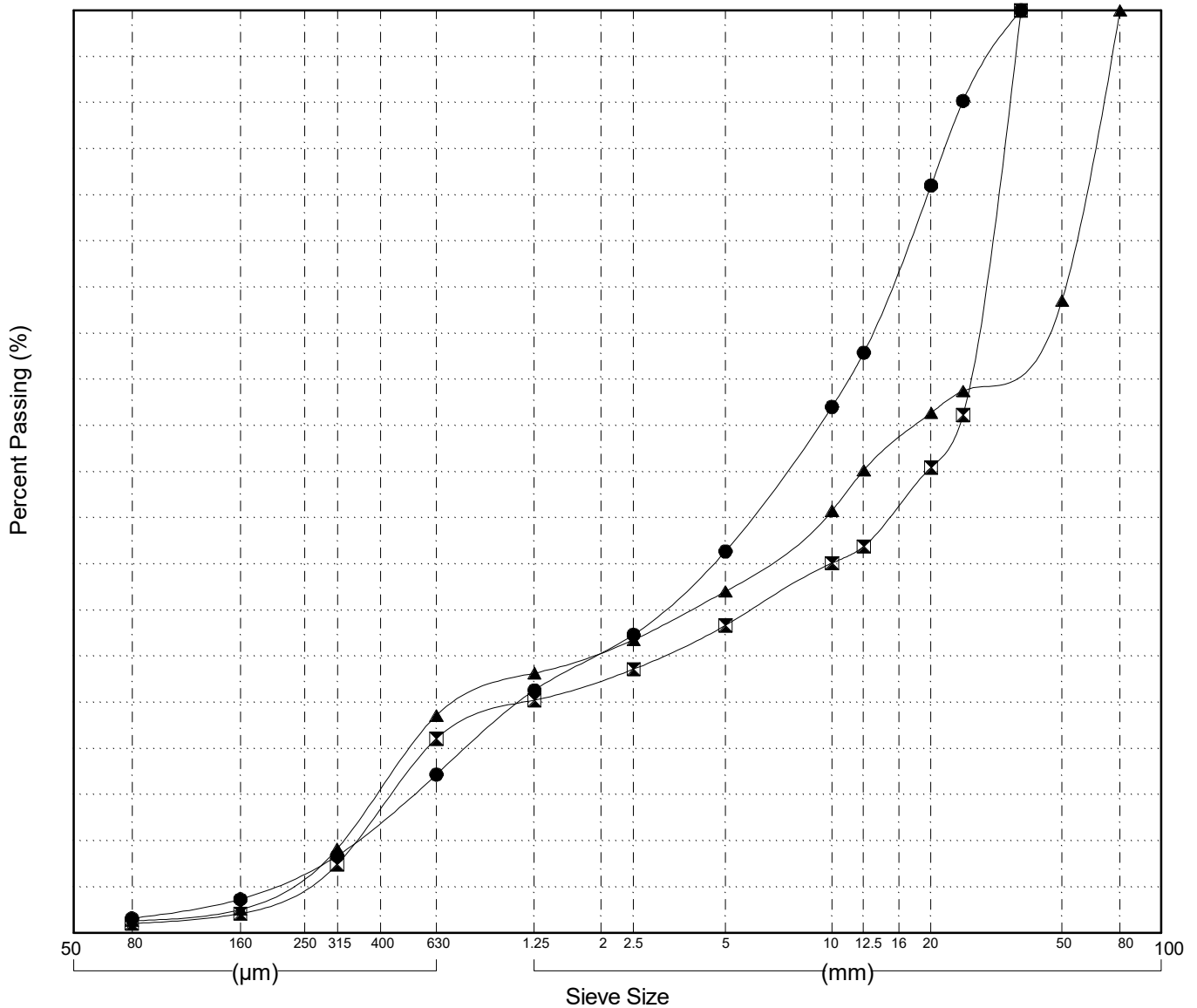
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4889
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049474m E447386m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 59	699	0.3 to 0.6	POORLY GRADED GRAVEL with SAND(GP)	2.4	NP	NP	NP	0.9	31.3
☒ 60	700	1.4 to 1.7	POORLY GRADED GRAVEL with SAND(GP)	0.6	NP	NP	NP	1.0	72.2
▲ 61	701	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.5	NP	NP	NP	0.4	83.1

Field#	Lab#	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 59	699	100.0	100.0	100.0	100.0	90.2	81.0	62.9	57.0	41.4	32.3	26.3	17.2	8.4	3.7	1.6	58.6	39.8	1.6
☒ 60	700	100.0	100.0	100.0	56.2	50.5	41.9	40.1	33.4	28.6	25.3	21.1	7.4	2.1	1.0	66.6	32.3	1.0	
▲ 61	701	100.0	100.0	68.6	58.8	56.4	50.2	45.8	37.0	31.8	28.2	23.6	9.1	2.6	1.4	63.0	35.7	1.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: G. Kennedy
REVIEWED BY: R. Stilwell

Pit # 115P-16B
