

GEOTECHNICAL REPORT

FREEGOLD ROAD

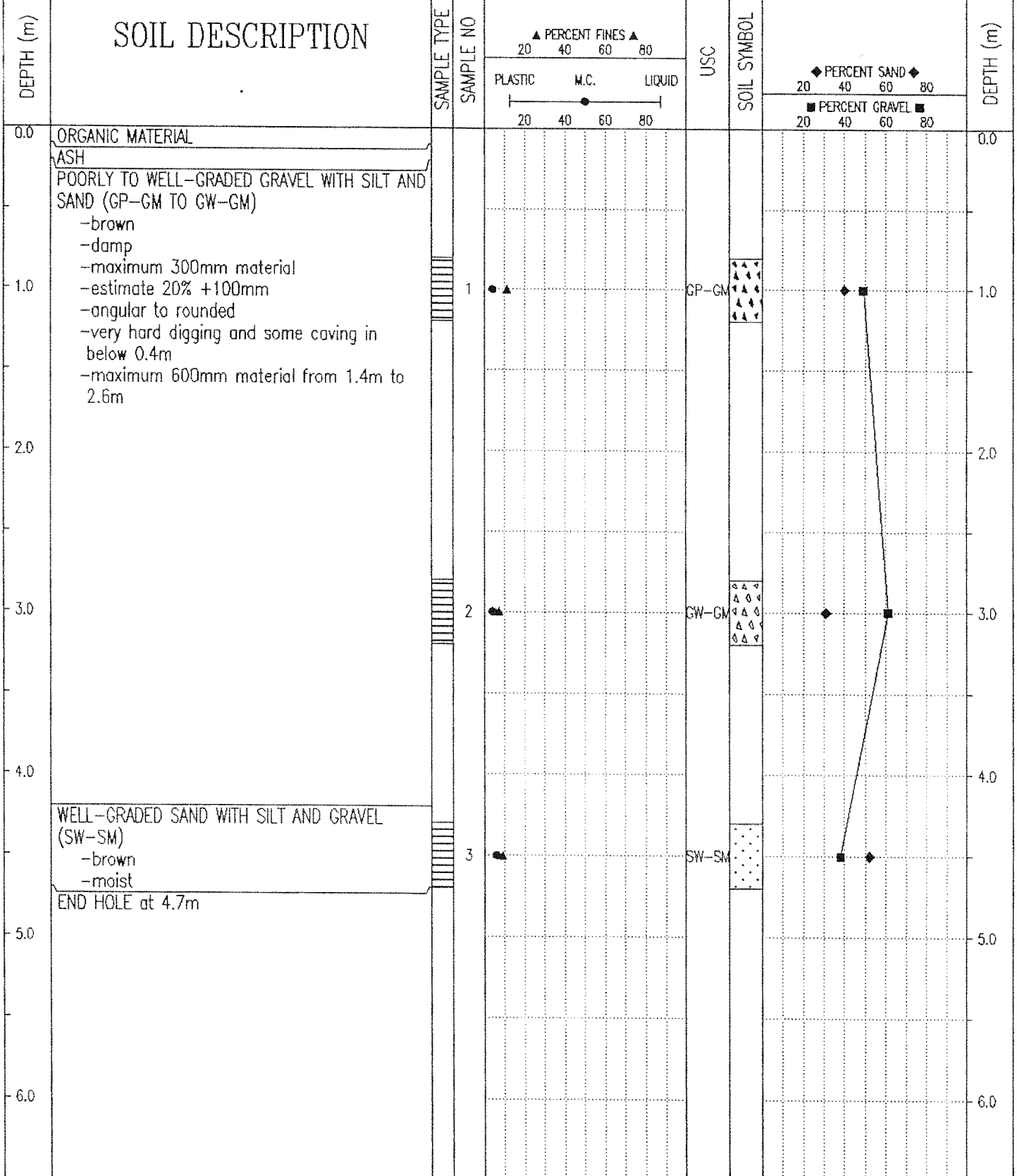
KM 17.8 TO KM 21.4

G-R-999-025

Drawer #17

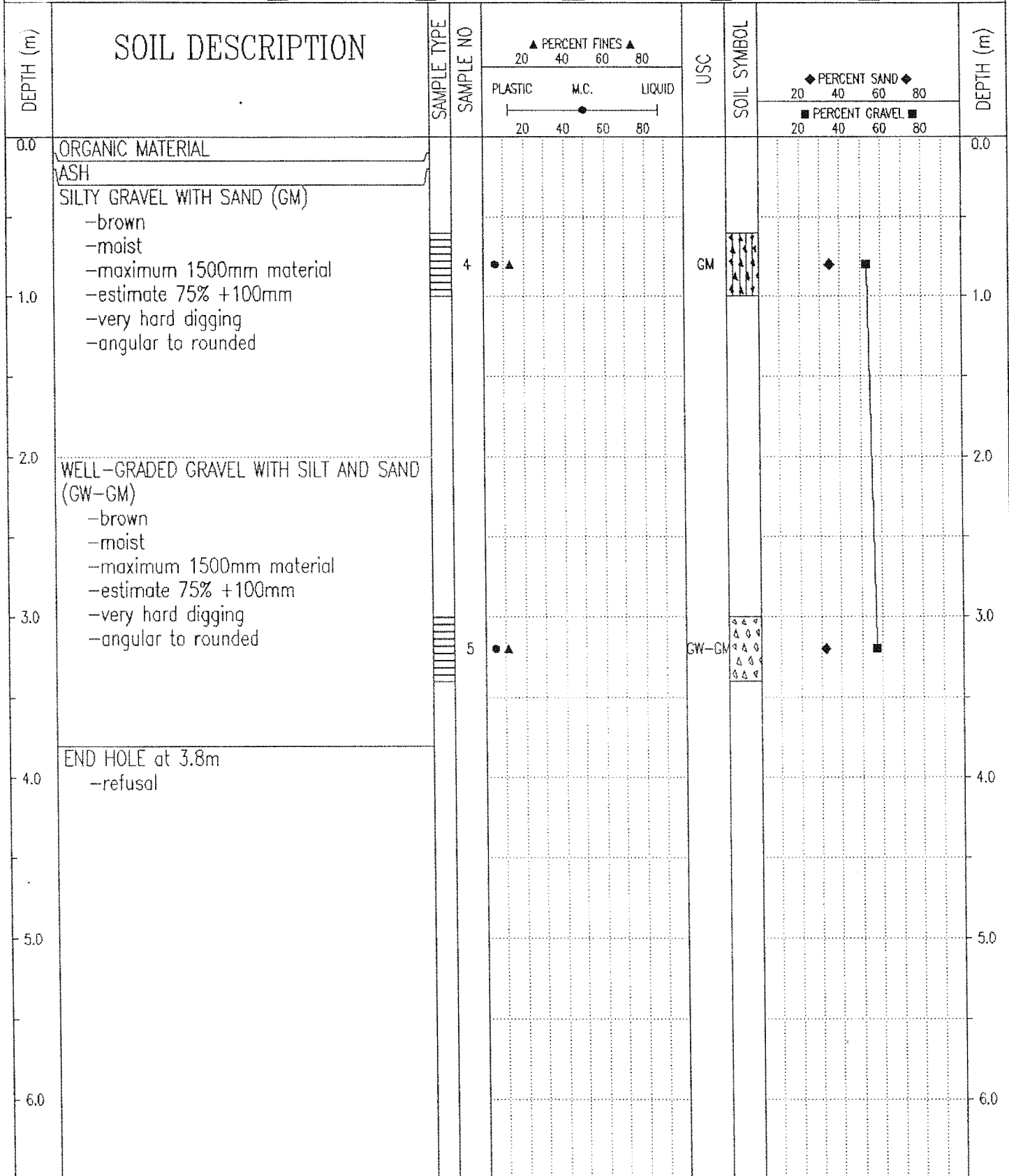
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-01
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 17+825	ELEVATION: 0.00 (m)

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



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	REVIEWED BY:	COMPLETE: 94/10/11
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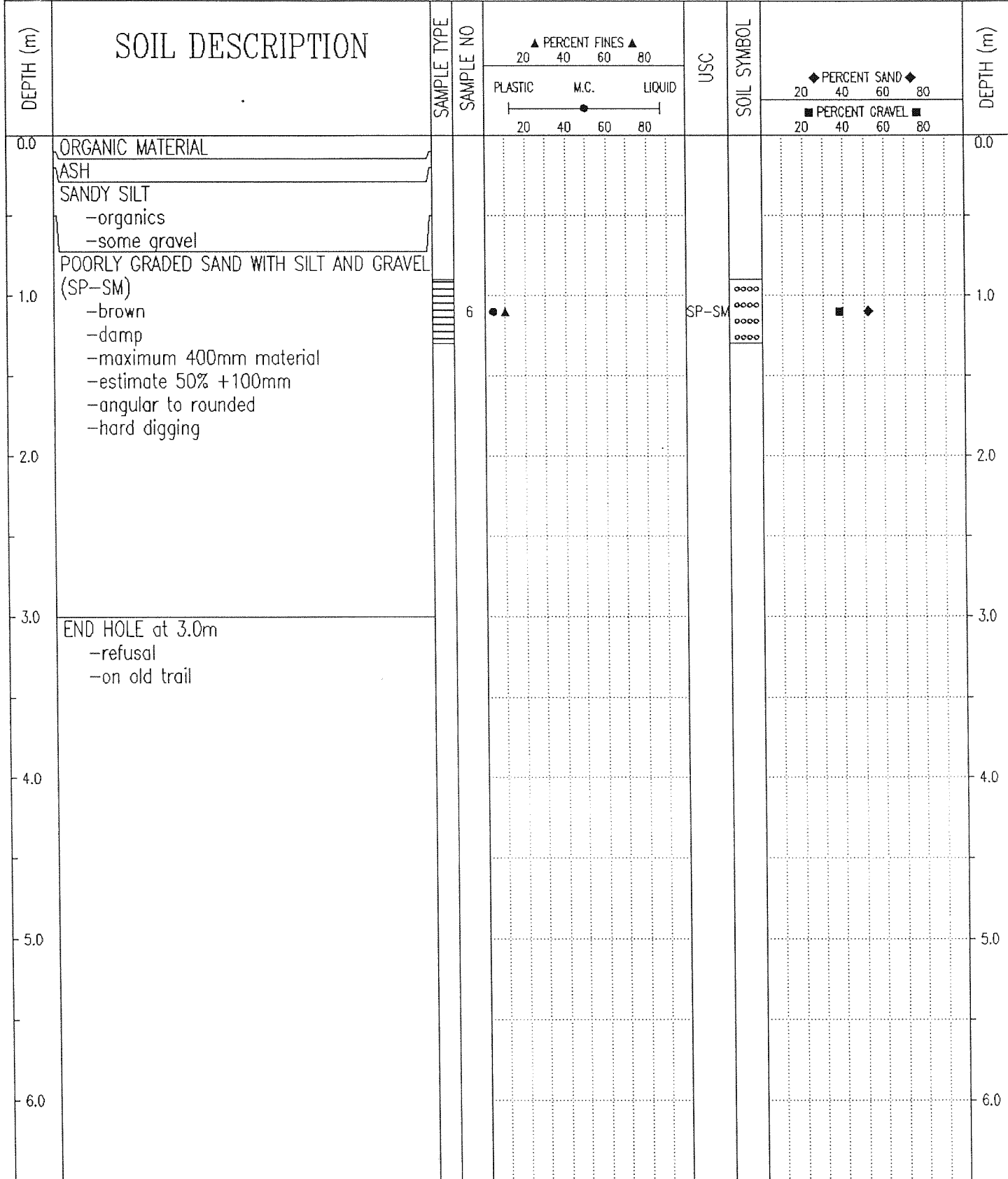
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ENGINEERING-CAPITAL		KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 17+950	ELEVATION: 0.00 (m)
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		<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
			<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-03
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 18+100 o/s 12m Lt.	ELEVATION: 0.00 (m)
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<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE

