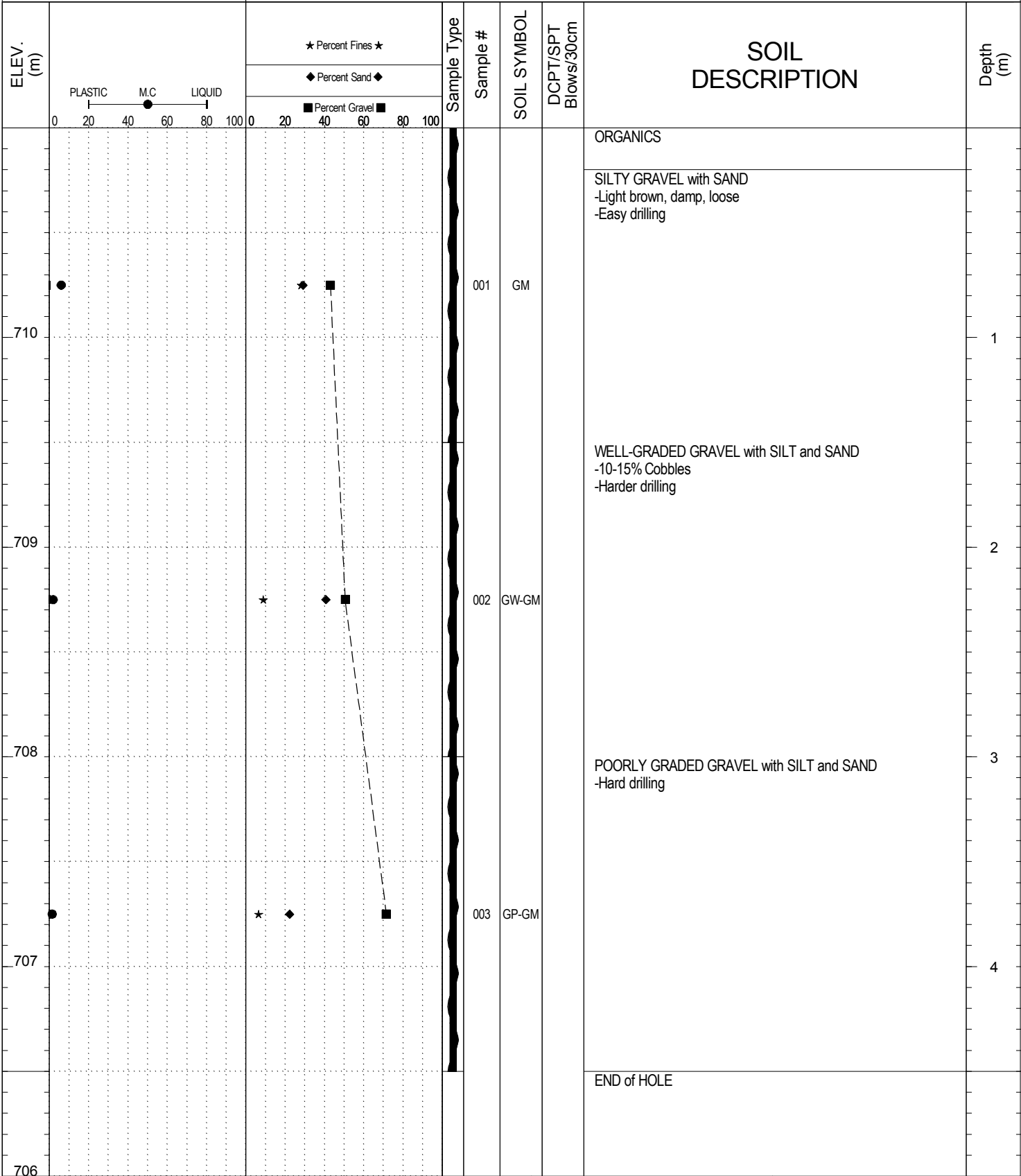
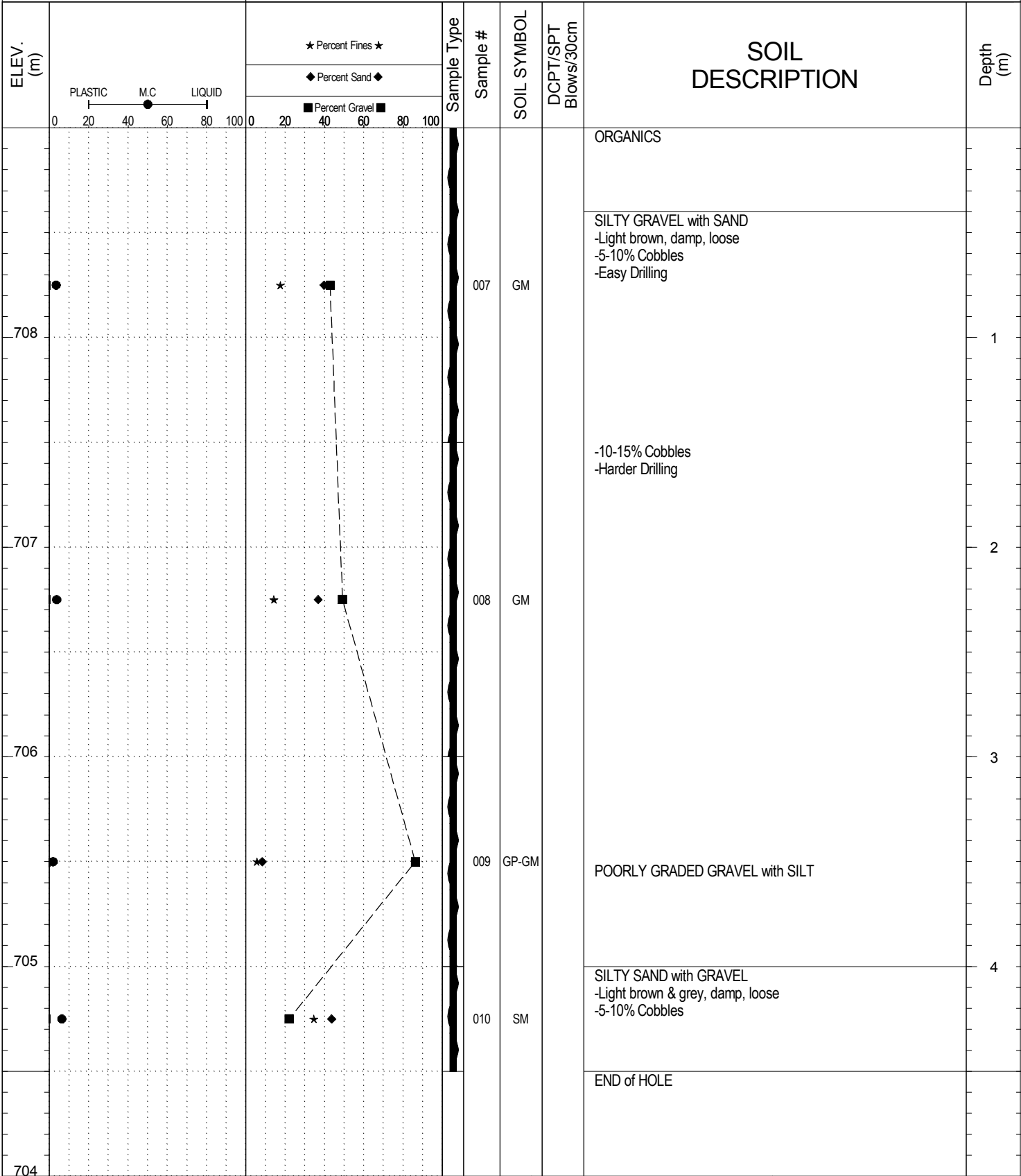


SAMPLE TYPE RETURN DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		Alaska Highway		SOURCE/TP#: 860-5201	
Donjek Drilling		Azure Frontage Road, km 1432.5		PROJECT NO: 552-202101-0908-0661-1	
B61 150mm Solid Stem		Coordinates: Z08V N6738019m E491274m		ELEVATION: 712m	
SAMPLE TYPE		<input type="checkbox"/> RETURN <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 ■		SOIL DESCRIPTION
	0 20 40 60 80 100		Sample Type Sample # SOIL SYMBOL DCPT/SPT Blows/30cm		
711			004 GW		ORGANICS WELL-GRADED GRAVEL with SAND -Light brown, damp, loose -10-15% Cobbles -Fairly easy drilling
710			005 GP-GM		POORLY GRADED GRAVEL with SILT and SAND