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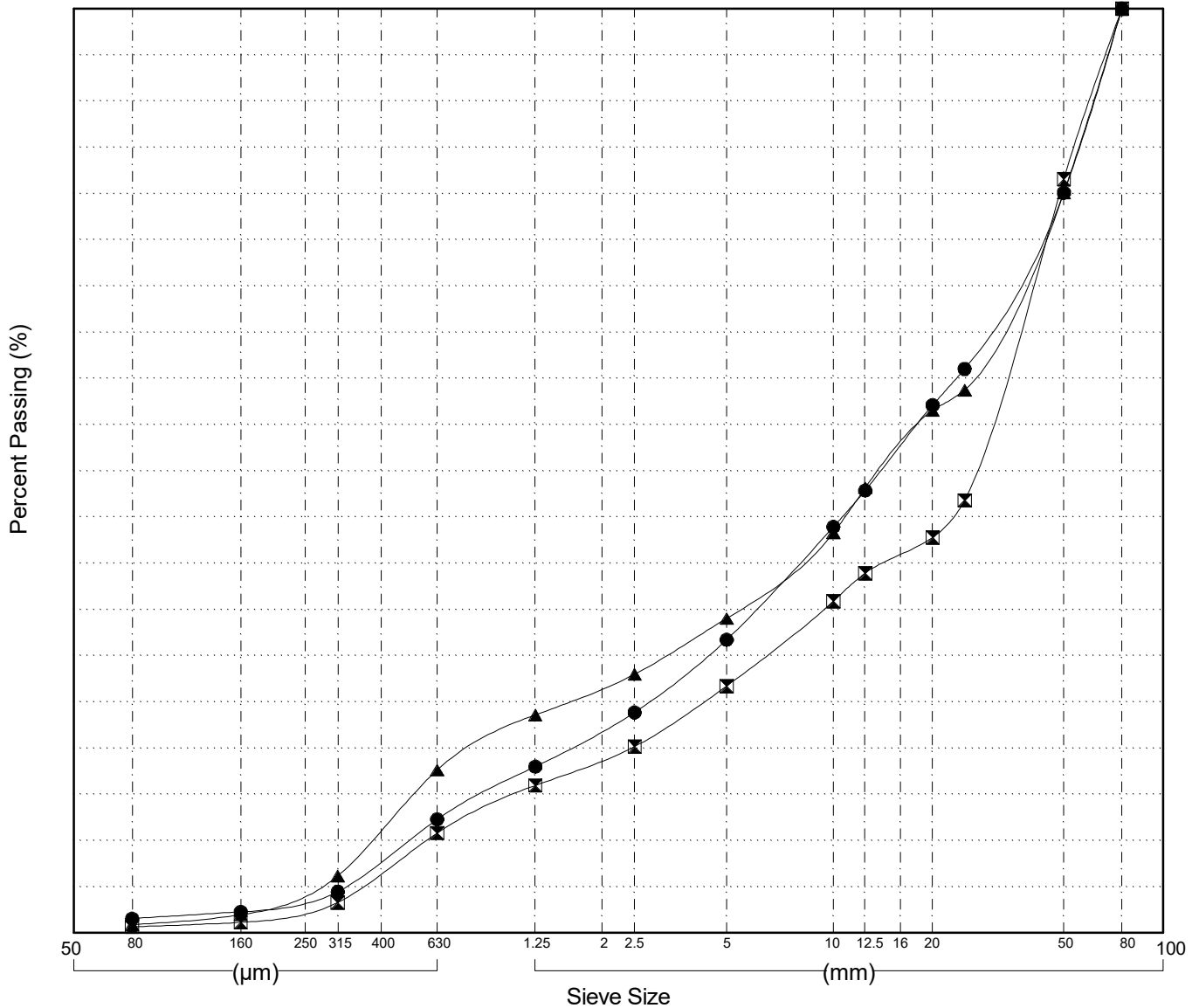
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4890
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049579m E447349m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 62	702	0.2 to 0.5	WELL-GRADED GRAVEL with SAND(GW)	0.6	NP	NP	NP	1.4	45.9
☒ 63	703	1.2 to 1.5	WELL-GRADED GRAVEL with SAND(GW)	0.9	NP	NP	NP	2.0	55.7
▲ 64	704	3.2 to 3.5	POORLY GRADED GRAVEL with SAND(GP)	0.6	NP	NP	NP	0.9	65.6

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
● 62	702	100.0	100.0	80.1	61.0	57.1	47.9	43.9	31.7	23.9	18.0	12.3	4.5	2.3	1.6	68.3	30.2	1.6	
☒ 63	703	100.0	100.0	81.6	46.8	42.8	38.9	35.9	26.7	20.2	16.0	10.8	3.3	1.1	0.7	73.3	26.1	0.7	
▲ 64	704	100.0	100.0	80.1	58.7	56.5	48.2	43.3	34.0	28.0	23.6	17.6	6.2	2.0	0.9	66.0	33.1	0.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit # 115P-16B
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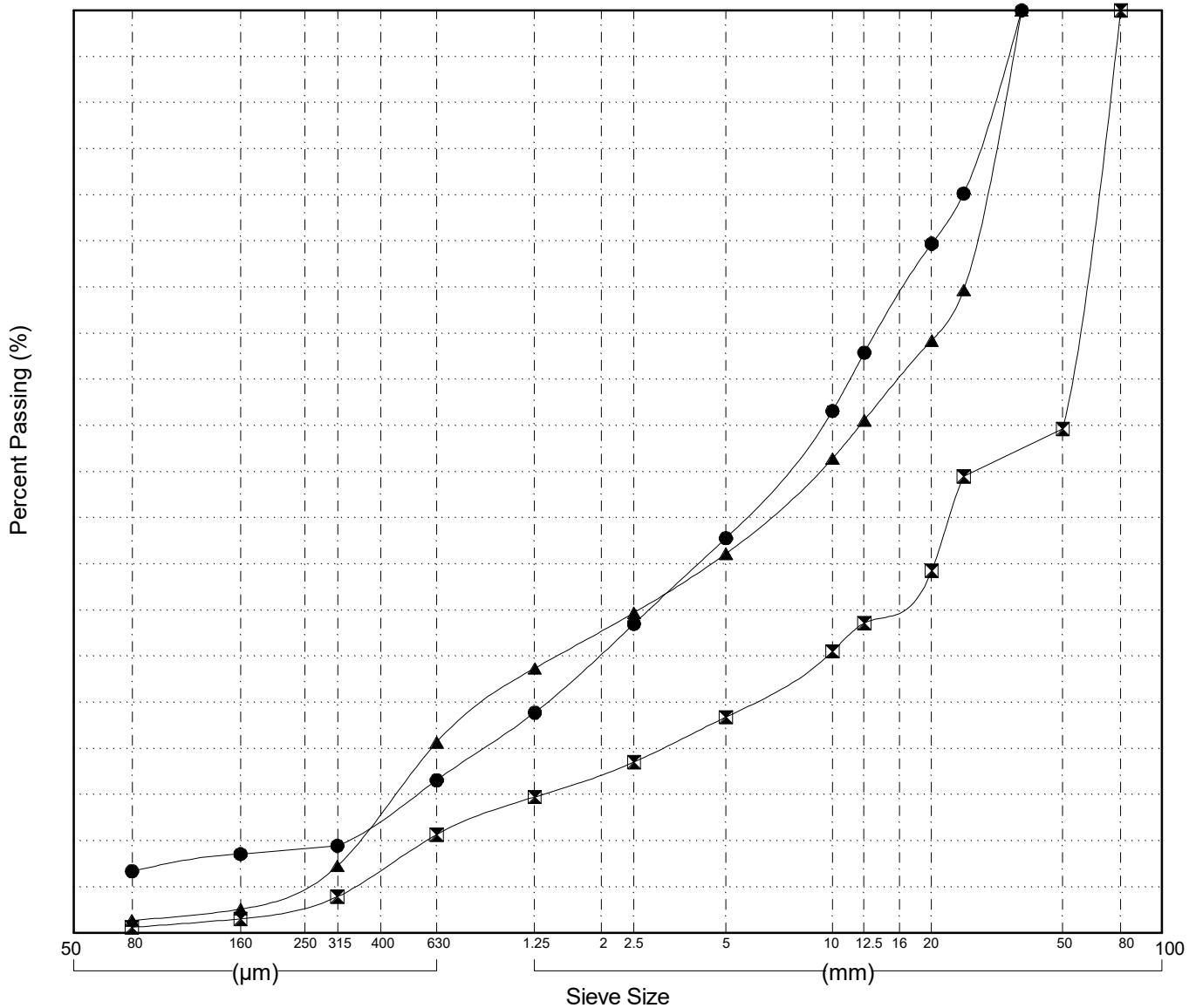