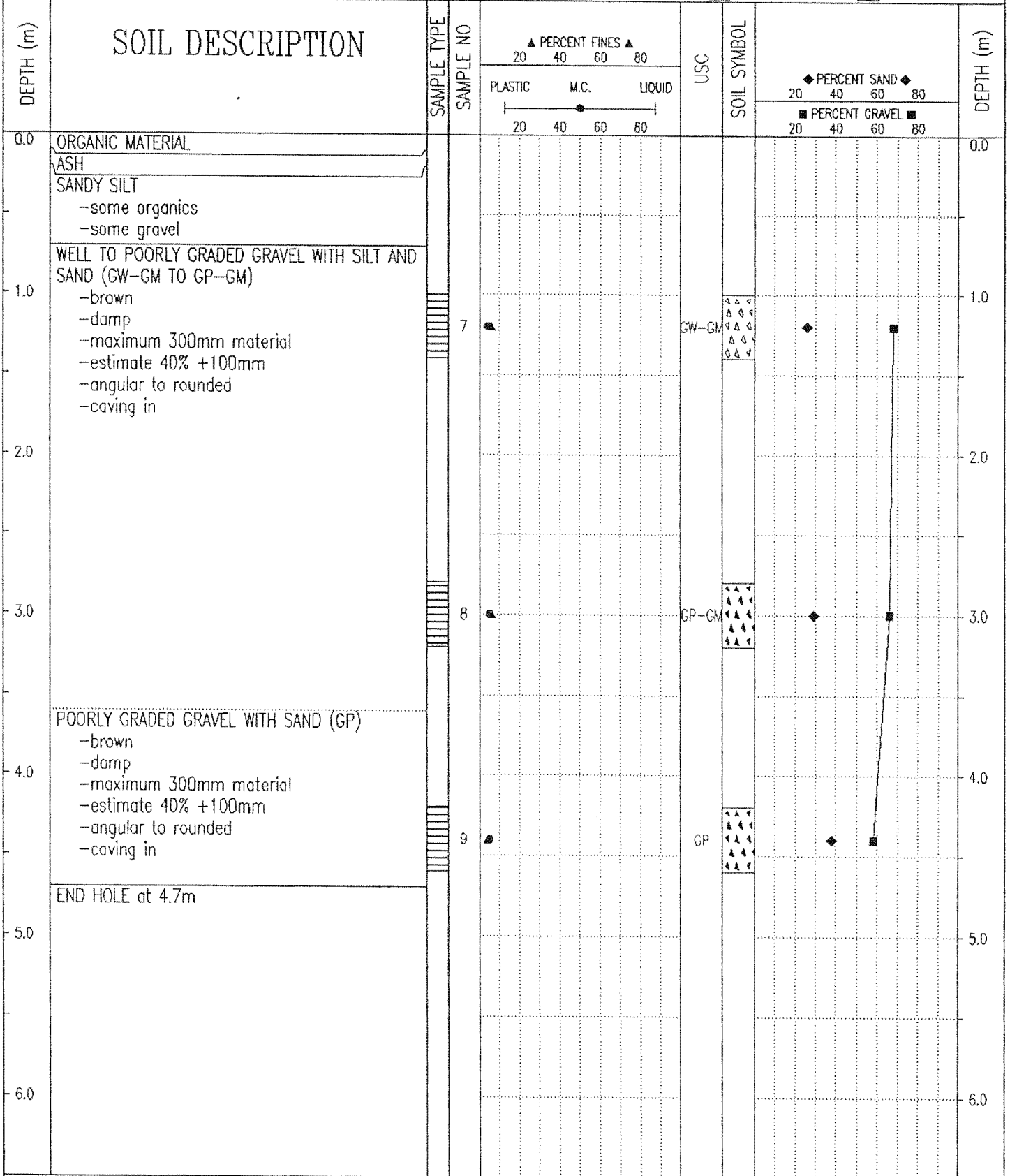


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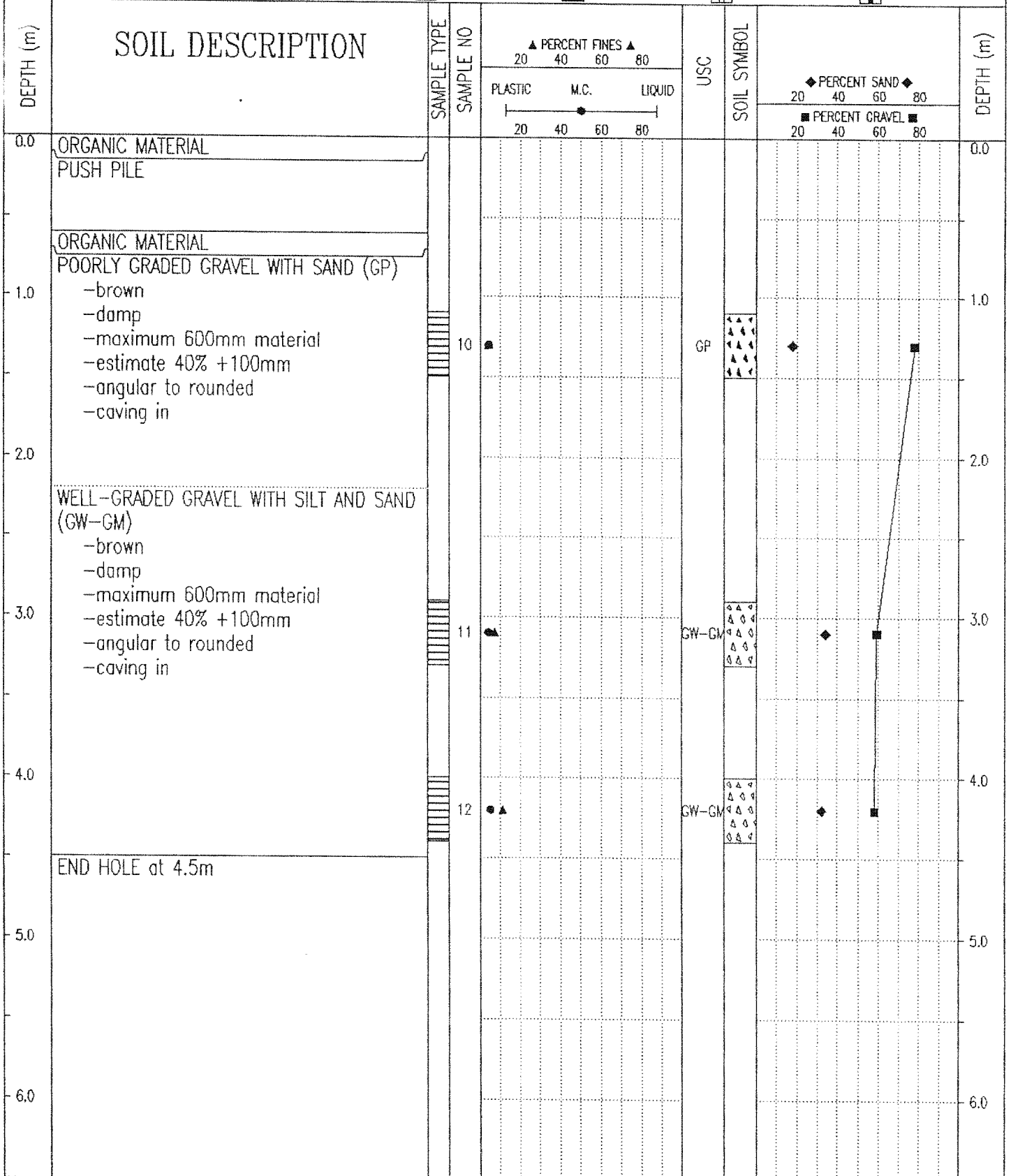
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COMPLETE: 94/10/12
