GEOTECHNICAL INVESTIGATIONS

Highway Construction
km 1716.6 to 1723.6
Yukon, 2003-2004
Volume 2 of 3

Yukon
Highways and Public Works
Transportation Engineering Branch

Geotechnical Services

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ORIGINAL - Do Not Remove From File

Highway Construction
Km 1716.6 to 1723.6
Alaska Highway #1
Yukon, 2004-2005
Volume 2 of 3

This Data Package prepared for project viewing:

February, 2004

Transportation Engineering Branch
Geotechnical Services
461 Range Road
Whitehorse, Yukon

CONTENTS

Volume 1 of 3

INTRODUCTION

Investigation notes, classification methods and legends.

CENTRELINE TESTING km 1716.6 to 1723.6, Alaska Highway

Subsurface Exploration and Test Report Sheets are provided.
The reports for the Centreline testing holes are arranged according to project location, starting at km 1716+900 and increasing to km 1723+725.

Laboratory Testing Result Sheets are provided.
The reports for the centreline holes are arranged according to test hole number, starting at 619-495 and increasing to 649-259.

2001	TEST HOLES 495 to 505	shown with prefix 619-
	TEST HOLES 506 to 521	shown with prefix 620-
	TEST HOLES 522 to 531	shown with prefix 621-
2003	TEST HOLES 221 to 245	shown with prefix 648-
	TEST HOLES 246 to 259	shown with prefix 649-

CONTENTS (continued)

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GRANULAR SOURCE km 1719.5 RHS ALASKA HIGHWAY

Location plans, photographs, and subsurface exploration and testing report sheets are provided.

Auger Testing

2003	TEST HOLES 2766-2773	shown with prefix 656-

Test Pit Testing

2003	TEST PITS 2774 to 2784 & 2795 to 2797	shown with prefix 658-
	TEST PITS 2798 to 2815	shown with prefix 659-
	TEST PITS 2817 to 2830	shown with prefix 660-
	TEST PITS 2831 to 2845	shown with prefix 661-
	TEST PITS 2846 to 2851	shown with prefix 662-

CONTENTS (continued)

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GRANULAR SOURCE km 1721.0 RHS ALASKA HIGHWAY

A production history and location plans are provided.

GRANULAR SOURCE km 1730.2 LHS ALASKA HIGHWAY

A production history, location plan, photographs, and subsurface exploration and testing report sheets are provided.

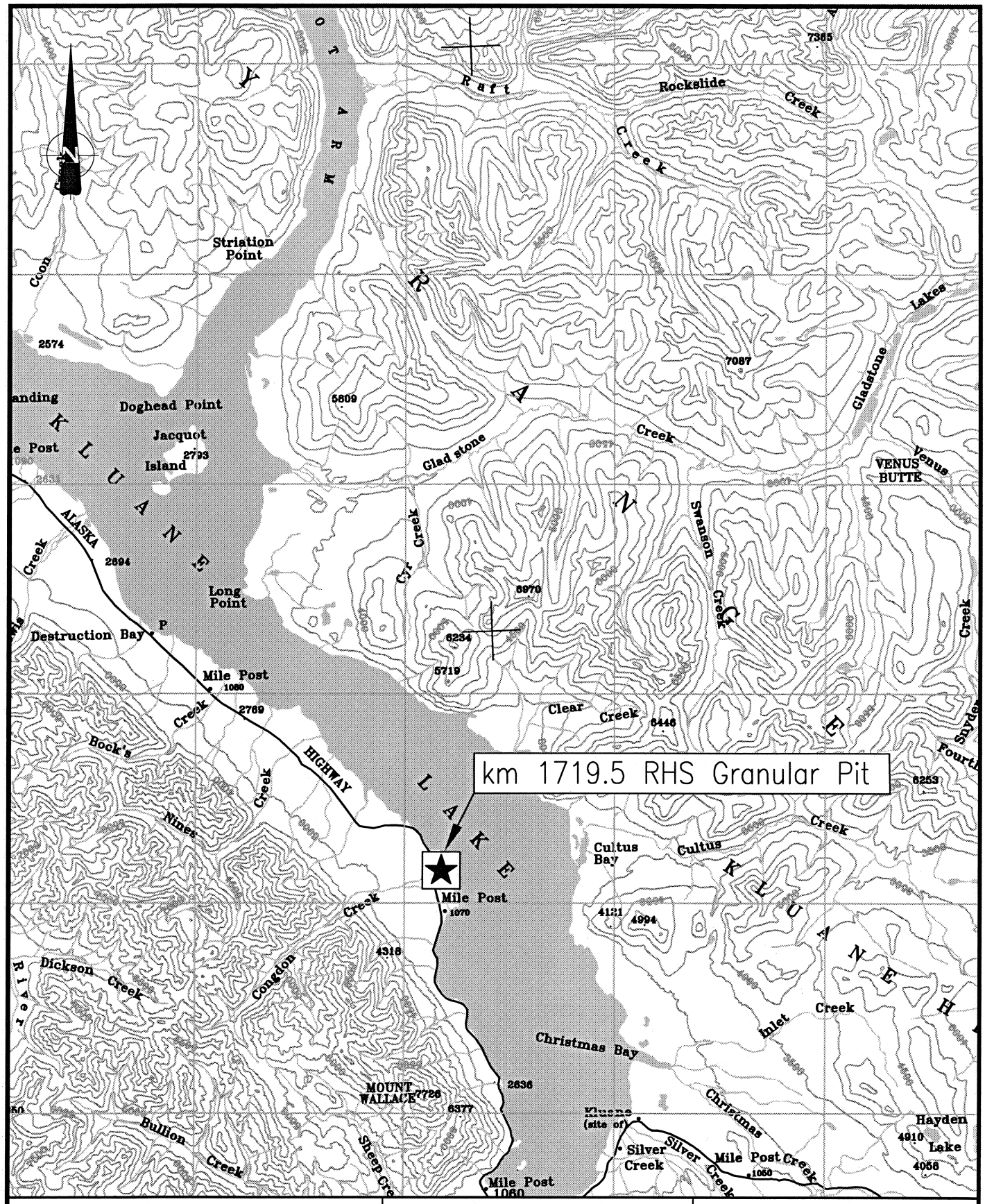
Auger Testing

2001	TEST HOLES 1926 to 1928	shown with prefix 623-
	TEST HOLES 1938 to 1941	shown with prefix 624-

Test Pit Testing

2002	TEST PITS 2460 to 2520	shown with prefix 638-

GRANULAR SOURCE TESTING
km 1719.5 RHS
ALASKA HIGHWAY

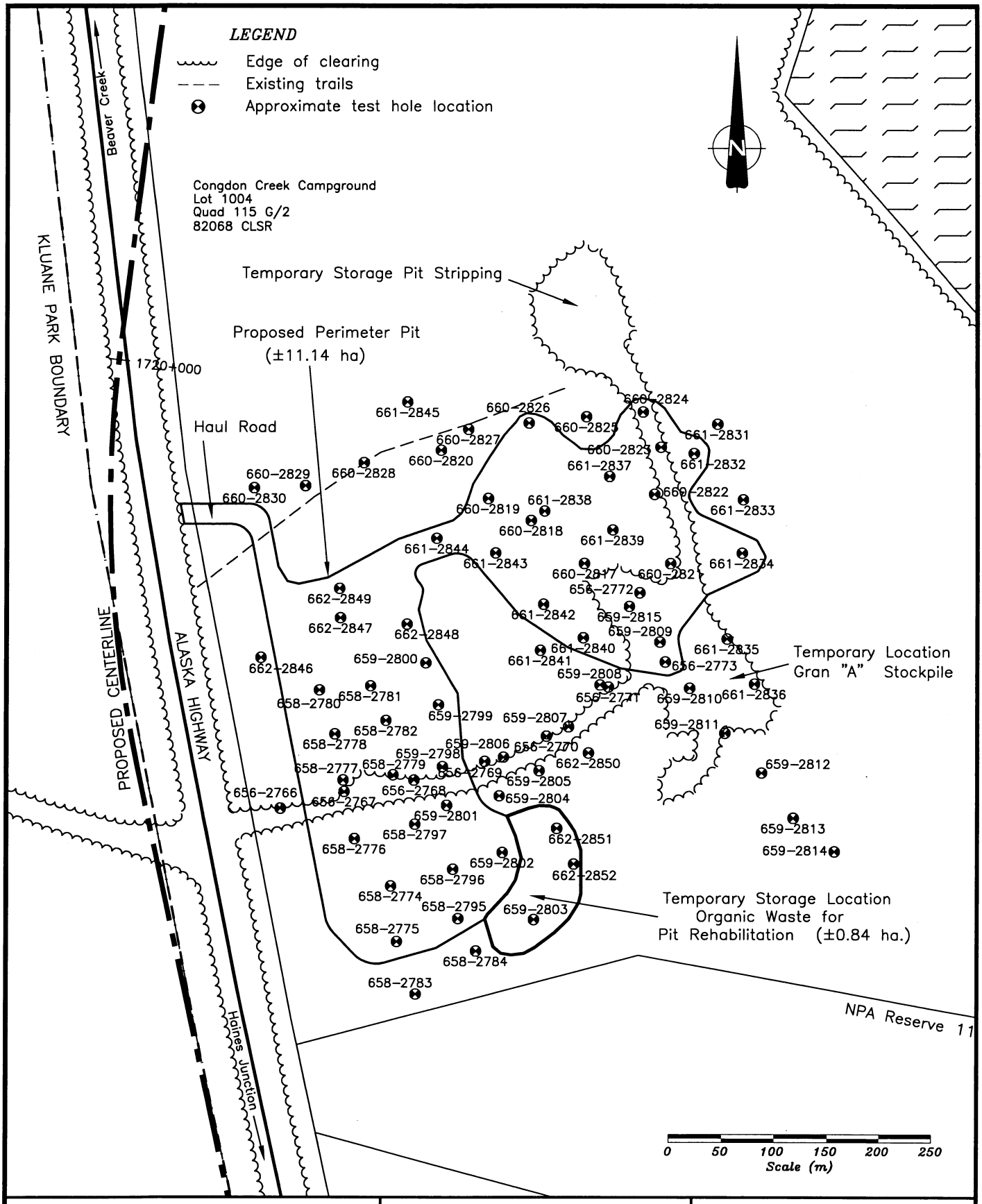


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KEY PLAN
GRANULAR PIT
RESERVE
km 1719.5 R.H.S.
(Congdon Creek)
ALASKA HWY. YUKON

pit file:	115-G-23
quad:	115 G
drawn:	S. Fraser
date:	2004-01-20
scale:	1: 250,000
drwg:	115g-23K

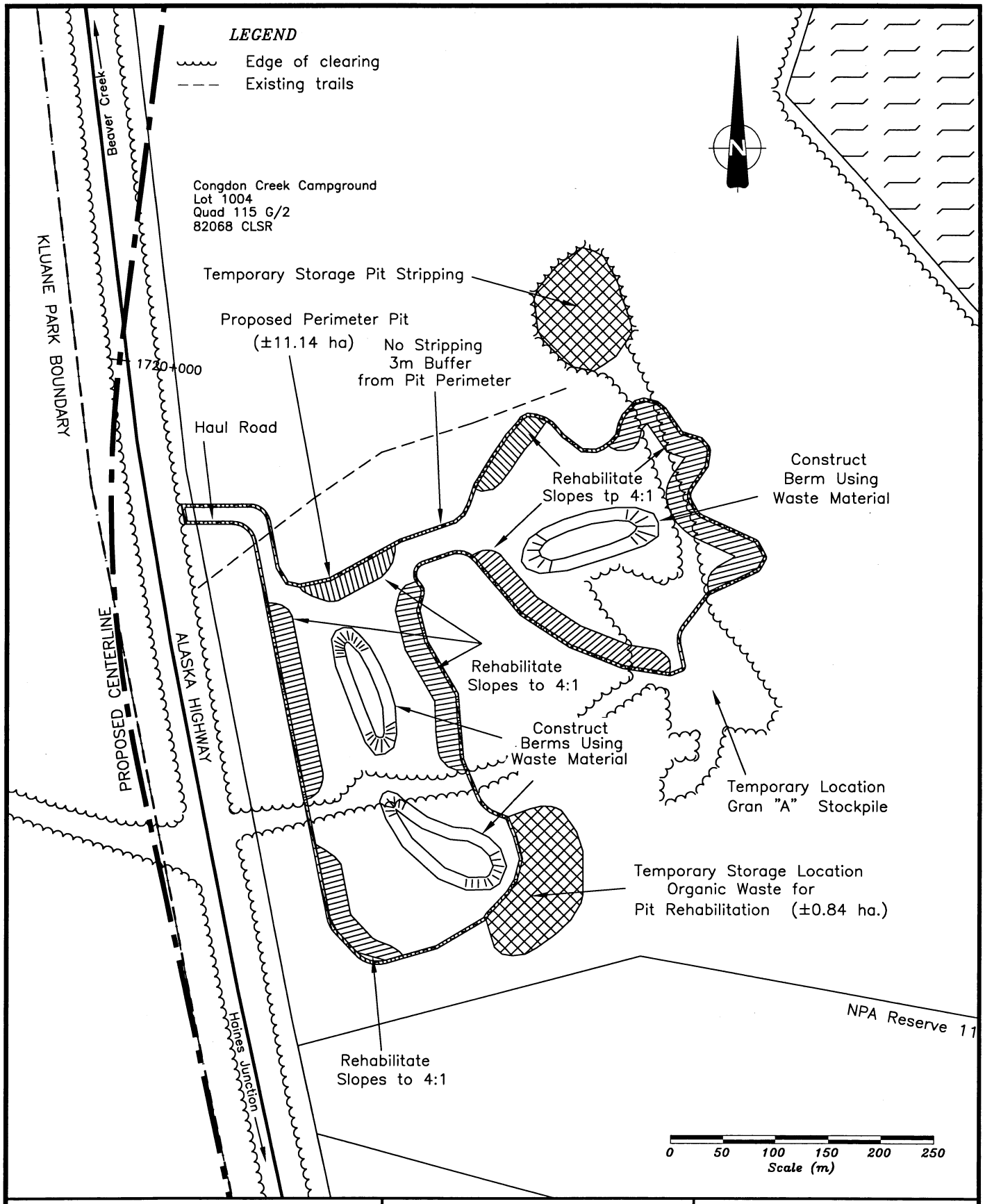


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SITE PLAN
PROPOSED GRANULAR PIT
km 1719.5 RHS
ALASKA HWY. YUKON

pit file:	115 G–23
revision:	2004–Proposed
drawn:	JJM
date:	2004–02–04
scale:	1: 5000
drwg:	115g–22S



Yukon
Highways and Public Works

Transportation Engineering Branch

SITE PLAN
PROPOSED GRANULAR PIT
km 1719.5 RHS
ALASKA HWY. YUKON

pit file:	115 G–23
revision:	2004–Proposed
drawn:	JJM
date:	2004–02–04
scale:	1: 5000
drwg:	115g–22S

Km 1719.5 RHS Alaska Highway #1
Pit Ident. 115 G-23 (Congdon Campground)

October 2003

Auger Hole Logs

SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2766
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -rough drilling 0-2.5m		400		GP			0.0
1.0								1.0
			401		GP			
2.0								2.0
	-easy drilling @ 2.5m - still grinding		402		GP			
3.0								3.0
4.0			403		GP			4.0
5.0	END HOLE @ 5.0m -had to reverse auger to remove							5.0
6.0								6.0

Government of Yukon
Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/10/17
Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2767
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND TO POORLY GRADED GRAVEL WITH SILT & SAND (GP)-(GP-GM) -brown -damp -rough drilling		404		GP			0.0
1.0								1.0
			405		GP-GM			
2.0	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM) -easy drilling 2.2-3.0							2.0
			406		GW-GM			
3.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -rough drilling							3.0
4.0								4.0
			407		GP-GM			
5.0	END HOLE @ 5.0m							5.0
6.0								6.0

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Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/10/17
Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2768
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⧄ S.P.T. ☒ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -rough drilling		408	SW	
1.0					
	SILTY SAND WITH GRAVEL (SM) -brown -moist -easy drilling		409	SM	
2.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -brown -damp -grinding drilling		410	GP-GM	
3.0					
4.0			411	GP-GM	
5.0	END HOLE @ 5.0m				
6.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID 20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

DEPTH (m) 0.0 1.0 2.0 3.0 4.0 5.0 6.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/10/17
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2769
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -rough drilling		412 ▲		GP		◆ ■	0.0
1.0	SILTY SAND WITH GRAVEL (SM) -brown -smooth drilling 1.2-1.6m -damp -field description silty sand 1.2-1.6m -grindy drilling below 1.6m		413 ● ▲		SM		■ ◆	1.0
2.0								2.0
3.0	-smooth drilling 3.2-3.8m		414 ● ▲		SM		■ ◆	3.0
4.0	-grinding below 3.8m -no sample recovery below 3.8m							4.0
5.0	END HOLE @ 5.0m							5.0
6.0								6.0

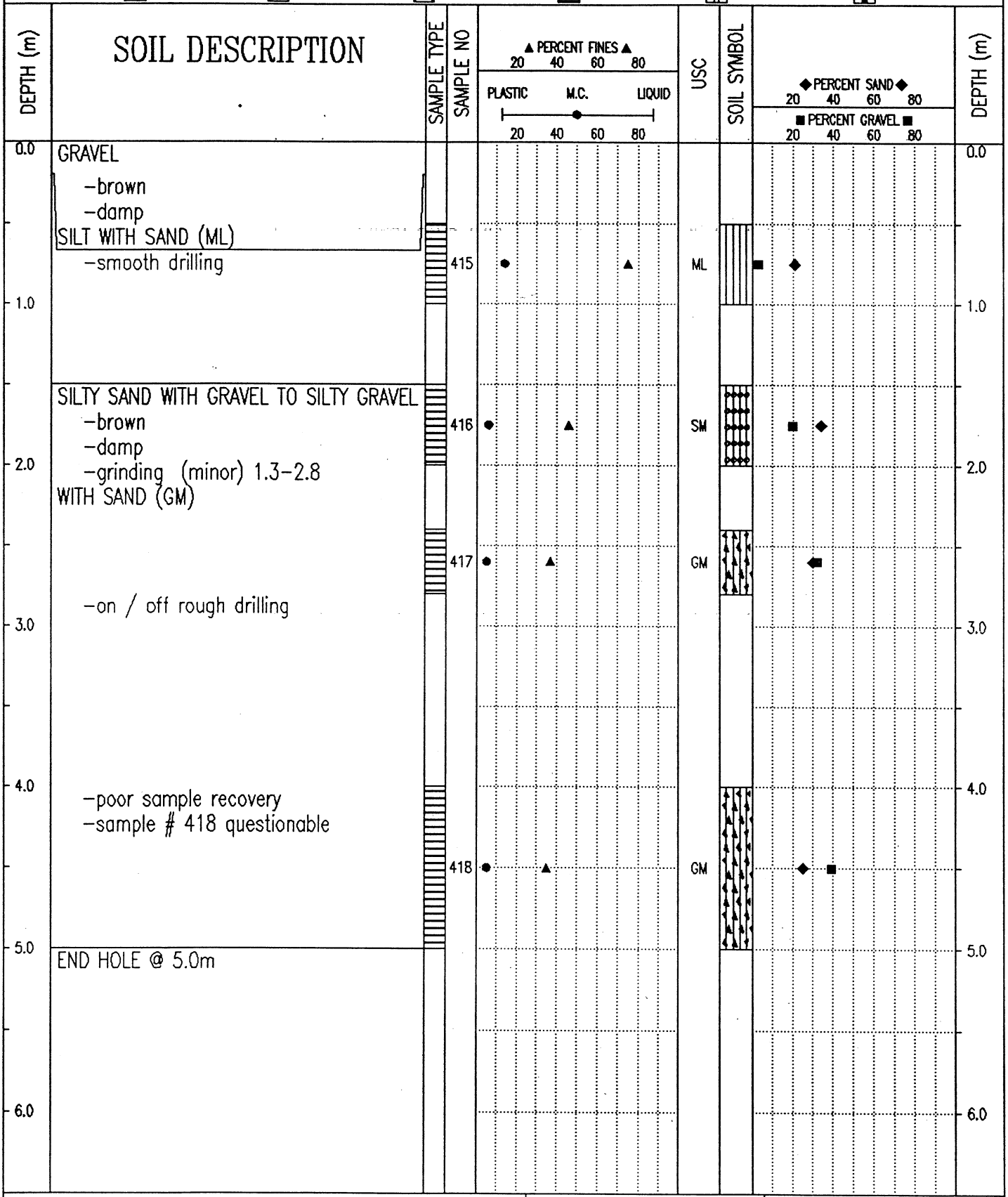
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REVIEWED BY:	COMPLETE: 03/10/17
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2770
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▯ TUBE ▮ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 03/10/17
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2771
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -minor grinding		419	▲	SW		■ ◆	0.0
1.0								1.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -brown -damp -smooth, light grinding		420	● ▲	SW-SM		■ ◆	
2.0								2.0
	-easy smooth drilling @ 2.5m to EOH		421	▲	SW-SM		■ ◆	
3.0	SANDY SILT (ML) -organic -moist to wet		422	● ▲	ML		■ ◆	3.0
	SILT WITH SAND (ML) -brown -moist to wet							
4.0			423	● ▲	ML		■ ◆	4.0
5.0	END HOLE @ 5.0m							5.0
6.0								6.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/10/17
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2772
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND TO WELL-GRADED SAND WITH SILT & GRAVEL (GP)-(SW-SM) -brown -damp -grinding 0-5.0m -no moisture result for sample #424		424	▲	GP		◆ ■	0.0
1.0								1.0
			425	▲	GP		◆ ■	
2.0								2.0
			426	▲	GP		◆ ■	
3.0								3.0
4.0								4.0
			427	● ▲	SW-SM		■	
5.0	END HOLE @ 5.0m Note: Test hole is upchain of end of old pit. -estimate 2.0m previously excavated							5.0
6.0								6.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 03/10/17
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST HOLE NO: 656-2773
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
D-4 CAT 6" AUGER	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -grinding 0-5.0m							0.0
			427		GP			
1.0								1.0
			429		GP			
2.0								2.0
			429		GP			
3.0								3.0
4.0			430		GP			4.0
5.0								5.0
	END HOLE @ 5.0m							
6.0								6.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/10/17
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Km 1719.5 RHS Alaska Highway #1
Pit Ident. 115 G-23 (Congdon Campground)

October 2003

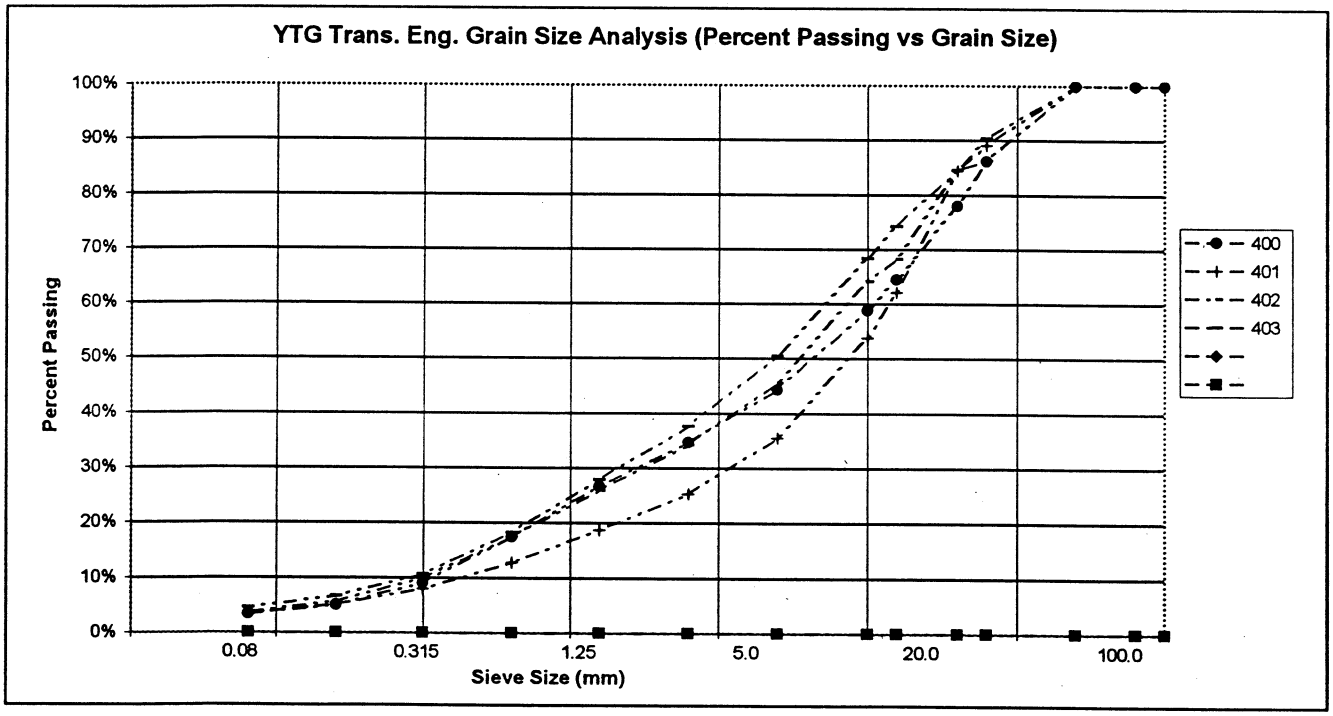
Auger Sample Results

PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2766

DATE COMP: Oct 17/03

FIELD NO:	400	401	402	403		
LAB NO:	430	431	432	433		
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	86%	89%	86%	90%		
20.0	78%	84%	85%	85%		
12.5	65%	62%	68%	74%		
10.0	59%	54%	64%	68%		
5.0	44%	36%	46%	51%		
2.5	35%	25%	34%	38%		
1.25	27%	19%	26%	28%		
0.630	17%	13%	17%	18%		
0.315	9%	8%	10%	11%		
0.160	5%	5%	6%	7%		
0.080	3%	3%	4%	5%		
M.C.(%):	2%	2%	2%	2%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	56	64	54	49		
% SAND:	41	32	42	46		
% FINES:	3	3	4	5		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)		

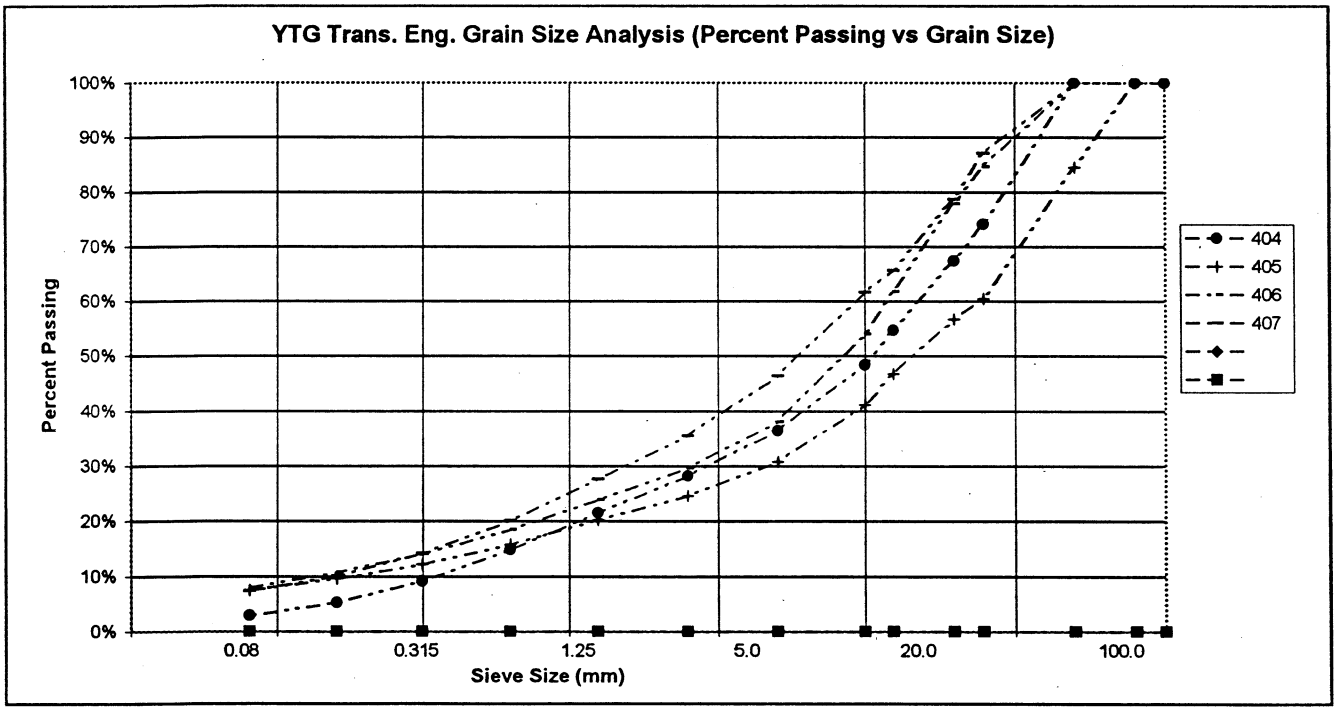


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2767

DATE COMP: Oct 17/03

FIELD NO:	404	405	406	407		
LAB NO:	434	435	436	437		
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	85%	100%	100%		
25.0	74%	60%	85%	87%		
20.0	67%	57%	78%	79%		
12.5	55%	47%	62%	66%		
10.0	48%	41%	54%	62%		
5.0	37%	31%	38%	46%		
2.5	28%	25%	30%	36%		
1.25	22%	20%	24%	28%		
0.630	15%	16%	19%	20%		
0.315	9%	12%	14%	14%		
0.160	5%	10%	11%	10%		
0.080	3%	7%	8%	7%		
M.C.(%):	2%	4%	4%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	63	69	62	54		
% SAND:	34	23	30	39		
% FINES:	3	7	8	7		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		

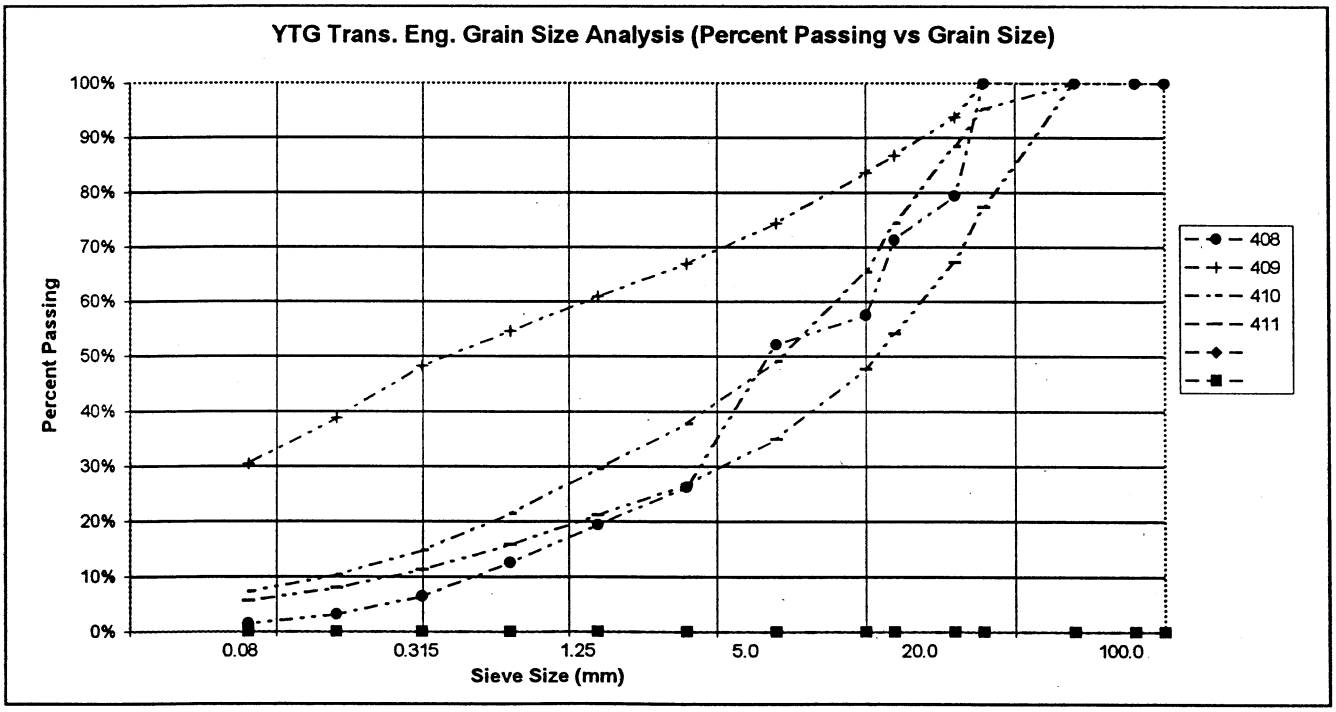


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2768

DATE COMP: Oct 17/03

FIELD NO:	408	409	410	411		
LAB NO:	438	439	440	441		
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	95%	77%		
20.0	79%	94%	88%	67%		
12.5	71%	87%	74%	54%		
10.0	58%	84%	65%	48%		
5.0	52%	74%	49%	35%		
2.5	26%	67%	38%	27%		
1.25	19%	61%	29%	21%		
0.630	13%	55%	21%	16%		
0.315	6%	48%	15%	11%		
0.160	3%	39%	10%	8%		
0.080	2%	30%	7%	6%		
M.C.(%):	2%	17%	3%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	48	26	51	65		
% SAND:	51	44	42	29		
% FINES:	2	30	7	6		
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		

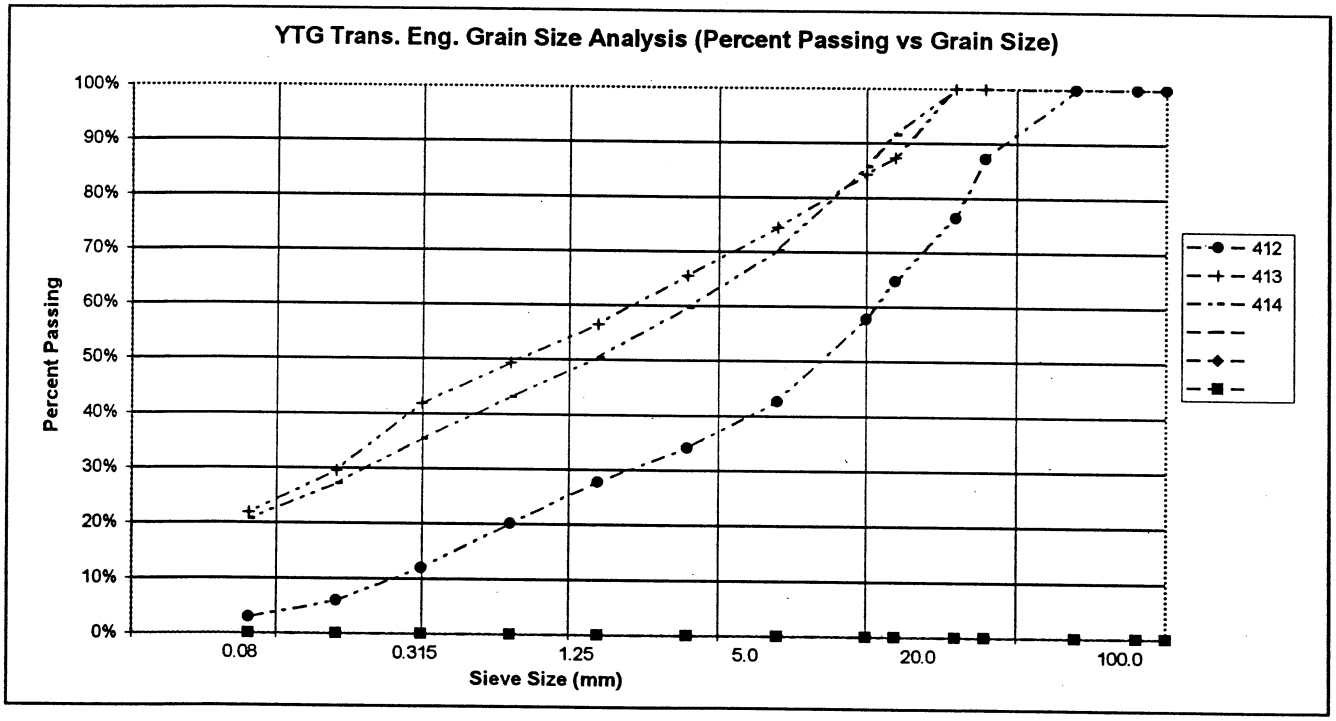


PROJECT NUMBER:	552-202101-0361-1
CLIENT:	Engineering Capital
PROJECT NAME:	Shakwak Project Granular Investigation
PROJECT LOCATION:	KM 1719.5 A/H RHS
DRILL UNIT:	D-4 Cat 6" Auger
HOLE LOCATION:	See Plan
LOGGED BY:	GC

HOLE No.: 656-2769

DATE COMP: Oct 17/03

FIELD NO:	412	413	414			
LAB NO:	442	443	444			
DEPTH:	0.5-1.0	1.2-1.6	2.5-3.0			
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	87%	100%	100%			
20.0	76%	100%	100%			
12.5	65%	87%	92%			
10.0	58%	84%	86%			
5.0	43%	74%	70%			
2.5	34%	65%	60%			
1.25	28%	57%	50%			
0.630	20%	49%	43%			
0.315	12%	42%	35%			
0.160	6%	30%	27%			
0.080	3%	22%	21%			
M.C.(%):	2%	10%	4%			
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	57	26	30			
% SAND:	40	52	49			
% FINES:	3	22	21			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			

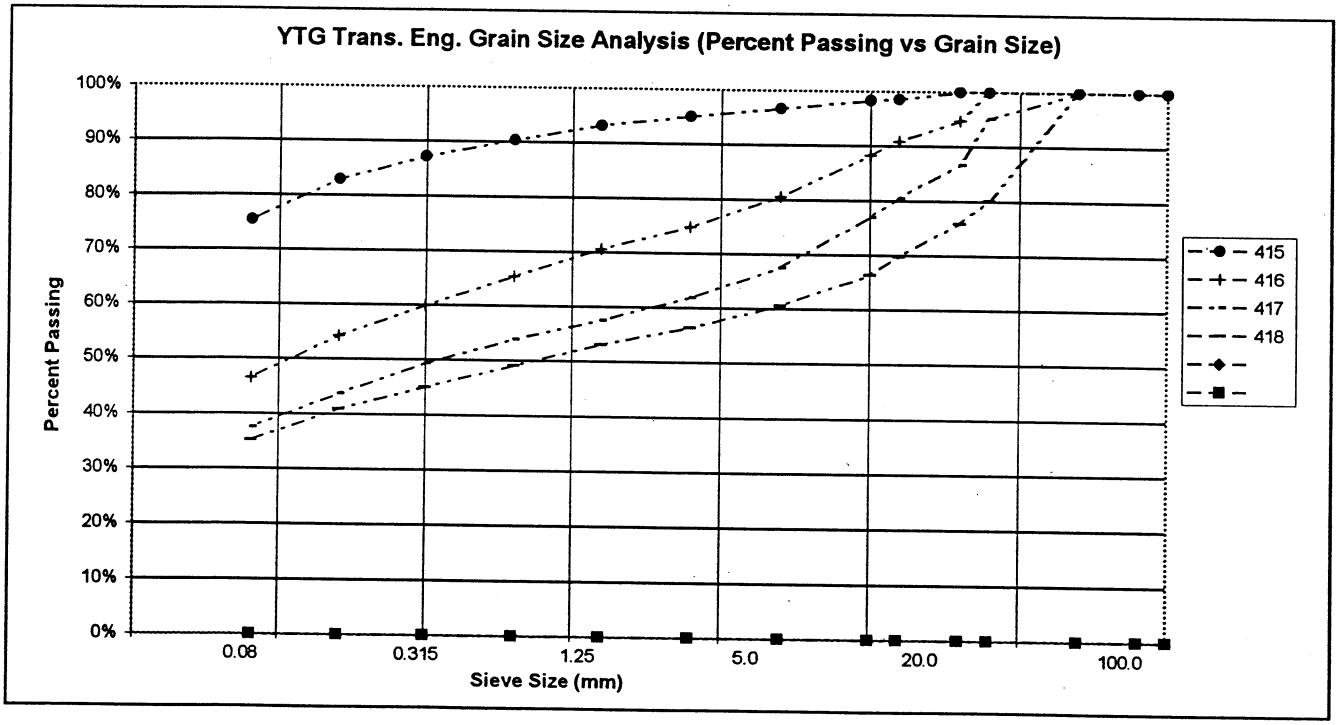


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2770

DATE COMP: Oct 17/03

FIELD NO:	415	416	417	418		
LAB NO:	445	446	447	448		
DEPTH:	0.5-1.0	1.5-2.0	2.4-2.8	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	95%	80%		
20.0	100%	95%	87%	76%		
12.5	99%	91%	80%	70%		
10.0	98%	88%	77%	66%		
5.0	97%	80%	68%	61%		
2.5	95%	75%	62%	56%		
1.25	93%	71%	58%	53%		
0.630	90%	65%	54%	49%		
0.315	87%	60%	49%	45%		
0.160	83%	54%	44%	41%		
0.080	75%	46%	37%	35%		
M.C.(%):	14%	6%	5%	5%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	3	20	32	39		
% SAND:	21	34	30	25		
% FINES:	75	46	37	35		
CLASSIFICATION	SILT WITH SAND (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)		

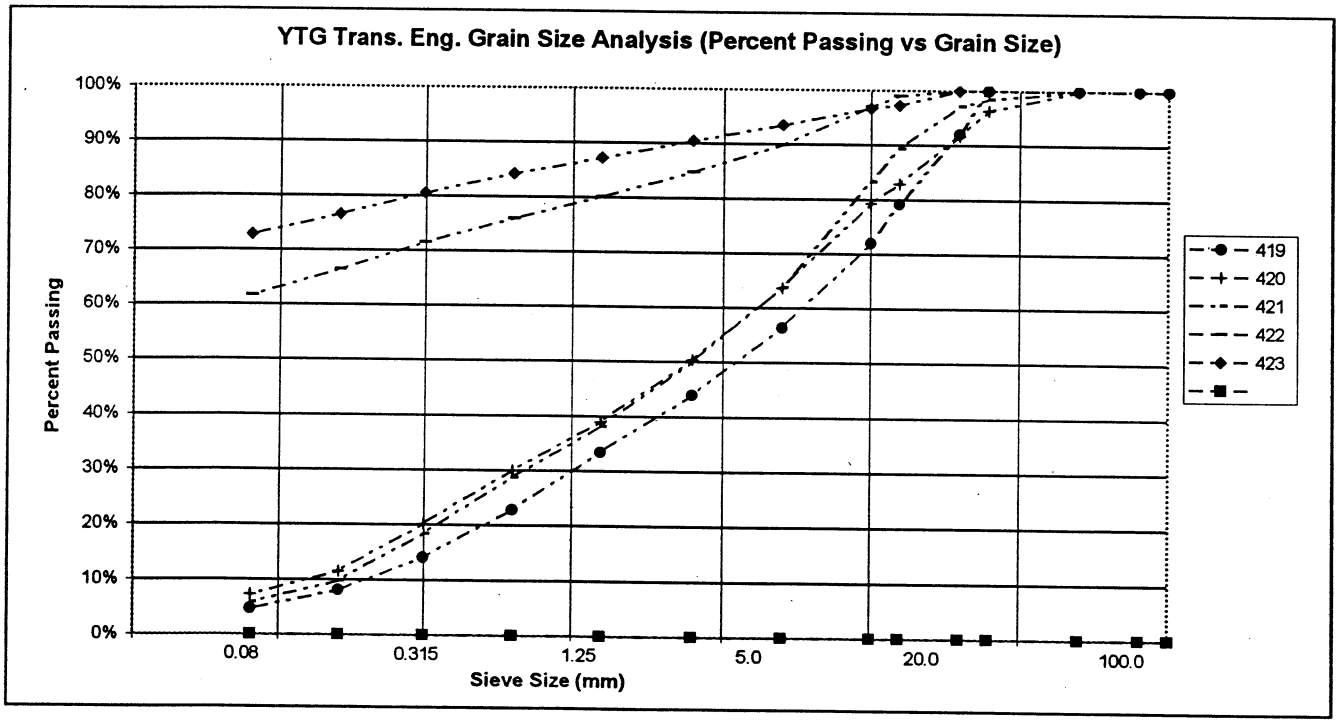


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2771

DATE COMP: Oct 17/03

FIELD NO:	419	420	421	422	423	
LAB NO:	449	450	451	452	453	
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	3.0-3.2	4.0-5.0	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	96%	99%	100%	100%	
20.0	92%	92%	97%	100%	100%	
12.5	79%	83%	89%	99%	97%	
10.0	72%	79%	83%	97%	97%	
5.0	56%	64%	64%	90%	94%	
2.5	44%	50%	50%	85%	91%	
1.25	33%	39%	38%	80%	87%	
0.630	23%	30%	29%	76%	84%	
0.315	14%	20%	18%	72%	81%	
0.160	8%	11%	10%	66%	77%	
0.080	5%	7%	6%	62%	73%	
M.C.(%):	2%	3%	3%	19%	19%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	44	36	36	10	6	
% SAND:	52	56	58	28	21	
% FINES:	5	7	6	62	73	
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SANDY SILT (ML)	SILT WITH SAND (ML)	