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4891
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049651m E447270m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 65	705	0.3 to 0.6	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	4.8	NP	NP	NP	1.0	34.0
☒ 66	706	1.4 to 1.7	WELL-GRADED GRAVEL with SAND(GW)	0.7	NP	NP	NP	2.9	89.3
▲ 67	707	3.4 to 3.7	POORLY GRADED GRAVEL with SAND(GP)	0.5	NP	NP	NP	0.4	43.8

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
● 65	705	100.0	100.0	100.0	80.1	74.7	62.9	56.6	42.8	33.5	23.9	16.6	9.5	8.6	6.7	57.2	36.1	6.7	
☒ 66	706	100.0	100.0	54.6	49.5	39.3	33.6	30.5	23.4	18.5	14.7	10.7	3.9	1.6	0.6	76.6	22.8	0.6	
▲ 67	707	100.0	100.0	100.0	69.7	64.2	55.6	51.4	41.1	34.7	28.7	20.7	7.3	2.6	1.4	58.9	39.7	1.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit # 115P-16B
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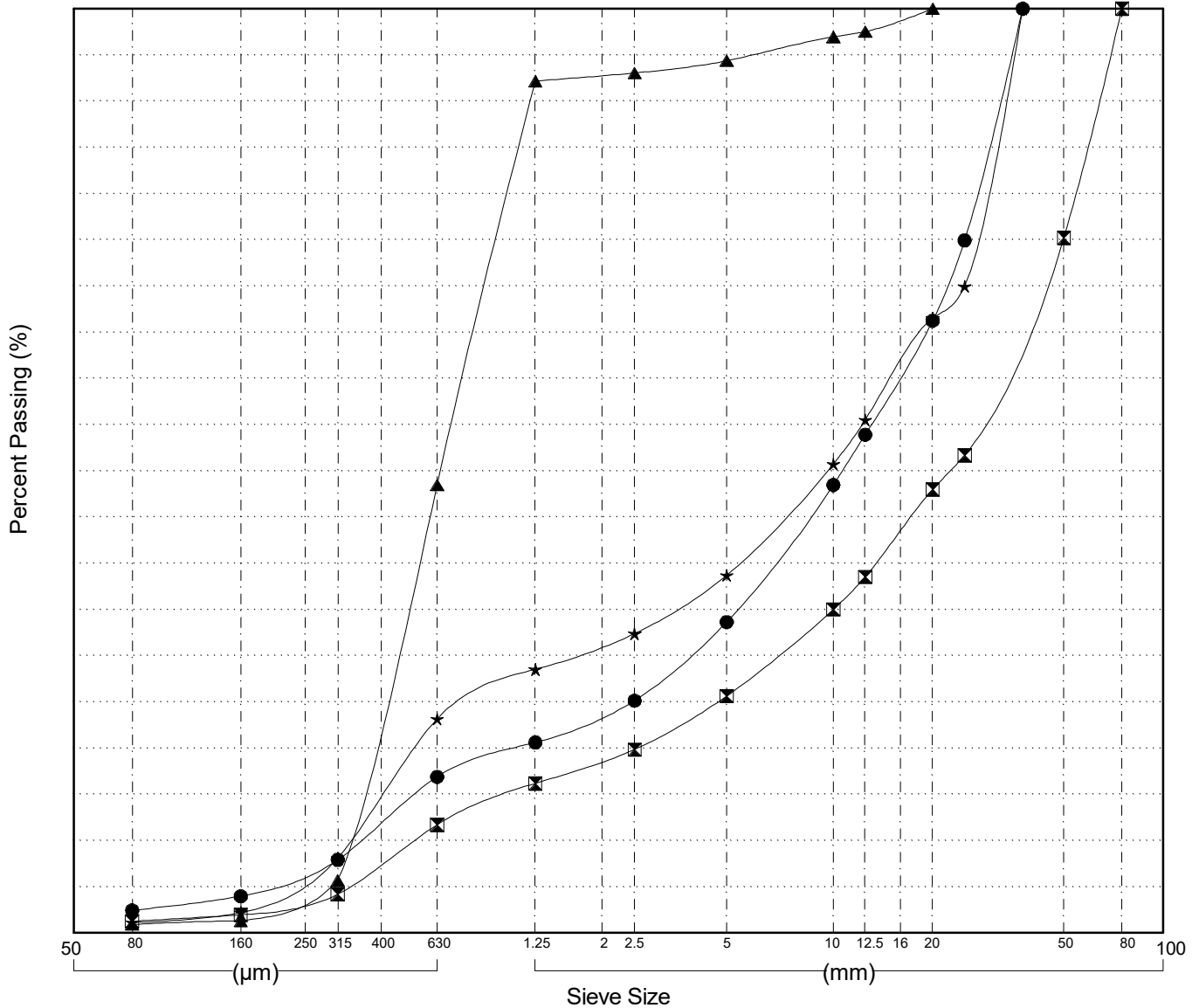
GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4892
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049711m E447193m	ELEVATION: m

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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 68	708	0.3 to 0.6	WELL-GRADED GRAVEL with SAND(GW)	2.4	NP	NP	NP	2.2	42.6
☒ 69	709	1.1 to 1.4	WELL-GRADED GRAVEL with SAND(GW)	1.3	NP	NP	NP	2.6	59.4
▲ 70	710	1.8 to 2.1	POORLY GRADED SAND(SP)	5.1	NP	NP	NP	0.9	2.2
★ 71	711	3.6 to 4.0	POORLY GRADED GRAVEL with SAND(GP)	1.4	NP	NP	NP	0.5	44.1

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
● 68	708	100.0	100.0	100.0	74.9	66.2	53.9	48.5	33.6	25.1	20.6	16.9	7.9	4.0	2.5	66.4	31.2	2.5	
☒ 69	709	100.0	100.0	75.2	51.7	48.0	38.5	35.0	25.6	19.8	16.2	11.7	4.2	2.0	1.3	74.4	24.4	1.3	
▲ 70	710	100.0	100.0	100.0	100.0	100.0	97.5	96.9	94.4	93.0	92.2	48.5	5.7	1.3	0.9	5.6	93.4	0.9	
★ 71	711	100.0	100.0	100.0	70.0	66.5	55.5	50.7	38.7	32.4	28.5	23.2	8.1	2.2	1.1	61.3	37.6	1.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Pit exploration	SOURCE/TP#: 839-4893
Wilfs Contracting	km 38.0 RHS	PROJECT NO: 552-202021-0204-02-2
CAT Excavator 225	Coordinates: Z N7049790m E447146m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H ₂ O	LL	PL	PI	C _c	C _u
● 72	712	0.4 to 0.7	SILTY SAND(SM)	10.0	NP	NP	NP		
☒ 73	713	1.3 to 1.6	POORLY GRADED SAND with GRAVEL(SP)	3.7	NP	NP	NP	0.2	26.9
▲ 74	714	3.2 to 3.5	POORLY GRADED SAND with GRAVEL(SP)	3.8	NP	NP	NP	0.6	9.1

Field#	Lab#	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 72	712	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	98.1	97.3	85.3	38.9	29.2	26.9	1.2	72.0	26.9	
☒ 73	713	100.0	100.0	100.0	82.9	79.9	72.9	68.7	58.6	53.3	49.1	41.6	16.3	7.3	3.4	41.4	55.1	3.4	
▲ 74	714	100.0	100.0	100.0	100.0	100.0	93.5	87.8	74.6	64.6	57.9	48.6	22.6	8.7	4.4	25.4	70.2	4.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