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-04
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 18+275 o/s 20m Rt.	ELEVATION: 0.00 (m)
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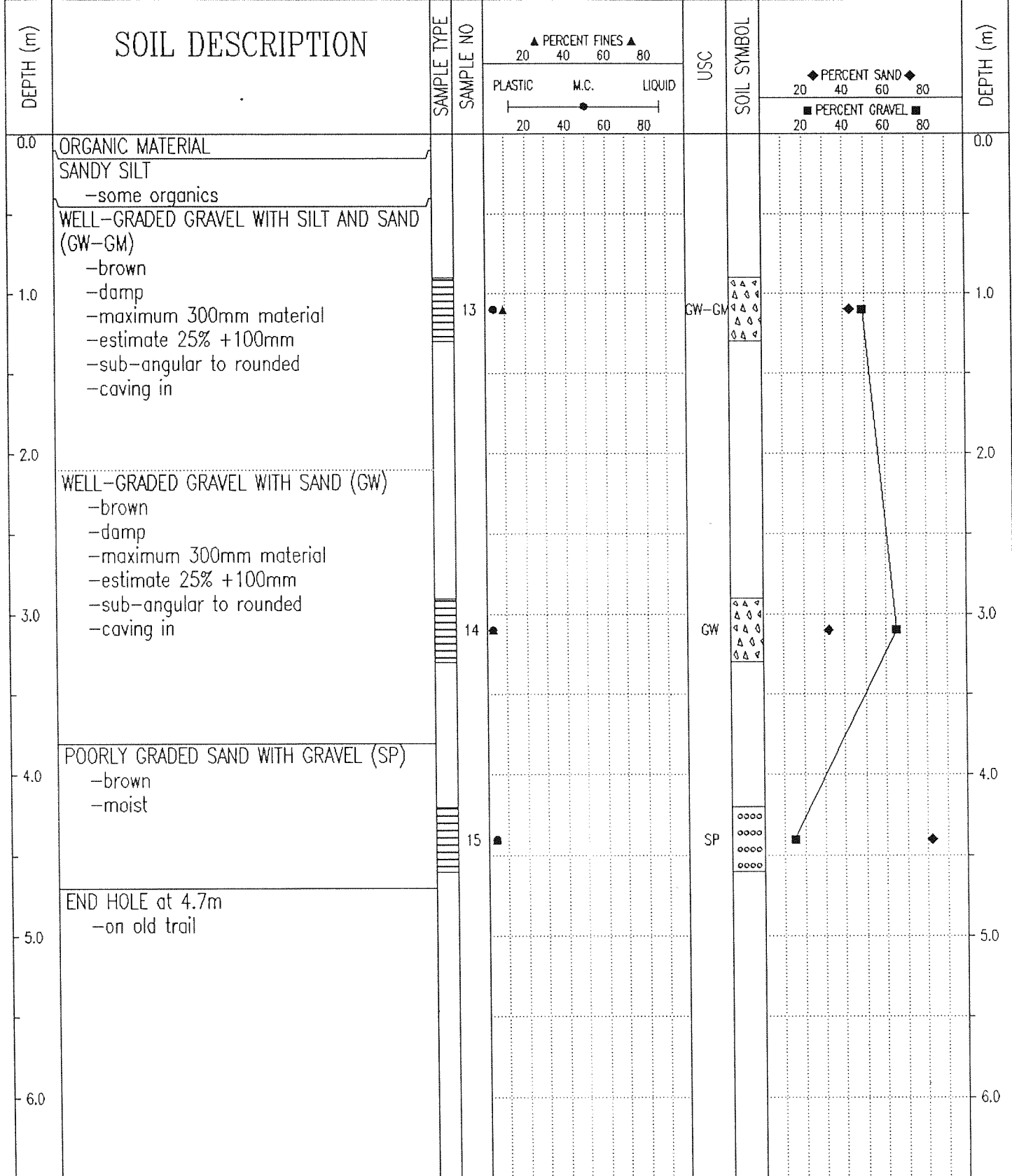