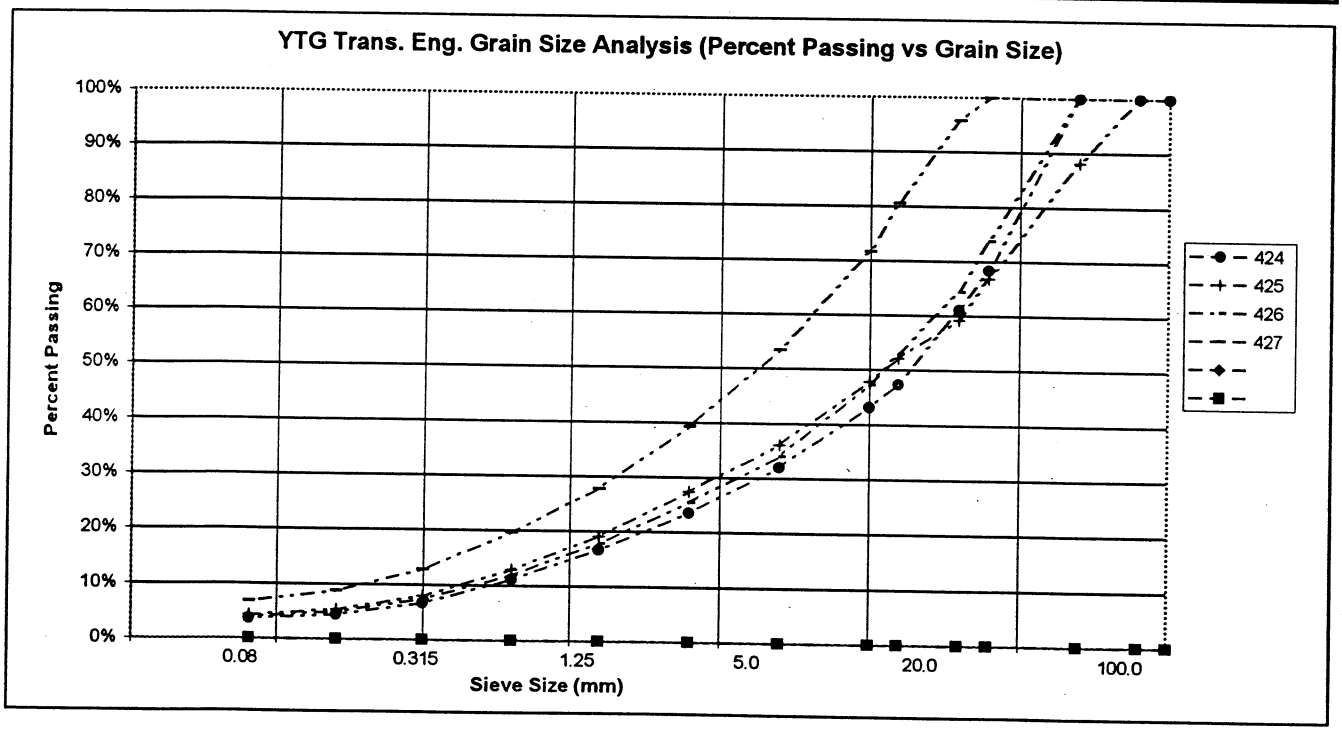


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2772

DATE COMP: Oct 17/03

FIELD NO:	424	425	426	427		
LAB NO:	454	455	456	457		
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	88%	100%	100%		
25.0	68%	67%	74%	100%		
20.0	61%	59%	64%	96%		
12.5	47%	52%	53%	80%		
10.0	43%	48%	47%	72%		
5.0	32%	36%	34%	54%		
2.5	24%	27%	25%	39%		
1.25	17%	19%	18%	28%		
0.630	11%	13%	12%	20%		
0.315	7%	8%	7%	13%		
0.160	4%	5%	5%	9%		
0.080	4%	4%	4%	7%		
M.C.(%):	0%	2%	2%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	68	64	66	46		
% SAND:	28	32	30	47		
% FINES:	4	4	4	7		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		

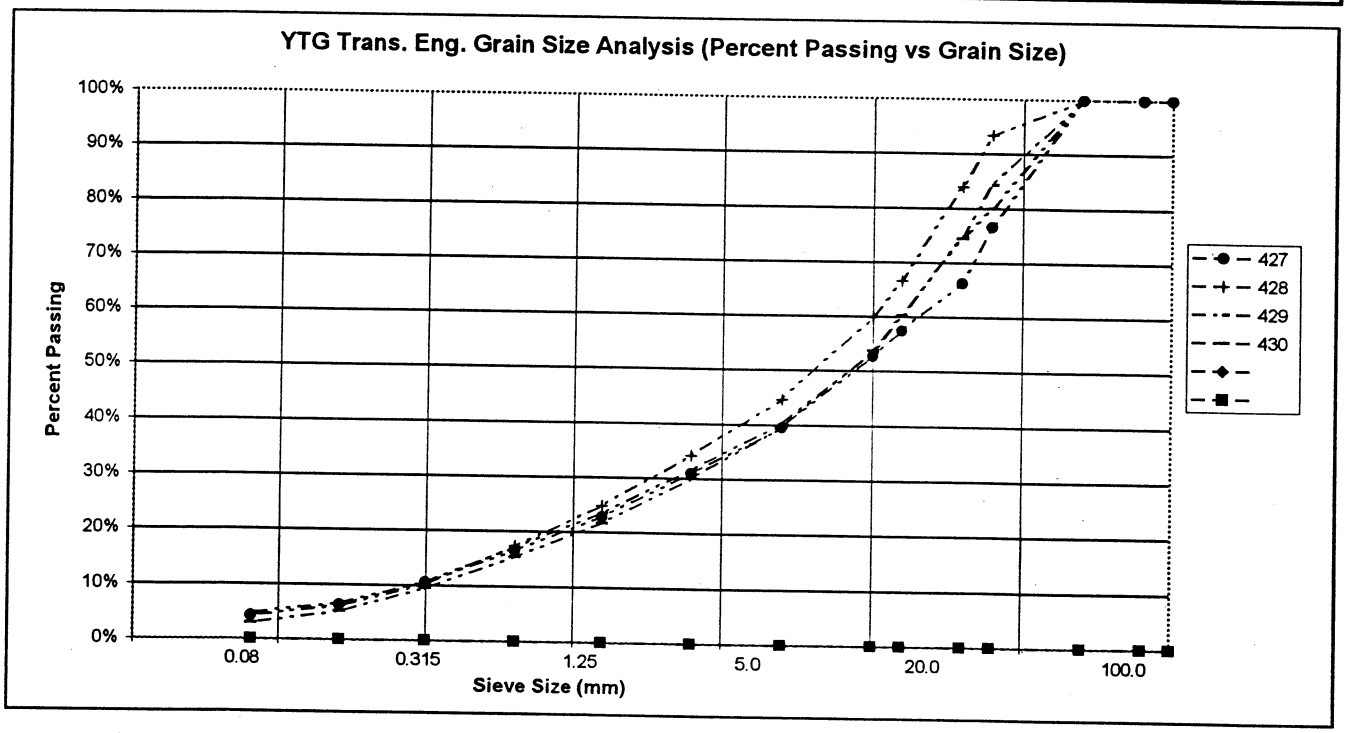


PROJECT NUMBER: 552-202101-0361-1
CLIENT: Engineering Capital
PROJECT NAME: Shakwak Project Granular Investigation
PROJECT LOCATION: KM 1719.5 A/H RHS
DRILL UNIT: D-4 Cat 6" Auger
HOLE LOCATION: See Plan
LOGGED BY: GC

HOLE No.: 656-2773

DATE COMP: Oct 17/03

FIELD NO:	427	428	429	430		
LAB NO:	458	459	460	461		
DEPTH:	0.5-1.0	1.5-2.0	2.5-3.0	4.0-5.0		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	77%	93%	84%	80%		
20.0	66%	84%	75%	74%		
12.5	57%	67%	60%	60%		
10.0	53%	60%	53%	54%		
5.0	40%	45%	40%	40%		
2.5	31%	34%	32%	30%		
1.25	23%	25%	24%	22%		
0.630	17%	17%	17%	15%		
0.315	11%	10%	11%	9%		
0.160	6%	6%	7%	5%		
0.080	4%	4%	5%	3%		
M.C.(%):	3%	3%	3%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	60	55	60	60		
% SAND:	35	40	35	37		
% FINES:	4	4	5	3		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)		



Km 1719.5 RHS Alaska Highway #1
Pit Ident. 115 G-23 (Congdon Campground)

December 2003

Test Pit Logs

SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2774
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE: RETURN | S.P.T. | AUGER | BULK | TUBE | CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	ORGANIC SILT				
1.0	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -damp -easy digging		1	SW-SM	
2.0			2	SW-SM	
2.5	ORGANIC				
3.0	POORLY GRADED GRAVEL WITH SAND (GP) -damp to moist				
4.0			3	GP	
5.0					
5.7	SANDY SILT (ML) -moist -easy digging		4	ML	
6.0	END HOLE @ 6.5m				
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID 20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

DEPTH (m) 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0

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Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/04
Fig. No:	Page 1 of 1

04/01/06 02:11PM

SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2775
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) –grey –damp –maximum 100mm material –easy digging		5	▲	GP		◆ ■	0.0
1.0								1.0
2.0	SILTY GRAVEL WITH SAND (GM) –brown –damp		6	▲	GM		◆ ◆ ■	2.0
3.0	VOLCANIC ASH							3.0
4.0	GRAVEL –maximum 50mm material –brown –damp							4.0
5.0	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) –brown –damp		7	▲	SW-SM		■ ◆	5.0
6.0	END HOLE @ 6.0m							6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 6.0 m
REVIEWED BY:	COMPLETE: 03/12/04
Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2776
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

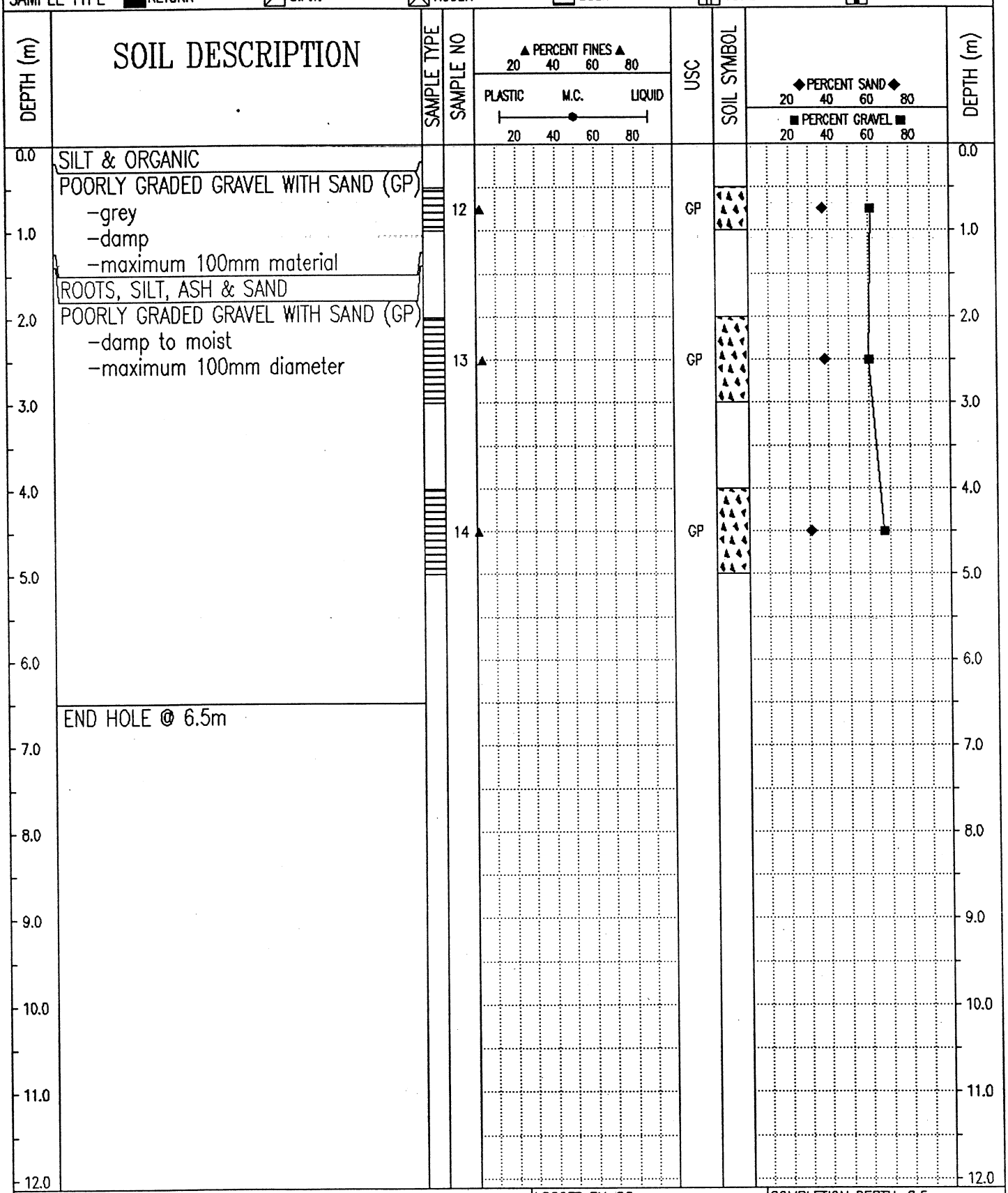
DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) –grey –damp –maximum 100mm material		8 ▲		GP		◆ ■	
1.0								1.0
2.0	SANDY SILT WITH ASH –moist							2.0
	WELL-GRADED GRAVEL WITH SILT & SAND TO POORLY GRADED GRAVEL WITH SAND (GW-GM)-(GP) –brown –moist –maximum 50mm material		9 ▲		GW-GM		◆ ■	
3.0								3.0
4.0			10 ▲		GP		◆ ■	4.0
5.0								5.0
6.0			11 ▲		GP		◆ ■	6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/04
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2777
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

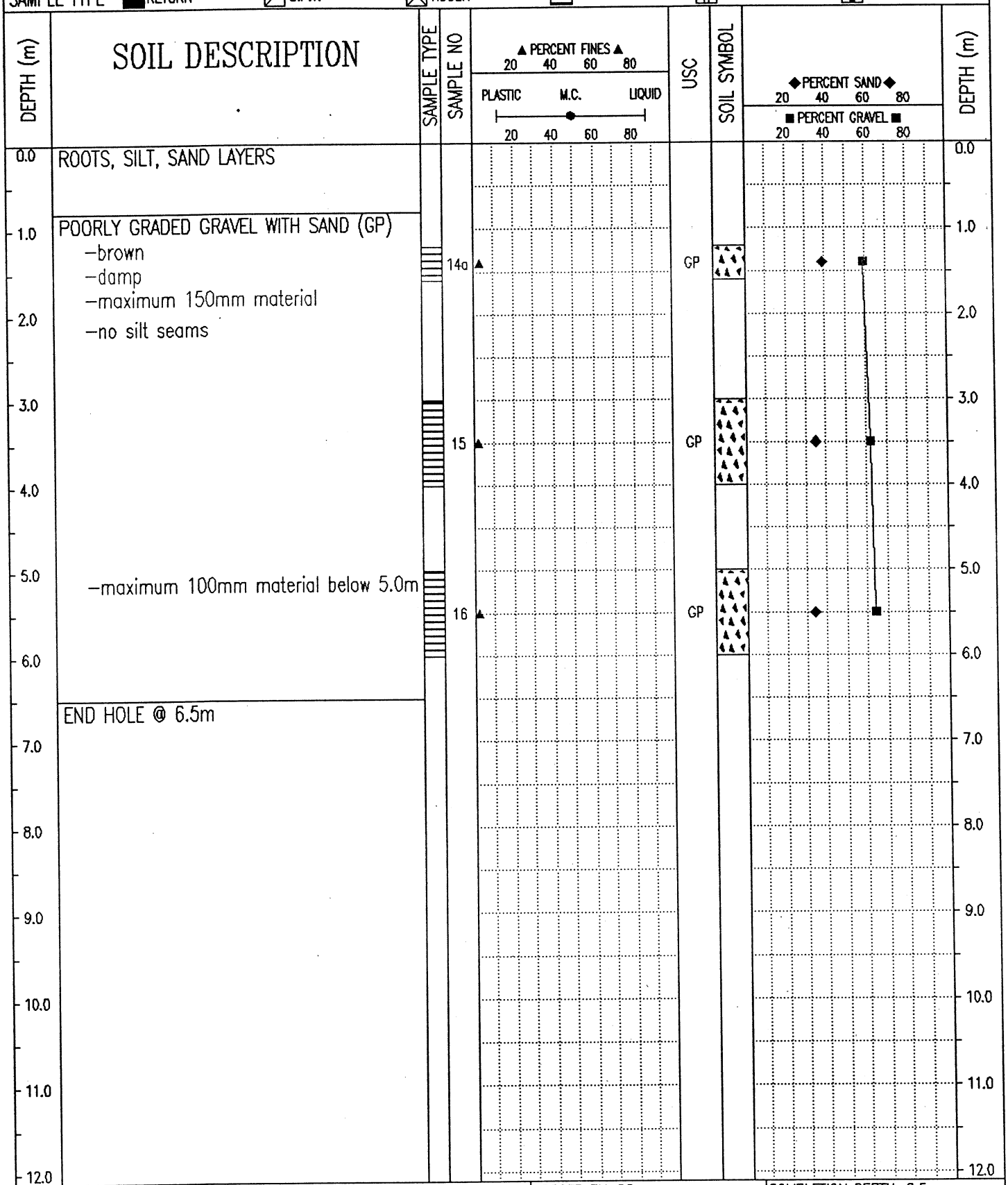


Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/04
	Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2778
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

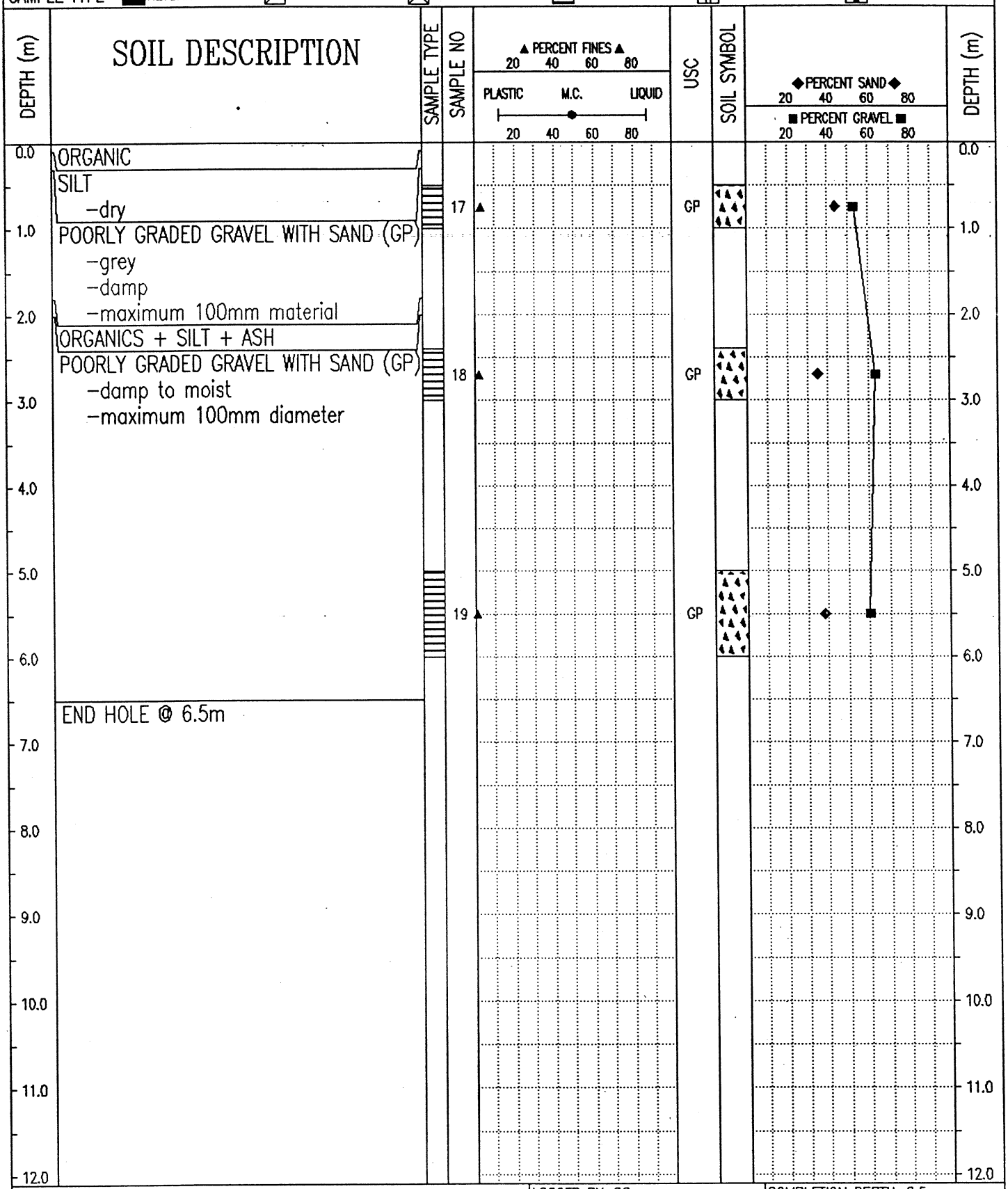


Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/04
	Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2779
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/04
	Fig. No:	Page 1 of 1

04/01/12 02:57PM

SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2780
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT							
	-dry							
1.0	WELL-GRADED GRAVEL WITH SAND (GW)		20	▲	GW		◆ ■	1.0
	-brown							
	-damp							
2.0	-no silt seam							2.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
	-brown							
	-damp							
3.0	-maximum 150mm material							3.0
			21	▲	GP		◆	
4.0								4.0
5.0								5.0
			22	▲	GP		◆ ■	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon
Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/05
Fig. No:	Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2781
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
	-brown							
1.0	-damp		23		GP			1.0
	-maximum 100mm material							
	-no silt seams							
2.0								2.0
3.0								3.0
			24		GP			
4.0								4.0
5.0								5.0
			25		GP			
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/05
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2782
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⧄ S.P.T. ⊠ AUGER ☰ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
	–brown							
1.0	–damp		26	▲	GP		◆ ■	1.0
	–maximum 150mm material							
2.0	–maximum 100mm material below 2.0m							2.0
3.0			27	▲	GP		◆ ■	3.0
4.0								4.0
5.0	–damp to moist below 5.0m		28	▲	GP		◆ ■	5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/05
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2783
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▭ BULK ▯ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	SILTY SAND WITH GRAVEL (SM)							
	-grey							
1.0	-damp		29	▲	SM		■ ◆	1.0
	-maximum 50mm material							
	SILTY SAND							
2.0	ASH & ORGANIC							2.0
	SANDY SILT TO SILTY SAND (ML)-(SM)							
	-brown							
3.0	-damp to moist							3.0
			30	▲	ML		■ ◆	
4.0								4.0
5.0								5.0
			31	▲	SM		■ ◆	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/05
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658–2784
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552–202101–0361
KOMATSU PC–400–LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⧄ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	ORGANIC & SILT				
	WELL–GRADED SAND WITH GRAVEL (SW) –grey –damp –maximum 50mm material		32	SW	
1.0	SAND				
2.0	SANDY GRAVEL –maximum 50mm material				
	SAND –brown –damp				
3.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP–GM) –maximum 50mm material		33	GP–GM	
4.0	SAND –small thin (0.05m) ash @ 4.0m				
5.0	GRAVEL –maximum 50mm material				
	SILTY SAND WITH GRAVEL (SM)		34	SM	
6.0	GRAVEL –maximum 50mm material				
	END HOLE @ 6.5m –from 1.5 to 6.5m alternate layers of sand then gravel app. 0.5m thick				
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID

20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

DEPTH (m) 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2795
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▥ TUBE ▯ CORE

SOIL DESCRIPTION

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -grey -damp -maximum 75mm material		35	▲	GP-GM		◆ ■	
1.0								1.0
2.0	SAND / SILT							2.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -alternate layers of sand then gravel -maximum 50mm material -sample 36 is a mixture of layers		36	▲	SW-SM		◆ ■	
3.0								3.0
4.0	SANDY GRAVEL (layer) -maximum 50mm material							4.0
5.0	SILTY SAND (SM) -brown -damp to moist -alternate layers of gravel and sand -sample 37 is a mixture of layers		37	▲	SM		◆ ■	5.0
6.0								6.0
	SILTY SAND -brown -damp to moist							
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/05
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2796
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -grey -damp -maximum 100mm material		38	GP-GM	
1.0					
2.0			39	GP-GM	
3.0	SILTY SAND WITH GRAVEL (SM) -alternate layers (0.3-0.5m thick) of gravel and silty sand -maximum 50mm material -sample 40 is a mixture of layers		40	SM	
4.0					
5.0	SANDY SILT -moist, cold				
6.0					
7.0	END HOLE @ 6.5m				
8.0					
9.0					
10.0					
11.0					
12.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID 20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

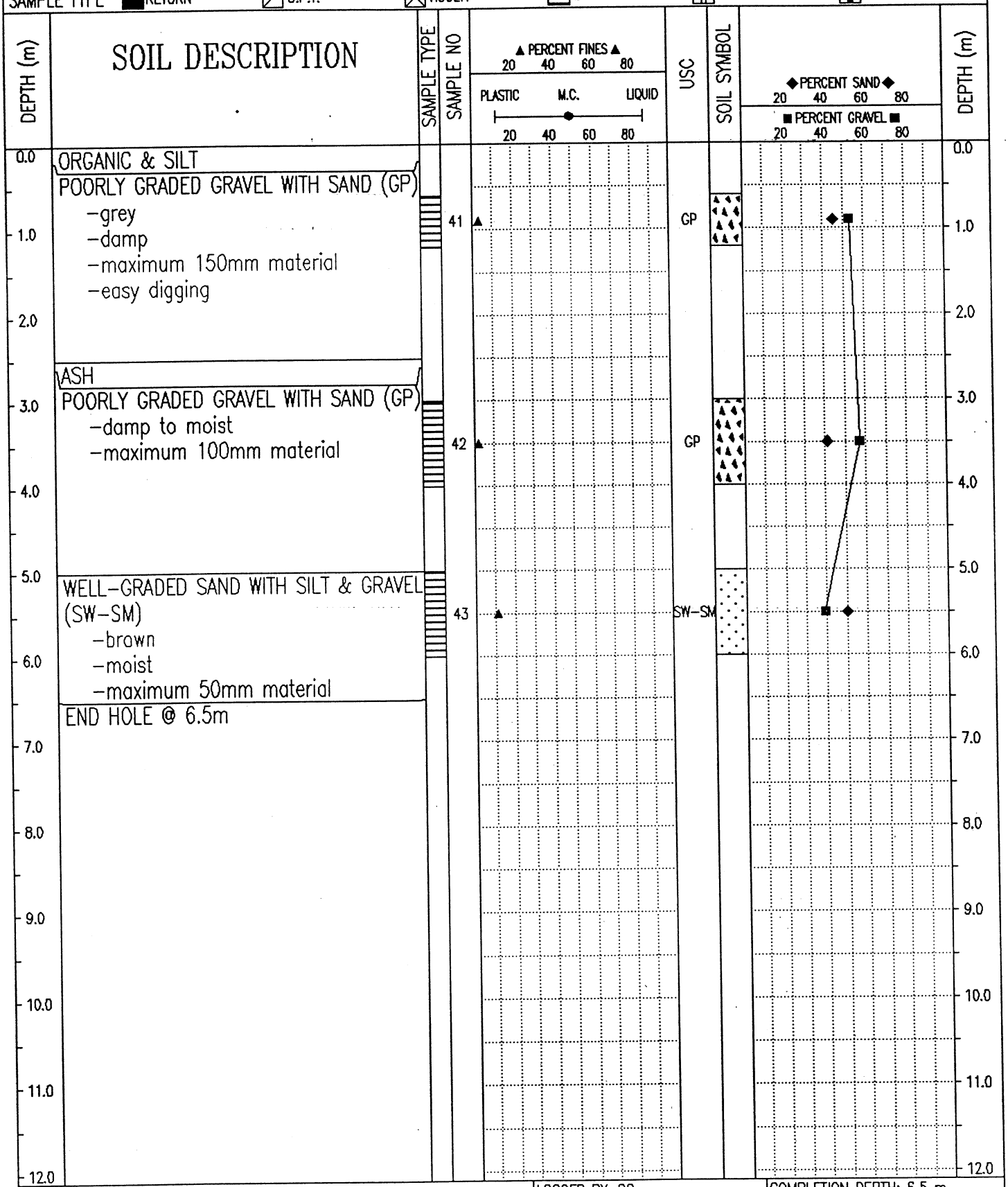
DEPTH (m)

Government of Yukon Transportation Engineering	LOGGED BY: GC REVIEWED BY: Fig. No:	COMPLETION DEPTH: 6.5 m COMPLETE: 03/12/05 Page 1 of 1

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 658-2797
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0361
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659–2798
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552–202101–0362
KOMATSU PC–400–LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⧄ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) –grey –damp –maximum 100mm material		44	▲	GP		◆ ■	
1.0								1.0
2.0	VOLCANIC ASH & ROOTS							2.0
	POORLY GRADED GRAVEL WITH SILT & SAND (GP–GM) –brown –damp –maximum 100mm material		45	▲	GP–GM		◆ ■	
3.0								3.0
4.0								4.0
5.0								5.0
	SILTY SAND (SM) –brown		46	▲	SM		◆	
6.0	END HOLE @ 6.5m							6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2799
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & ASH							0.0
	WELL-GRADED SAND WITH GRAVEL (SW)							
	-grey							
1.0	-damp		47	▲	SW		◆	1.0
	-maximum 100mm material							
	ASH							
2.0	POORLY GRADED GRAVEL WITH SAND (GP)							2.0
	-brown							
	-damp							
3.0	-maximum 75mm material							3.0
			48	▲	GP		◆ ■	
4.0								4.0
5.0								5.0
	SILTY SAND WITH GRAVEL (SM)							
	-brown							
6.0	-damp		49	▲	SM		◆ ■	6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2800
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT -dry							
1.0	WELL-GRADED SAND WITH GRAVEL TO SILTY SAND WITH GRAVEL (SW)-(SM) -brown -damp -maximum 50mm material							1.0
2.0			50 ▲		SW		◆ ■	2.0
3.0								3.0
4.0			51 ▲		SM		◆ ■	4.0
5.0	SILT (ML) -damp to moist -layer of organics							5.0
6.0			52 ▲		ML		◆	6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2801
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
1.0	-brown		53 ▲		GP		◆ ■	1.0
	-damp							
	-maximum 100mm material							
2.0	ASH SEAM							2.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
3.0	-brown		54 ▲		GP		◆ ■	3.0
	-damp							
	-maximum 100mm material							
4.0								4.0
5.0								5.0
			55 ▲		GP		◆ ■	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2802
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) –grey –damp –maximum 75mm material		56	▲	GP		◆ ■	
1.0								1.0
2.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) –brown –damp –layered –maximum 50mm material							2.0
3.0			57	▲	GP-GM		◆ ■	3.0
4.0								4.0
5.0								5.0
	SANDY SILT (ML) –brown –moist		58	▲	ML		◆	
6.0	END HOLE @ 6.5m							6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2803
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▥ TUBE ▮ CORE

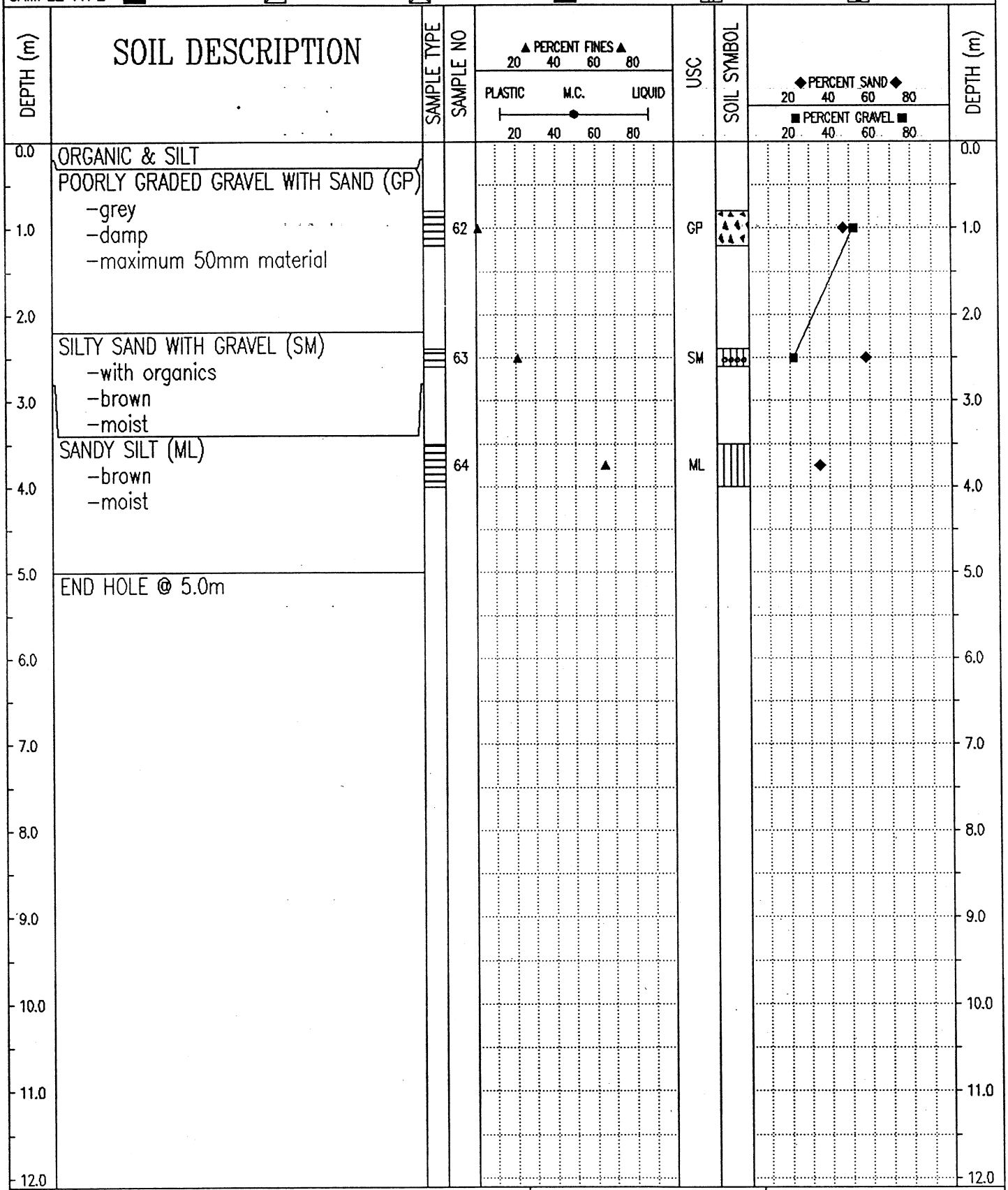
DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)							
1.0	-grey -damp -maximum 50mm material		59	▲	SW-SM		■ ◆	1.0
2.0	ROOTS							2.0
	SILTY SAND (SM)							
3.0	-alternate layers of sandy silt and silty sand -sample 60 mixture of layers		60	▲	SM		◆	3.0
4.0								4.0
5.0	SANDY SILT (ML)							5.0
	-brown -moist		61	▲	ML		■ ◆	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
	REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2804
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▯ TUBE ▮ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2805
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	SILTY SAND (SM)							
	-maximum 50mm material		65	▲	SM		■ ◆	
1.0	ROOTS & SILT							1.0
	-damp to dry							
	Seam of 50mm material							
2.0	SILT							2.0
	-brown							
	-damp							
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2806
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▯ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP)							
	-grey							
1.0	-damp		66 ▲		GP			1.0
	-maximum 50mm material							
	SILTY SAND (SM)							
	-brown							
2.0	-moist		67 ▲		SM		■ ◆	2.0
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2807
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SANDY SILT WITH GRAVEL (ML)							
	-olive							
1.0	-damp							1.0
			68	▲	ML		■ ◆	
2.0								2.0
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2808
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ◧ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -grey -damp -maximum 50mm material		69 ▲		GP		◆ ■	
1.0								1.0
2.0	SANDY SILT (ML) -with organic -moist		70 ▲		ML		■ ◆	2.0
3.0	SILT -moist							3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2809
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -grey -moist -maximum 75mm material -maximum 150mm material below 1.5m		71	▲	GP		◆ ■	0.0
1.0								1.0
2.0			72	▲	GP		◆ ■	2.0
3.0								3.0
4.0			73	▲	GP		◆ ■	4.0
5.0								5.0
6.0								6.0
6.5	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2810
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▯ TUBE ▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -maximum 100mm material							0.0
1.0			659 ▲		GP		◆ ■	1.0
2.0	SANDY SILT (ML) -brown -moist							2.0
3.0			75 ▲		ML		◆	3.0
4.0	END HOLE @4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/06
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2811
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILTY SAND WITH GRAVEL (SM) -dry -maximum 50mm material		76	▲	SM		■ ◆	
1.0								1.0
	SILTY SAND (SM) -brown -moist							
2.0								2.0
			77	▲	SM		■ ◆	
3.0								3.0
4.0								4.0
5.0								5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2812
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▯ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND TO POORLY GRADED GRAVEL WITH SILT & SAND (GP)-(GP-GM) -brown -damp -maximum 75mm material		78 ▲		GP		◆ ■	
1.0								1.0
2.0								2.0
3.0								3.0
			79 ▲		GP-GM		◆ ■	
4.0	SILT -brown -moist							4.0
5.0								5.0
6.0	END HOLE @ 6.0m							6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.0 m
REVIEWED BY:	COMPLETE: 03/12/07
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2813
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ◧ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	WELL-GRADED SAND WITH GRAVEL TO POORLY GRADED GRAVEL WITH SAND (SW)-(GP)							
1.0	-brown -damp -maximum 75mm material		80 ▲		SW		◆ ■	1.0
2.0								2.0
3.0								3.0
			81 ▲		GP		◆ ■	
4.0	SILT -brown -moist							4.0
5.0	END HOLE @ 5.0m							5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2814
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ◧ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	SILT & ORGANIC				
	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -maximum 50mm material		82	SW	
1.0					
	SANDY SILT -moist				
2.0					
	SILT WITH SAND (ML) -black -moist to wet		83	ML	
3.0					
4.0	END HOLE @ 3.8m				
5.0					
6.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID 20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

DEPTH (m)

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 659-2815
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 150mm material							0.0
1.0			84 ▲		GP		◆ ■	1.0
2.0								2.0
3.0								3.0
4.0			85 ▲		GP		◆ ■	4.0
5.0								5.0
6.0								6.0
6.5	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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REVIEWED BY:	COMPLETE: 03/12/07
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2817
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 100mm material		86	▲	GP		◆ ■	
1.0								1.0
2.0								2.0
3.0			87	▲	GP		◆ ■	3.0
4.0								4.0
5.0	-moist below 5.0m							5.0
			88	▲	GP		◆ ■	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

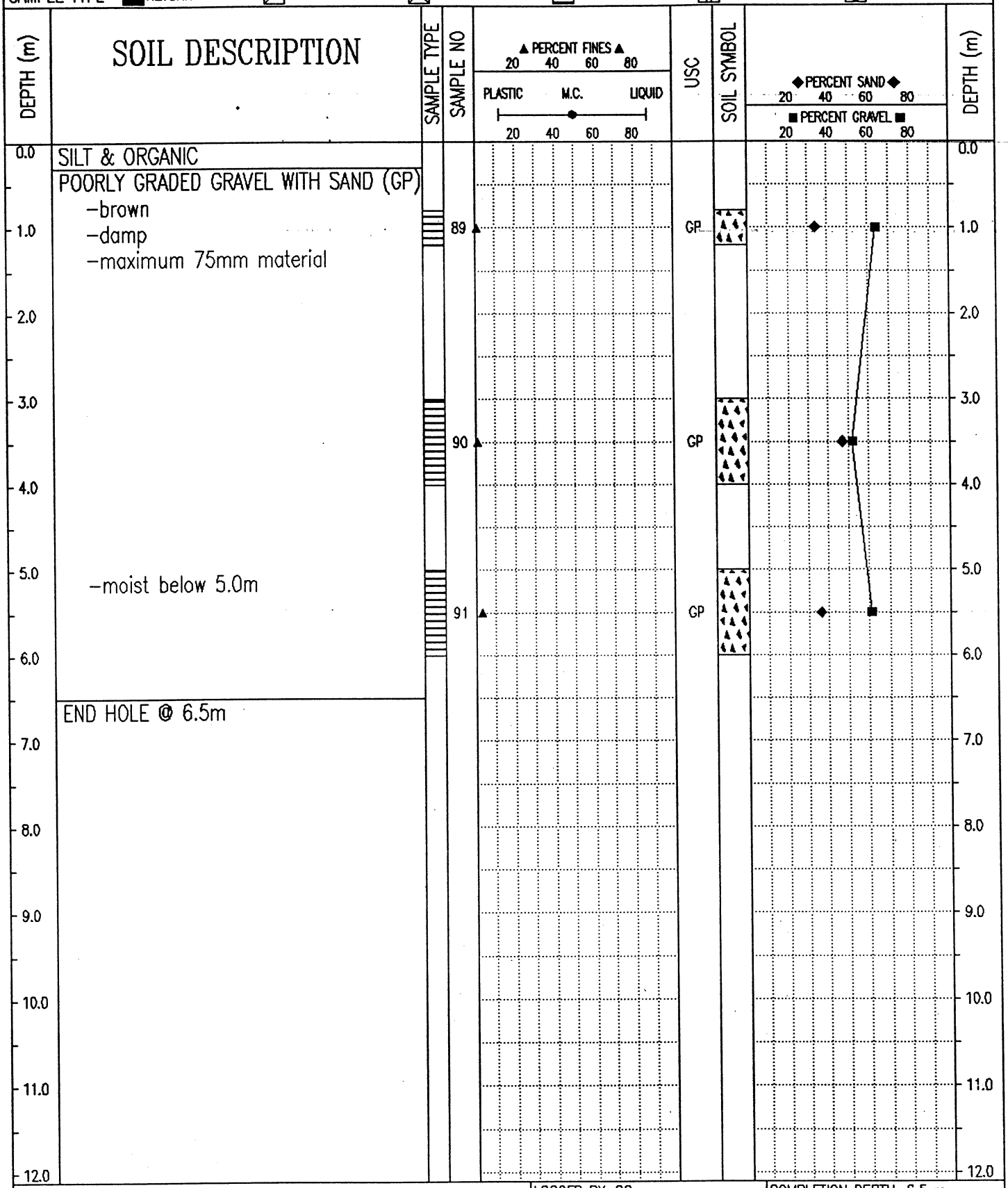
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2818
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▯ TUBE ▮ CORE



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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2819
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -maximum 100mm material		92 ▲		SW		◆ ■	1.0
2.0								2.0
3.0	ROOTS, SILT, ASH & TREE							3.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp to moist -maximum 150mm material		93 ▲		GP		◆ ■	4.0
5.0								5.0
6.0								6.0
	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2820
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⧄ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ◧ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -brown -damp -maximum 100mm material		94	▲	GP-GM		◆	
1.0								1.0
	ROOTS, ASH, & SILT -moist							
	SILTY SAND WITH GRAVEL (SM) -maximum 100mm material							
2.0			95	▲	SM		◆	2.0
3.0	SILT & GRAVEL -alternate layers of silt and gravel							3.0
4.0								4.0
5.0	END HOLE @ 5.0m							5.0
6.0								6.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2821
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -grey -damp -maximum 50mm material		96 ▲		GP		◆ ■	
1.0	ROOTS, SILT & ASH							1.0
2.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -maximum 200mm material							2.0
3.0	-silt contamination in sample 97 from 1.5-2.0m		97 ▲		GP-GM		◆ ■	3.0
4.0								4.0
5.0	-maximum 150mm material below 5.0m		98 ▲		GP-GM		◆ ■	5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2822
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▯ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	SILTY GRAVEL WITH SAND (GM) -brown -damp -maximum 75mm material -thin silt seams, not wet.		99	▲	GM		◆ ■	
1.0								1.0
2.0	SANDY SILT -dry							2.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -brown -damp -maximum 75mm material		100	▲	SW-SM		■ ◆	
3.0								3.0
4.0								4.0
5.0								5.0
	SILT WITH SAND (ML) -orange -moist to wet		101	▲	ML		■ ◆	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