709			006 GW		WELL-GRADED GRAVEL with SAND
708					
707					END of HOLE
		LOGGED BY: G. Kennedy COMPILED BY: M. Jubinville REVIEWED BY:		Termination Depth: 4.5m Complete: 7/13/2015 11:53:00 AM Pit #: Page 1 of 1	

SAMPLE TYPE RETURN DCPT AUGER BULK SPT CORE



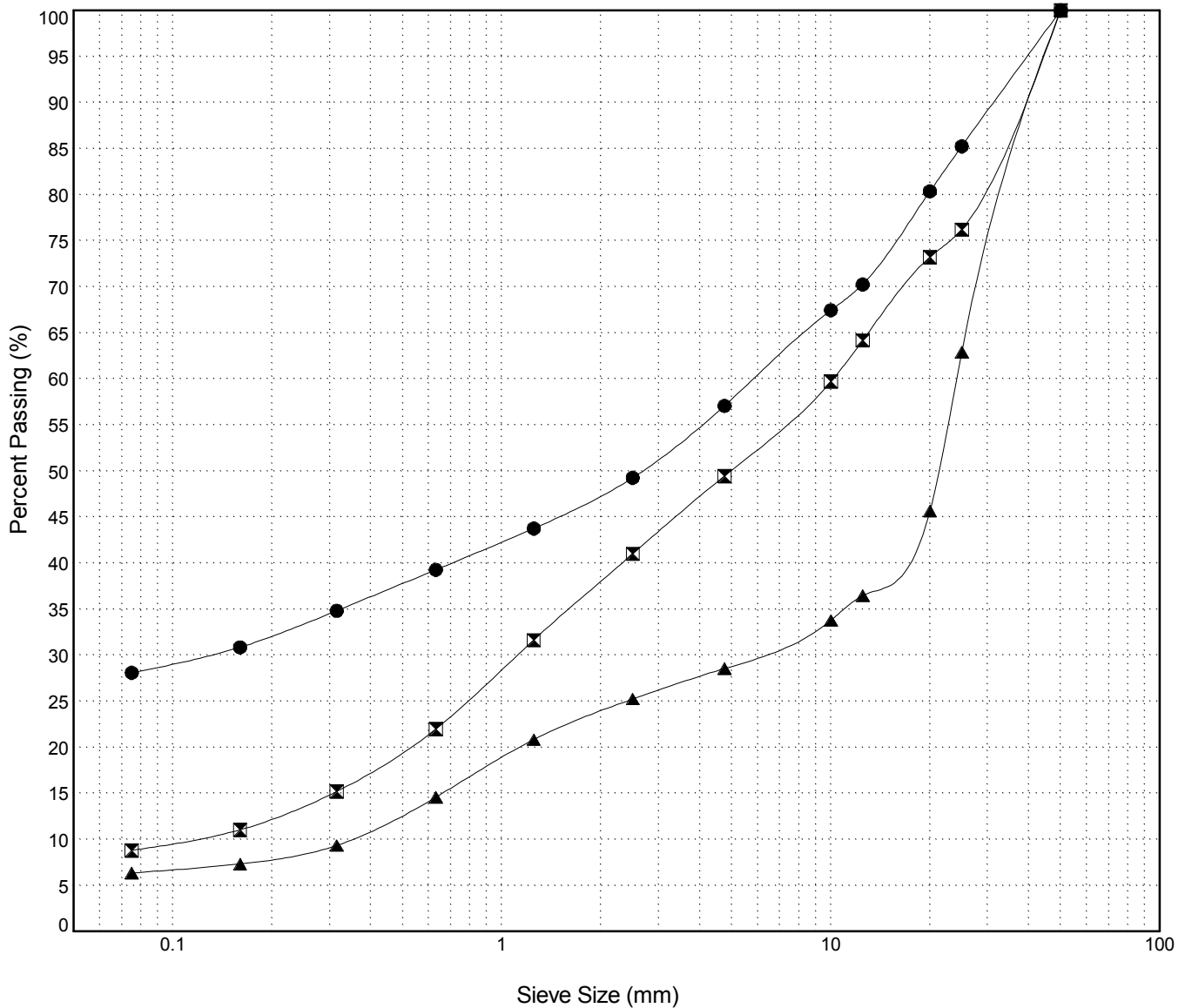
GRAIN SIZE ANALYSIS	Azure Frontage Road	SOURCE/TP#: 860-5200
Donjek Drilling	km 1432.5	PROJECT NO: 552-202101-0908-0661-1
B61 150mm Solid Stem	Coordinates:Z08V N6738128m E491179m	ELEVATION: 711m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 001	143	0.0 to 1.5	SILTY GRAVEL with SAND(GM)	5.9	NP	NP	NP		
☒ 002	144	1.5 to 3.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.8	NP	NP	NP	1.1	90.4