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ENGINEERING-CAPITAL		KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 18+450	ELEVATION: 0.00 (m)
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			<input type="checkbox"/> BULK
			<input type="checkbox"/> TUBE
			<input type="checkbox"/> CORE



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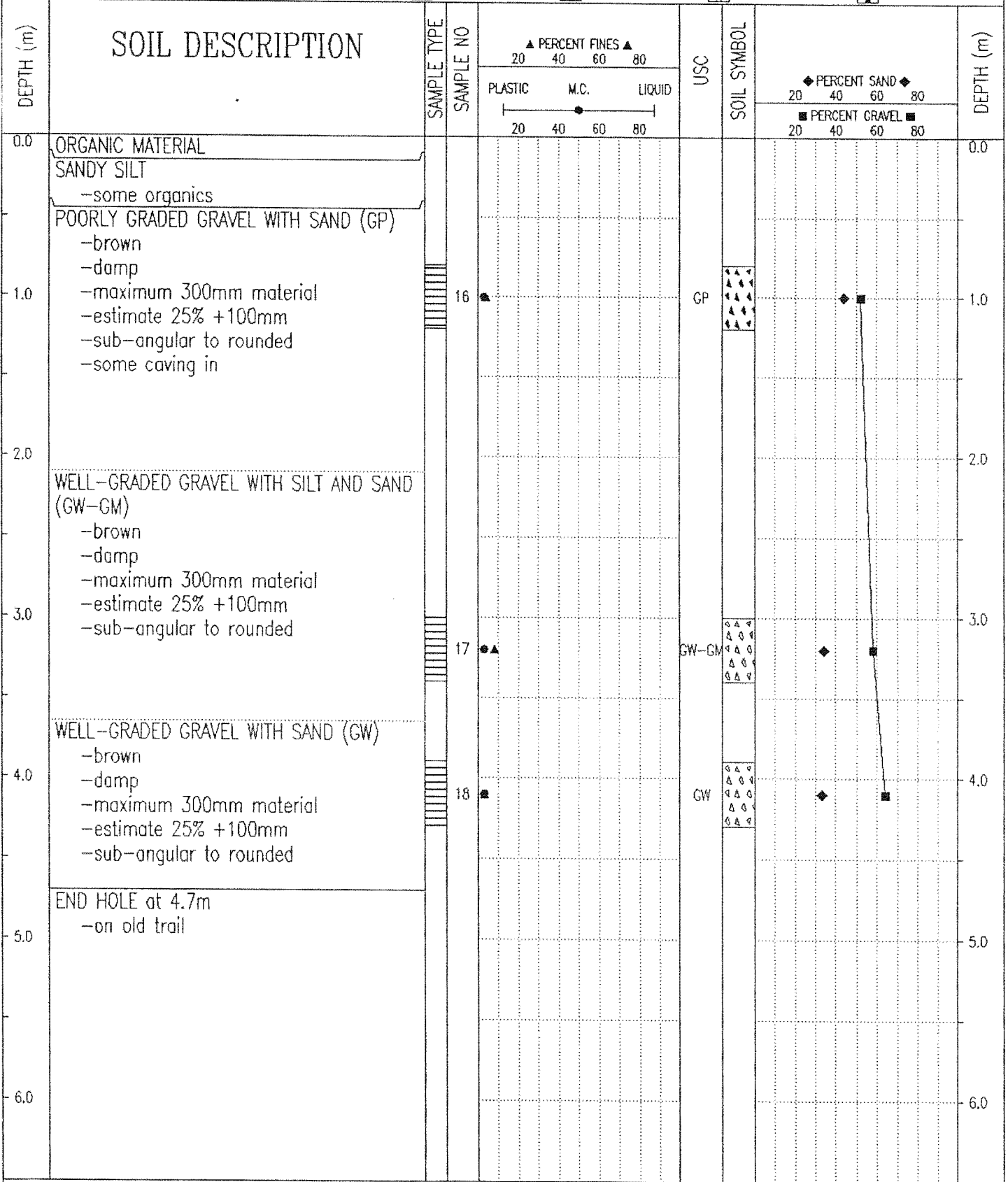
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ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 18+625 o/s 12m Lt.	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE		