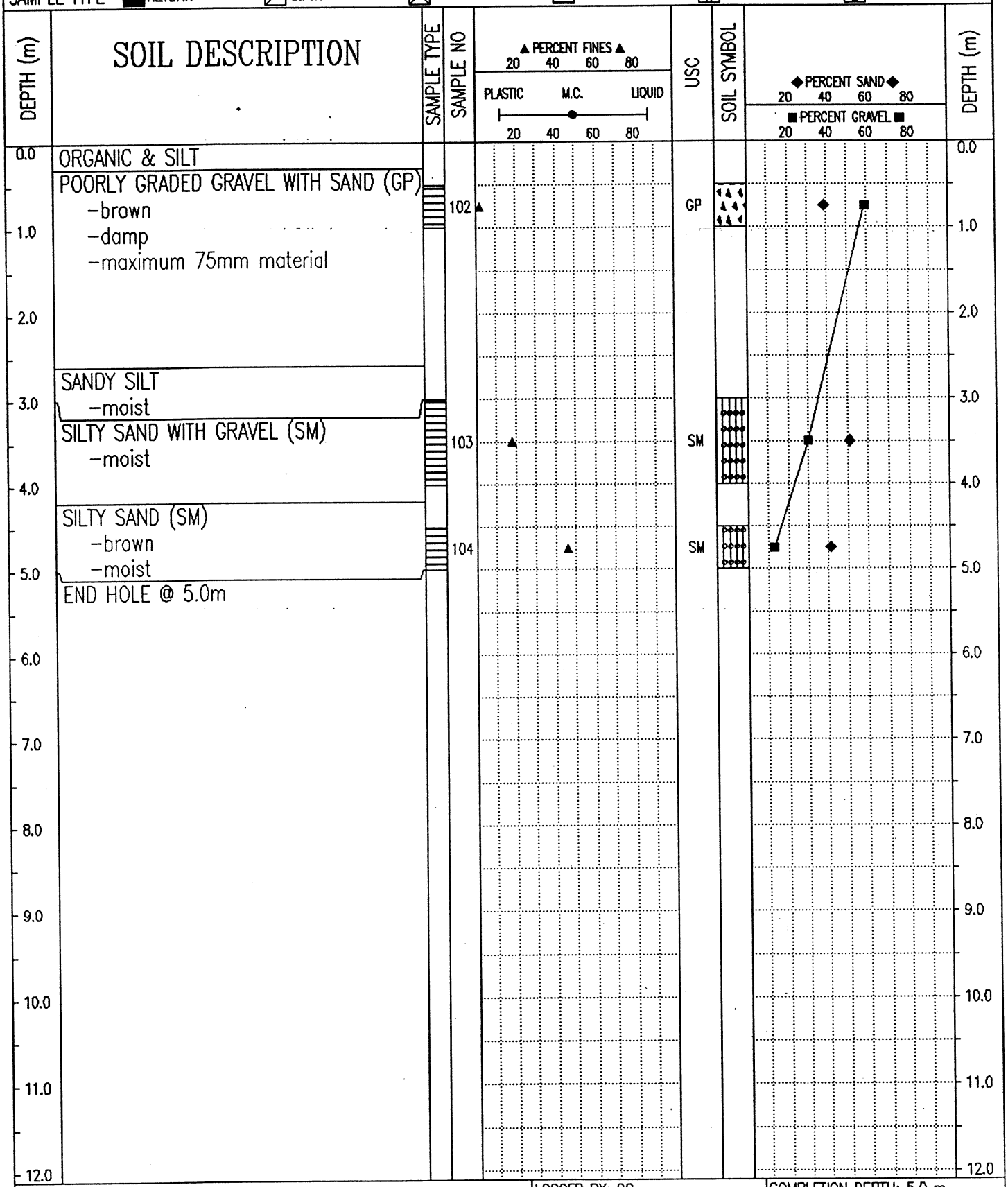
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REVIEWED BY:	COMPLETE: 03/12/08
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2823
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 03/12/08
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04/01/12 10:54AM

SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2824
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID / 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRAVEL WITH SAND (GP) -brown -damp -maximum 50mm material		105 ▲		GP		◆ ■	1.0
2.0	-maximum 100mm material below 2.0m							2.0
3.0			106 ▲		GP		◆ ■	3.0
4.0								4.0
5.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -damp to moist -maximum 100mm maximum		107 ▲		GP-GM		◆ ■	5.0
6.0								6.0
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/08
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2825
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	USC	SOIL SYMBOL
0.0	ORGANIC				
	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -maximum 50mm material		108	GP-GM	
1.0					
	ROOTS & SILT				
	SILTY SAND WITH GRAVEL (SM) -alternate layers of 50mm gravel and sand/silt averaging app. 0.3m in thickness -sample # 109 is combination of layers		109	SM	
2.0					
3.0					
4.0	SILT (ML) -brown -damp -silt & organic		110	ML	
5.0	END HOLE @ 5.0m				
6.0					

▲ PERCENT FINES ▲ 20 40 60 80

PLASTIC M.C. LIQUID 20 40 60 80

◆ PERCENT SAND ◆ 20 40 60 80

■ PERCENT GRAVEL ■ 20 40 60 80

DEPTH (m) 0.0 1.0 2.0 3.0 4.0 5.0 6.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2826
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 75mm material		111 ▲		GP		◆ ■	
1.0	ROOTS & SANDY SILT							1.0
2.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -maximum 50mm material -with odd 0.1m layers of silt from 1.6 to 6.5m		112 ▲		GP-GM		◆ ■	2.0
3.0								3.0
4.0								4.0
5.0	WELL-GRADED SAND WITH GRAVEL (SW) -damp -maximum 25mm material		113 ▲		SW		◆ ■	5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2827
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID / 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 100mm material		114 ▲		GP			
1.0	ROOTS & SANDY SILT -damp							1.0
2.0	SILTY GRAVEL WITH SAND (GM) -alternate layers of sandy silt and gravel -sample # 115 is a mixture of layers		115 ▲		GM			2.0
3.0								3.0
4.0	POORLY GRADED GRAVEL WITH SAND (GP) -clean -damp -maximum 75mm material							4.0
5.0								5.0
			116 ▲		GP			
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2828
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ▩ AUGER ▤ BULK ▥ TUBE ▦ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		117	▲	GP-GM		◆ ■	
1.0	-seams average 0.2m -maximum 50mm material							1.0
	ROOTS							
	SILTY SAND WITH GRAVEL (SM)							
2.0	-with silt seams -damp to moist		118	▲	SM		◆ ◆	2.0
3.0	-maximum 75mm material -sample #118 is a blend of 2 to 3m							3.0
4.0	SILTY SAND WITH GRAVEL (SM)							4.0
	-grey -moist to wet		119	▲	SM		■ ◆	
5.0	END HOLE @ 5.0m							5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2829
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -brown -damp -maximum 150mm material		120	▲	GP-GM		◆ ■	
1.0								1.0
2.0	ROOTS & SILT -damp							2.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 75mm material		121	▲	GP		◆ ■	
3.0								3.0
4.0								4.0
	SILTY SAND (SM) -orange -moist -moist to wet below 5.0m							
5.0								5.0
			122	▲	SM		■ ◆	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

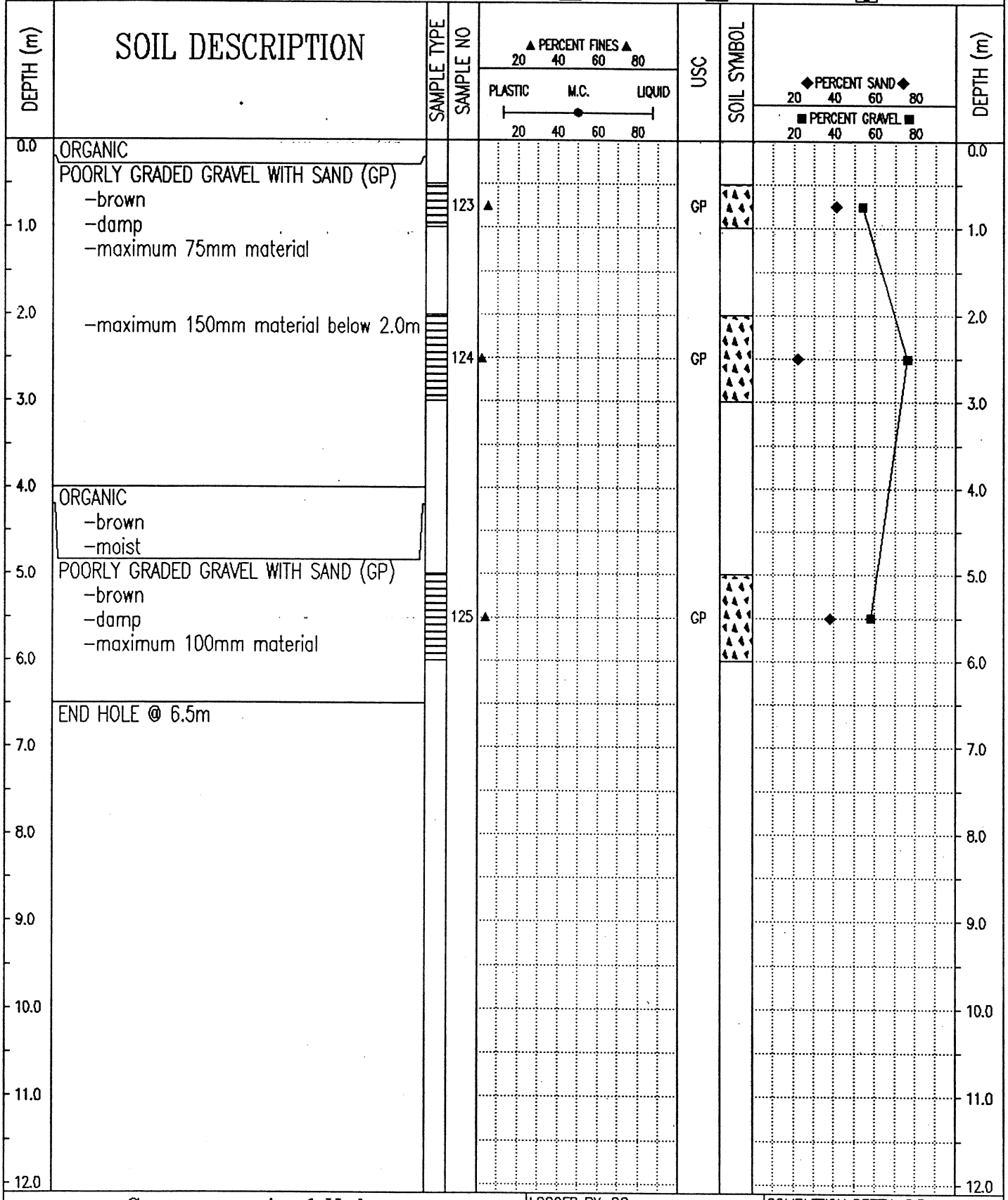
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK GRANULAR INVESTIGATION	TEST PIT NO: 660-2830
ENGINEERING CAPITAL	KM 1719+500 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400-LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▯ CORE



Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2831
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & ORANGE SILT							0.0
	SILT WITH SAND (ML) -grey -moist -marginal moisture, moist to wet 1.5-4.0 -one large 0.5m cobble @ 2.5m		126	▲	ML		■ ◆	
1.0								1.0
2.0								2.0
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2832
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ☰ BULK ▯▯ TUBE ▮▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -brown -damp -maximum 75mm material		127 ▲		SW-SM		◆ ■	
1.0								1.0
2.0	POORLY GRADED GRAVEL WITH SAND (GP) -moist -maximum 100mm material							2.0
3.0	-odd maximum 200mm material below 3.0m							3.0
			128 ▲		GP		◆ ■	
4.0								4.0
	SILT -orange -moist							
5.0	SANDY GRAVEL -brown -moist -maximum 75mm material		129					5.0
6.0	-lost sample # 129							6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2833
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT (ML) -silt with organic & sand seams -grey – orange– brown -damp to moist -no gravel		130	▲	ML		■ ◆	
1.0								1.0
2.0								2.0
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2834
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID / 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 75mm material		131 ▲		GP			
1.0								1.0
2.0								2.0
	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -maximum 50mm material		132 ▲		SW			
3.0								3.0
4.0								4.0
	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) -brown -damp -maximum 50mm material		133 ▲		SW-SM			
5.0								5.0
6.0	SILT -brown -moist to wet							6.0
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2835
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	WELL-GRADED SAND WITH GRAVEL (SW) -with roots and silt -damp -maximum 50mm material		134 ▲		SW		◆ ■	1.0
2.0								2.0
	SILTY SAND WITH GRAVEL (SM) -brown -damp		135 ▲		SM		◆ ■	3.0
4.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp		136 ▲		GP		◆ ■	4.0
5.0								5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2836
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND TO POORLY GRADED GRAVEL WITH SILT & SAND TO POORLY GRADED GRAVEL WITH SAND (GP)-(GP-GM)-(GP) -brown -damp -maximum 50mm material		137 ▲		GP			
1.0								1.0
2.0								2.0
3.0								3.0
			138 ▲		GP-GM			
4.0								4.0
5.0								5.0
			139 ▲		GP			
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2837
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	SILTY SAND WITH GRAVEL (SM) -brown -damp -maximum 75mm material		140 ▲		SM			
1.0								1.0
	SILT -brown -damp to moist							
2.0								2.0
	POORLY GRADED GRAVEL WITH SAND (GP) -maximum 75mm material							
3.0								3.0
			141 ▲		GP			
4.0								4.0
5.0	-damp to moist below 5.0m -maximum 50mm material below 5.0m		142 ▲		GP			5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2838
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) –brown –damp –maximum 75mm material		140 ▲		GP		◆ ■	
1.0								1.0
2.0	SILT & ROOTS –moist							2.0
	POORLY GRADED GRAVEL WITH SILT & SAND TO POORLY GRADED GRAVEL WITH SAND (GP-GM)-(GP) –brown –damp –maximum 150mm material		141 ▲		GP-GM		◆ ■	
3.0								3.0
4.0								4.0
5.0								5.0
			142 ▲		GP		◆ ■	
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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Transportation Engineering

LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/11
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2839
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ☒ S.P.T. ☒ AUGER ☰ BULK ▥ TUBE ◧ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 50mm material		146 ▲		GP			
1.0								1.0
2.0								2.0
	ROOTS & SILT							
3.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 150mm material -sample # 147 could be contaminated with silt from 2.4 to 2.9 -maximum 100mm material below 4.0m		147 ▲		GP			3.0
4.0								4.0
5.0								5.0
			148 ▲		GP			
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2840
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	SILT & ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) –maximum 100mm material		149 ▲		GP		◆ ■	1.0
2.0	ROOTS							2.0
	POORLY GRADED GRAVEL WITH SAND (GP) –moist –maximum 50mm material –50mm seams of damp silt mixed with sandy gravel seams below 2.1m		150 ▲		GP		◆ ■	3.0
4.0	–damp to moist below 4.0m –maximum 150mm material below 4.0m							4.0
5.0			151 ▲		GP		◆ ■	5.0
6.0	END HOLE @ 6.0m							6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.0 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2841
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ▨ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -brown -maximum 125mm material		152	▲	GP		◆	
1.0								1.0
	ROOTS & ORANGE SILT -moist		153	▲	ML		◆	
2.0	SILT WITH SAND (ML) -olive -moist to wet -grey below 2.4m							2.0
3.0			154	▲	ML		■ ◆	3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2842
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	PERCENT FINES / PLASTIC M.C. LIQUID	USC	SOIL SYMBOL	PERCENT SAND / PERCENT GRAVEL	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	POORLY GRADED GRAVEL WITH SAND (GP) -grey -damp -maximum 100mm material		155		GP			
1.0								1.0
2.0								2.0
3.0	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM) -brown -damp to moist -maximum 125mm material -seams of silty sand mixed with gravel		156		GP-GM			3.0
4.0								4.0
5.0			157		GP-GM			5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2843
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT							0.0
	SILTY GRAVEL WITH SAND (GP) -maximum 100mm material		158 ▲		GP			1.0
2.0								2.0
	SILT & ROOTS -moist							
3.0	POORLY GRADED GRAVEL WITH SAND TO POORLY GRADED GRAVEL WITH SILT & SAND (GP)-(GP-GM) -moist -maximum 150mm material		159 ▲		GP		◆	3.0
4.0								4.0
5.0								5.0
			160 ▲		GP-GM		◆	
6.0	ORGANIC & SILT -orange / brown -moist							6.0
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2844
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	WELL-GRADED SAND WITH GRAVEL (SW) -brown -damp -maximum 150mm material		161 ▲		SW			
1.0							◆	1.0
2.0								2.0
3.0	POORLY GRADED GRAVEL WITH SAND (GP) -damp -maximum 75mm material -some 0.4m cobbles		162 ▲		GP		◆	3.0
4.0	SANDY SILT (SM) -moist		163	▲	SM		◆ ■	4.0
5.0								5.0
6.0								6.0
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 661-2845
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID / 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	POORLY GRADED GRAVEL WITH SAND (GP)		164	▲	GP		◆ ■	
1.0	-brown -damp -maximum 150mm material							1.0
	SILT & ROOTS							
2.0	GRAVEL -maximum 50mm material							2.0
	WOOD / ORGANICS -orange							
3.0	SANDY SILT (ML) -moist		165	▲	ML		◆ ■	3.0
4.0								4.0
5.0	END HOLE @ 5.0m							5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 03/12/12
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2846
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▯ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT –brown –dry							
1.0	POORLY GRADED GRAVEL WITH SILT & SAND TO POORLY GRADED GRAVEL WITH SAND (GP-GM)-(GP) –brown –damp –maximum 150mm material –sample 166 contaminated by silt above		166 ▲		GP-GM		◆ ■	1.0
2.0								2.0
3.0			167 ▲		GP		◆ ■	3.0
4.0								4.0
5.0			168 ▲		GP		◆ ■	5.0
6.0								6.0
	END HOLE @ 6.5m Note: Still in gravel @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/13
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2847
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▥ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SILT –brown –damp							0.0
1.0	SILTY GRAVEL WITH SAND (GM) –brown –damp –maximum 100mm material		169 ▲		GM		◆ ■	1.0
2.0	SILT SEAM							2.0
3.0	POORLY GRADED GRAVEL WITH SILT & SAND TO WELL-GRADED SAND WITH GRAVEL (GP-GM)-(SW) –brown –damp –maximum 10mm material		170 ▲		GP-GM		◆ ■	3.0
4.0								4.0
5.0								5.0
6.0			171 ▲		SW		◆ ■	6.0
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
REVIEWED BY:	COMPLETE: 03/12/13
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2848
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆PERCENT SAND◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC & SANDY SILT –brown –damp							0.0
1.0	WELL-GRADED SAND WITH SILT AND GRAVEL (SW-SM) –brown –damp		172	▲	SW-SM		◆ ■	1.0
2.0								2.0
3.0	–mostly sand with 25mm gravel seams below 3.0m		173	▲	SW-SM		◆ ■	3.0
4.0								4.0
5.0								5.0
6.0	SILT (ML) –moist to wet		174	▲	ML		◆	6.0
7.0	END HOLE @ 6.5m							7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2849
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANICS							0.0
	POORLY GRADED GRAVEL WITH SILT & SAND TO POORLY GRADED GRAVEL WITH SAND							
1.0	(GP-GM)-(GP)							1.0
	-brown							
	-damp							
	-maximum 100mm material below 1.5m							
2.0			175 ▲		GP-GM		◆ ■	2.0
3.0	-maximum 150mm material below 3.0m							3.0
4.0								4.0
			176 ▲		GP-GM		◆ ■	
5.0								5.0
6.0								6.0
			177 ▲		GP		◆ ■	
	END HOLE @ 6.5m							
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 6.5 m
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2850
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILTY SAND -olive -damp -orange 0.4m -0.6m							
1.0	SANDY SILT (ML) -grey / brown -damp							1.0
2.0								2.0
			178	▲	ML		■ ◆	
3.0								3.0
4.0								4.0
	END HOLE @ 4.5m							
5.0								5.0
6.0								6.0

Government of Yukon Transportation Engineering	LOGGED BY: GC	COMPLETION DEPTH: 4.5 m
	REVIEWED BY:	COMPLETE: 03/12/14
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2851
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT (ML)							
	-brown							
1.0	-damp							1.0
2.0								2.0
			179	▲	ML		◆	
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/14
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SUBSURFACE EXPLORATION & TESTING REPORT	SHAKWAK PROJECT	TEST PIT NO: 662-2852
ENGINEERING CAPITAL	KM 1719 A/H RHS	Project No: 552-202101-0362
KOMATSU PC-400 LC	LOCATION: SEE PLAN & GPS	ELEVATION: 0.00 (m)

SAMPLE TYPE ■ RETURN ⊘ S.P.T. ⊠ AUGER ▤ BULK ▥ TUBE ▮ CORE

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80 / PLASTIC M.C. LIQUID 20 40 60 80	USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80 / ■ PERCENT GRAVEL ■ 20 40 60 80	DEPTH (m)
0.0	ORGANIC							0.0
	SILT WITH SAND (ML)							
	-grey / brown							
1.0	-moist							1.0
			180	▲	ML		■ ◆	
2.0								2.0
3.0								3.0
4.0	END HOLE @ 4.0m							4.0
5.0								5.0
6.0								6.0
7.0								7.0
8.0								8.0
9.0								9.0
10.0								10.0
11.0								11.0
12.0								12.0

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LOGGED BY: GC	COMPLETION DEPTH: 4.0 m
REVIEWED BY:	COMPLETE: 03/12/14
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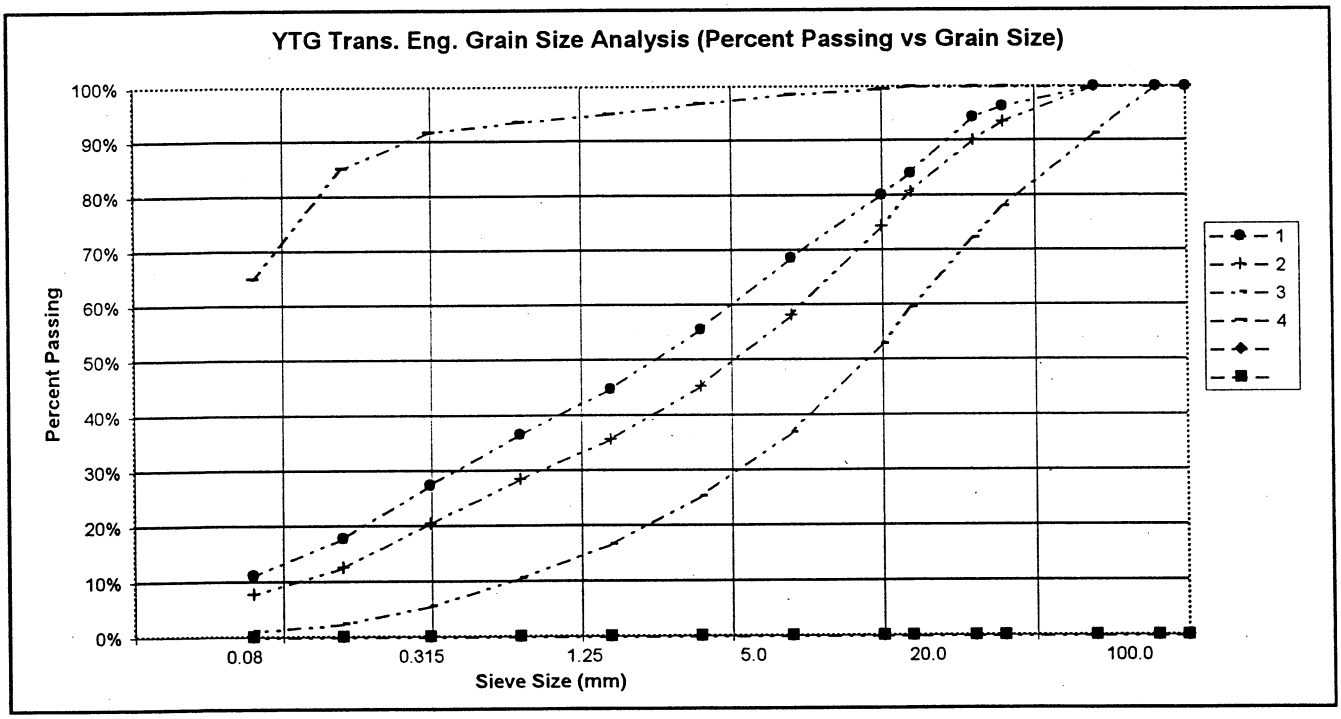
Km 1719.5 RHS Alaska Highway #1
Pit Ident. 115 G-23 (Congdon Campground)

December 2003

Pit Run Sample Results

PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2774
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	1	2	3	4		
LAB NO:	585	586	587	588		
DEPTH:	0.5-1.0	1.6-2.0	4.0-5.0	5.8-6.2		
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	91%	100%		
25.0	96%	93%	78%	100%		
20.0	94%	90%	72%	100%		
12.5	84%	81%	60%	100%		
10.0	80%	74%	53%	100%		
5.0	69%	58%	37%	99%		
2.5	56%	45%	25%	97%		
1.25	45%	36%	17%	95%		
0.630	37%	28%	11%	94%		
0.315	27%	21%	5%	92%		
0.160	18%	12%	2%	85%		
0.080	11%	8%	1%	65%		
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	31	42	63	1		
% SAND:	57	50	36	34		
% FINES:	11	8	1	65		
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	POORLY GRADED GRAVEL WITH SAND (GP)	SANDY SILT (ML)		

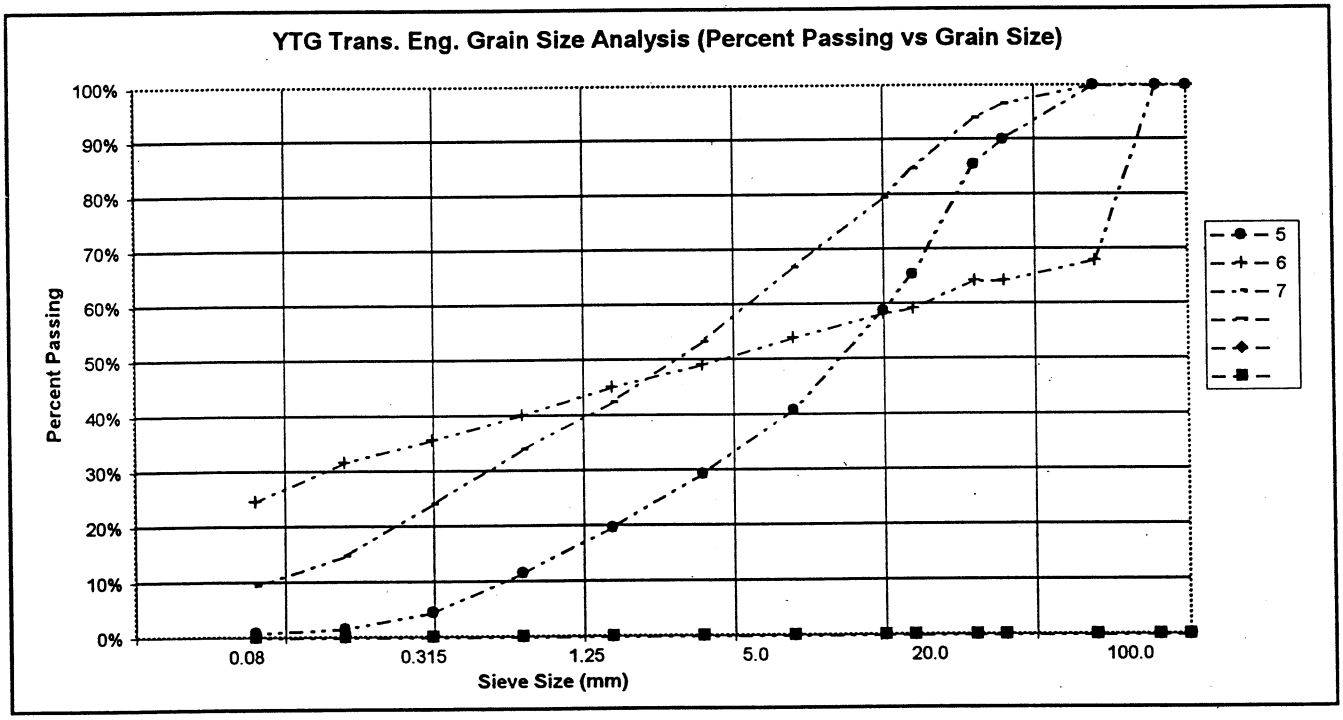


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 658-2775

DATE COMP: 03/12/04

FIELD NO:	5	6	7			
LAB NO:	589	590	591			
DEPTH:	1.0-1.6	2.4-2.9	4.4-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	68%	100%			
25.0	90%	64%	97%			
20.0	86%	64%	94%			
12.5	65%	59%	85%			
10.0	59%	58%	79%			
5.0	41%	54%	67%			
2.5	29%	49%	53%			
1.25	20%	45%	42%			
0.630	12%	40%	34%			
0.315	4%	36%	24%			
0.160	2%	32%	15%			
0.080	1%	25%	9%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	46	33			
% SAND:	40	29	57			
% FINES:	1	25	9			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			

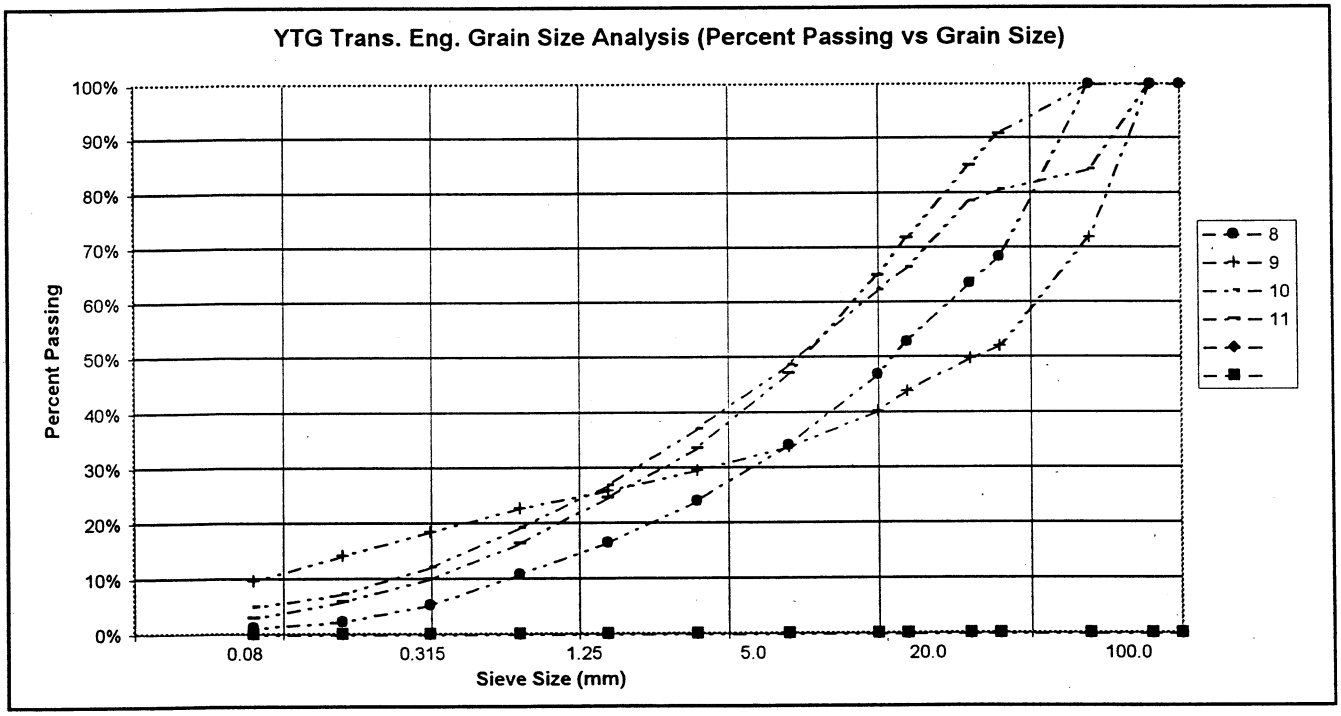


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 658-2776

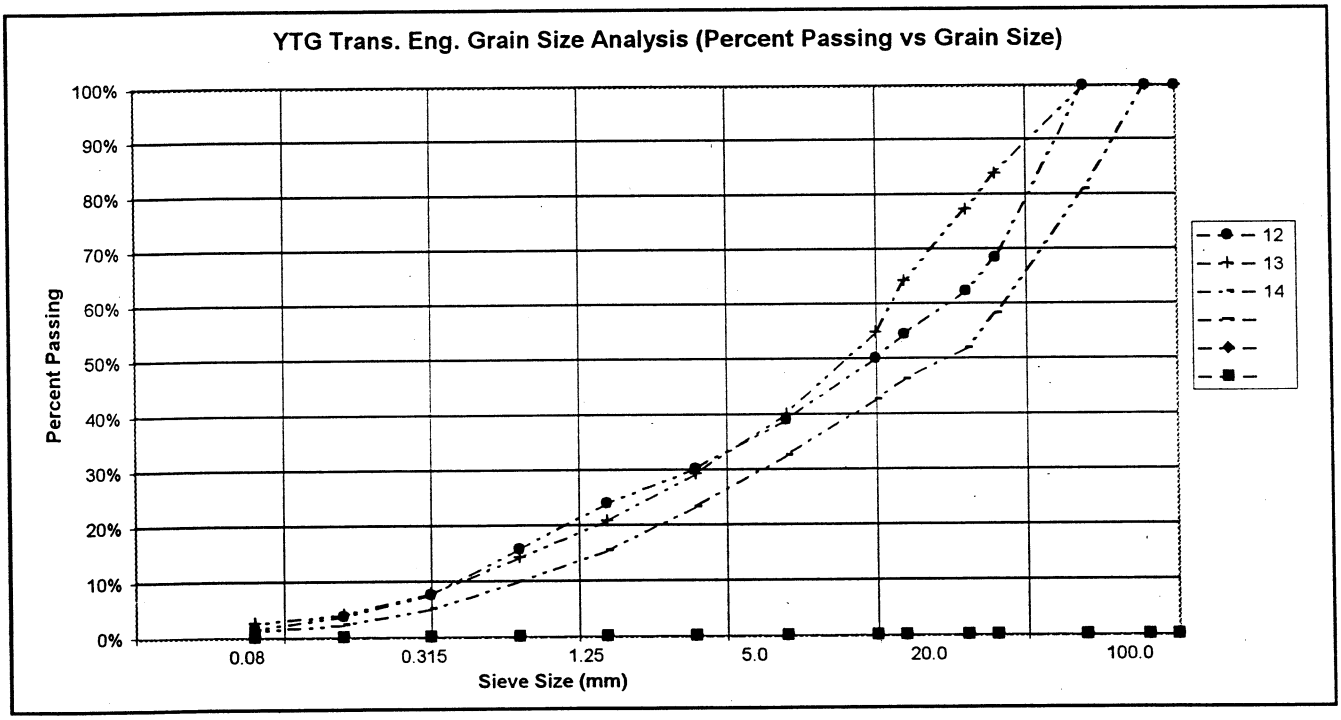
DATE COMP: 03/12/04

FIELD NO:	8	9	10	11		
LAB NO:	592	593	594	595		
DEPTH:	0.5-1.0	2.6-3.2	4.0-4.6	5.6-6.0		
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	72%	84%	100%		
25.0	68%	52%	81%	91%		
20.0	63%	50%	78%	85%		
12.5	53%	44%	66%	72%		
10.0	47%	40%	62%	65%		
5.0	34%	34%	49%	47%		
2.5	24%	30%	37%	34%		
1.25	17%	26%	27%	25%		
0.630	11%	23%	19%	16%		
0.315	5%	19%	12%	10%		
0.160	2%	14%	7%	6%		
0.080	1%	10%	5%	3%		
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	66	66	51	53		
% SAND:	33	24	44	44		
% FINES:	1	10	5	3		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)		



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2777
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	12	13	14			
LAB NO:	596	597	598			
DEPTH:	0.5-1.0	2.0-3.0	4.0-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	81%			
25.0	68%	84%	58%			
20.0	62%	77%	52%			
12.5	55%	64%	46%			
10.0	50%	55%	43%			
5.0	39%	40%	33%			
2.5	30%	29%	23%			
1.25	24%	21%	15%			
0.630	16%	14%	10%			
0.315	8%	8%	5%			
0.160	4%	4%	2%			
0.080	2%	3%	1%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	61	60	67			
% SAND:	37	38	31			
% FINES:	2	3	1			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

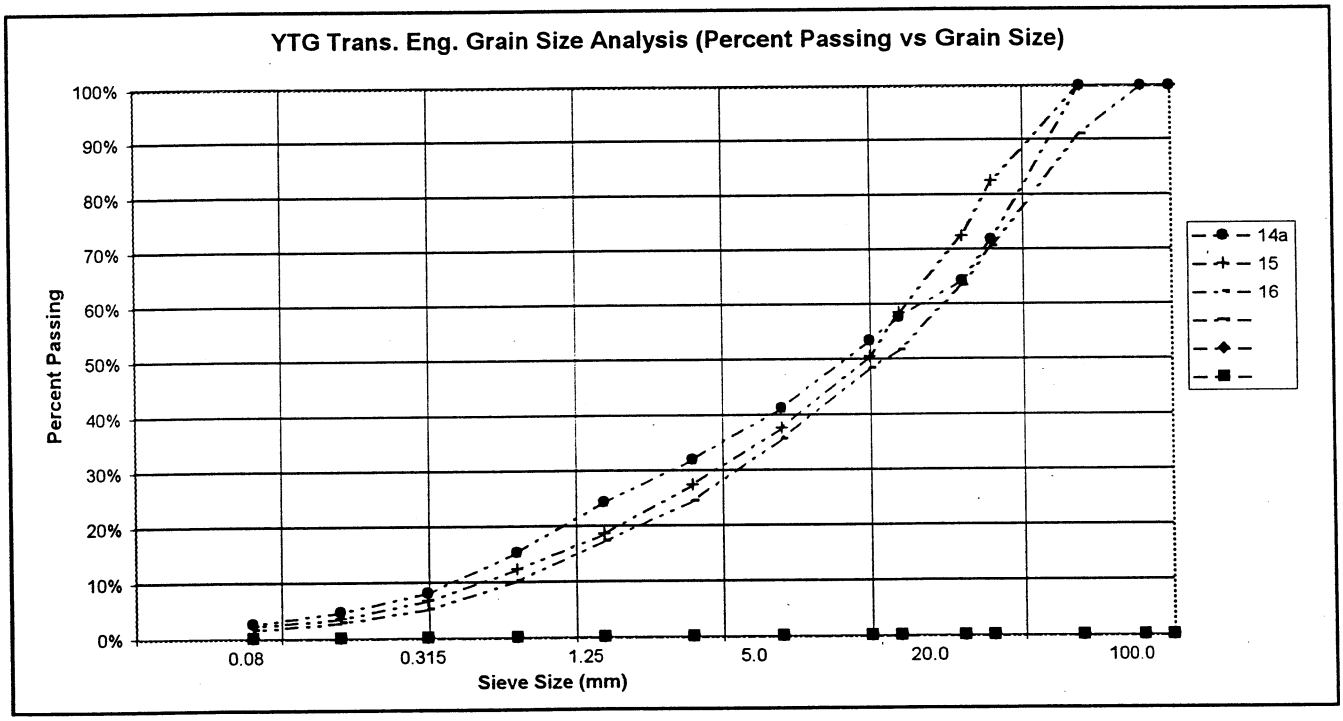


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 658-2778

DATE COMP: 03/12/04

FIELD NO:	14a	15	16			
LAB NO:	599	600	601			
DEPTH:	1.2-1.6	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	91%			
25.0	72%	83%	71%			
20.0	64%	72%	63%			
12.5	58%	58%	52%			
10.0	53%	51%	48%			
5.0	41%	38%	36%			
2.5	32%	27%	25%			
1.25	24%	19%	17%			
0.630	15%	12%	10%			
0.315	8%	7%	5%			
0.160	5%	4%	3%			
0.080	3%	2%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	62	64			
% SAND:	39	35	34			
% FINES:	3	2	2			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

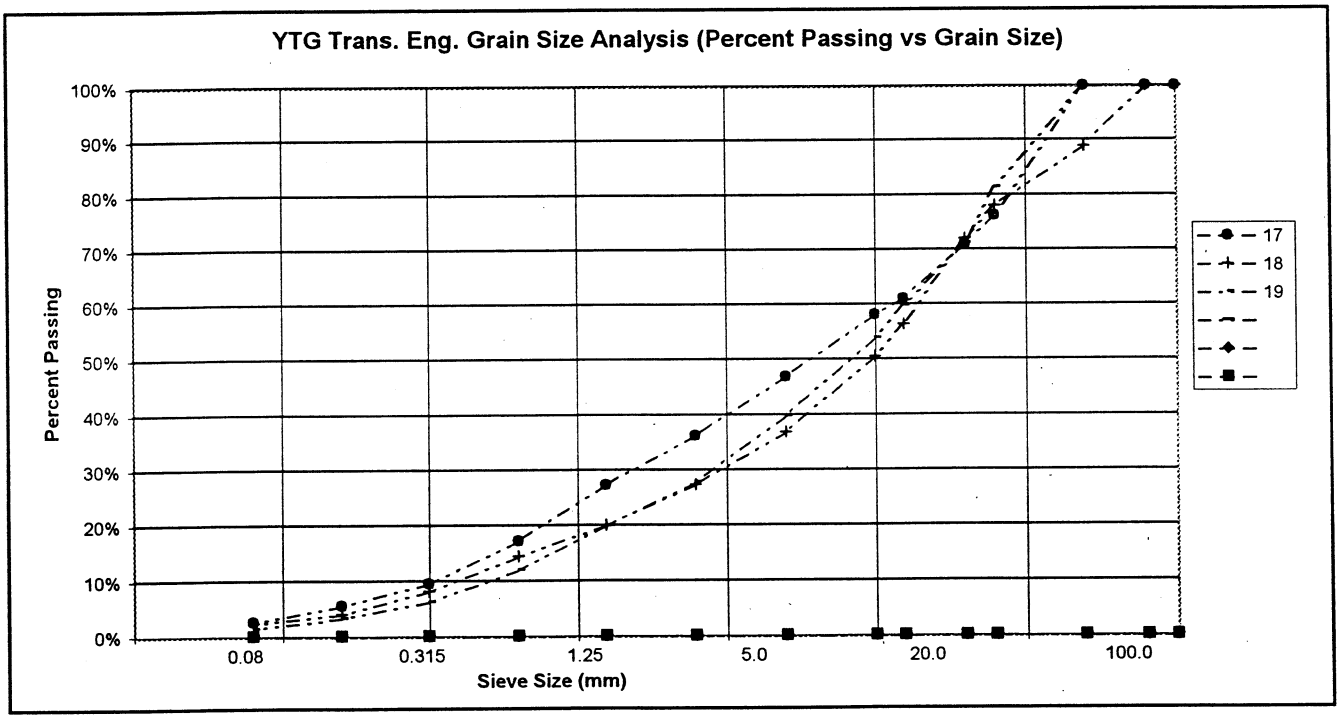


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 658-2779

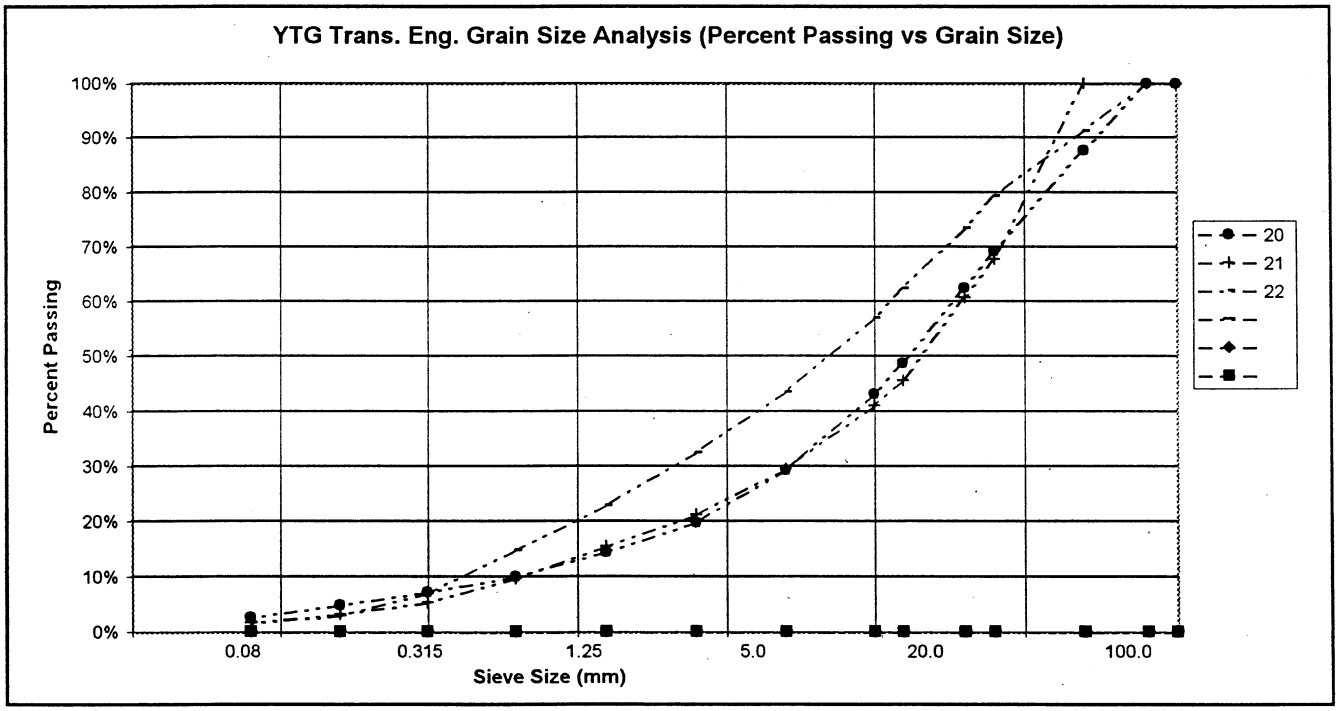
DATE COMP: 03/12/04

FIELD NO:	17	18	19			
LAB NO:	602	603	604			
DEPTH:	0.5-1.0	2.4-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	89%	100%			
25.0	76%	78%	81%			
20.0	71%	72%	71%			
12.5	61%	56%	60%			
10.0	58%	51%	54%			
5.0	47%	37%	40%			
2.5	36%	27%	28%			
1.25	27%	20%	20%			
0.630	17%	14%	12%			
0.315	10%	8%	6%			
0.160	5%	4%	3%			
0.080	3%	2%	1%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	53	63	60			
% SAND:	44	35	38			
% FINES:	3	2	1			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