▲ 003	145	3.0 to 4.5	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.4	NP	NP	NP	4.1	70.1

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
● 001	143	100.0	100.0	100.0	100.0	85.2	80.4	70.2	67.4	57.1	49.3	43.7	39.3	34.8	30.8	28.1	42.9	29.0	28.1	
☒ 002	144	100.0	100.0	100.0	76.2	73.2	64.2	59.7	49.5	41.0	31.6	22.0	15.2	11.0	8.8		50.5	40.6	8.8	
▲ 003	145	100.0	100.0	100.0	62.9	45.7	36.5	33.8	28.5	25.2	20.8	14.6	9.3	7.3	6.4		71.5	22.2	6.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit #:
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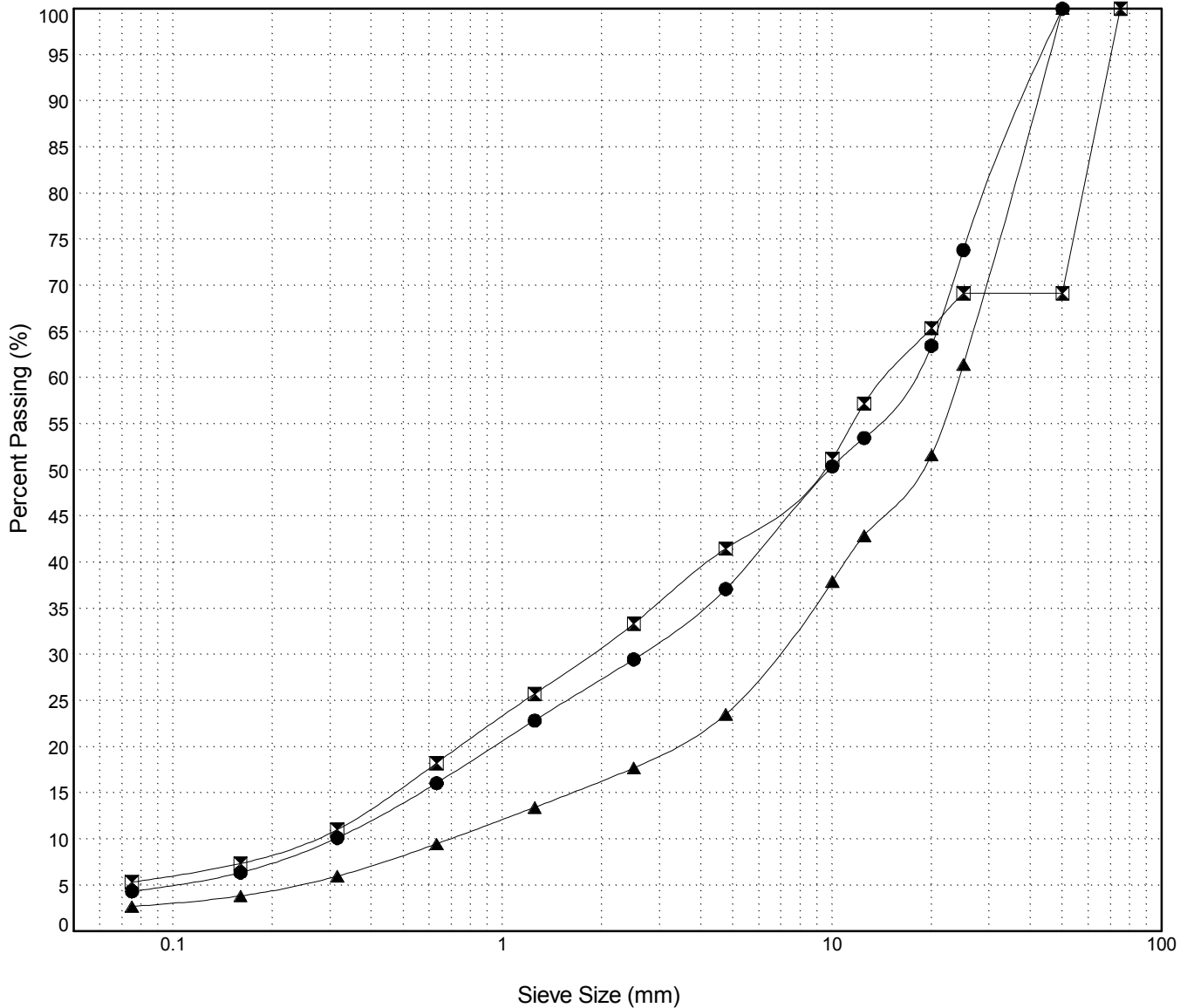
GRAIN SIZE ANALYSIS	Azure Frontage Road	SOURCE/TP#: 860-5201