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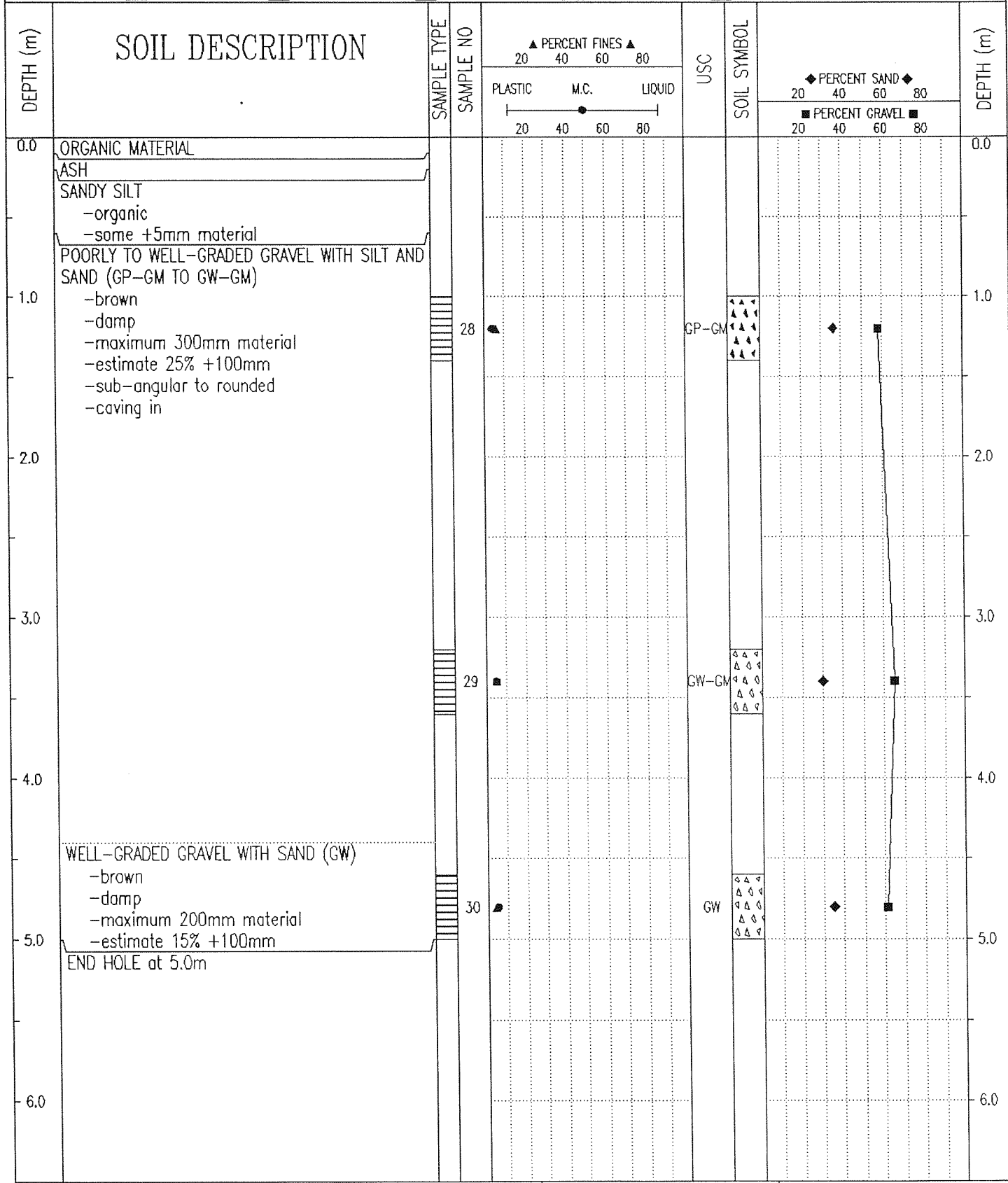
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REVIEWED BY:	COMPLETE: 94/10/12
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ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 18+775	ELEVATION: 0.00 (m)
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	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-12
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 18+875 o/s 80m Rt.	ELEVATION: 0.00 (m)
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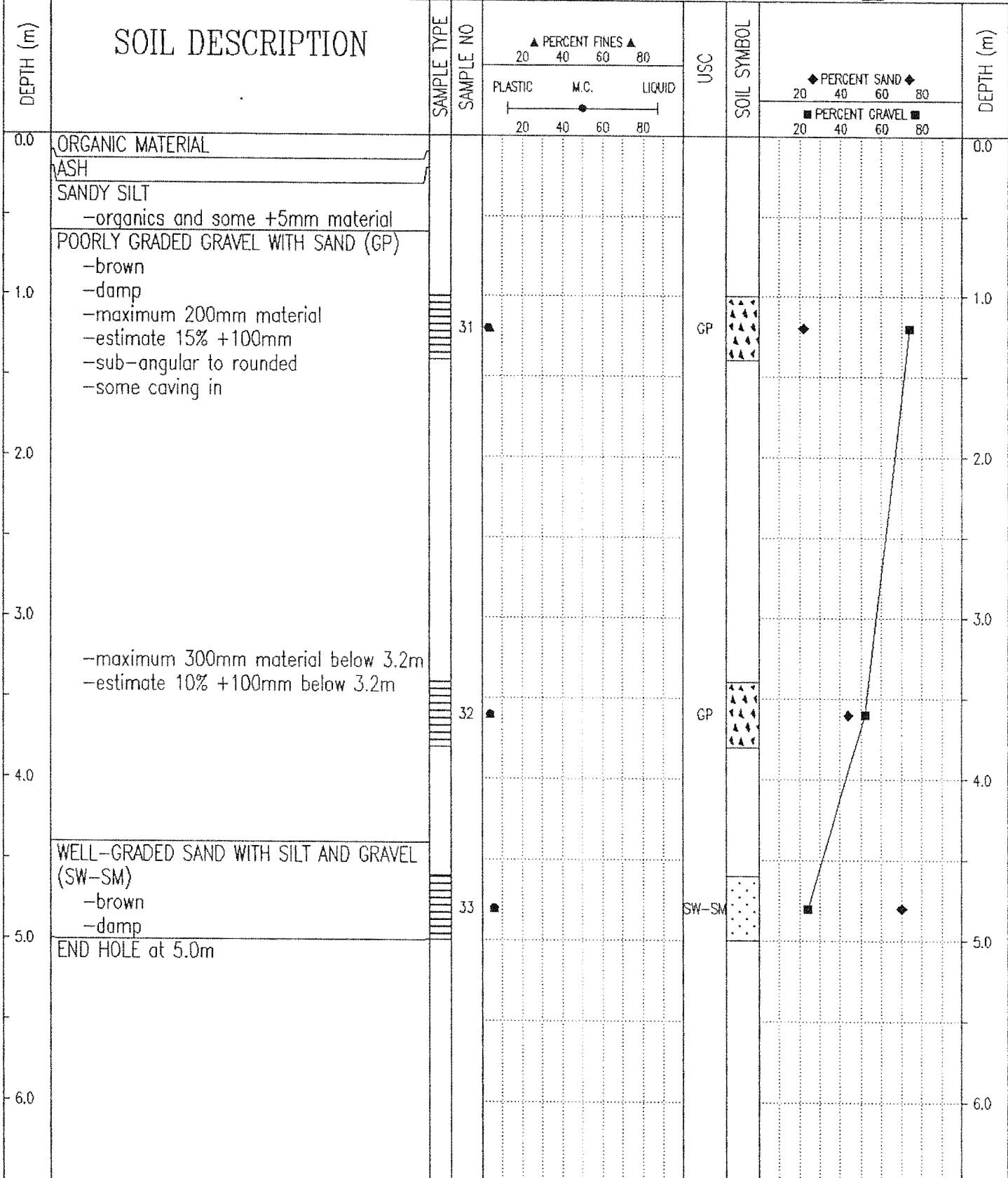