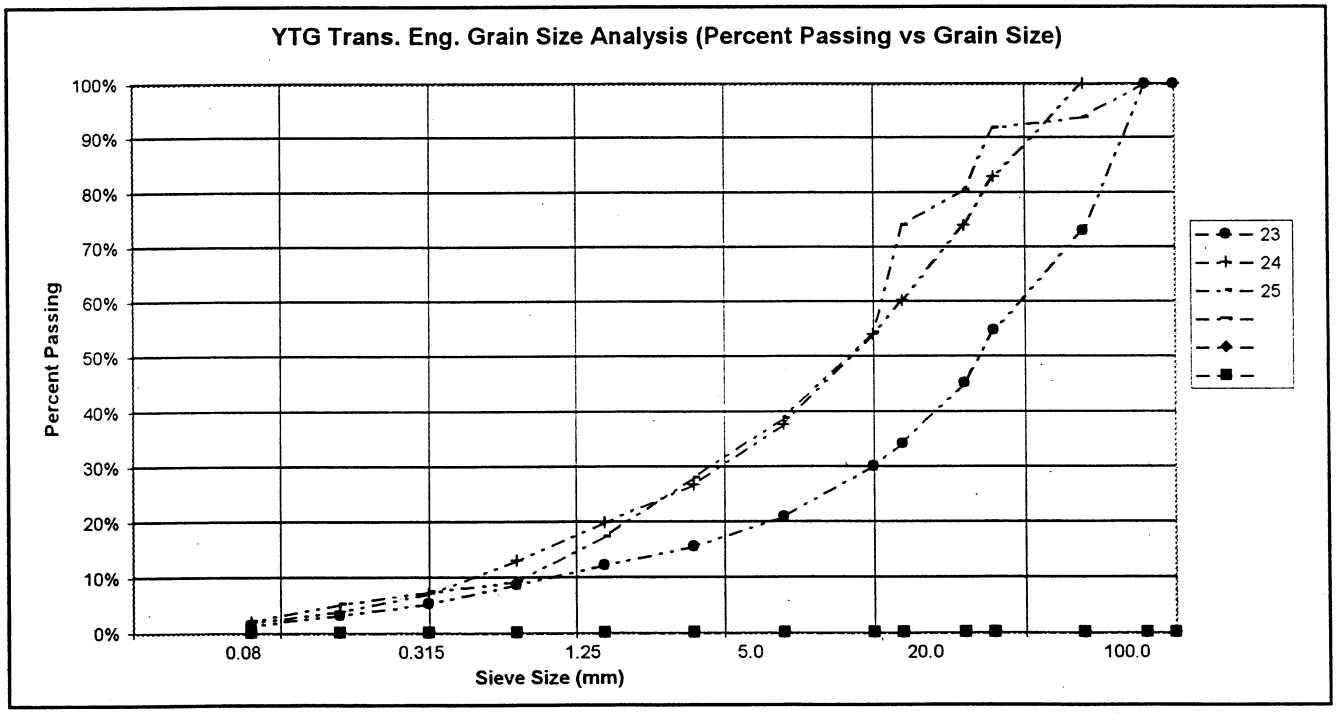
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2780
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	20	21	22			
LAB NO:	605	606	607			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	88%	100%	91%			
25.0	69%	68%	79%			
20.0	62%	61%	73%			
12.5	49%	46%	62%			
10.0	43%	41%	57%			
5.0	29%	30%	44%			
2.5	20%	21%	33%			
1.25	14%	16%	23%			
0.630	10%	10%	15%			
0.315	7%	5%	7%			
0.160	5%	3%	3%			
0.080	3%	2%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	71	70	56			
% SAND:	27	28	42			
% FINES:	3	2	2			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



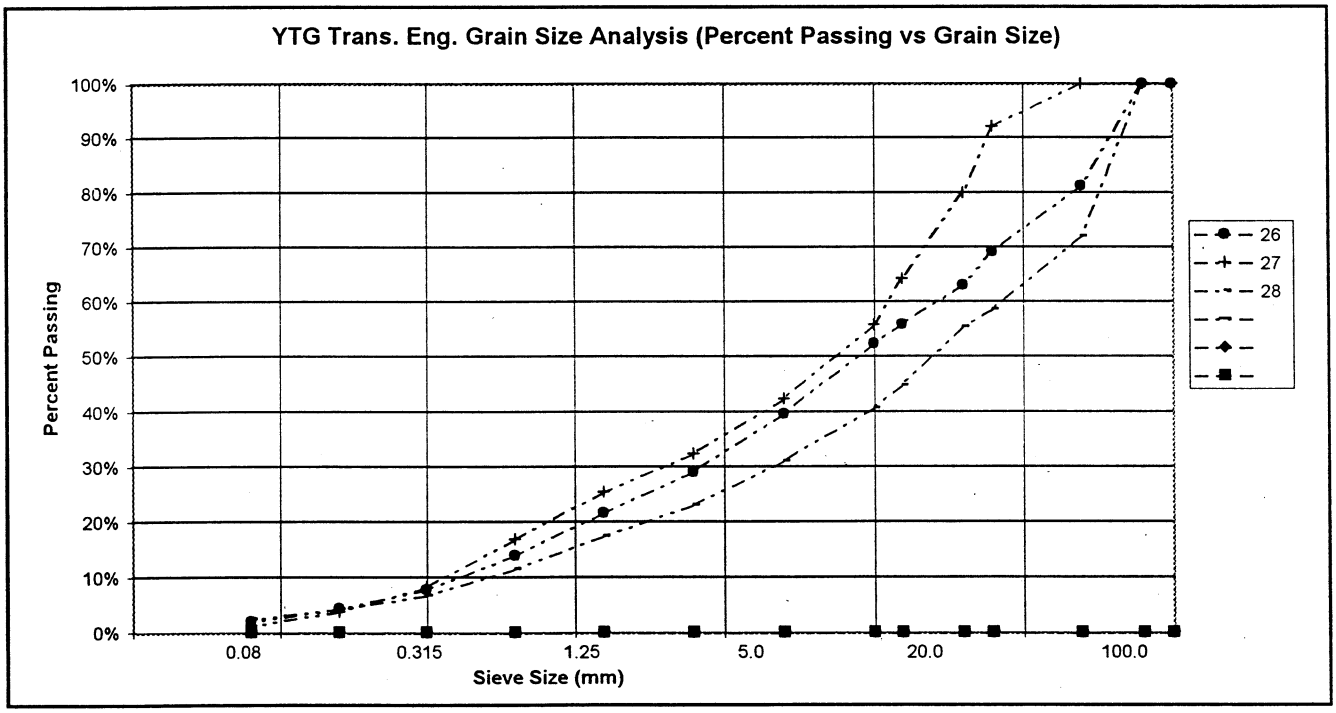
PROJECT NUMBER: 552-202101-0362-1 HOLE No.: 658-2781
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C. DATE COMP: 03/12/04

FIELD NO:	23	24	25			
LAB NO:	608	609	610			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	**PERCENT PASSING**	**PERCENT PASSING**	**PERCENT PASSING**			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	73%	100%	94%			
25.0	55%	83%	92%			
20.0	45%	74%	80%			
12.5	34%	60%	74%			
10.0	30%	54%	54%			
5.0	21%	38%	39%			
2.5	16%	27%	28%			
1.25	12%	20%	17%			
0.630	9%	13%	9%			
0.315	5%	7%	7%			
0.160	3%	4%	5%			
0.080	1%	2%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	79	62	61			
% SAND:	20	36	37			
% FINES:	1	2	2			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



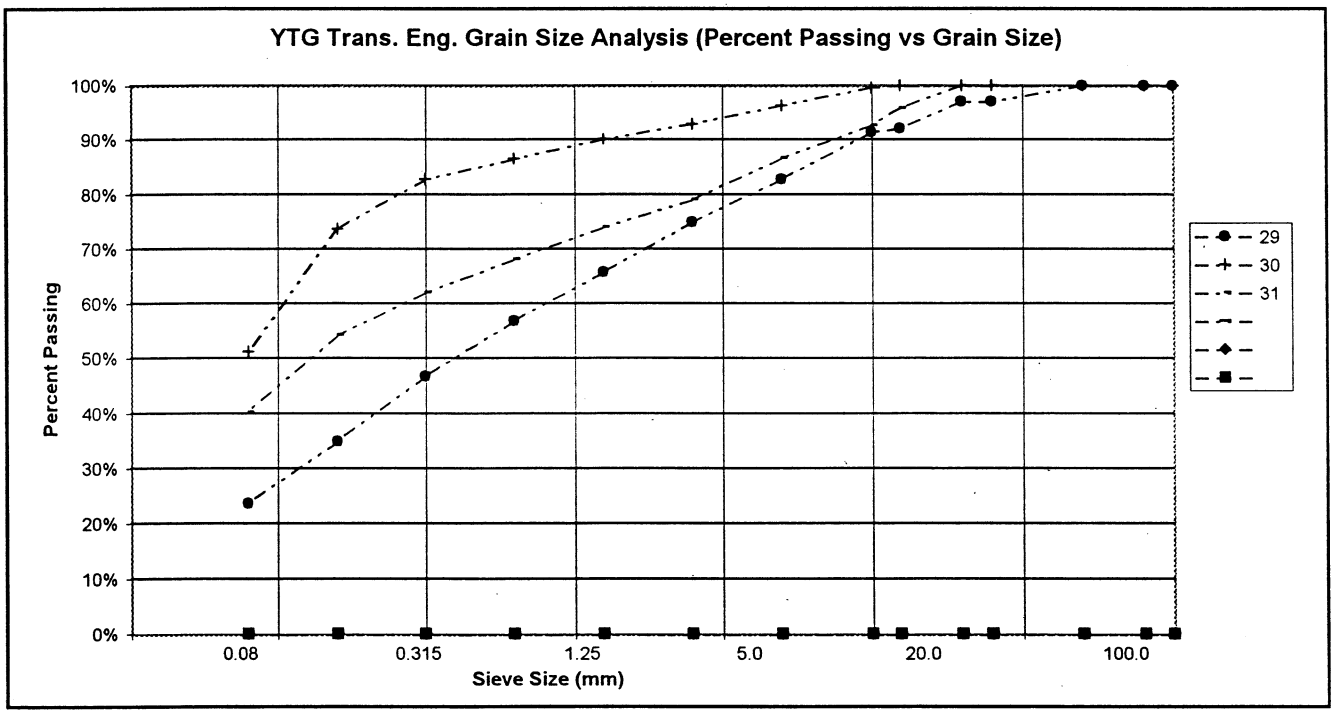
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 658-2782
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/04

FIELD NO:	26	27	28			
LAB NO:	611	612	613			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	**PERCENT PASSING**	**PERCENT PASSING**	**PERCENT PASSING**			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	81%	100%	72%			
25.0	69%	92%	59%			
20.0	63%	80%	55%			
12.5	56%	64%	45%			
10.0	52%	56%	41%			
5.0	40%	42%	31%			
2.5	29%	32%	23%			
1.25	22%	25%	17%			
0.630	14%	17%	11%			
0.315	8%	8%	7%			
0.160	4%	4%	4%			
0.080	2%	1%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	60	58	69			
% SAND:	38	41	29			
% FINES:	2	1	2			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



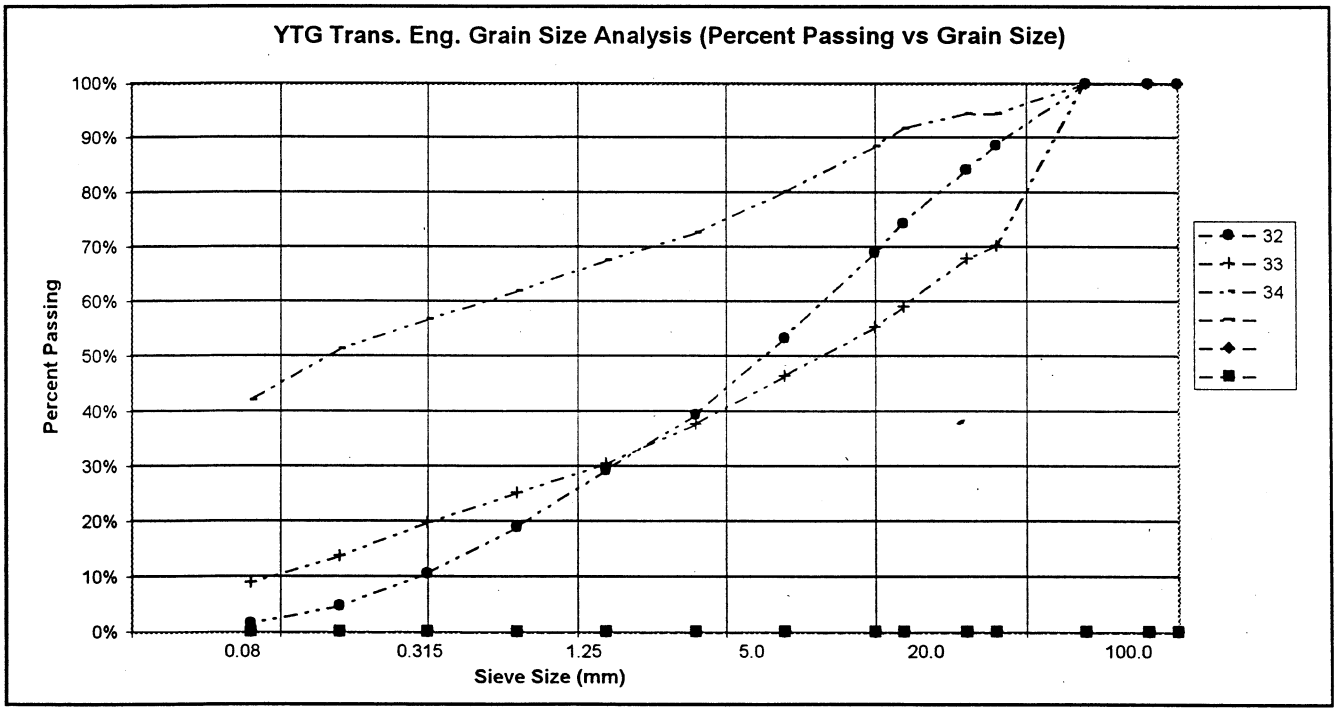
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 658-2783
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/04

FIELD NO:	29	30	31			
LAB NO:	614	615	616			
DEPTH:	0.6-1.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	97%	100%	100%			
20.0	97%	100%	100%			
12.5	92%	100%	96%			
10.0	91%	100%	93%			
5.0	83%	96%	87%			
2.5	75%	93%	79%			
1.25	66%	90%	74%			
0.630	57%	87%	68%			
0.315	47%	83%	62%			
0.160	35%	74%	54%			
0.080	24%	51%	40%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	17	4	13			
% SAND:	59	45	46			
% FINES:	24	51	40			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)	SILTY SAND (SM)			



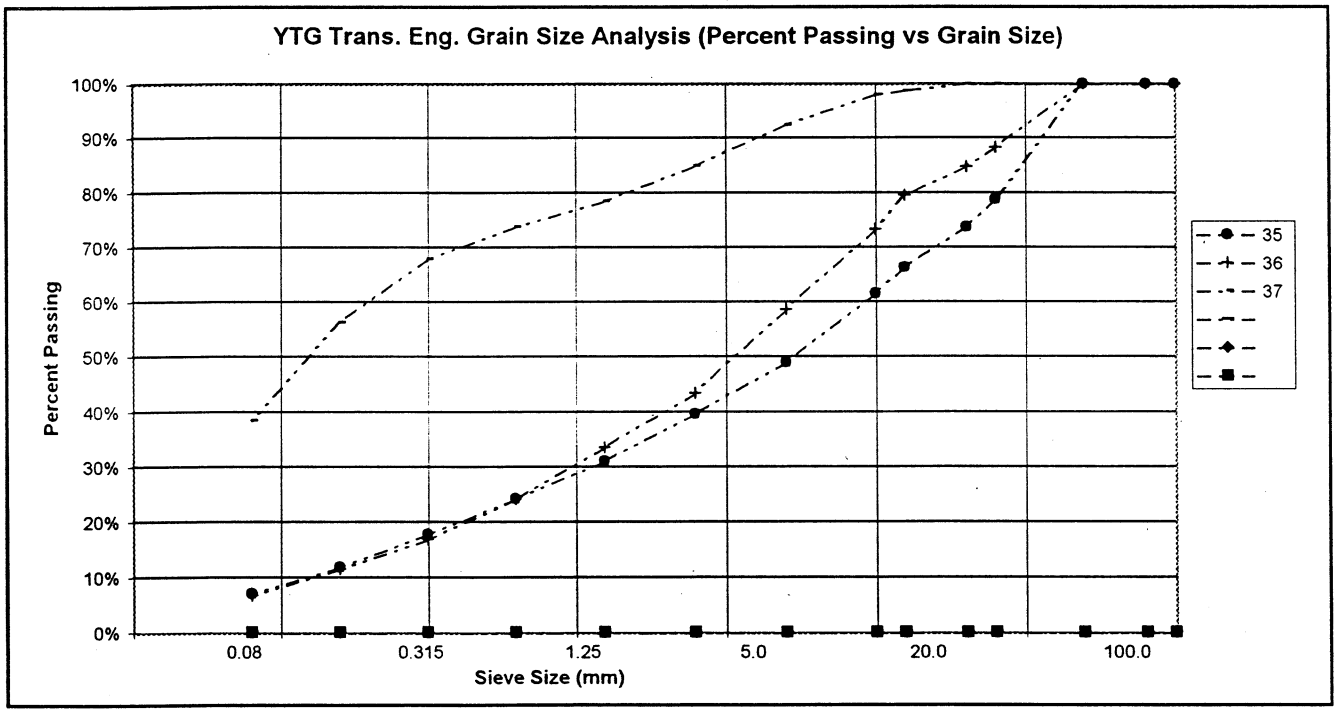
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2784
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	32	33	34			
LAB NO:	617	618	619			
DEPTH:	0.5-1.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	89%	70%	95%			
20.0	84%	68%	95%			
12.5	74%	59%	92%			
10.0	69%	55%	88%			
5.0	53%	46%	80%			
2.5	39%	38%	73%			
1.25	29%	30%	68%			
0.630	19%	25%	62%			
0.315	11%	20%	57%			
0.160	5%	14%	51%			
0.080	2%	9%	42%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	47	54	20			
% SAND:	52	38	38			
% FINES:	2	9	42			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)			



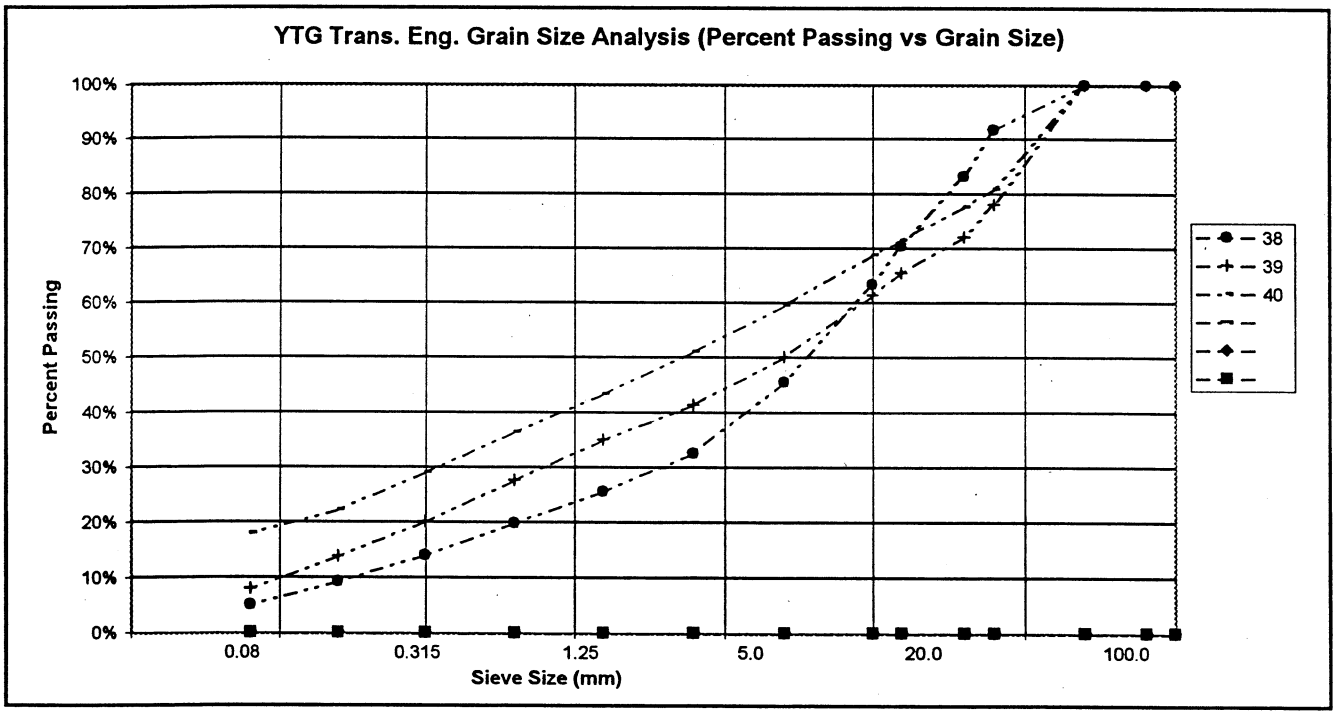
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2795
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	35	36	37			
LAB NO:	620	621	622			
DEPTH:	0.8-1.2	2.6-3.2	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	79%	88%	100%			
20.0	74%	85%	100%			
12.5	66%	79%	99%			
10.0	62%	73%	98%			
5.0	49%	59%	92%			
2.5	40%	43%	85%			
1.25	31%	34%	78%			
0.630	24%	24%	74%			
0.315	18%	17%	68%			
0.160	12%	11%	56%			
0.080	7%	7%	38%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	51	41	8			
% SAND:	42	52	54			
% FINES:	7	7	38			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 658-2796
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/04

FIELD NO:	38	39	40			
LAB NO:	623	624	625			
DEPTH:	0.8-1.2	2.2-2.8	3.2-4.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	92%	78%	81%			
20.0	83%	72%	78%			
12.5	70%	66%	71%			
10.0	63%	61%	69%			
5.0	46%	50%	60%			
2.5	33%	41%	51%			
1.25	26%	35%	43%			
0.630	20%	28%	37%			
0.315	14%	20%	29%			
0.160	9%	14%	22%			
0.080	5%	8%	18%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	54	50	40			
% SAND:	41	42	42			
% FINES:	5	8	18			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)			

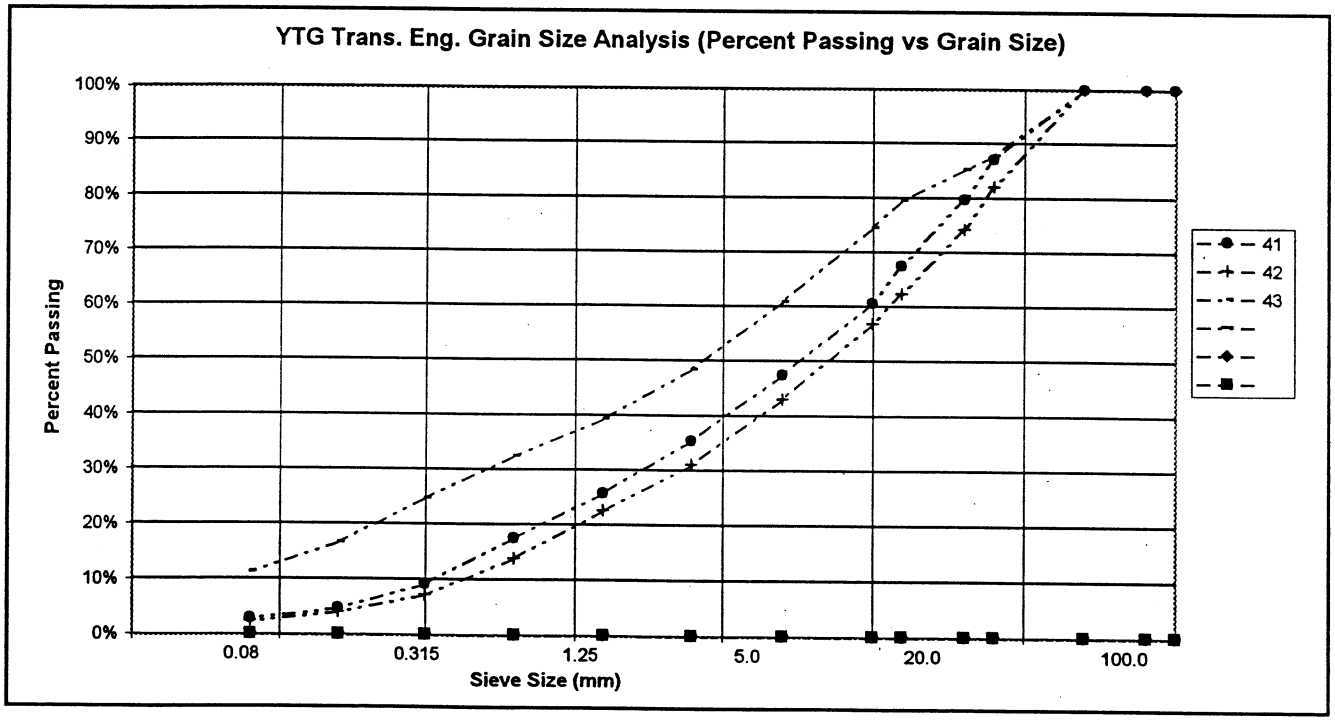


PROJECT NUMBER:	552-202101-0362-1
CLIENT:	Shakwak
PROJECT NAME:	Congdon Creek Granular Investigation
PROJECT LOCATION:	Km 1719.5 A/H
DRILL UNIT:	Komatsu PC- 400-LC
HOLE LOCATION:	See Plan / GPS
LOGGED BY:	G.C.

HOLE No.: 658-2797

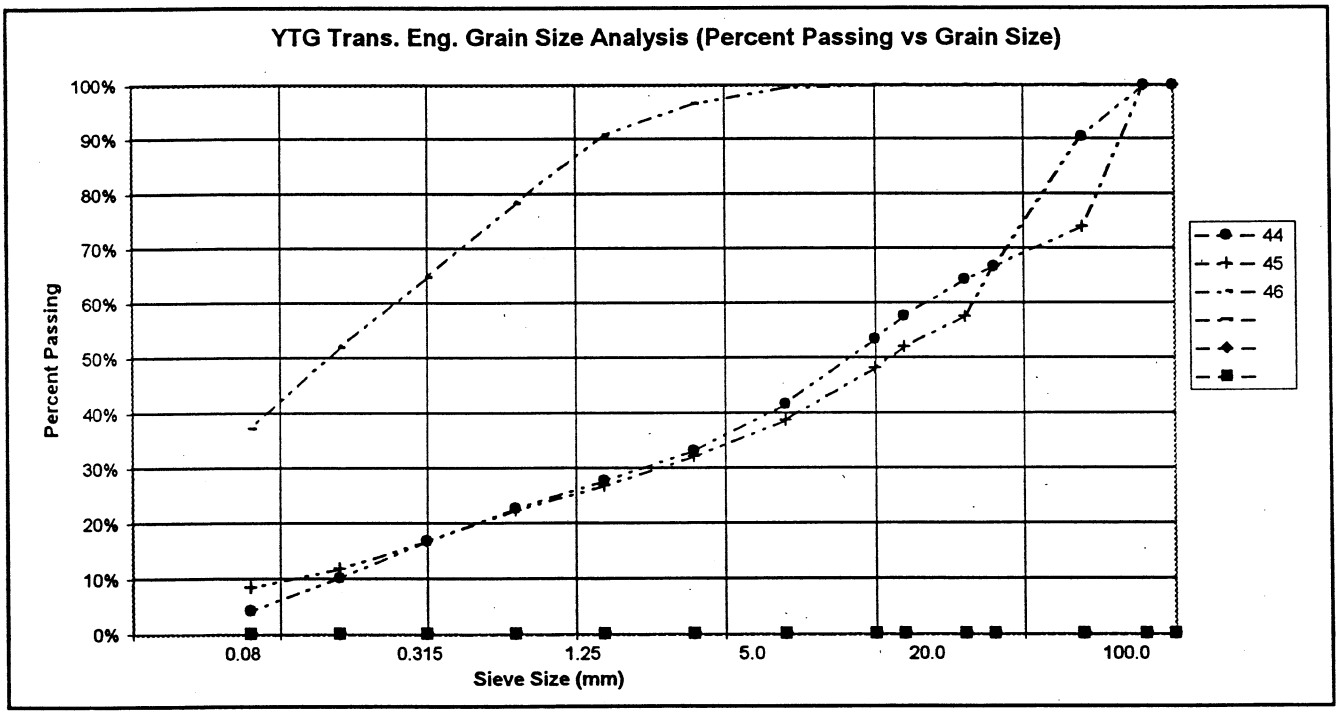
DATE COMP: 03/12/04

FIELD NO:	41	42	43			
LAB NO:	626	627	628			
DEPTH:	0.6-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	87%	82%	88%			
20.0	80%	74%	85%			
12.5	68%	62%	79%			
10.0	61%	57%	74%			
5.0	47%	43%	61%			
2.5	35%	31%	48%			
1.25	26%	23%	39%			
0.630	18%	14%	32%			
0.315	9%	7%	25%			
0.160	5%	4%	17%			
0.080	3%	2%	11%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	53	57	39			
% SAND:	45	41	50			
% FINES:	3	2	11			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2798
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	44	45	46			
LAB NO:	629	630	631			
DEPTH:	0.8-1.2	2.4-3.0	5.8-6.2			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	91%	74%	100%			
25.0	67%	67%	100%			
20.0	64%	58%	100%			
12.5	58%	52%	100%			
10.0	53%	48%	100%			
5.0	42%	39%	100%			
2.5	33%	32%	97%			
1.25	28%	27%	91%			
0.630	23%	22%	78%			
0.315	17%	17%	65%			
0.160	10%	12%	52%			
0.080	4%	8%	37%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	58	61	0			
% SAND:	37	30	62			
% FINES:	4	8	37			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND (SM)			

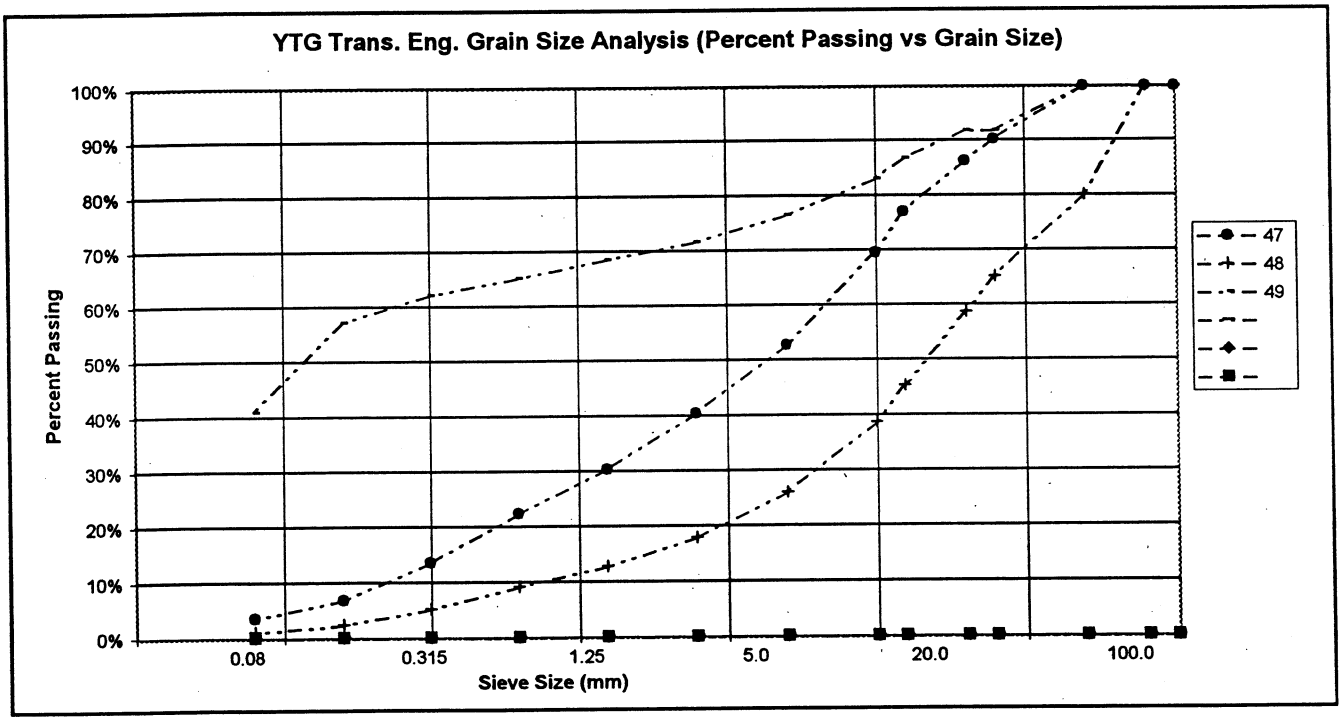


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2799

DATE COMP: 03/12/06

FIELD NO:	47	48	49			
LAB NO:	632	633	634			
DEPTH:	0.8-1.2	3.0-4.0	5.8-6.2			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	80%	100%			
25.0	90%	65%	92%			
20.0	86%	59%	92%			
12.5	77%	45%	87%			
10.0	69%	39%	83%			
5.0	53%	26%	76%			
2.5	40%	18%	72%			
1.25	30%	13%	68%			
0.630	22%	9%	65%			
0.315	14%	5%	62%			
0.160	7%	2%	57%			
0.080	4%	1%	41%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	47	74	24			
% SAND:	49	25	36			
% FINES:	4	1	41			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND WITH GRAVEL (SM)			

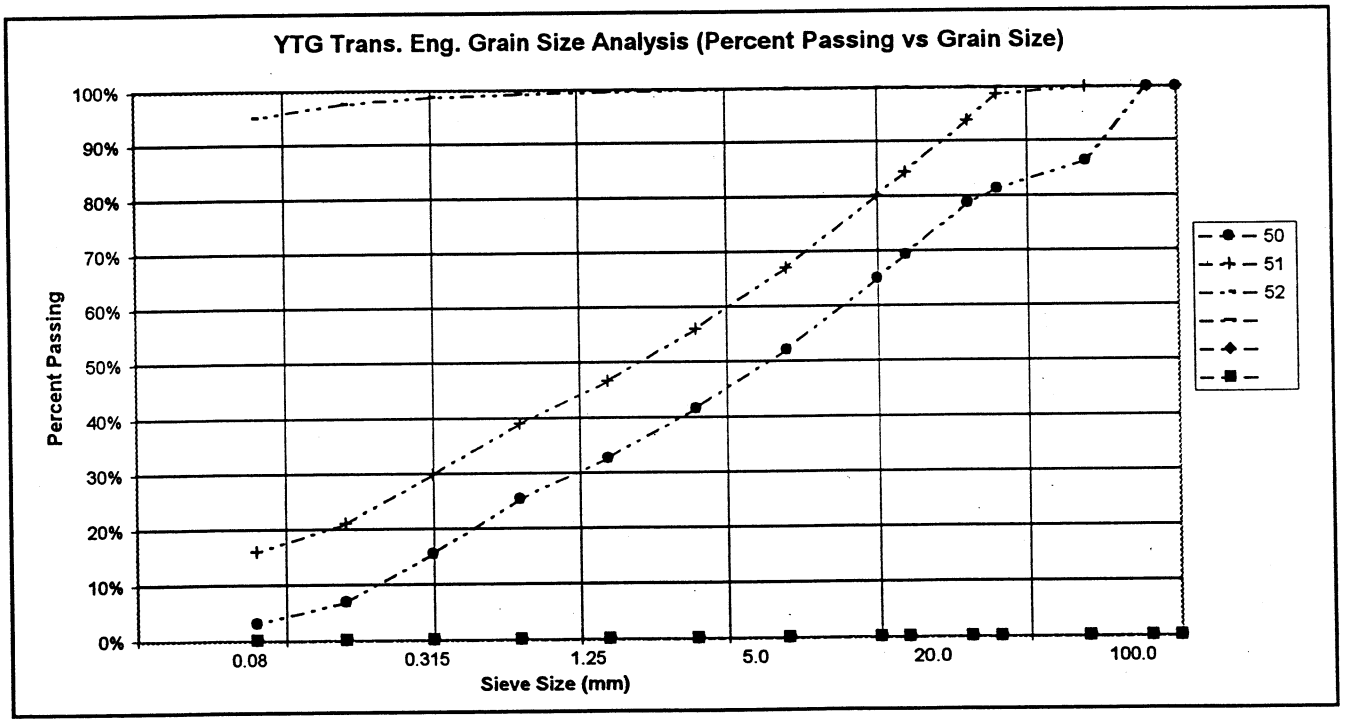


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2800

DATE COMP: 03/12/06

FIELD NO:	50	51	52			
LAB NO:	635	636	637			
DEPTH:	1.7-2.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	86%	100%	100%			
25.0	81%	99%	100%			
20.0	79%	94%	100%			
12.5	69%	84%	100%			
10.0	65%	80%	100%			
5.0	52%	67%	100%			
2.5	42%	56%	100%			
1.25	33%	47%	100%			
0.630	25%	39%	99%			
0.315	16%	30%	99%			
0.160	7%	21%	98%			
0.080	3%	16%	95%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	48	33	0			
% SAND:	49	51	5			
% FINES:	3	16	95			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILTY SAND WITH GRAVEL (SM)	SILT (ML)			

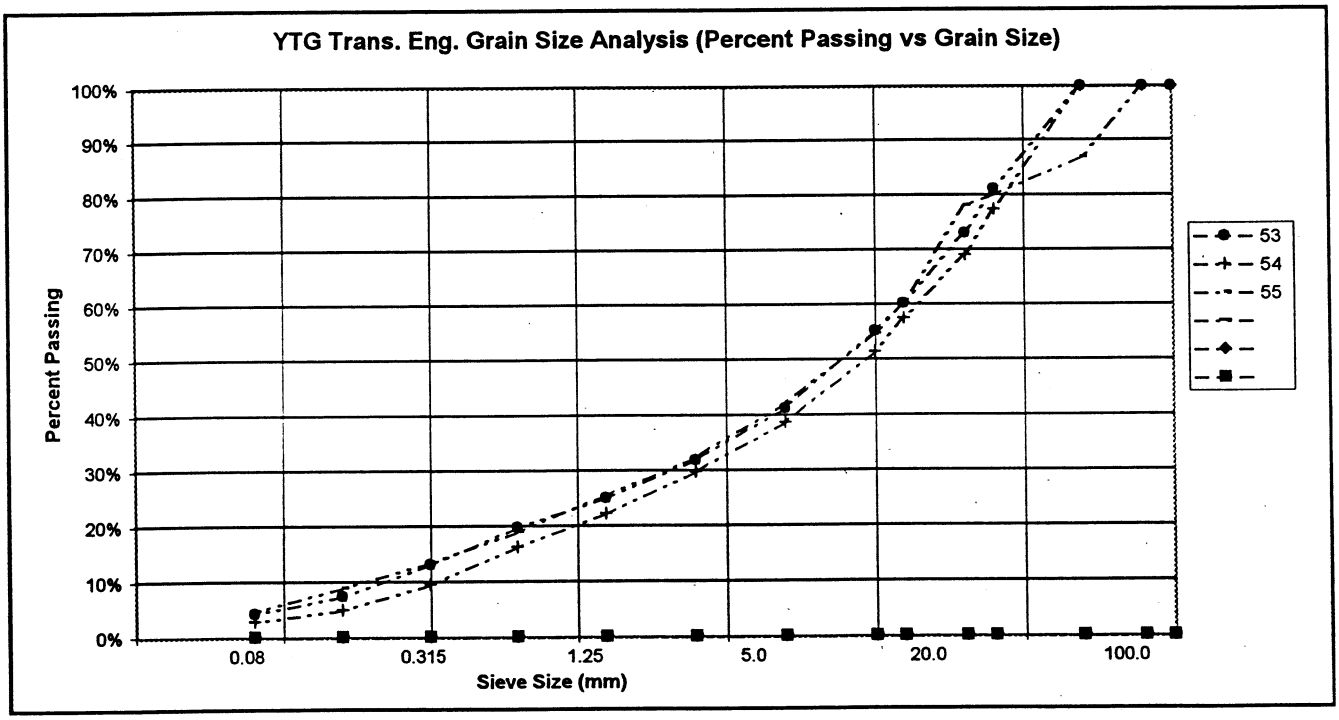


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2801

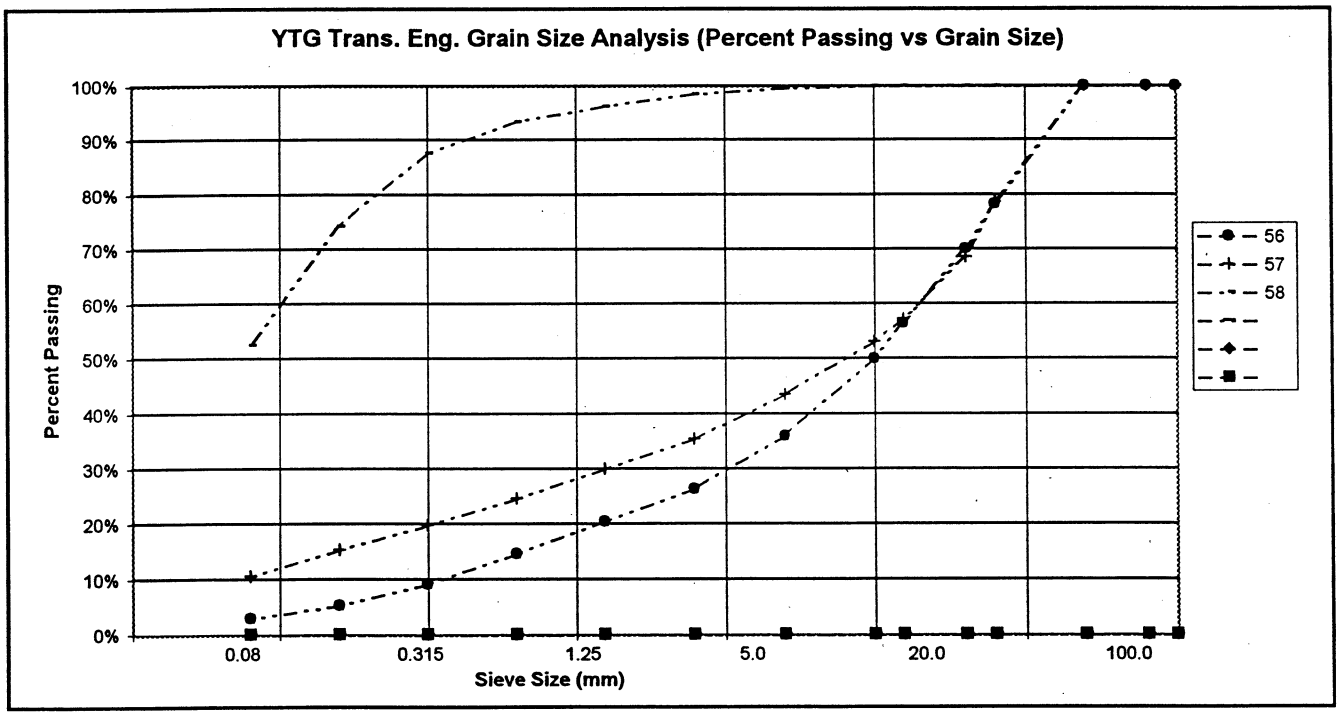
DATE COMP: 03/12/06

FIELD NO:	53	54	55			
LAB NO:	638	639	640			
DEPTH:	0.5-1.0	2.4-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	87%			
25.0	81%	77%	80%			
20.0	73%	69%	78%			
12.5	60%	58%	60%			
10.0	55%	51%	55%			
5.0	41%	39%	42%			
2.5	32%	30%	32%			
1.25	25%	22%	26%			
0.630	20%	16%	19%			
0.315	13%	10%	13%			
0.160	7%	5%	9%			
0.080	4%	3%	5%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	61	58			
% SAND:	37	36	38			
% FINES:	4	3	5			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