Donjek Drilling	km 1432.5	PROJECT NO: 552-202101-0908-0661-1
B61 150mm Solid Stem	Coordinates:Z08V N6738019m E491274m	ELEVATION: 712m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 004	146	0.0 to 1.5	WELL-GRADED GRAVEL with SAND(GW)	2.0	NP	NP	NP	1.3	55.3
☒ 005	147	1.5 to 3.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.3	NP	NP	NP	0.9	56.3
▲ 006	148	3.0 to 4.5	WELL-GRADED GRAVEL with SAND(GW)	1.7	NP	NP	NP	2.6	35.1

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
● 004	146	100.0	100.0	100.0	100.0	73.8	63.5	53.5	50.4	37.1	29.5	22.9	16.1	10.1	6.4	4.3	62.9	32.8	4.3
☒ 005	147	100.0	100.0	69.1	69.1	65.4	57.2	51.2	41.5	33.3	25.7	18.2	11.0	7.4	5.3	58.5	36.1	5.3	
▲ 006	148	100.0	100.0	100.0	61.4	51.6	42.9	37.9	23.5	17.7	13.4	9.5	6.0	3.8	2.7	76.5	20.8	2.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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Pit #:
Complete: 7/13/2015 11:53:00 AM

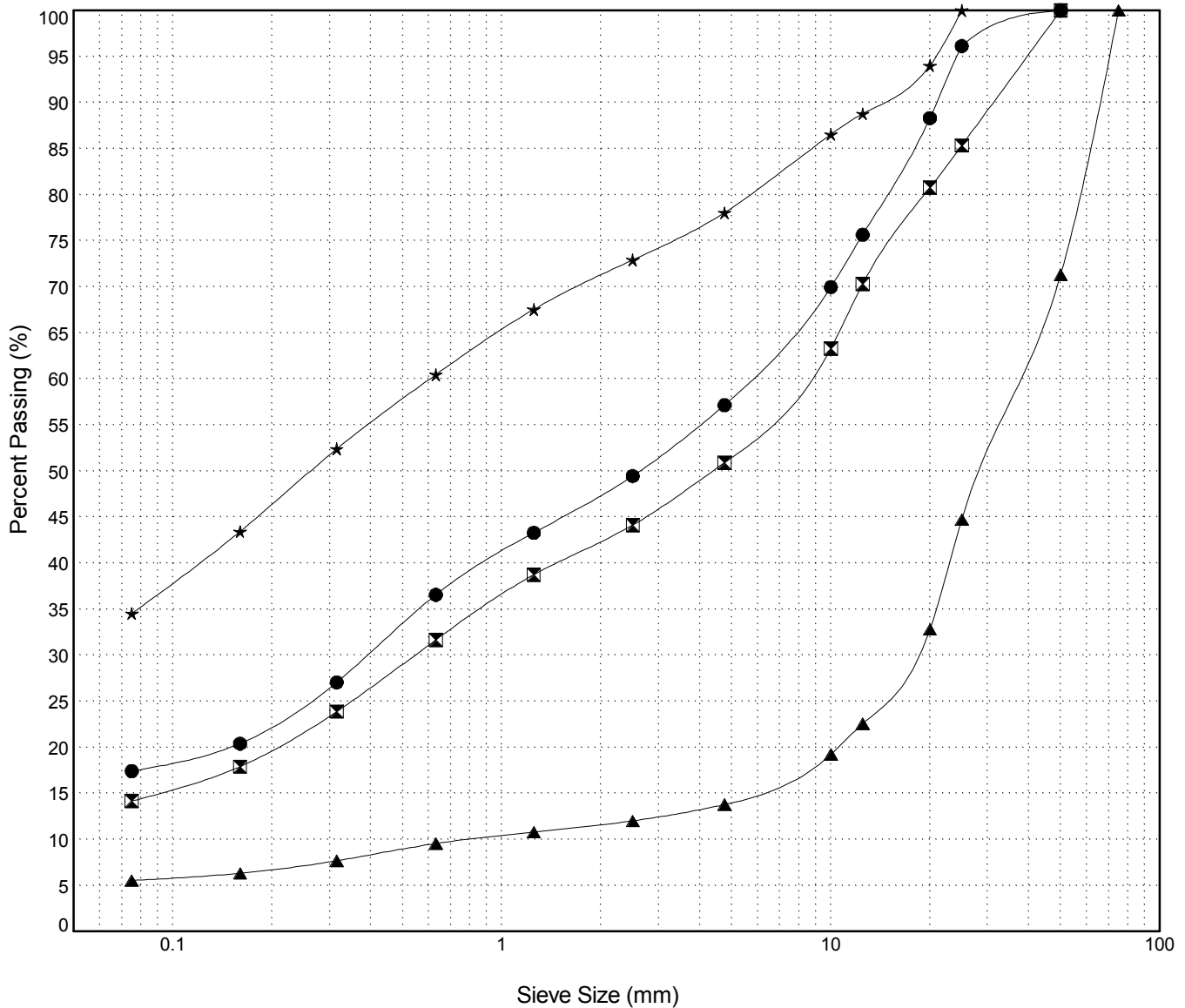
GRAIN SIZE ANALYSIS	Azure Frontage Road	SOURCE/TP#: 860-5202
Donjek Drilling	km 1432.5	PROJECT NO: 552-202101-0908-0661-1
B61 150mm Solid Stem	Coordinates:Z08V N6737931m E491372m	ELEVATION: 709m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 007	149	0.0 to 1.5	SILTY GRAVEL with SAND(GM)	3.4	NP	NP	NP		
☒ 008	150	1.5 to 3.0	SILTY GRAVEL with SAND(GM)	3.6	NP	NP	NP		
▲ 009	151	3.0 to 4.0	POORLY GRADED GRAVEL with SILT(GP-GM)	1.8	NP	NP	NP	10.3	46.1
★ 010	152	4.0 to 4.5	SILTY SAND with GRAVEL(SM)	6.3	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 007	149	100.0	100.0	100.0	100.0	96.1	88.3	75.6	70.0	57.1	49.5	43.3	36.6	27.0	20.4	17.4	42.9	39.7	17.4
☒ 008	150	100.0	100.0	100.0	85.3	80.8	70.3	63.3	50.9	44.1	38.7	31.7	23.9	17.9	14.2		49.1	36.7	14.2
▲ 009	151	100.0	100.0	71.3	44.7	32.8	22.6	19.2	13.8	12.0	10.8	9.6	7.7	6.3	5.5		86.2	8.2	5.5
★ 010	152	100.0	100.0	100.0	100.0	94.0	88.8	86.5	78.0	72.9	67.5	60.5	52.4	43.4	34.5		22.0	43.5	34.5

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works
Transportation Engineering Branch

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COMPILED BY: M. Jubinville
REVIEWED BY:

Pit #:
Complete: 7/13/2015 1:18:00 PM