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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RE-CONSTRUCTION		TEST PIT NO: 333-08						
ENGINEERING-CAPITAL		KM 17.8-21.4		Project No: 092-202199-0503						
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 18+975		ELEVATION: 0.00 (m)						
SAMPLE TYPE <input checked="" type="checkbox"/> RETURN		<input checked="" type="checkbox"/> S.P.T.		<input checked="" type="checkbox"/> AUGER						
		<input type="checkbox"/> BULK		<input type="checkbox"/> TUBE						
				<input type="checkbox"/> CORE						
DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲		USC	SOIL SYMBOL	◆ PERCENT SAND ◆		DEPTH (m)
				PLASTIC	M.C.			LIQUID	■ PERCENT GRAVEL ■	
0.0	ORGANIC MATERIAL SANDY SILT -some organics								0.0	
1.0	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) -brown -damp -maximum 300mm material -estimate 25% +100mm -sub-angular to rounded -some caving in		19			SP-SM	○○○○ ○○○○ ○○○○ ○○○○	◆	1.0	
2.0	WELL-GRADED GRAVEL WITH SAND (GW) -brown -damp -maximum 300mm material -estimate 25% +100mm -sub-angular to rounded								2.0	
3.0			20			GW	△△△ △△△ △△△ △△△	◆	3.0	
4.0			21			GW	△△△ △△△ △△△ △△△	◆	4.0	
5.0	END HOLE at 4.5m -on old trail								5.0	
6.0									6.0	
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				REVIEWED BY:		COMPLETE: 94/10/12				
				Fig. No:		Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-13
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 19+025 o/s 85m Rt.	ELEVATION: 0.00 (m)
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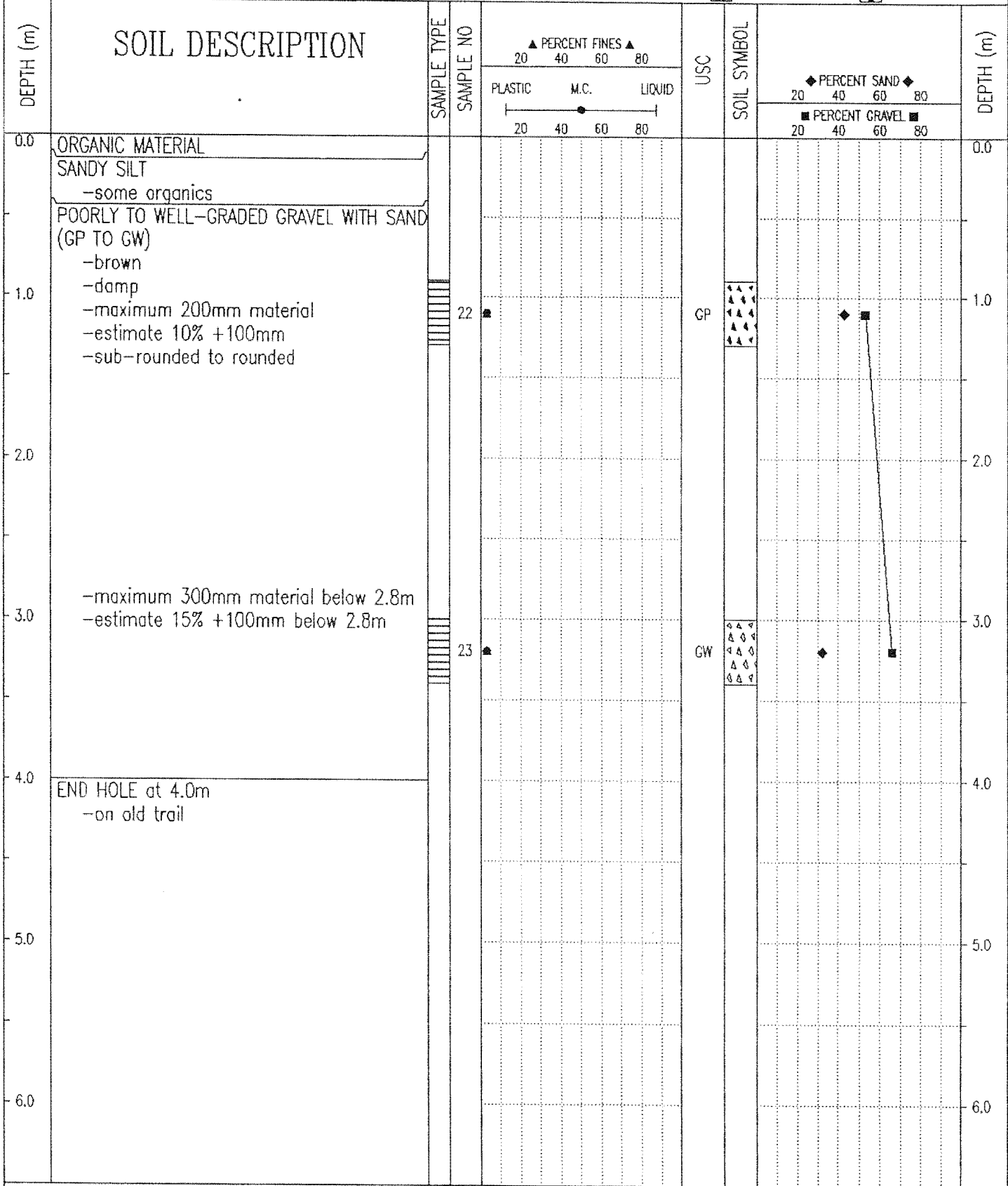