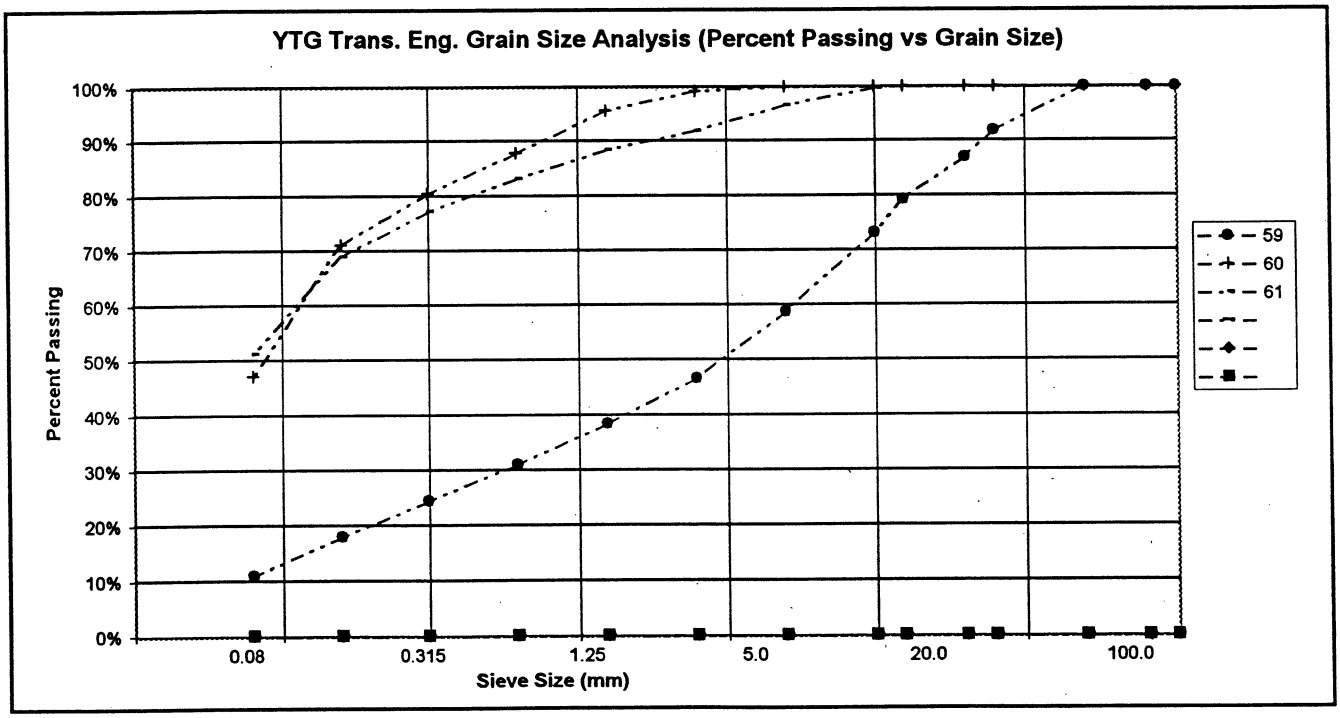
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2802
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	56	57	58			
LAB NO:	641	642	643			
DEPTH:	0.6-1.2	3.0-4.0	5.8-6.2			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	78%	79%	100%			
20.0	70%	69%	100%			
12.5	56%	57%	100%			
10.0	50%	53%	100%			
5.0	36%	43%	100%			
2.5	26%	35%	98%			
1.25	20%	30%	96%			
0.630	15%	25%	93%			
0.315	9%	20%	88%			
0.160	5%	15%	74%			
0.080	3%	11%	53%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	64	57	0			
% SAND:	33	33	47			
% FINES:	3	11	53			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SANDY SILT (ML)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2803
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	59	60	61			
LAB NO:	644	645	646			
DEPTH:	0.8-1.4	2.4-3.4	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	92%	100%	100%			
20.0	87%	100%	100%			
12.5	79%	100%	100%			
10.0	73%	100%	100%			
5.0	59%	100%	97%			
2.5	47%	99%	92%			
1.25	38%	96%	88%			
0.630	31%	88%	83%			
0.315	24%	80%	77%			
0.160	18%	71%	69%			
0.080	11%	47%	51%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	41	0	3			
% SAND:	48	53	45			
% FINES:	11	47	51			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)	SANDY SILT (ML)			

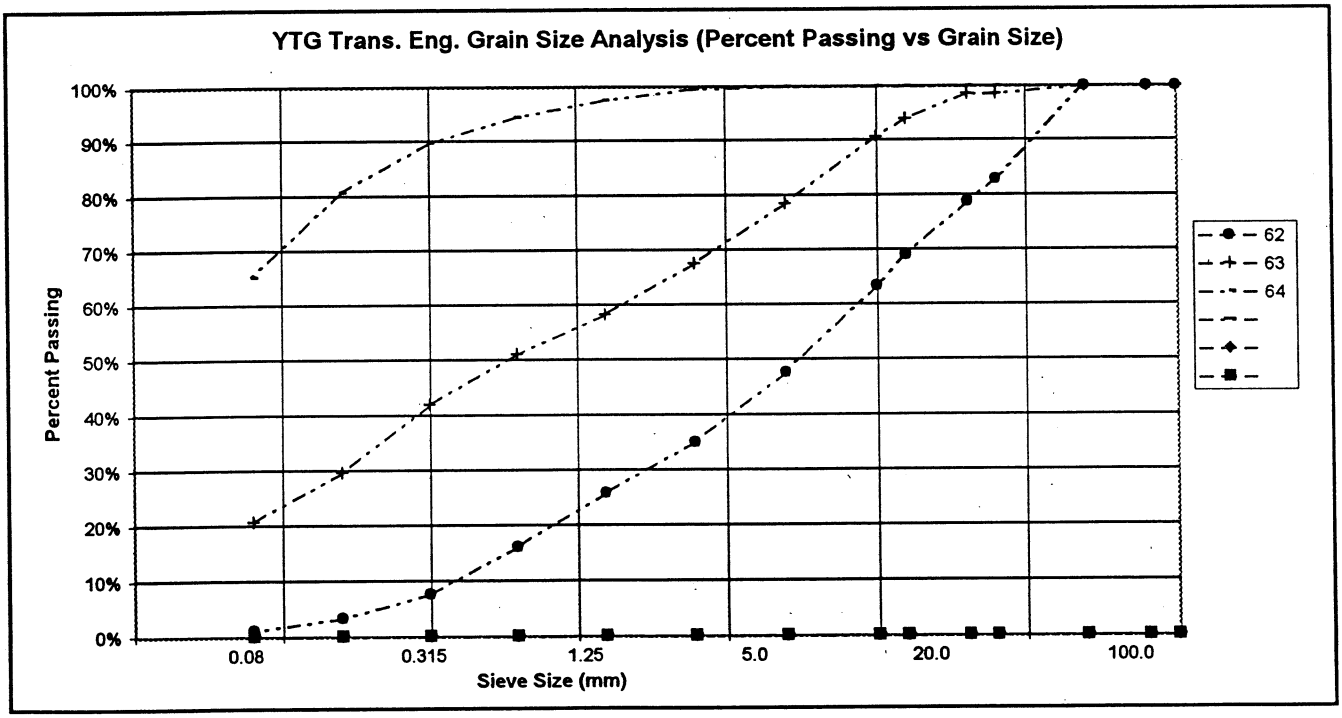


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2804

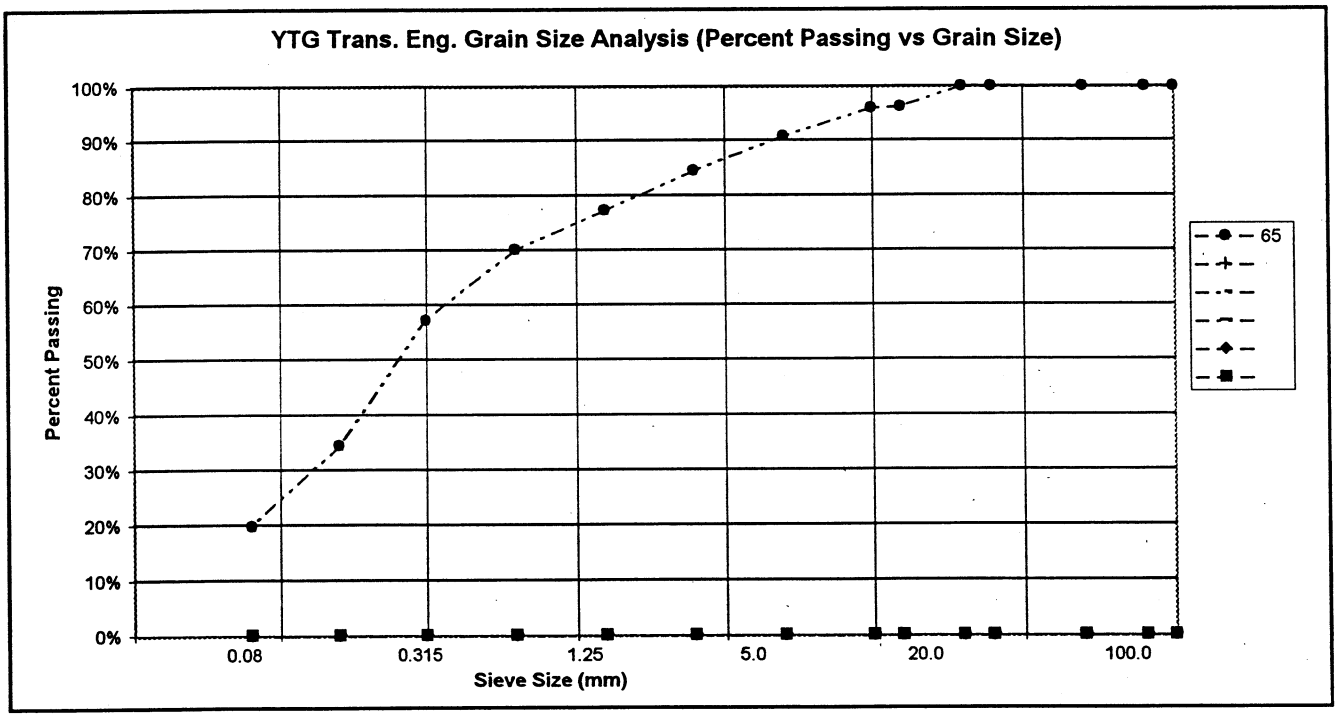
DATE COMP: 03/12/06

FIELD NO:	62	63	64			
LAB NO:	647	648	649			
DEPTH:	0.8-1.2	2.4-2.6	3.5-4.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	83%	99%	100%			
20.0	79%	99%	100%			
12.5	69%	94%	100%			
10.0	63%	91%	100%			
5.0	48%	78%	100%			
2.5	35%	68%	100%			
1.25	26%	58%	98%			
0.630	16%	51%	95%			
0.315	8%	42%	90%			
0.160	3%	30%	81%			
0.080	1%	21%	65%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	52	22	0			
% SAND:	47	58	35			
% FINES:	1	21	65			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)			



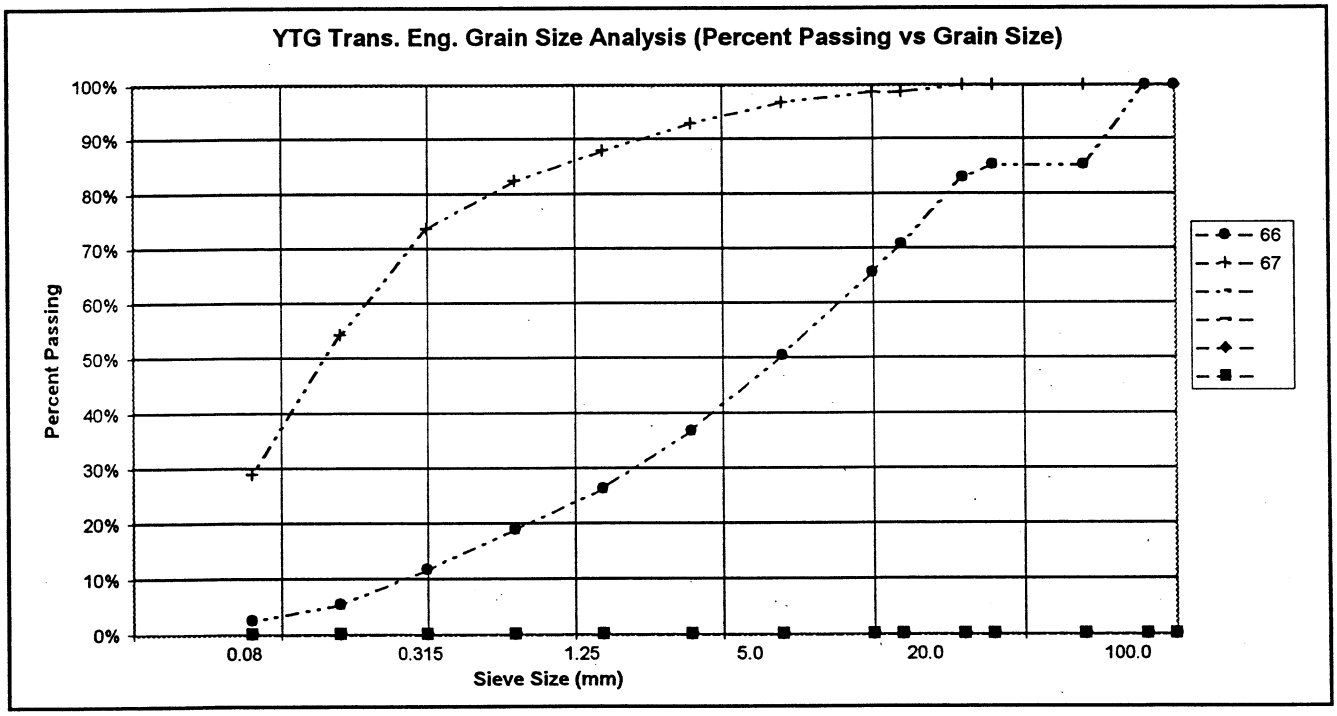
PROJECT NUMBER:	552-202101-0362-1				HOLE No.: 659-2805	
CLIENT:	Shakwak					
PROJECT NAME:	Congdon Creek Granular Investigation					
PROJECT LOCATION:	Km 1719.5 A/H					
DRILL UNIT:	Komatsu PC- 400-LC					
HOLE LOCATION:	See Plan / GPS					
LOGGED BY:	G.C.				DATE COMP: 03/12/06	

FIELD NO:	65					
LAB NO:	650					
DEPTH:	0.4-0.8					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	100%					
12.5	96%					
10.0	96%					
5.0	91%					
2.5	85%					
1.25	77%					
0.630	70%					
0.315	57%					
0.160	34%					
0.080	20%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	9					
% SAND:	71					
% FINES:	20					
CLASSIFICATION	SILTY SAND (SM)					



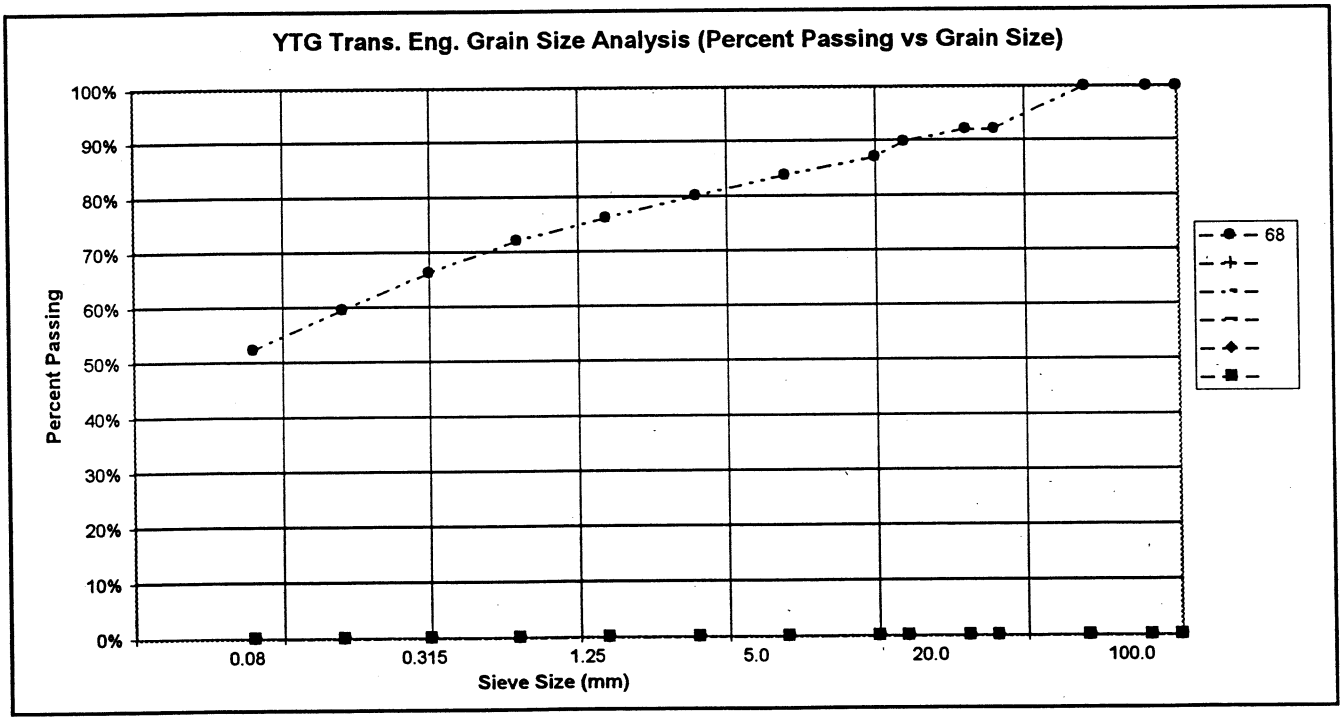
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2806
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	66	67				
LAB NO:	651	652				
DEPTH:	0.8-1.0	1.6-2.4				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	85%	100%				
25.0	85%	100%				
20.0	83%	100%				
12.5	71%	99%				
10.0	66%	99%				
5.0	50%	97%				
2.5	37%	93%				
1.25	26%	88%				
0.630	19%	82%				
0.315	12%	74%				
0.160	5%	54%				
0.080	2%	29%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	50	3				
% SAND:	48	68				
% FINES:	2	29				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND (SM)				



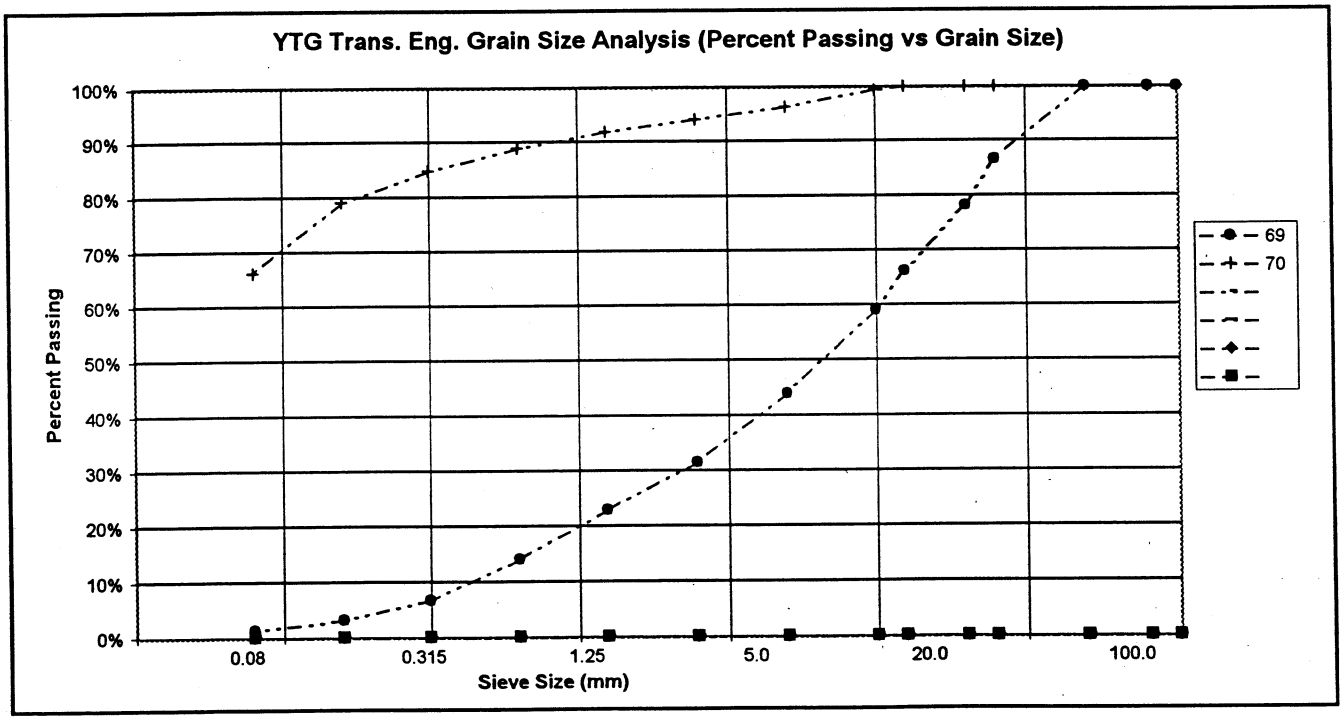
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2807
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	68					
LAB NO:	653					
DEPTH:	1.0-2.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	92%					
20.0	92%					
12.5	90%					
10.0	87%					
5.0	84%					
2.5	80%					
1.25	76%					
0.630	72%					
0.315	66%					
0.160	60%					
0.080	52%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	16					
% SAND:	31					
% FINES:	52					
CLASSIFICATION	SANDY SILT WITH GRAVEL (ML)					



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2808
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	69	70				
LAB NO:	654	655				
DEPTH:	0.8-1.2	2.4-2.8				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	87%	100%				
20.0	78%	100%				
12.5	66%	100%				
10.0	59%	99%				
5.0	44%	96%				
2.5	31%	94%				
1.25	23%	92%				
0.630	14%	89%				
0.315	7%	85%				
0.160	3%	79%				
0.080	1%	66%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	56	4				
% SAND:	43	30				
% FINES:	1	66				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SANDY SILT (ML)				

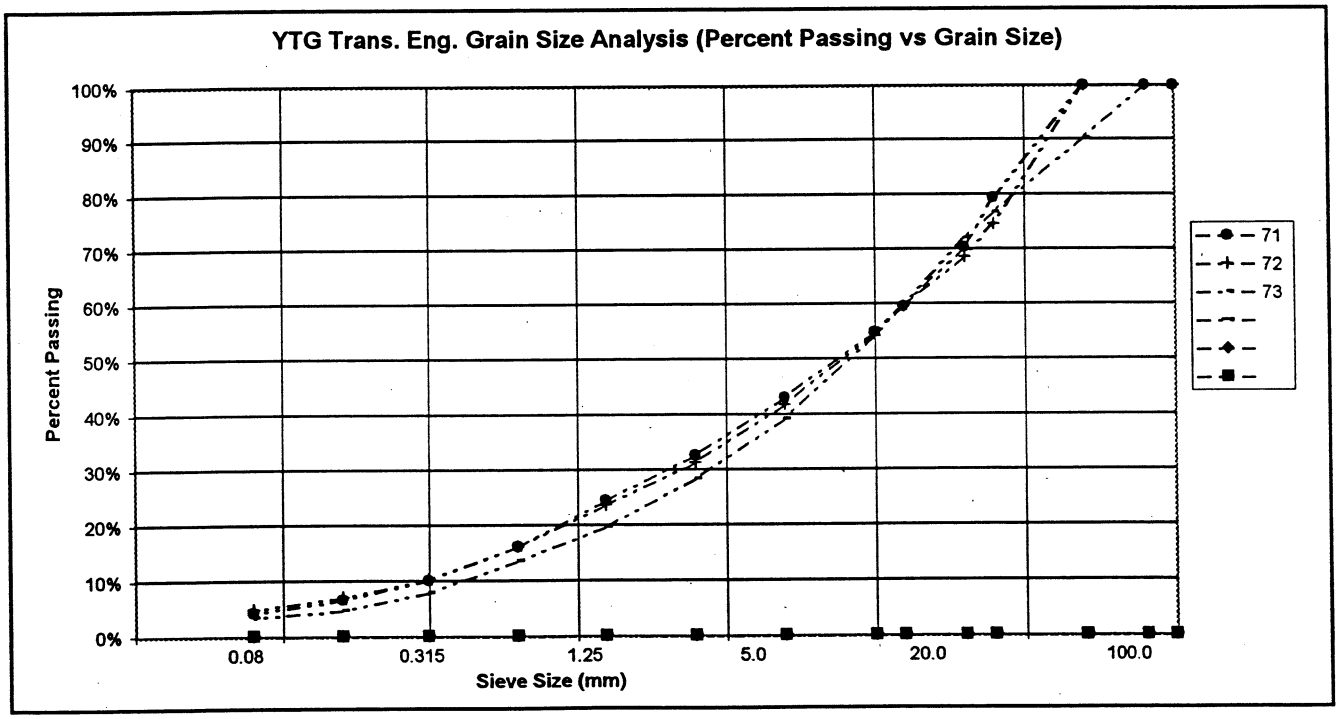


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2809

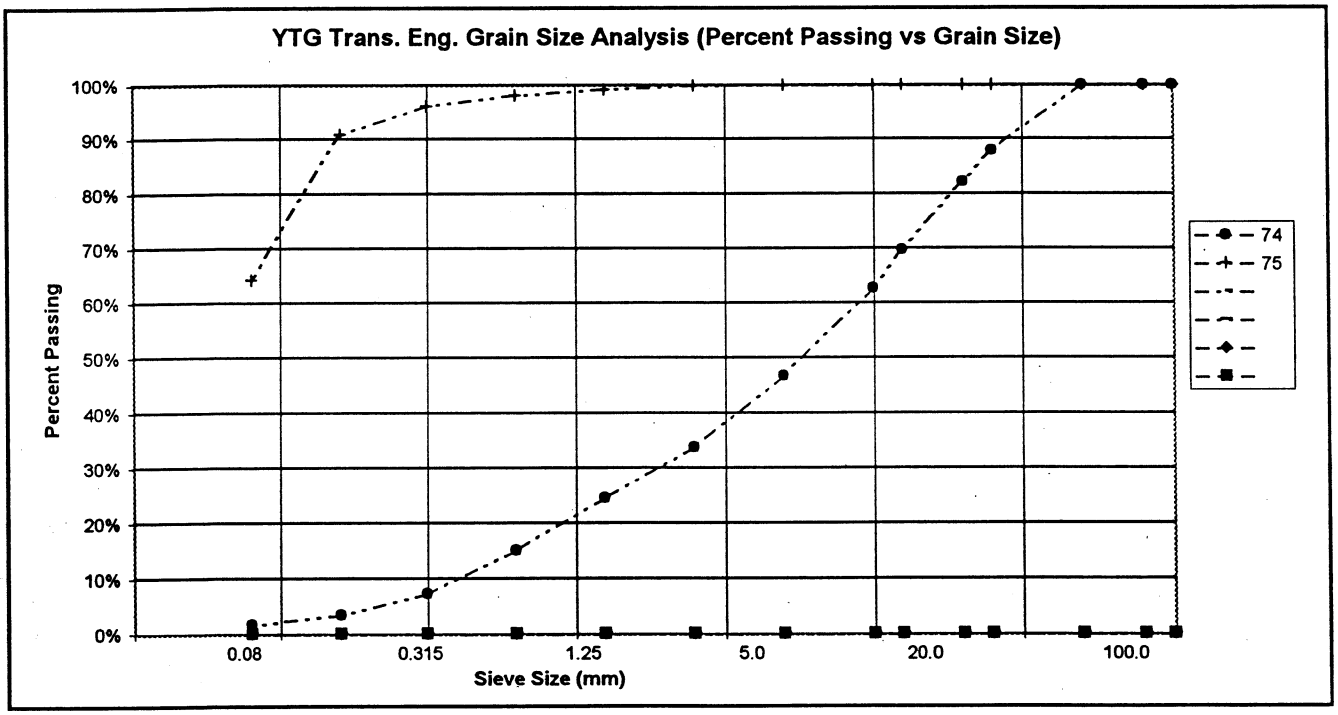
DATE COMP: 03/12/06

FIELD NO:	71	72	73			
LAB NO:	656	657	658			
DEPTH:	0.8-1.2	1.8-2.2	4.0-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	90%			
25.0	79%	75%	77%			
20.0	70%	69%	72%			
12.5	60%	60%	60%			
10.0	55%	54%	54%			
5.0	43%	42%	39%			
2.5	33%	31%	28%			
1.25	24%	24%	20%			
0.630	16%	16%	14%			
0.315	10%	10%	8%			
0.160	7%	7%	5%			
0.080	4%	5%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	57	58	61			
% SAND:	39	37	36			
% FINES:	4	5	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



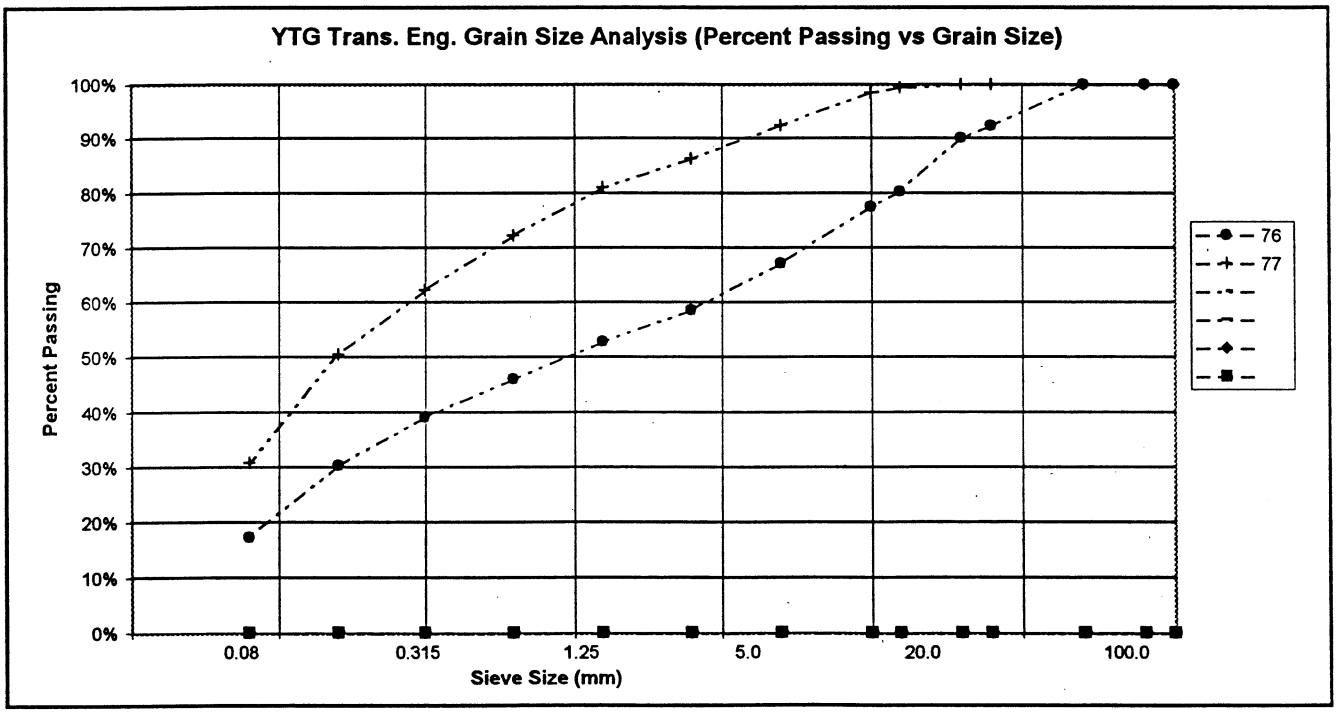
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2810
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	74	75				
LAB NO:	659	660				
DEPTH:	0.8-1.2	3.0-4.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	88%	100%				
20.0	82%	100%				
12.5	70%	100%				
10.0	63%	100%				
5.0	47%	100%				
2.5	34%	100%				
1.25	25%	99%				
0.630	15%	98%				
0.315	7%	96%				
0.160	3%	91%				
0.080	2%	64%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	53	0				
% SAND:	45	36				
% FINES:	2	64				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SANDY SILT (ML)				



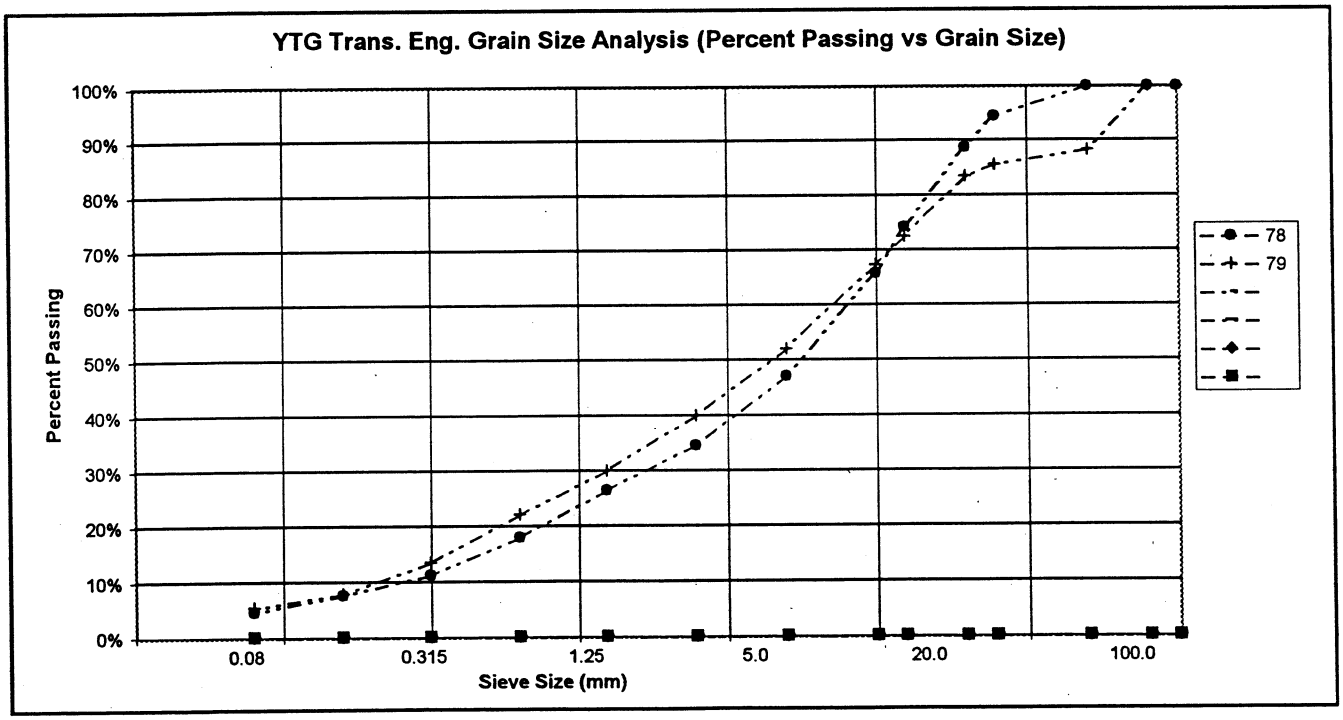
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2811
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/06

FIELD NO:	76	77				
LAB NO:	661	662				
DEPTH:	0.4-1.0	2.5-3.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	92%	100%				
20.0	90%	100%				
12.5	80%	99%				
10.0	78%	98%				
5.0	67%	93%				
2.5	59%	86%				
1.25	53%	81%				
0.630	46%	72%				
0.315	39%	62%				
0.160	30%	51%				
0.080	17%	31%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	33	7				
% SAND:	50	62				
% FINES:	17	31				
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)				



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2812
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/07

FIELD NO:	78	79				
LAB NO:	663	664				
DEPTH:	0.6-1.2	3.0-4.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	88%				
25.0	94%	86%				
20.0	89%	83%				
12.5	74%	72%				
10.0	66%	67%				
5.0	47%	52%				
2.5	35%	40%				
1.25	26%	30%				
0.630	18%	22%				
0.315	11%	13%				
0.160	8%	8%				
0.080	5%	5%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	53	48				
% SAND:	43	47				
% FINES:	5	5				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)				

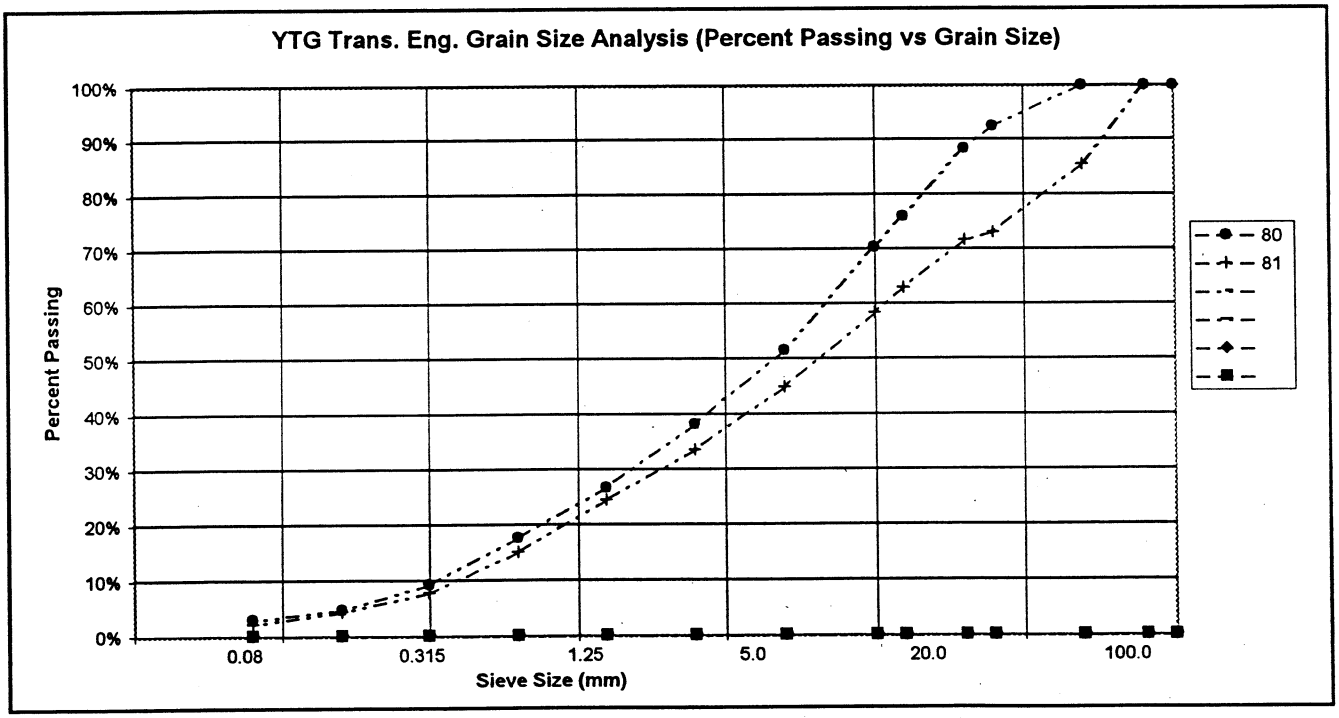


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2813

DATE COMP: 03/12/07

FIELD NO:	80	81				
LAB NO:	665	666				
DEPTH:	0.8-1.4	3.0-4.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	85%				
25.0	92%	73%				
20.0	88%	72%				
12.5	76%	63%				
10.0	70%	58%				
5.0	52%	45%				
2.5	38%	34%				
1.25	27%	24%				
0.630	18%	15%				
0.315	9%	8%				
0.160	5%	4%				
0.080	3%	2%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	48	55				
% SAND:	49	43				
% FINES:	3	2				
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED GRAVEL WITH SAND (GP)				

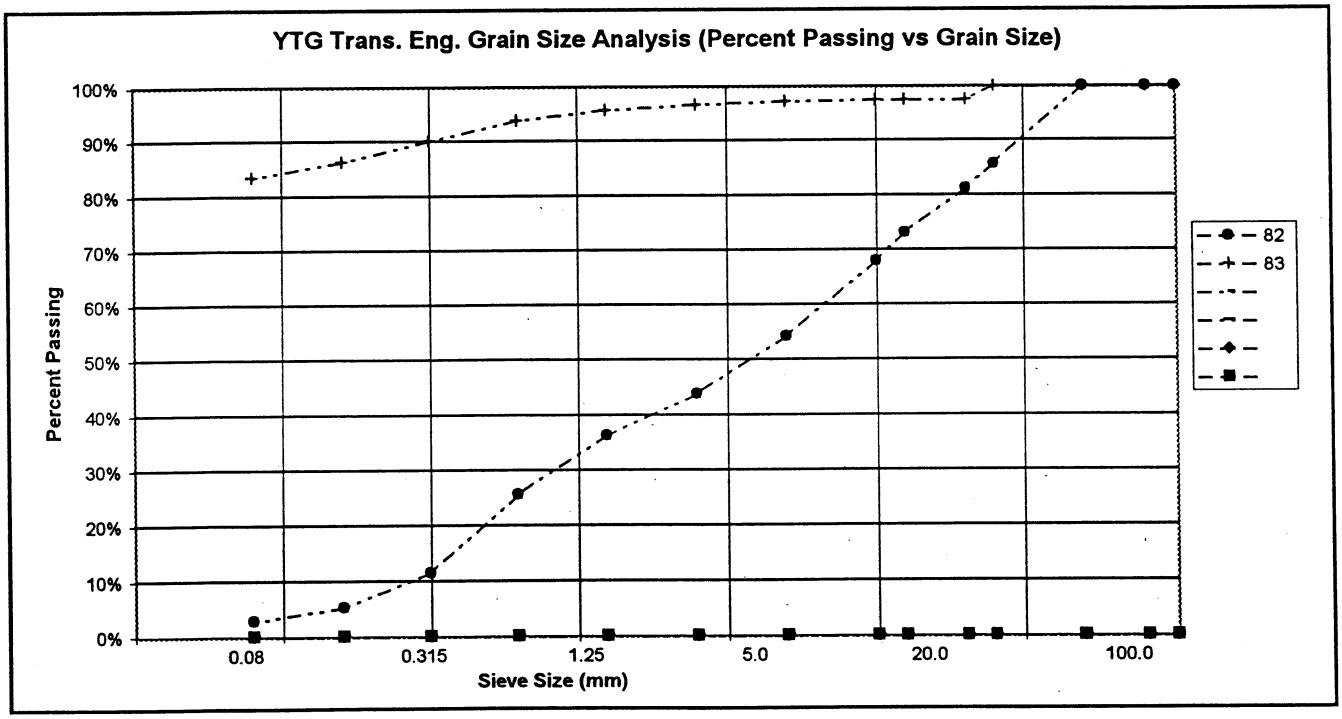


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 659-2814

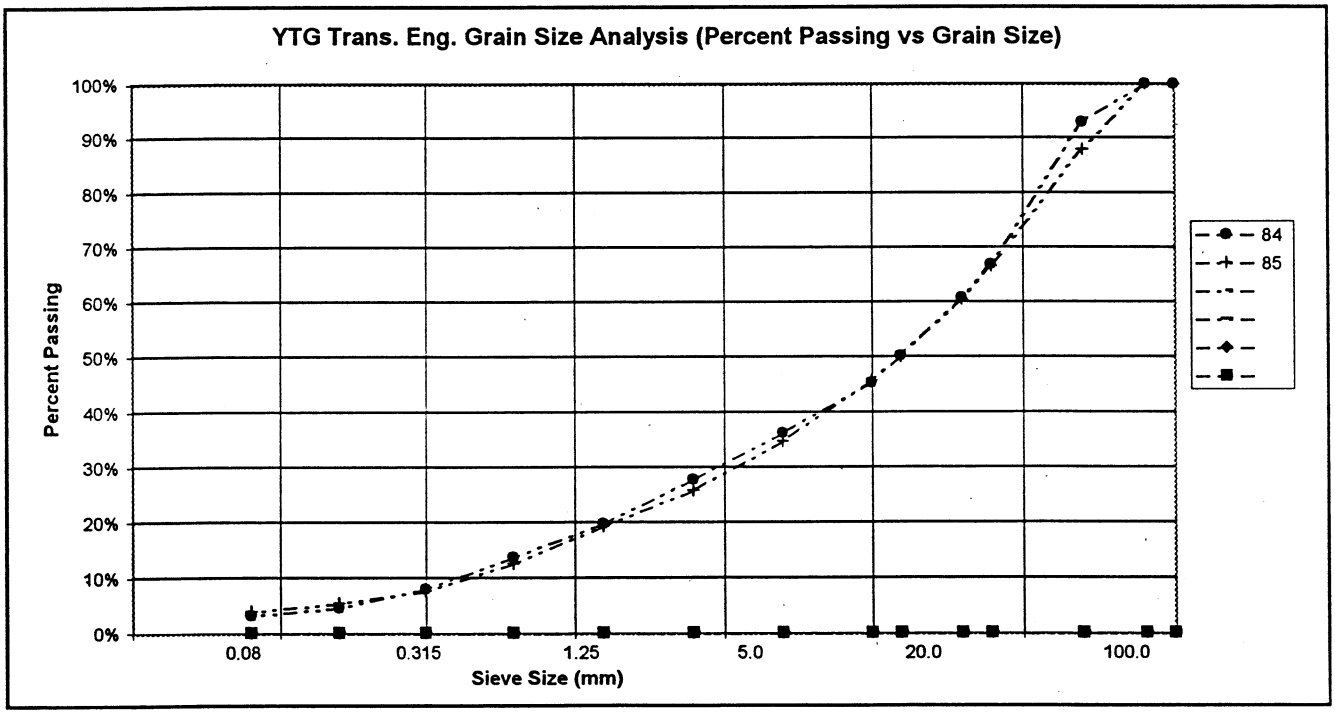
DATE COMP: 03/12/07

FIELD NO:	82	83				
LAB NO:	667	668				
DEPTH:	0.6-1.0	2.4-3.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	86%	100%				
20.0	81%	98%				
12.5	73%	98%				
10.0	68%	98%				
5.0	54%	97%				
2.5	44%	97%				
1.25	36%	96%				
0.630	26%	94%				
0.315	12%	90%				
0.160	5%	86%				
0.080	3%	83%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	46	3				
% SAND:	51	14				
% FINES:	3	83				
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILT WITH SAND (ML)				



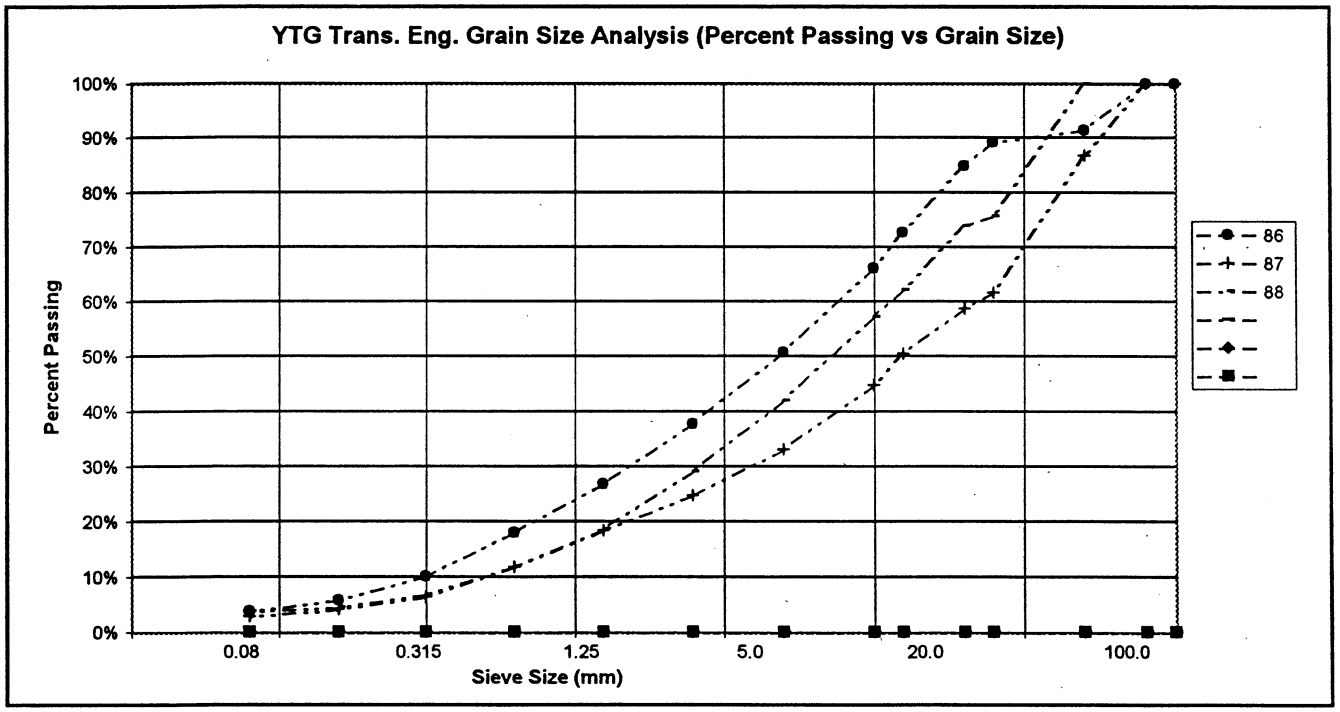
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 659-2815
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/07

FIELD NO:	84	85				
LAB NO:	669	670				
DEPTH:	0.8-1.2	3.0-4.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	93%	88%				
25.0	67%	67%				
20.0	61%	61%				
12.5	50%	50%				
10.0	45%	46%				
5.0	36%	35%				
2.5	28%	26%				
1.25	20%	19%				
0.630	14%	13%				
0.315	8%	8%				
0.160	5%	5%				
0.080	3%	4%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	64	65				
% SAND:	33	31				
% FINES:	3	4				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)				



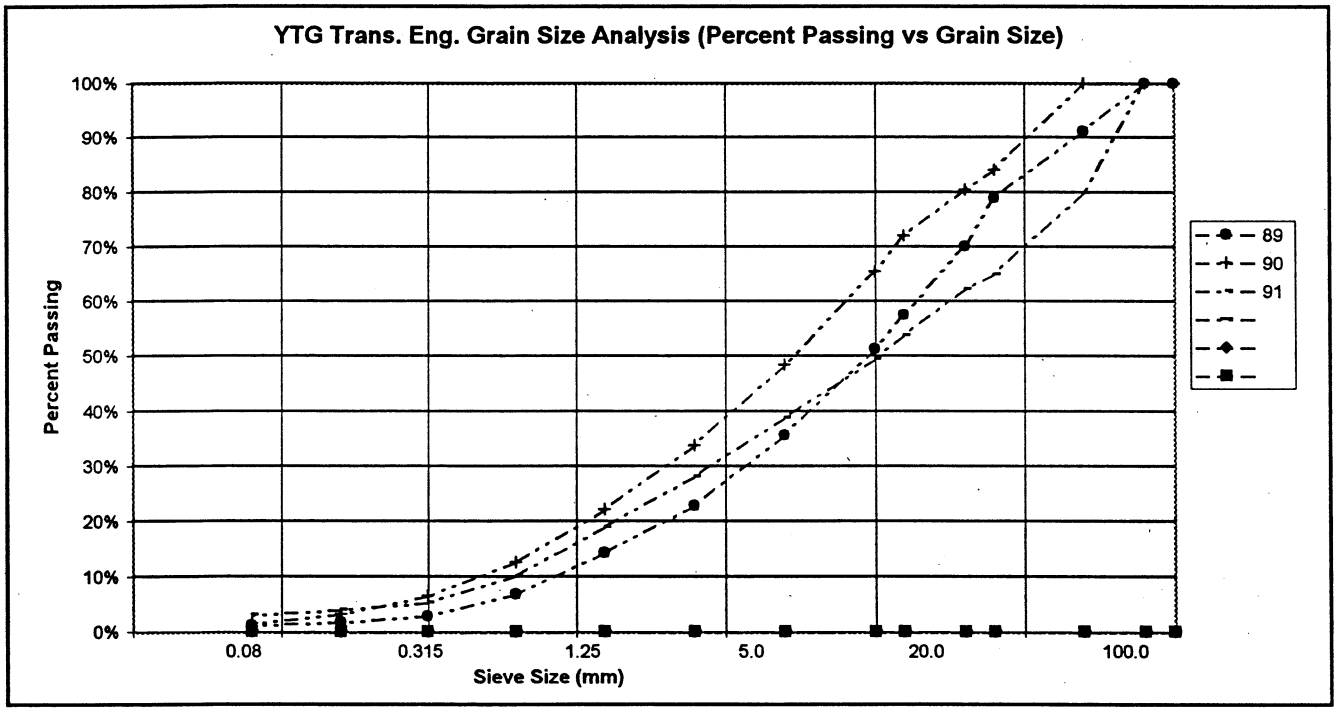
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2817
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/08

FIELD NO:	86	87	88			
LAB NO:	671	672	673			
DEPTH:	0.8-1.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	91%	87%	100%			
25.0	89%	62%	76%			
20.0	85%	59%	74%			
12.5	73%	50%	62%			
10.0	66%	45%	57%			
5.0	51%	33%	42%			
2.5	38%	25%	29%			
1.25	27%	18%	19%			
0.630	18%	12%	12%			
0.315	10%	6%	7%			
0.160	6%	4%	4%			
0.080	4%	3%	4%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	49	67	58			
% SAND:	47	30	38			
% FINES:	4	3	4			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2818
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/08

FIELD NO:	89	90	91			
LAB NO:	674	675	676			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	91%	100%	80%			
25.0	79%	84%	65%			
20.0	70%	80%	62%			
12.5	58%	72%	54%			
10.0	51%	65%	50%			
5.0	36%	48%	39%			
2.5	23%	34%	28%			
1.25	14%	22%	19%			
0.630	7%	13%	10%			
0.315	3%	6%	5%			
0.160	2%	3%	4%			
0.080	1%	1%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	64	52	61			
% SAND:	34	47	36			
% FINES:	1	1	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

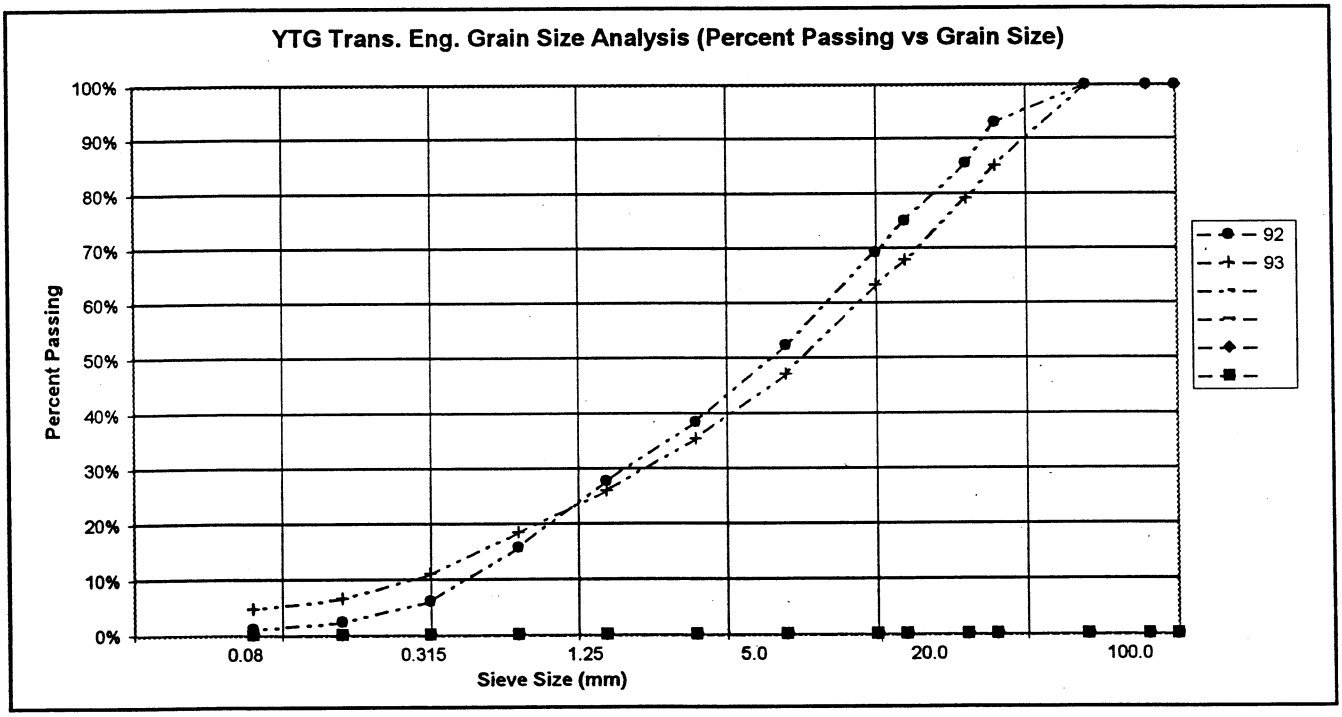


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 660-2819

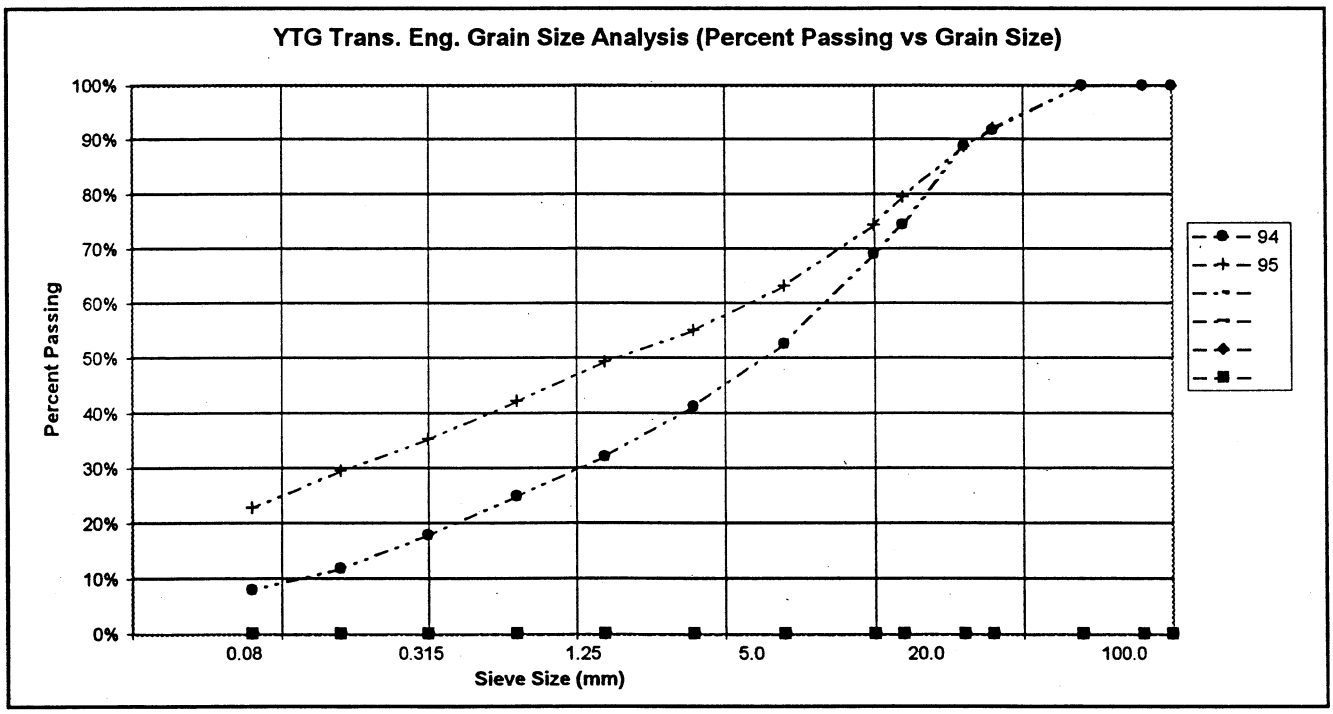
DATE COMP: 03/12/08

FIELD NO:	92	93				
LAB NO:	677	678				
DEPTH:	0.8-1.2	3.5-4.5				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	93%	85%				
20.0	86%	79%				
12.5	75%	68%				
10.0	69%	63%				
5.0	52%	47%				
2.5	38%	35%				
1.25	28%	26%				
0.630	16%	19%				
0.315	6%	11%				
0.160	2%	7%				
0.080	1%	5%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	48	53				
% SAND:	51	42				
% FINES:	1	5				
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED GRAVEL WITH SAND (GP)				



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 660-2820
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/08

FIELD NO:	94	95				
LAB NO:	679	680				
DEPTH:	0.4-0.8	2.0-3.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	92%	92%				
20.0	89%	89%				
12.5	74%	80%				
10.0	69%	74%				
5.0	53%	63%				
2.5	41%	55%				
1.25	32%	49%				
0.630	25%	42%				
0.315	18%	35%				
0.160	12%	30%				
0.080	8%	23%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	47	37				
% SAND:	45	40				
% FINES:	8	23				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)				

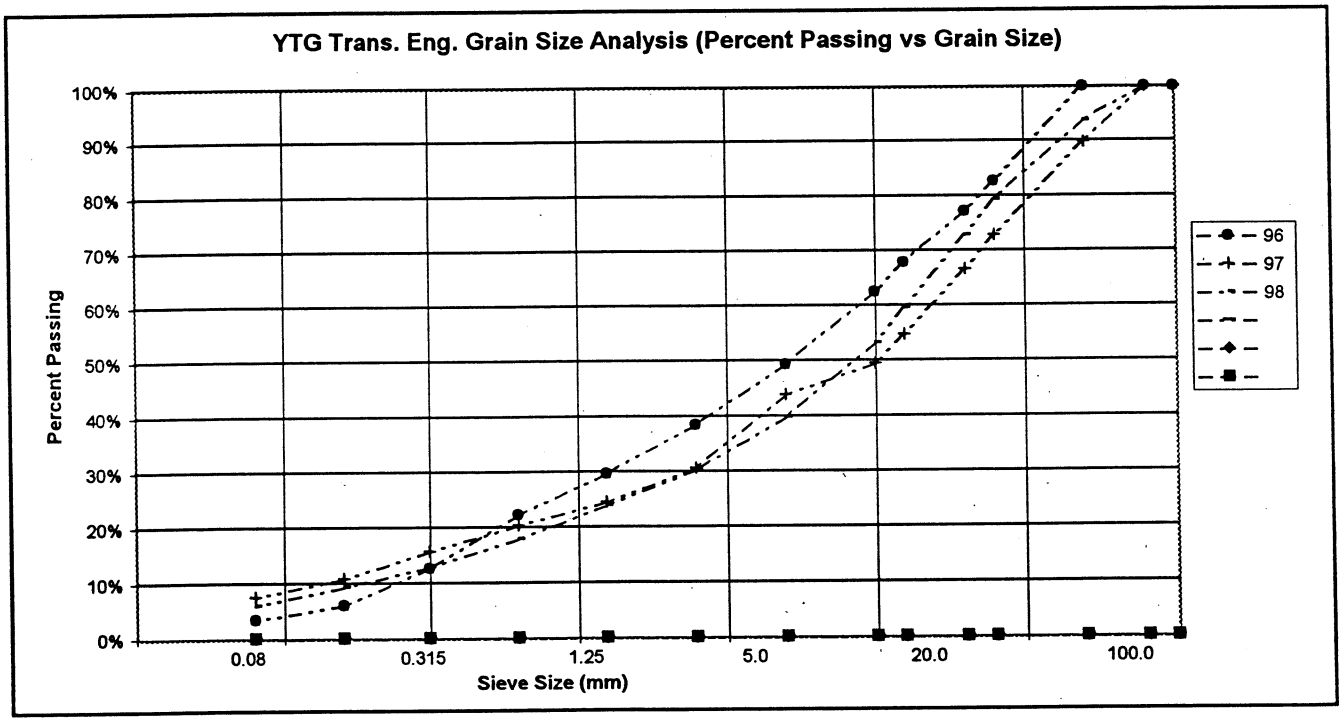


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 660-2821

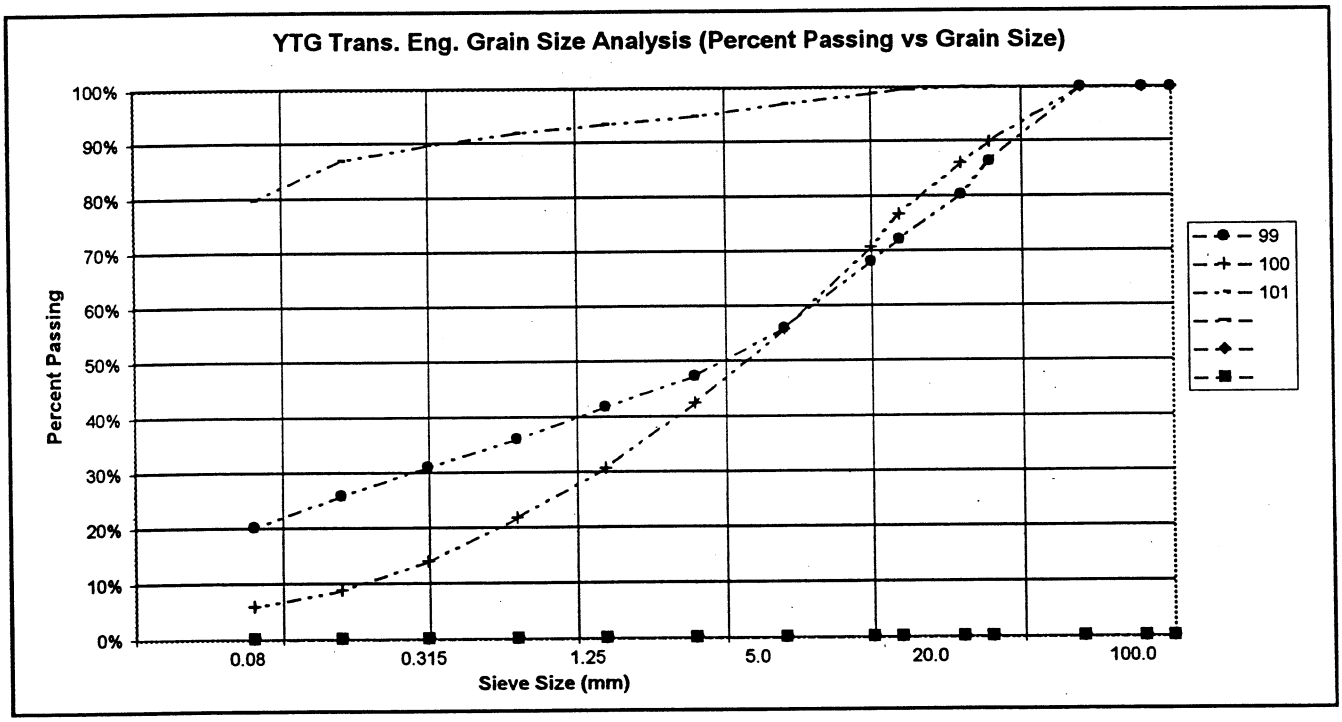
DATE COMP: 03/12/08

FIELD NO:	96	97	98			
LAB NO:	681	682	683			
DEPTH:	0.5-1.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	90%	94%			
25.0	83%	73%	79%			
20.0	77%	67%	73%			
12.5	68%	55%	60%			
10.0	62%	49%	53%			
5.0	49%	44%	40%			
2.5	38%	31%	30%			
1.25	30%	25%	24%			
0.630	22%	20%	18%			
0.315	13%	16%	13%			
0.160	6%	11%	9%			
0.080	3%	7%	6%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	51	56	60			
% SAND:	46	36	34			
% FINES:	3	7	6			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 660-2822
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/08

FIELD NO:	99	100	101			
LAB NO:	684	685	686			
DEPTH:	0.5-1.0	2.6-3.0	5.6-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	86%	90%	100%			
20.0	80%	86%	100%			
12.5	72%	77%	100%			
10.0	68%	71%	99%			
5.0	56%	56%	97%			
2.5	47%	42%	95%			
1.25	42%	31%	93%			
0.630	36%	22%	92%			
0.315	31%	14%	90%			
0.160	26%	9%	87%			
0.080	20%	6%	80%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	44	44	3			
% SAND:	36	50	17			
% FINES:	20	6	80			
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILT WITH SAND (ML)			

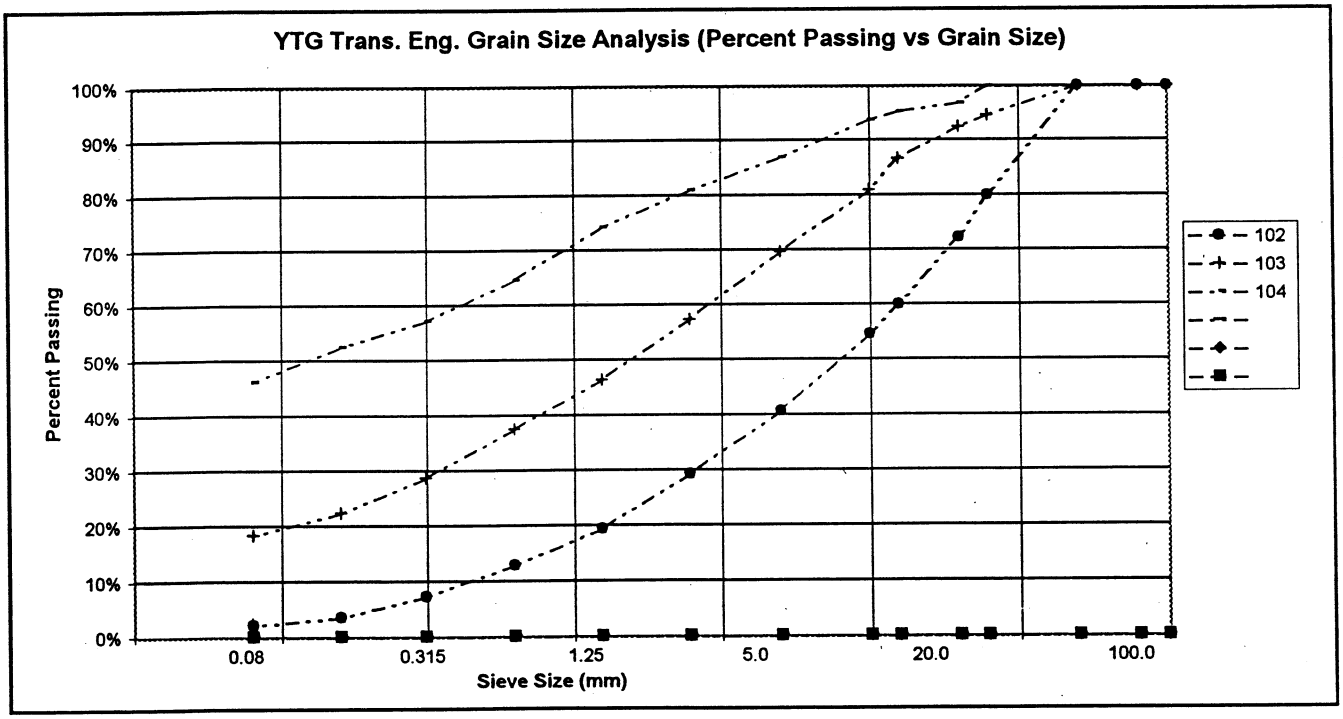


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 660-2823

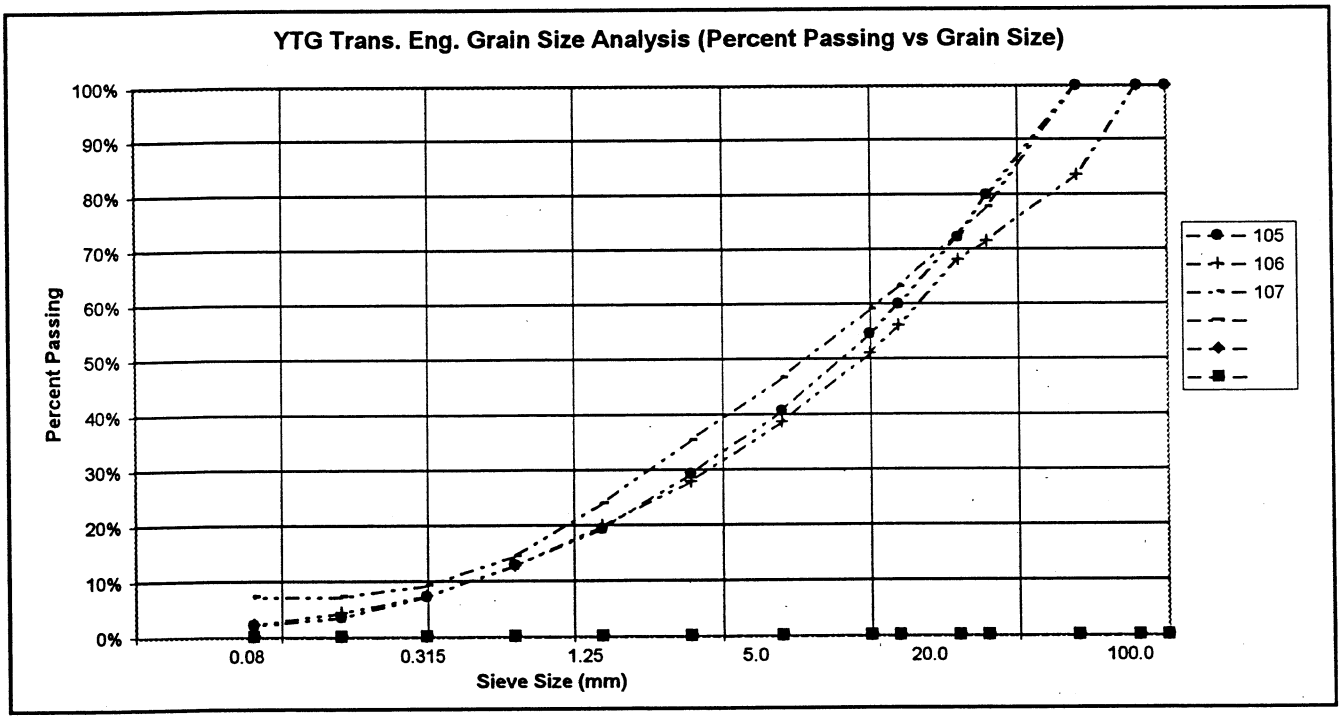
DATE COMP: 03/12/08

FIELD NO:	102	103	104			
LAB NO:	687	688	689			
DEPTH:	0.5-1.0	3.0-4.0	4.5-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	80%	95%	100%			
20.0	72%	92%	97%			
12.5	60%	87%	95%			
10.0	55%	81%	94%			
5.0	41%	70%	87%			
2.5	29%	57%	81%			
1.25	19%	46%	74%			
0.630	13%	38%	65%			
0.315	7%	29%	57%			
0.160	3%	22%	53%			
0.080	2%	18%	46%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	30	13			
% SAND:	39	51	41			
% FINES:	2	18	46			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 660-2824
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/08

FIELD NO:	105	106	107			
LAB NO:	690	691	692			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	84%	100%			
25.0	80%	72%	78%			
20.0	72%	68%	73%			
12.5	60%	56%	63%			
10.0	55%	51%	59%			
5.0	41%	39%	47%			
2.5	29%	28%	35%			
1.25	19%	20%	24%			
0.630	13%	13%	15%			
0.315	7%	7%	9%			
0.160	3%	4%	7%			
0.080	2%	2%	7%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	61	53			
% SAND:	39	36	39			
% FINES:	2	2	7			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			

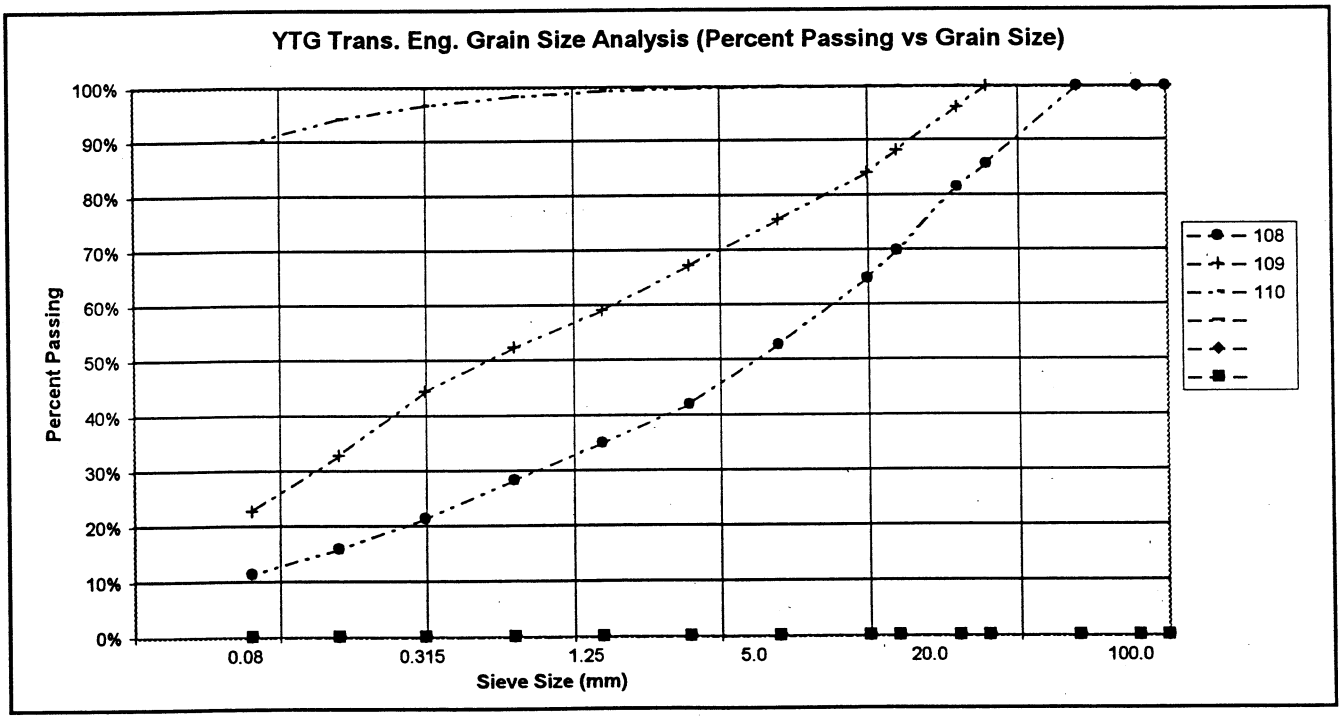


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 660-2825

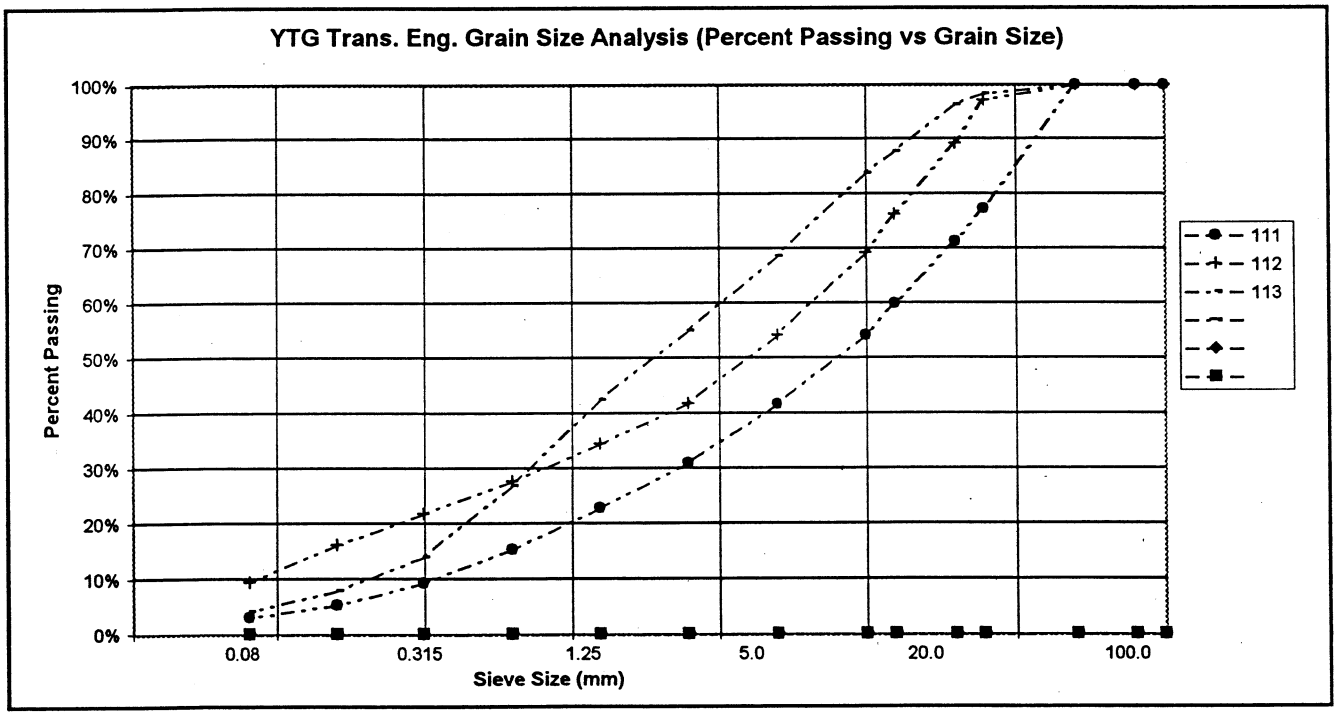
DATE COMP: 03/12/09

FIELD NO:	108	109	110			
LAB NO:	693	694	695			
DEPTH:	0.5-1.0	2.0-3.0	4.0-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	86%	100%	100%			
20.0	81%	96%	100%			
12.5	70%	88%	100%			
10.0	65%	84%	100%			
5.0	53%	75%	100%			
2.5	42%	67%	100%			
1.25	35%	59%	99%			
0.630	28%	52%	98%			
0.315	21%	44%	97%			
0.160	16%	33%	94%			
0.080	11%	23%	90%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	47	25	0			
% SAND:	41	53	10			
% FINES:	11	23	90			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)	SILT (ML)			



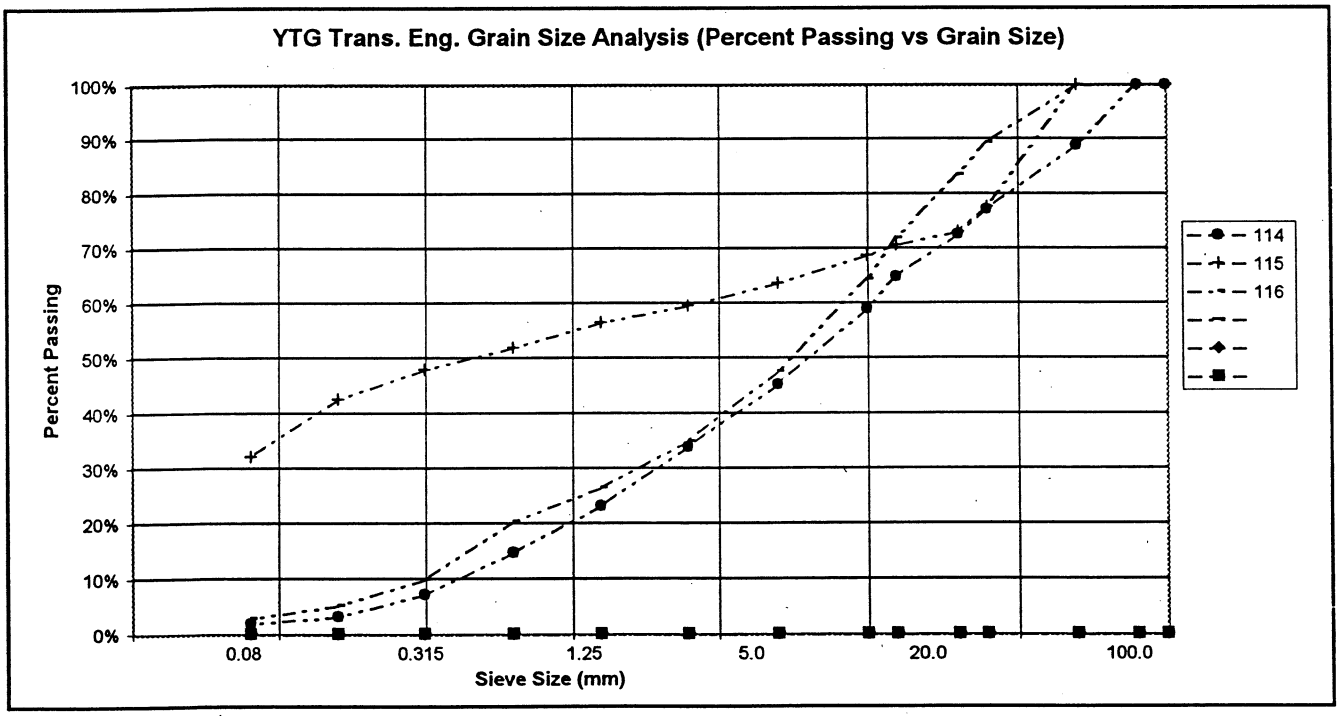
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2826
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/09

FIELD NO:	111	112	113			
LAB NO:	696	697	698			
DEPTH:	0.5-1.0	2.0-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	77%	97%	98%			
20.0	71%	89%	96%			
12.5	60%	76%	88%			
10.0	54%	69%	84%			
5.0	42%	54%	69%			
2.5	31%	42%	55%			
1.25	23%	34%	42%			
0.630	15%	28%	27%			
0.315	9%	22%	14%			
0.160	5%	16%	8%			
0.080	3%	9%	4%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	58	46	31			
% SAND:	39	45	65			
% FINES:	3	9	4			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH GRAVEL (SW)			



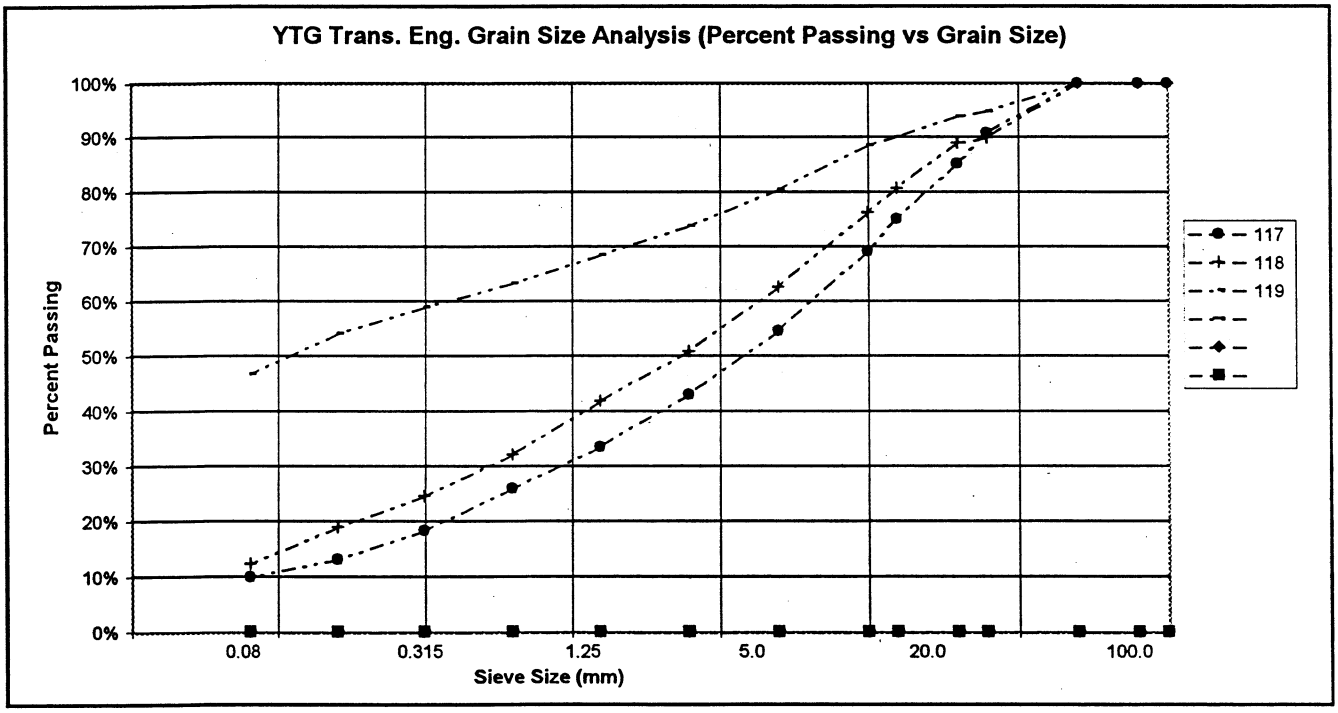
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2827
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/09

FIELD NO:	114	115	116			
LAB NO:	699	700	701			
DEPTH:	0.5-1.0	2.0-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	89%	100%	100%			
25.0	77%	78%	89%			
20.0	73%	73%	83%			
12.5	65%	71%	72%			
10.0	59%	69%	64%			
5.0	45%	64%	48%			
2.5	34%	60%	35%			
1.25	23%	56%	27%			
0.630	15%	52%	20%			
0.315	7%	48%	10%			
0.160	3%	43%	5%			
0.080	2%	32%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	55	36	52			
% SAND:	43	32	45			
% FINES:	2	32	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SAND (GP)			



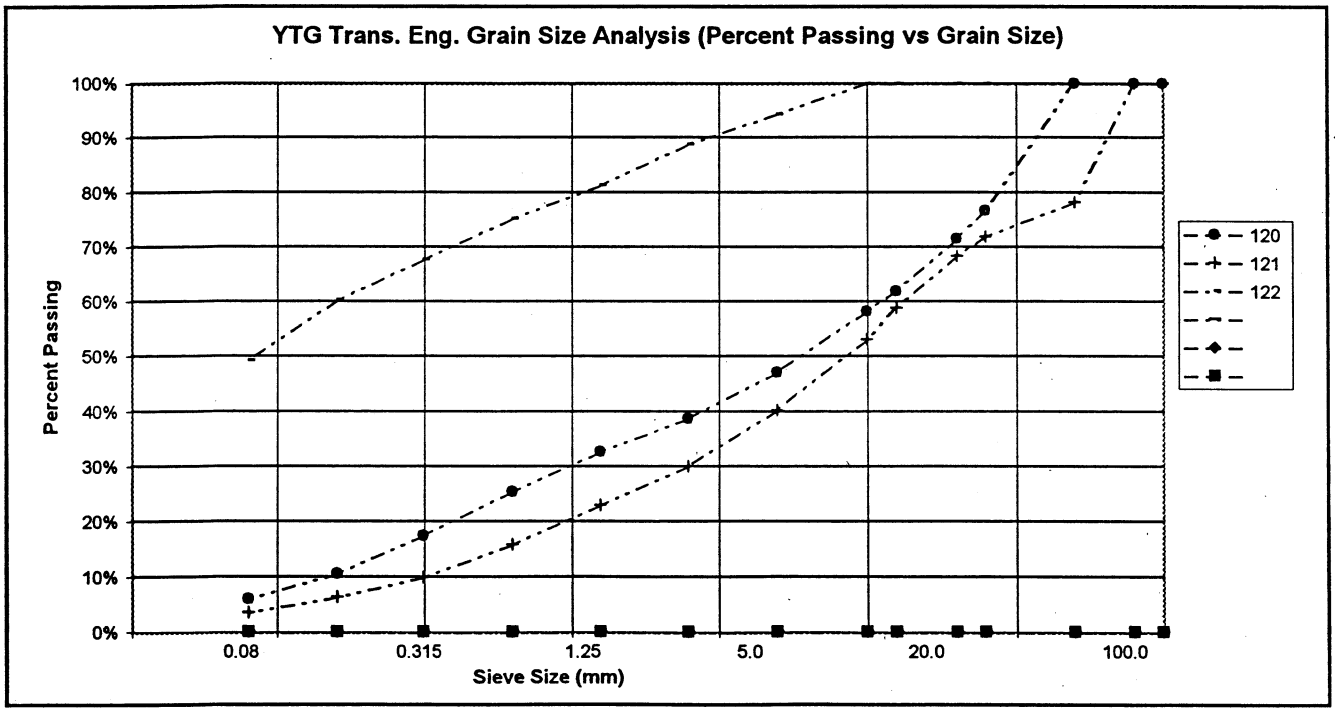
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2828
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/09

FIELD NO:	117	118	119			
LAB NO:	702	703	704			
DEPTH:	0.5-1.0	2.0-3.0	4.4-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	91%	90%	95%			
20.0	85%	89%	94%			
12.5	75%	81%	90%			
10.0	69%	76%	88%			
5.0	55%	63%	80%			
2.5	43%	51%	74%			
1.25	34%	42%	68%			
0.630	26%	32%	63%			
0.315	18%	25%	59%			
0.160	13%	19%	54%			
0.080	10%	12%	47%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	45	37	20			
% SAND:	45	50	34			
% FINES:	10	12	47			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			



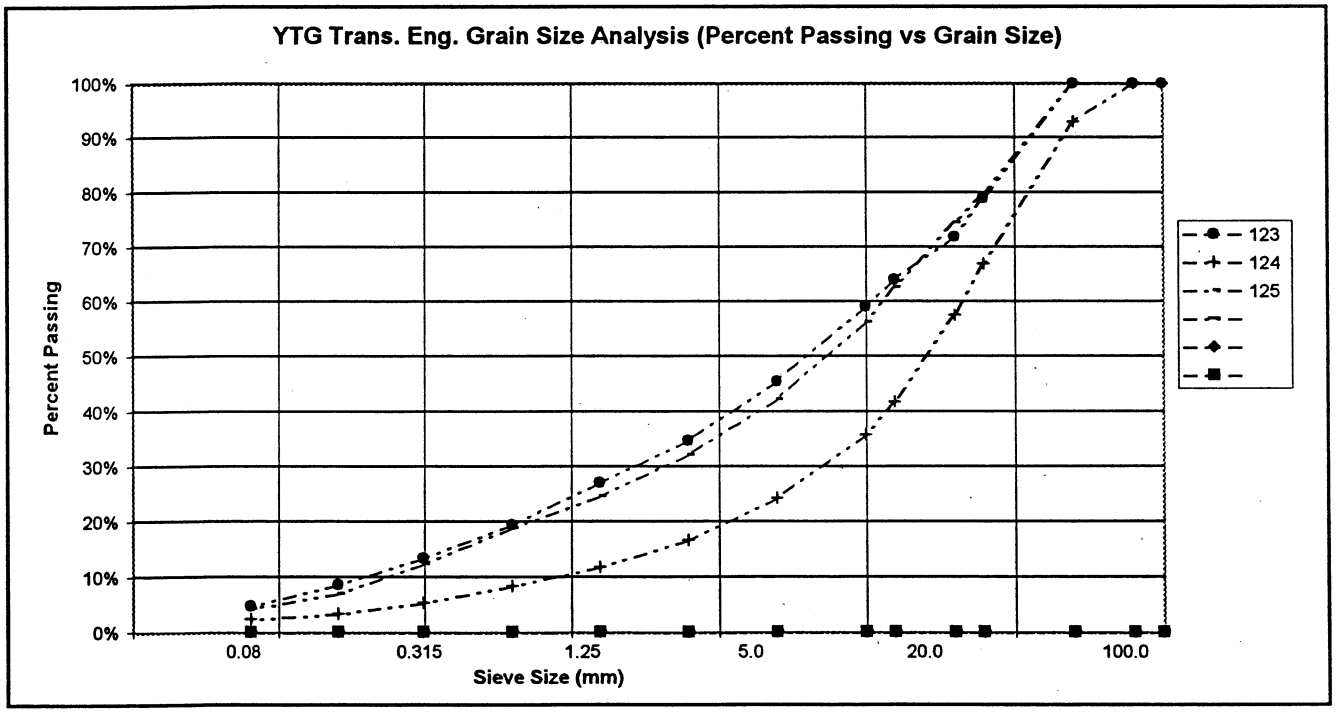
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 660-2829
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/09

FIELD NO:	120	121	122			
LAB NO:	705	706	707			
DEPTH:	0.8-1.2	2.5-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	78%	100%			
25.0	77%	72%	100%			
20.0	72%	68%	100%			
12.5	62%	59%	100%			
10.0	58%	53%	100%			
5.0	47%	40%	94%			
2.5	39%	30%	89%			
1.25	33%	23%	81%			
0.630	25%	16%	75%			
0.315	17%	10%	68%			
0.160	11%	6%	60%			
0.080	6%	3%	49%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	53	60	6			
% SAND:	41	37	45			
% FINES:	6	3	49			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND (SM)			



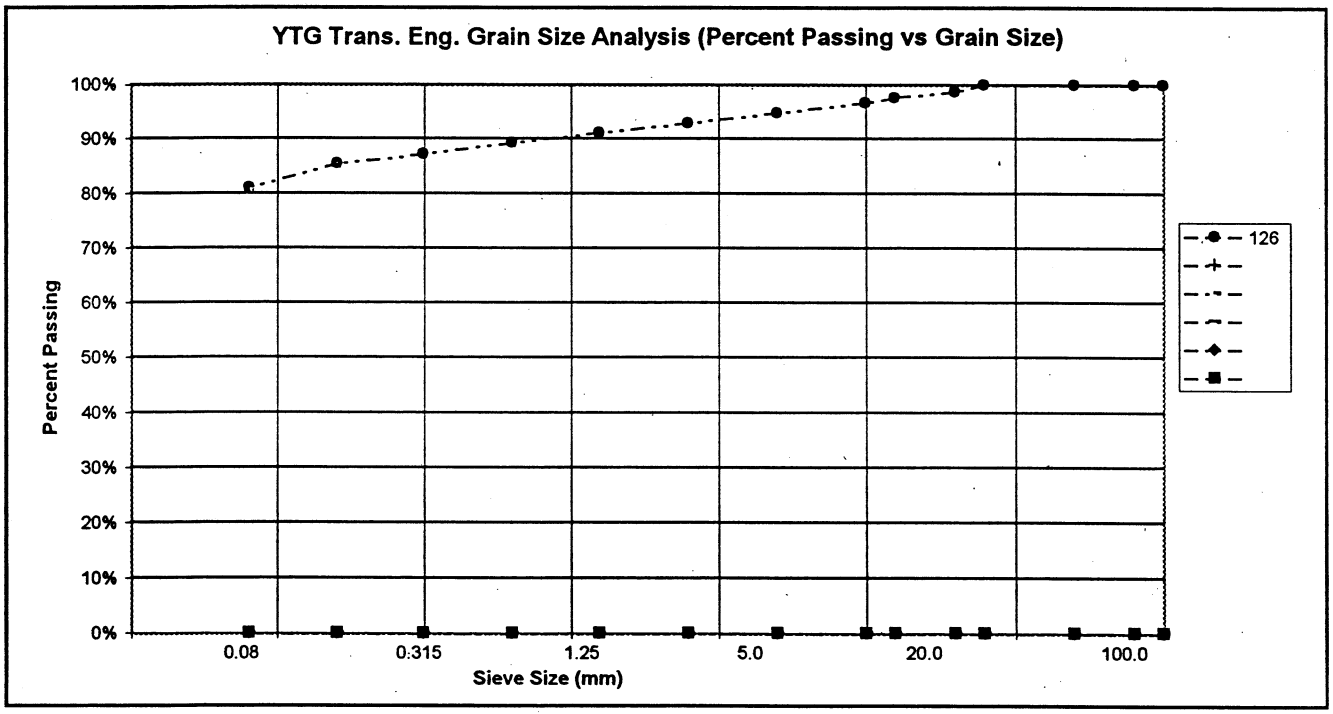
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 660-2830
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/09

FIELD NO:	123	124	125			
LAB NO:	708	709	710			
DEPTH:	0.5-1.0	2.0-3.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	93%	100%			
25.0	79%	67%	80%			
20.0	72%	58%	74%			
12.5	64%	42%	63%			
10.0	59%	36%	56%			
5.0	46%	24%	42%			
2.5	35%	17%	32%			
1.25	27%	12%	25%			
0.630	20%	8%	19%			
0.315	13%	5%	12%			
0.160	9%	3%	7%			
0.080	5%	2%	4%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	54	76	58			
% SAND:	41	22	38			
% FINES:	5	2	4			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



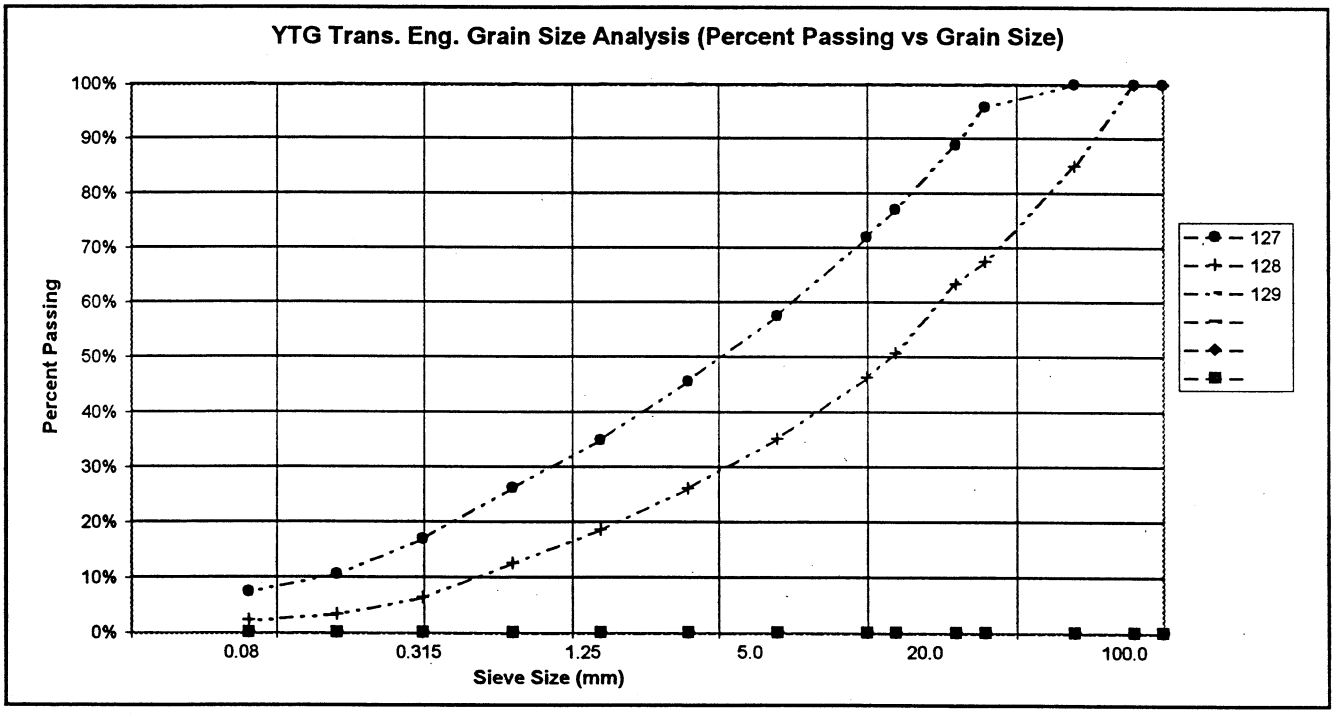
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2831
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/11

FIELD NO:	126					
LAB NO:	711					
DEPTH:	1.0-2.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	99%					
12.5	98%					
10.0	97%					
5.0	95%					
2.5	93%					
1.25	91%					
0.630	89%					
0.315	87%					
0.160	85%					
0.080	81%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	5					
% SAND:	14					
% FINES:	81					
CLASSIFICATION	SILT WITH SAND (ML)					



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2832
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/11

FIELD NO:	127	128	129			
LAB NO:	712	713	lost sample			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	85%	100%			
25.0	96%	67%	100%			
20.0	89%	63%	100%			
12.5	77%	51%	100%			
10.0	72%	46%	100%			
5.0	58%	35%	100%			
2.5	46%	26%	100%			
1.25	35%	19%	100%			
0.630	26%	13%	100%			
0.315	17%	6%	100%			
0.160	11%	3%	100%			
0.080	7%	2%	100%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	42	65	0			
% SAND:	50	33	0			
% FINES:	7	2	100			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	POORLY GRADED GRAVEL WITH SAND (GP)	SILT (ML)			

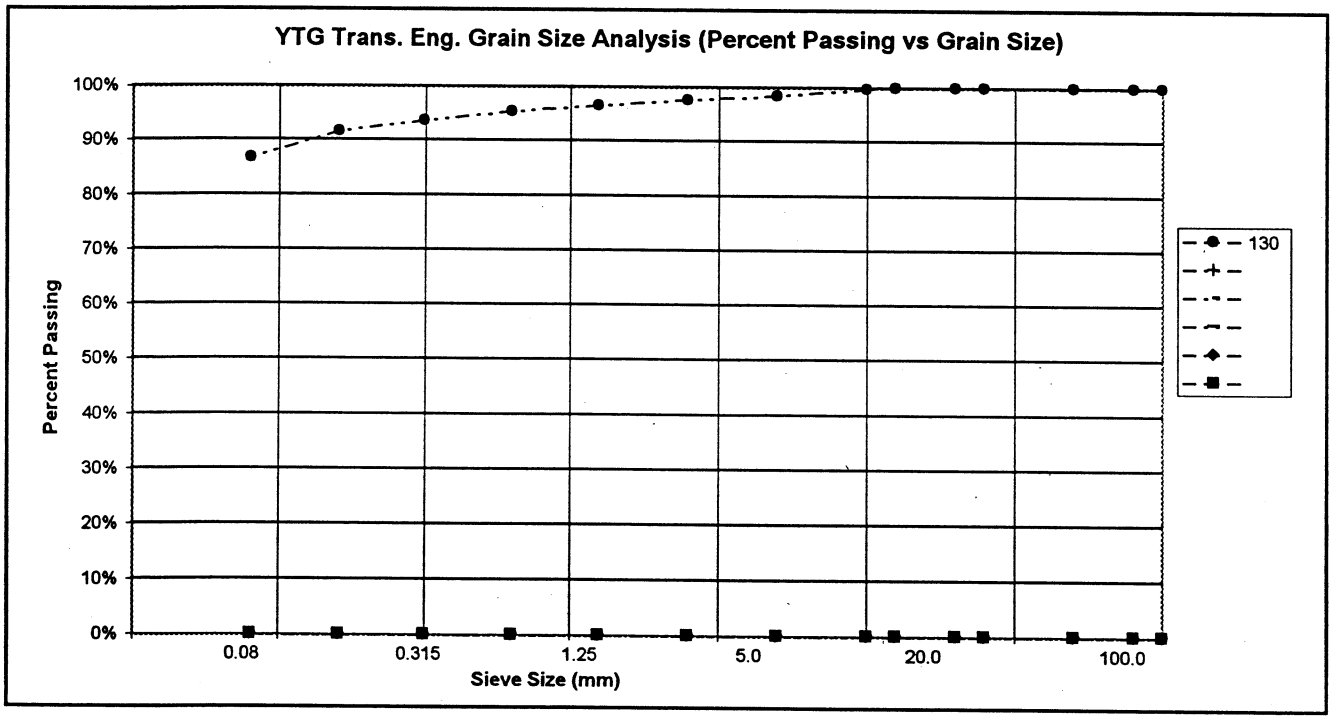


PROJECT NUMBER:	552-202101-0362-1
CLIENT:	Shakwak
PROJECT NAME:	Congdon Creek Granular Investigation
PROJECT LOCATION:	Km 1719.5 A/H
DRILL UNIT:	Komatsu PC- 400-LC
HOLE LOCATION:	See Plan / GPS
LOGGED BY:	G.C.

HOLE No.: 661-2833

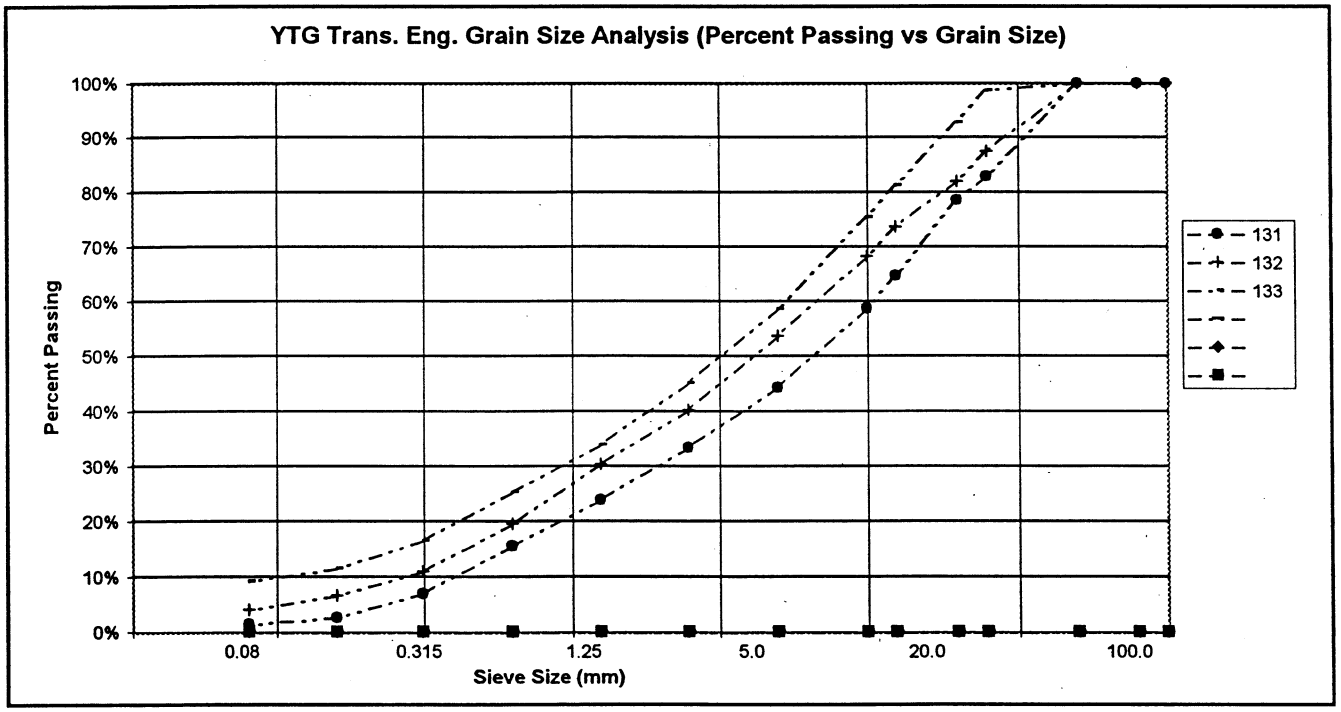
DATE COMP: 03/12/11

FIELD NO:	130					
LAB NO:	715					
DEPTH:	1.0-2.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	100%					
12.5	100%					
10.0	100%					
5.0	98%					
2.5	98%					
1.25	97%					
0.630	95%					
0.315	94%					
0.160	92%					
0.080	87%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	2					
% SAND:	12					
% FINES:	87					
CLASSIFICATION	SILT (ML)					



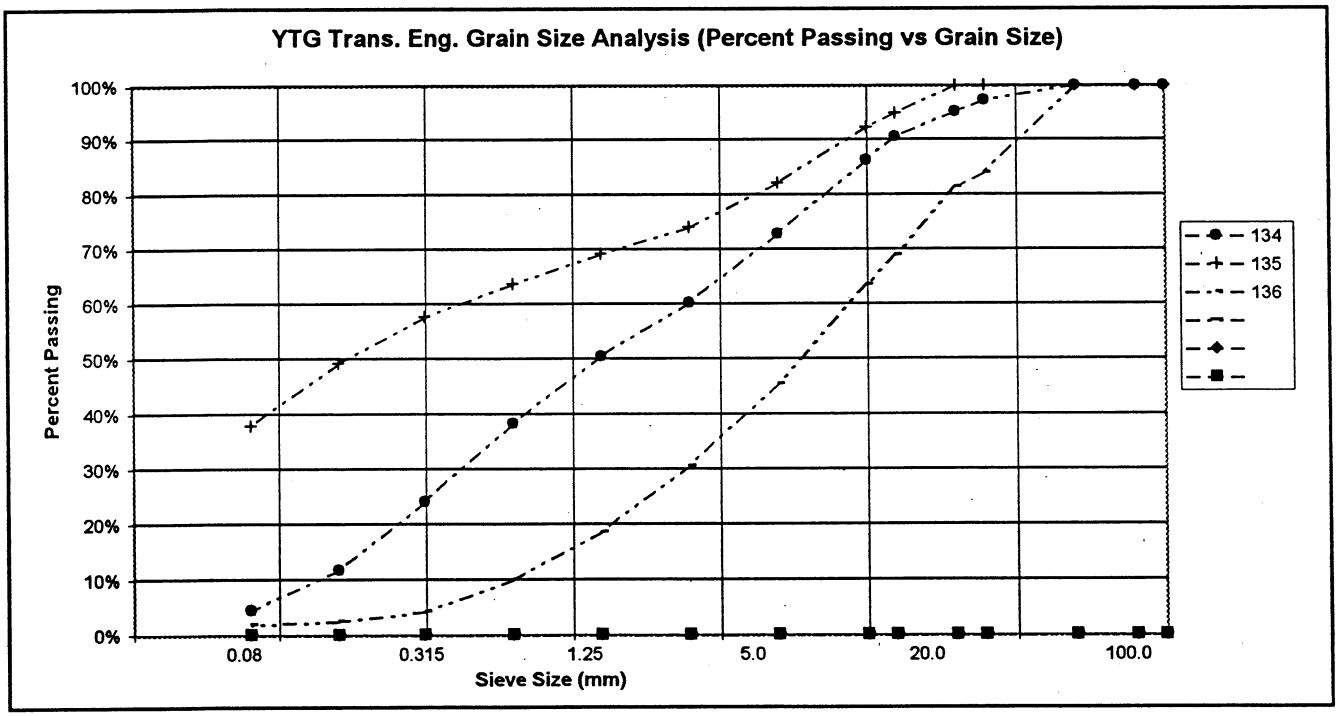
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2834
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/11

FIELD NO:	131	132	133			
LAB NO:	716	717	718			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	83%	87%	99%			
20.0	79%	82%	93%			
12.5	65%	74%	81%			
10.0	59%	68%	75%			
5.0	44%	54%	59%			
2.5	33%	40%	45%			
1.25	24%	30%	34%			
0.630	16%	20%	25%			
0.315	7%	11%	17%			
0.160	3%	7%	11%			
0.080	1%	4%	9%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	56	46	41			
% SAND:	43	50	49			
% FINES:	1	4	9			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	WELL-GRADED SAND WITH GRAVEL (SW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			



PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2835
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/11

FIELD NO:	134	135	136			
LAB NO:	719	720	721			
DEPTH:	0.8-1.2	2.6-3.0	4.0-5.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	97%	100%	84%			
20.0	95%	100%	81%			
12.5	91%	95%	69%			
10.0	86%	92%	64%			
5.0	73%	82%	46%			
2.5	60%	74%	31%			
1.25	51%	69%	19%			
0.630	38%	64%	10%			
0.315	24%	58%	4%			
0.160	12%	49%	2%			
0.080	4%	38%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	27	18	54			
% SAND:	68	44	44			
% FINES:	4	38	2			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED GRAVEL WITH SAND (GP)			

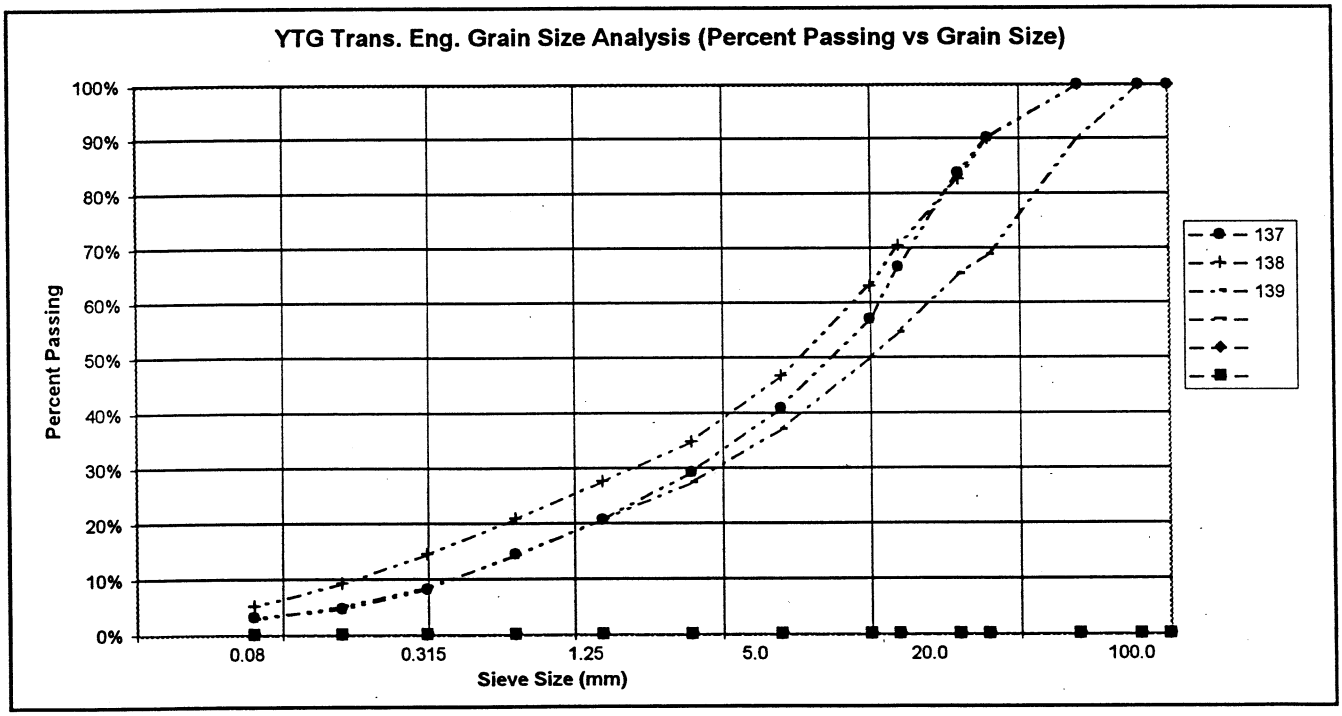


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 661-2836

DATE COMP: 03/12/11

FIELD NO:	137	138	139			
LAB NO:	722	723	724			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	90%			
25.0	90%	90%	69%			
20.0	84%	83%	65%			
12.5	67%	70%	55%			
10.0	57%	63%	50%			
5.0	41%	47%	37%			
2.5	29%	35%	27%			
1.25	21%	28%	21%			
0.630	15%	21%	14%			
0.315	8%	15%	9%			
0.160	5%	9%	5%			
0.080	3%	5%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	59	53	63			
% SAND:	38	42	34			
% FINES:	3	5	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SAND (GP)			

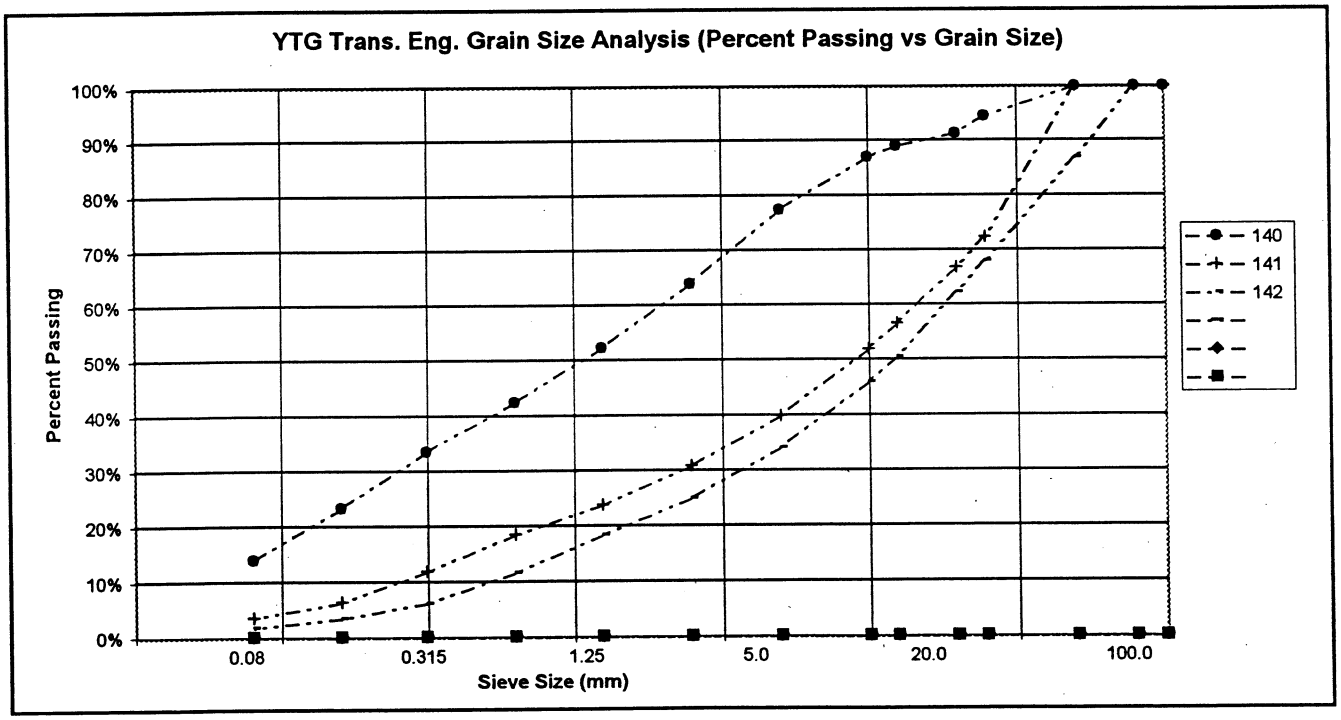


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 661-2837

DATE COMP: 03/12/12

FIELD NO:	140	141	142			
LAB NO:	725	726	727			
DEPTH:	0.5-1.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	87%			
25.0	94%	72%	68%			
20.0	91%	67%	62%			
12.5	89%	57%	50%			
10.0	87%	52%	46%			
5.0	77%	40%	34%			
2.5	64%	31%	25%			
1.25	52%	24%	18%			
0.630	42%	18%	12%			
0.315	34%	12%	6%			
0.160	23%	6%	3%			
0.080	14%	3%	2%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	23	60	66			
% SAND:	63	36	32			
% FINES:	14	3	2			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

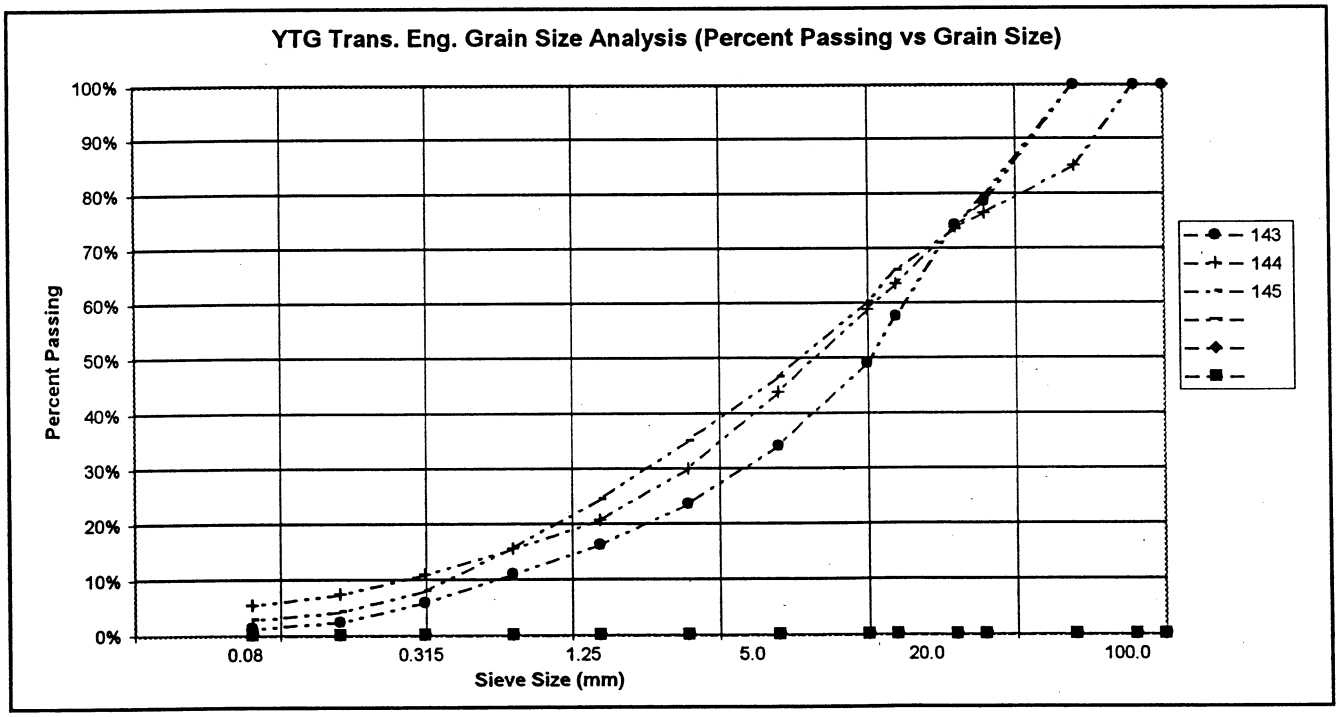


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 661-2838

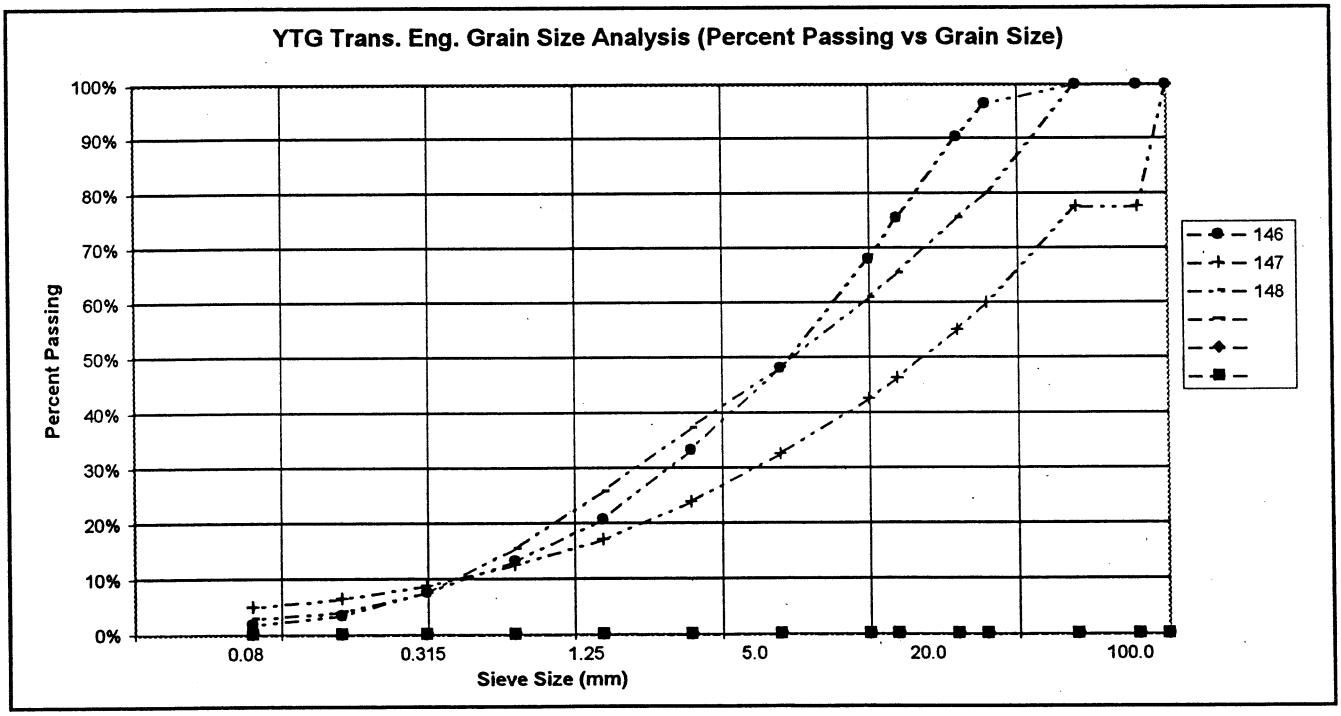
DATE COMP: 03/12/12

FIELD NO:	143	144	145			
LAB NO:	728	729	730			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	85%	100%			
25.0	79%	76%	80%			
20.0	74%	74%	73%			
12.5	58%	64%	66%			
10.0	49%	59%	60%			
5.0	34%	44%	47%			
2.5	24%	30%	35%			
1.25	16%	21%	24%			
0.630	11%	16%	16%			
0.315	6%	11%	8%			
0.160	2%	7%	4%			
0.080	1%	5%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	66	56	53			
% SAND:	33	38	44			
% FINES:	1	5	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SAND (GP)			



PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 661-2839
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/12

FIELD NO:	146	147	148			
LAB NO:	731	732	733			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	78%	100%			
50.0	100%	78%	100%			
25.0	96%	60%	80%			
20.0	90%	55%	76%			
12.5	76%	46%	65%			
10.0	68%	43%	61%			
5.0	48%	33%	48%			
2.5	33%	24%	37%			
1.25	21%	17%	26%			
0.630	13%	13%	15%			
0.315	8%	9%	8%			
0.160	3%	6%	4%			
0.080	2%	5%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	52	67	52			
% SAND:	46	28	45			
% FINES:	2	5	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

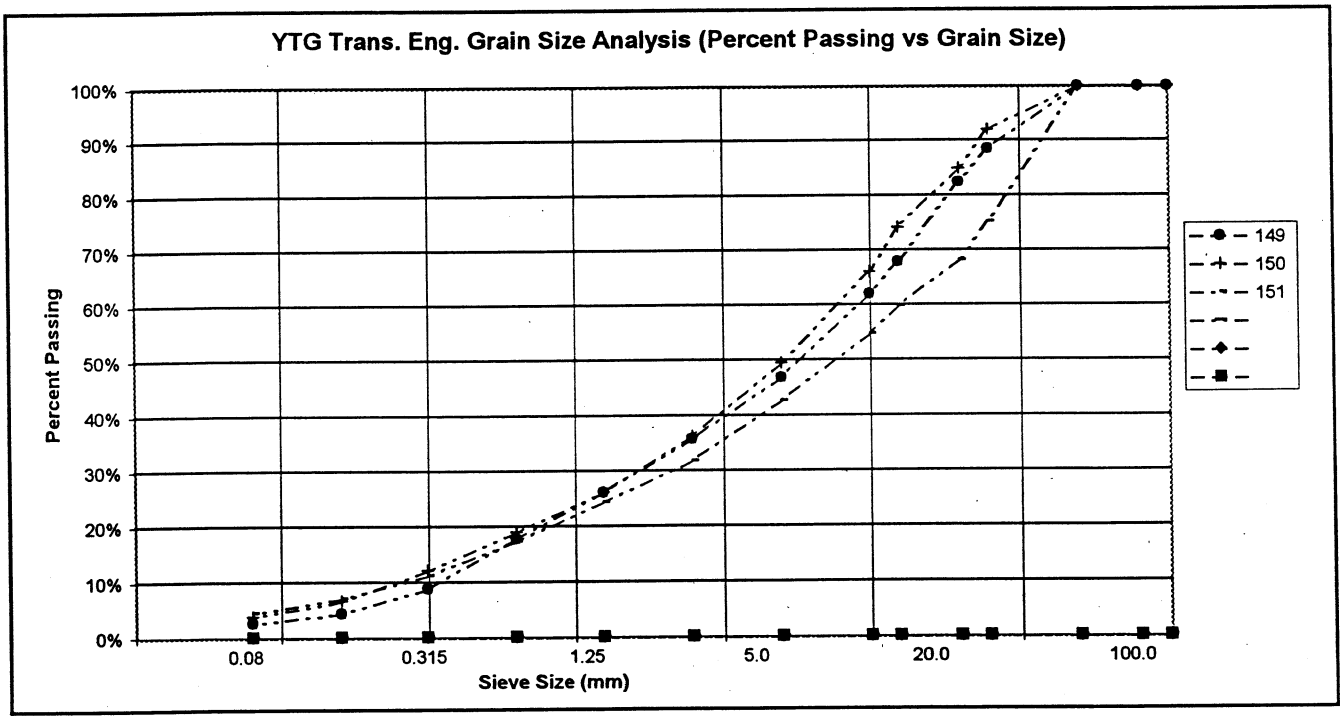


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 661-2840

DATE COMP: 03/12/12

FIELD NO:	149	150	151			
LAB NO:	734	735	736			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	89%	92%	75%			
20.0	82%	85%	68%			
12.5	68%	74%	60%			
10.0	62%	66%	55%			
5.0	47%	50%	43%			
2.5	36%	36%	32%			
1.25	26%	26%	24%			
0.630	18%	19%	17%			
0.315	9%	12%	11%			
0.160	4%	7%	7%			
0.080	3%	4%	5%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	53	50	57			
% SAND:	44	46	38			
% FINES:	3	4	5			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			

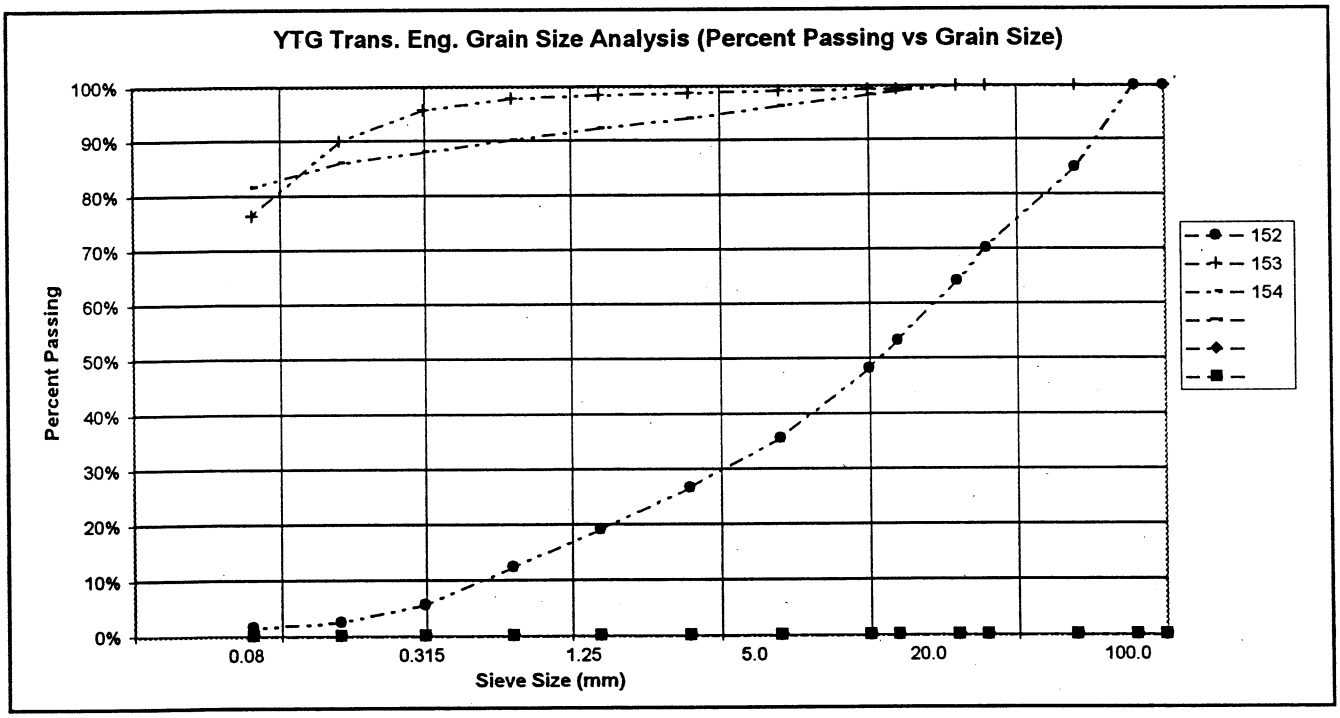


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 661-2841

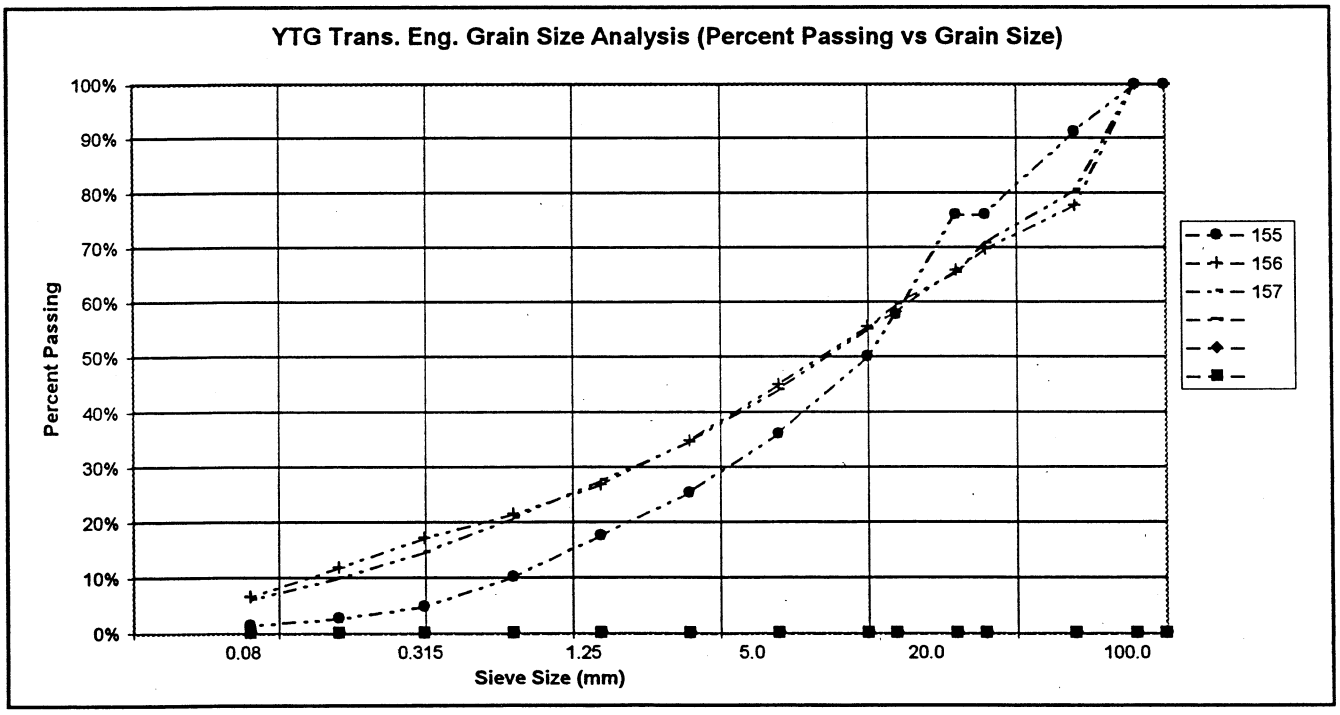
DATE COMP: 03/12/12

FIELD NO:	152	153	154			
LAB NO:	737	738	739			
DEPTH:	0.8-1.2	1.8-2.0	3.2-3.6			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	85%	100%	100%			
25.0	70%	100%	100%			
20.0	64%	100%	100%			
12.5	53%	99%	99%			
10.0	48%	99%	98%			
5.0	36%	99%	96%			
2.5	27%	99%	94%			
1.25	19%	98%	92%			
0.630	12%	98%	90%			
0.315	6%	96%	88%			
0.160	2%	90%	86%			
0.080	1%	76%	82%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	64	1	4			
% SAND:	34	23	15			
% FINES:	1	76	82			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SILT WITH SAND (ML)	SILT WITH SAND (ML)			



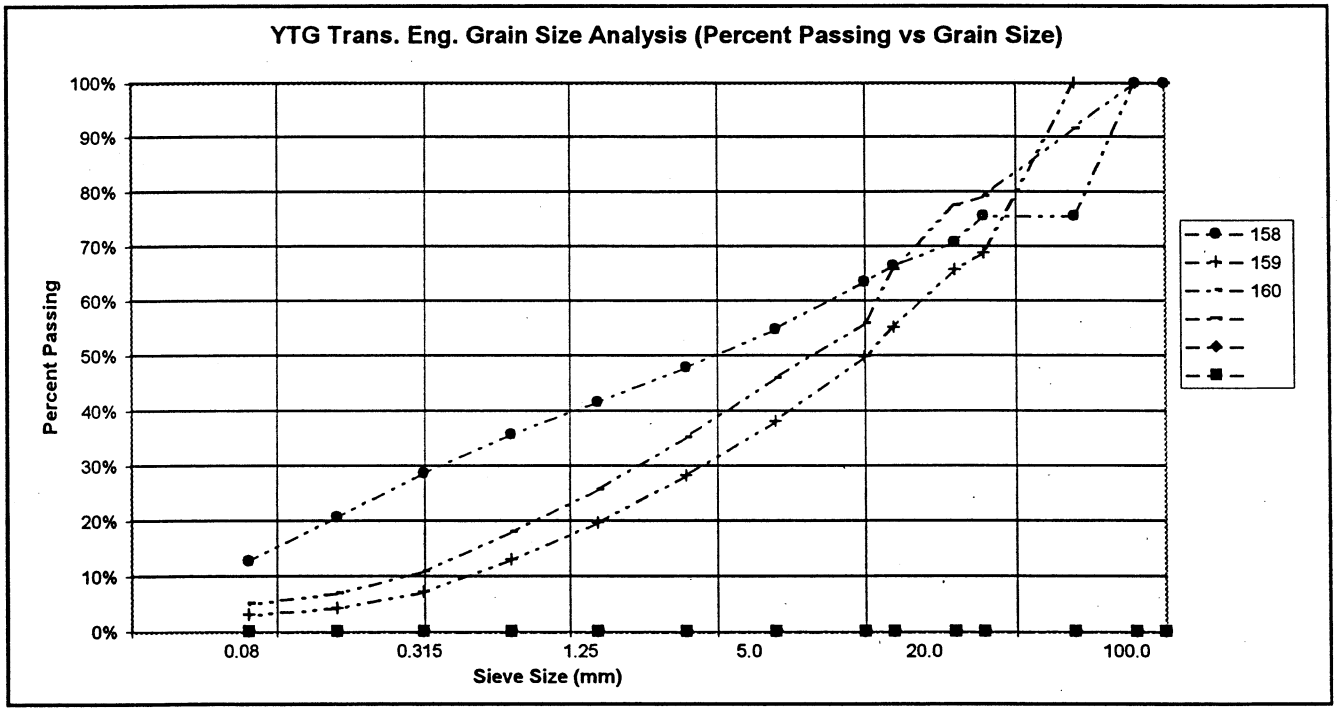
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 661-2842
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/12

FIELD NO:	155	156	157			
LAB NO:	740	741	742			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	91%	78%	81%			
25.0	76%	70%	71%			
20.0	76%	66%	65%			
12.5	58%	58%	60%			
10.0	50%	56%	55%			
5.0	36%	45%	44%			
2.5	25%	35%	35%			
1.25	18%	27%	28%			
0.630	10%	22%	21%			
0.315	5%	17%	15%			
0.160	3%	12%	10%			
0.080	1%	7%	6%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	64	55	56			
% SAND:	35	38	38			
% FINES:	1	7	6			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			



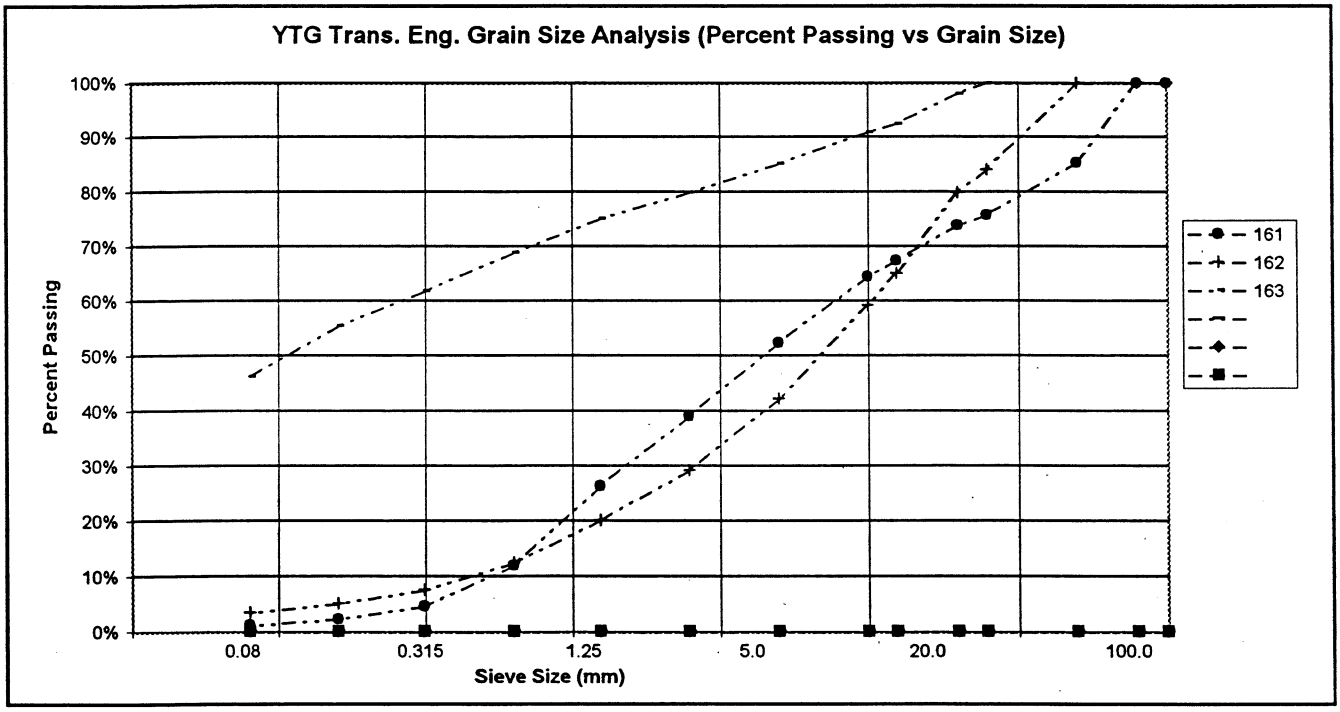
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2843
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/12

FIELD NO:	158	159	160			
LAB NO:	743	744	745			
DEPTH:	0.8-1.2	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	76%	100%	92%			
25.0	76%	69%	79%			
20.0	71%	66%	77%			
12.5	66%	55%	66%			
10.0	64%	50%	56%			
5.0	55%	38%	46%			
2.5	48%	28%	35%			
1.25	42%	20%	26%			
0.630	36%	13%	18%			
0.315	29%	7%	11%			
0.160	21%	4%	7%			
0.080	13%	3%	5%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	45	62	54			
% SAND:	42	35	41			
% FINES:	13	3	5			
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			



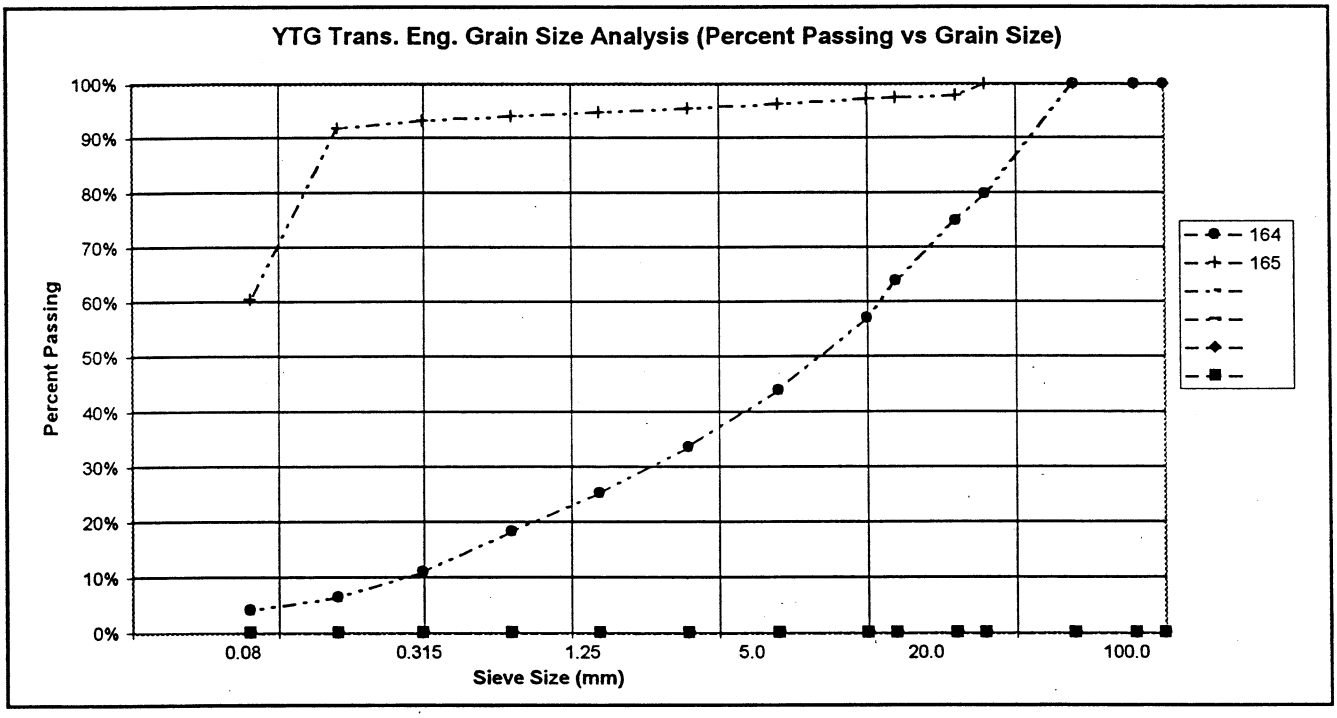
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 661-2844
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/12

FIELD NO:	161	162	163			
LAB NO:	746	747	748			
DEPTH:	0.8-1.2	3.0-4.0	4.2-4.6			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	85%	100%	100%			
25.0	76%	84%	100%			
20.0	74%	80%	98%			
12.5	67%	65%	92%			
10.0	65%	59%	91%			
5.0	52%	42%	85%			
2.5	39%	29%	80%			
1.25	26%	20%	75%			
0.630	12%	12%	69%			
0.315	5%	7%	62%			
0.160	2%	5%	56%			
0.080	1%	3%	46%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	48	58	15			
% SAND:	51	39	39			
% FINES:	1	3	46			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED GRAVEL WITH SAND (GP)	SILTY SAND (SM)			



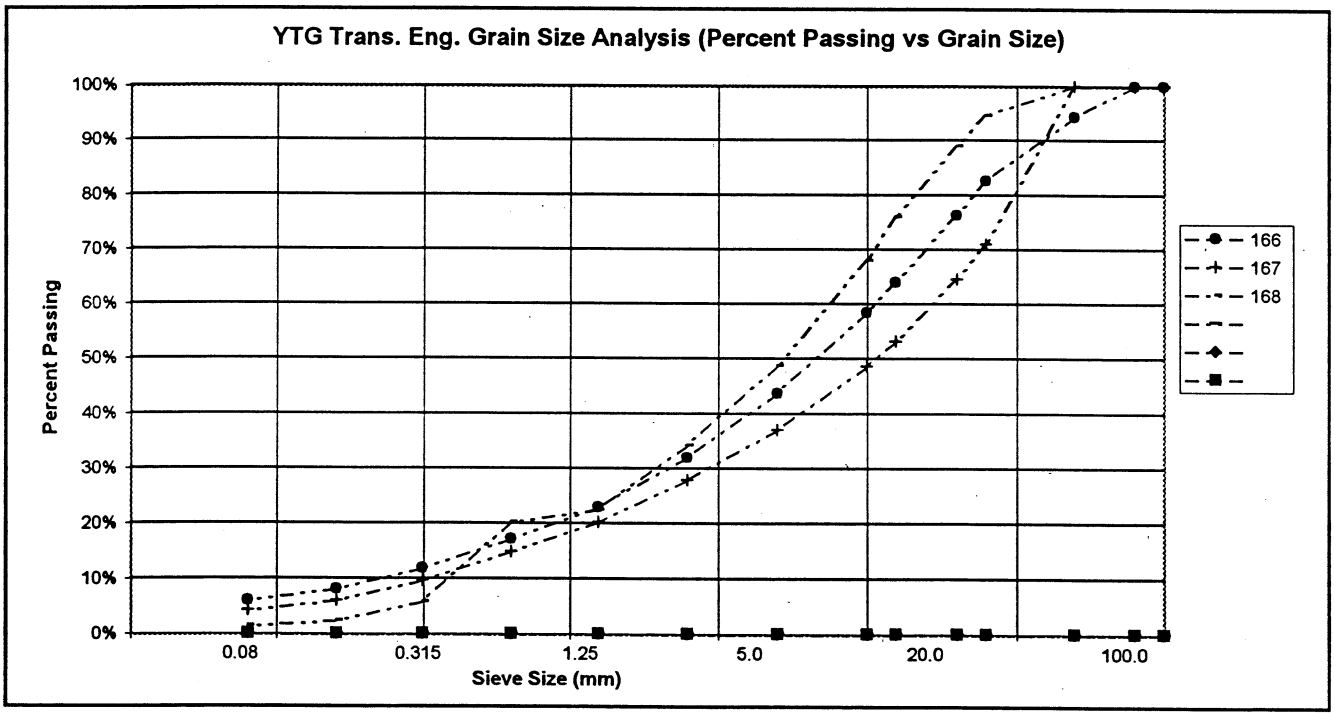
PROJECT NUMBER:	552-202101-0362-1		HOLE No.: 661-2845
CLIENT:	Shakwak		
PROJECT NAME:	Congdon Creek Granular Investigation		
PROJECT LOCATION:	Km 1719.5 A/H		
DRILL UNIT:	Komatsu PC- 400-LC		
HOLE LOCATION:	See Plan / GPS		
LOGGED BY:	G.C.		DATE COMP: 03/12/12

FIELD NO:	164	165				
LAB NO:	749	750				
DEPTH:	0.4-0.8	3.0-4.0				
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING				
100.0	100%	100%				
80.0	100%	100%				
50.0	100%	100%				
25.0	80%	100%				
20.0	75%	98%				
12.5	64%	98%				
10.0	57%	97%				
5.0	44%	96%				
2.5	34%	96%				
1.25	25%	95%				
0.630	18%	94%				
0.315	11%	93%				
0.160	6%	92%				
0.080	4%	60%				
M.C.(%):						
LIQUID LIMIT:	0.0	0.0				
PLASTIC LIMIT:	0.0	0.0				
PLASTIC INDEX.:	0.0	0.0				
% GRAVEL:	56	4				
% SAND:	40	36				
% FINES:	4	60				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SAND (GP)	SANDY SILT (ML)				



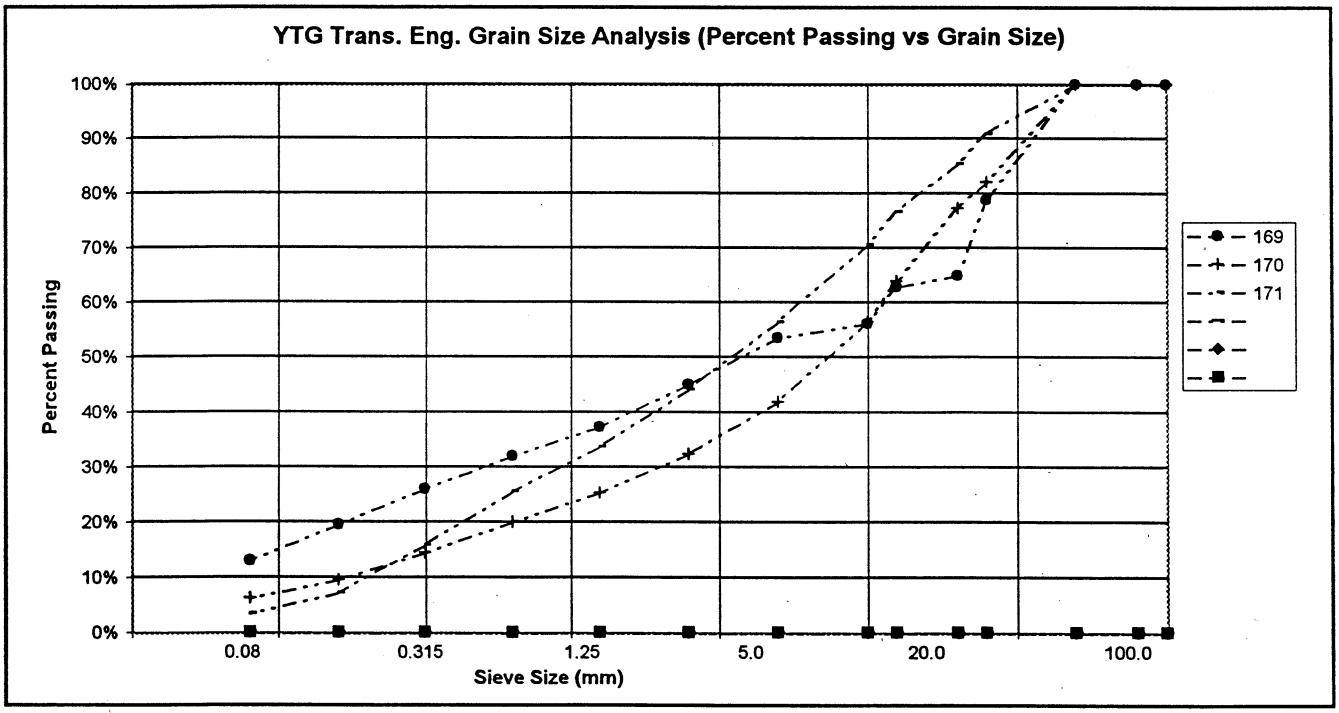
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 662-2846
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/13

FIELD NO:	166	167	168			
LAB NO:	751	752	753			
DEPTH:	1.4-2.0	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	94%	100%	100%			
25.0	83%	71%	95%			
20.0	76%	65%	89%			
12.5	64%	53%	76%			
10.0	59%	49%	68%			
5.0	44%	37%	49%			
2.5	32%	28%	34%			
1.25	23%	20%	23%			
0.630	17%	15%	20%			
0.315	12%	10%	6%			
0.160	8%	6%	2%			
0.080	6%	4%	1%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	56	63	51			
% SAND:	38	33	47			
% FINES:	6	4	1			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SAND (GP)	POORLY GRADED GRAVEL WITH SAND (GP)			



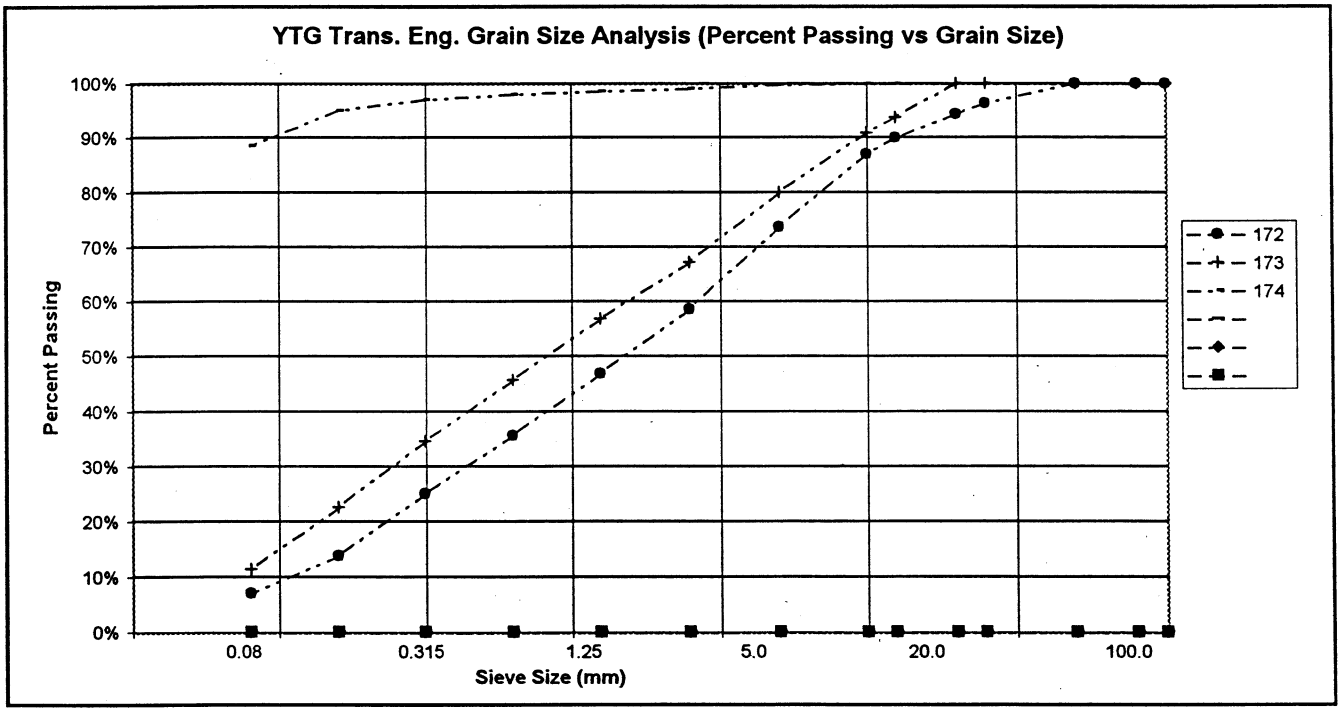
PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 662-2847
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/13

FIELD NO:	169	170	171			
LAB NO:	754	755	756			
DEPTH:	1.2-1.6	3.0-4.0	5.0-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	79%	82%	91%			
20.0	65%	77%	85%			
12.5	63%	64%	77%			
10.0	56%	56%	71%			
5.0	54%	42%	56%			
2.5	45%	32%	44%			
1.25	37%	25%	34%			
0.630	32%	20%	26%			
0.315	26%	14%	16%			
0.160	20%	10%	7%			
0.080	13%	6%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	46	58	44			
% SAND:	41	36	53			
% FINES:	13	6	3			
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH GRAVEL (SW)			



PROJECT NUMBER:	552-202101-0362-1	HOLE No.: 662-2848
CLIENT:	Shakwak	
PROJECT NAME:	Congdon Creek Granular Investigation	
PROJECT LOCATION:	Km 1719.5 A/H	
DRILL UNIT:	Komatsu PC- 400-LC	
HOLE LOCATION:	See Plan / GPS	
LOGGED BY:	G.C.	DATE COMP: 03/12/13

FIELD NO:	172	173	174			
LAB NO:	757	758	759			
DEPTH:	1.0-2.0	3.0-4.0	5.6-6.0			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	96%	100%	100%			
20.0	94%	100%	100%			
12.5	90%	94%	100%			
10.0	87%	91%	100%			
5.0	74%	80%	100%			
2.5	59%	67%	99%			
1.25	47%	57%	99%			
0.630	36%	46%	98%			
0.315	25%	35%	97%			
0.160	14%	23%	95%			
0.080	7%	11%	88%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	26	20	0			
% SAND:	67	69	11			
% FINES:	7	11	88			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILT (ML)			

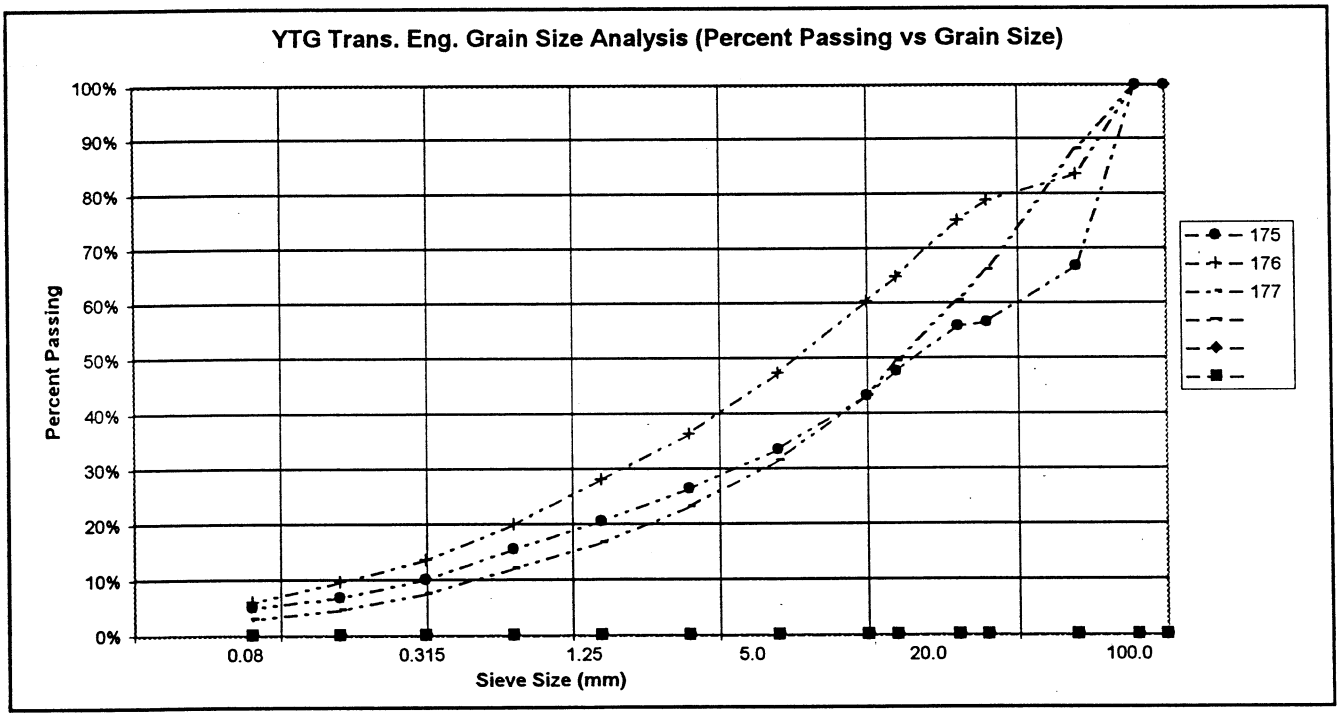


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 662-2849

DATE COMP: 03/12/13

FIELD NO:	175	176	177			
LAB NO:	760	761	762			
DEPTH:	2.0-2.5	4.0-5.0	6.0-6.5			
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	67%	84%	88%			
25.0	57%	79%	66%			
20.0	56%	75%	60%			
12.5	48%	65%	49%			
10.0	43%	60%	43%			
5.0	34%	47%	31%			
2.5	27%	36%	23%			
1.25	21%	28%	17%			
0.630	16%	20%	12%			
0.315	10%	14%	8%			
0.160	7%	10%	5%			
0.080	5%	6%	3%			
M.C.(%):						
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	66	53	69			
% SAND:	29	41	29			
% FINES:	5	6	3			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SAND (GP)			

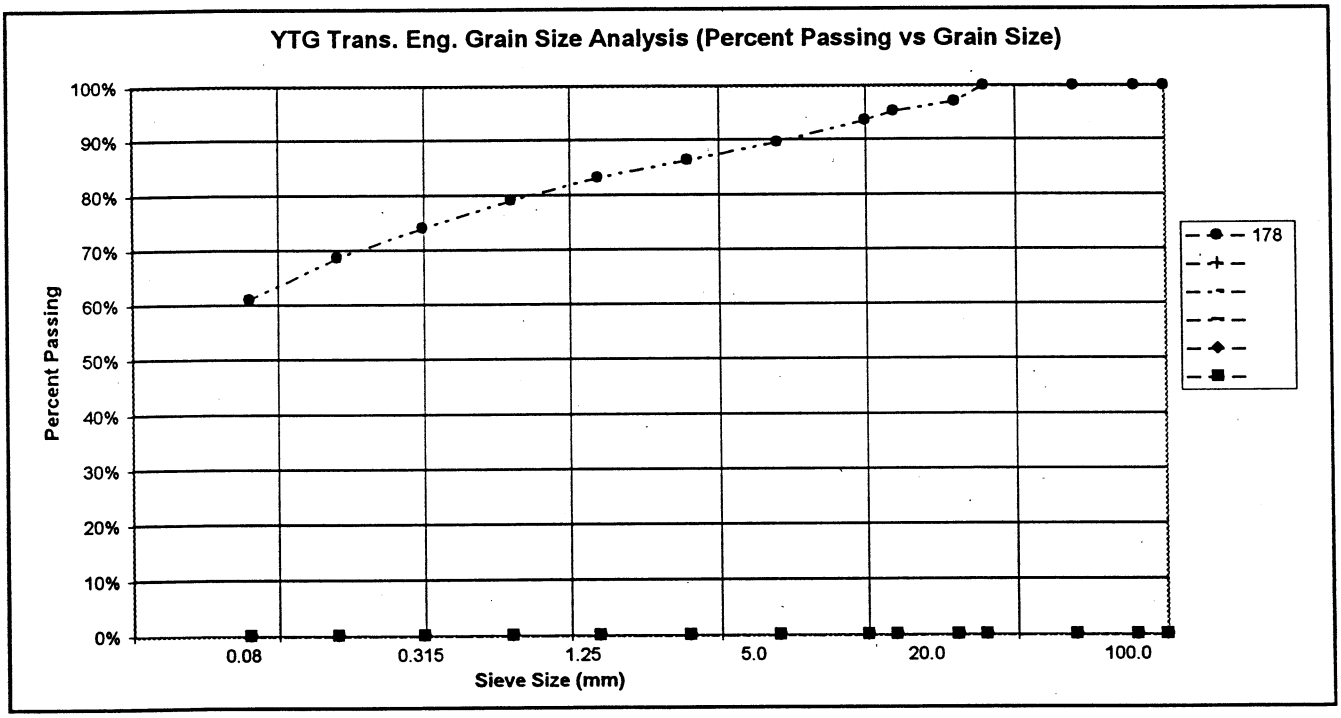


PROJECT NUMBER: 552-202101-0362-1
CLIENT: Shakwak
PROJECT NAME: Congdon Creek Granular Investigation
PROJECT LOCATION: Km 1719.5 A/H
DRILL UNIT: Komatsu PC- 400-LC
HOLE LOCATION: See Plan / GPS
LOGGED BY: G.C.

HOLE No.: 662-2850

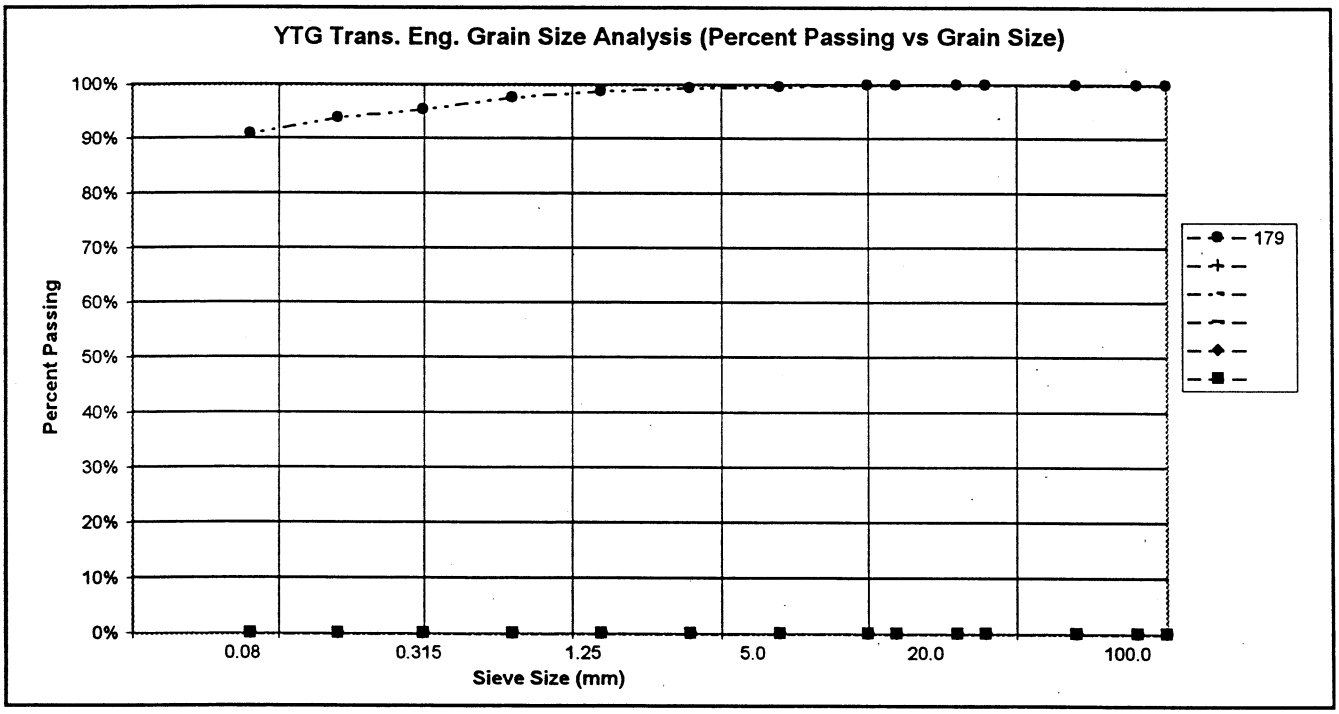
DATE COMP: 03/12/13

FIELD NO:	178					
LAB NO:	763					
DEPTH:	2.0-3.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	97%					
12.5	95%					
10.0	94%					
5.0	90%					
2.5	86%					
1.25	83%					
0.630	79%					
0.315	74%					
0.160	69%					
0.080	61%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	10					
% SAND:	29					
% FINES:	61					
CLASSIFICATION	SANDY SILT (ML)					



PROJECT NUMBER:	552-202101-0362-1				HOLE No.: 662-2851	
CLIENT:	Shakwak					
PROJECT NAME:	Congdon Creek Granular Investigation					
PROJECT LOCATION:	Km 1719.5 A/H					
DRILL UNIT:	Komatsu PC- 400-LC					
HOLE LOCATION:	See Plan / GPS					
LOGGED BY:	G.C.				DATE COMP: 03/12/13	

FIELD NO:	179					
LAB NO:	764					
DEPTH:	2.0-3.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	100%					
12.5	100%					
10.0	100%					
5.0	100%					
2.5	99%					
1.25	99%					
0.630	98%					
0.315	95%					
0.160	94%					
0.080	91%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	0					
% SAND:	9					
% FINES:	91					
CLASSIFICATION	SILT (ML)					



PROJECT NUMBER:	552-202101-0362-1
CLIENT:	Shakwak
PROJECT NAME:	Congdon Creek Granular Investigation
PROJECT LOCATION:	Km 1719.5 A/H
DRILL UNIT:	Komatsu PC- 400-LC
HOLE LOCATION:	See Plan / GPS
LOGGED BY:	G.C.

HOLE No.: 662-2852

DATE COMP: 03/12/13

FIELD NO:	180					
LAB NO:	765					
DEPTH:	1.0-2.0					
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING					
100.0	100%					
80.0	100%					
50.0	100%					
25.0	100%					
20.0	100%					
12.5	98%					
10.0	97%					
5.0	93%					
2.5	90%					
1.25	88%					
0.630	85%					
0.315	81%					
0.160	77%					
0.080	72%					
M.C.(%):						
LIQUID LIMIT:	0.0					
PLASTIC LIMIT:	0.0					
PLASTIC INDEX.:	0.0					
% GRAVEL:	7					
% SAND:	21					
% FINES:	72					
CLASSIFICATION	SILT WITH SAND (ML)					