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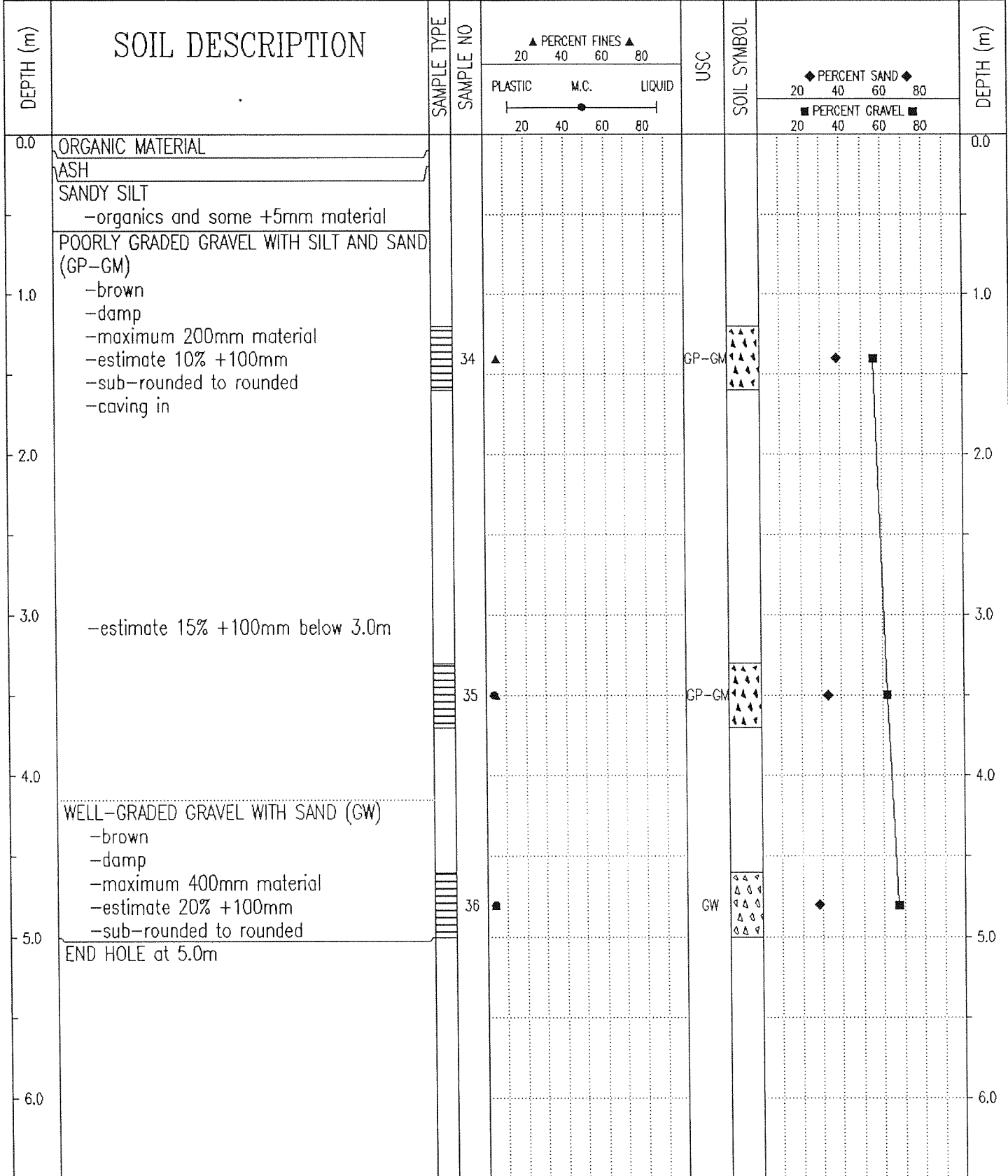
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ENGINEERING-CAPITAL		KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 19+175 o/s 4m Lt.	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input checked="" type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.	<input checked="" type="checkbox"/> AUGER
		<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
			<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-14
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 19+175 o/s 100m Rt.	ELEVATION: 0.00 (m)
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	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE

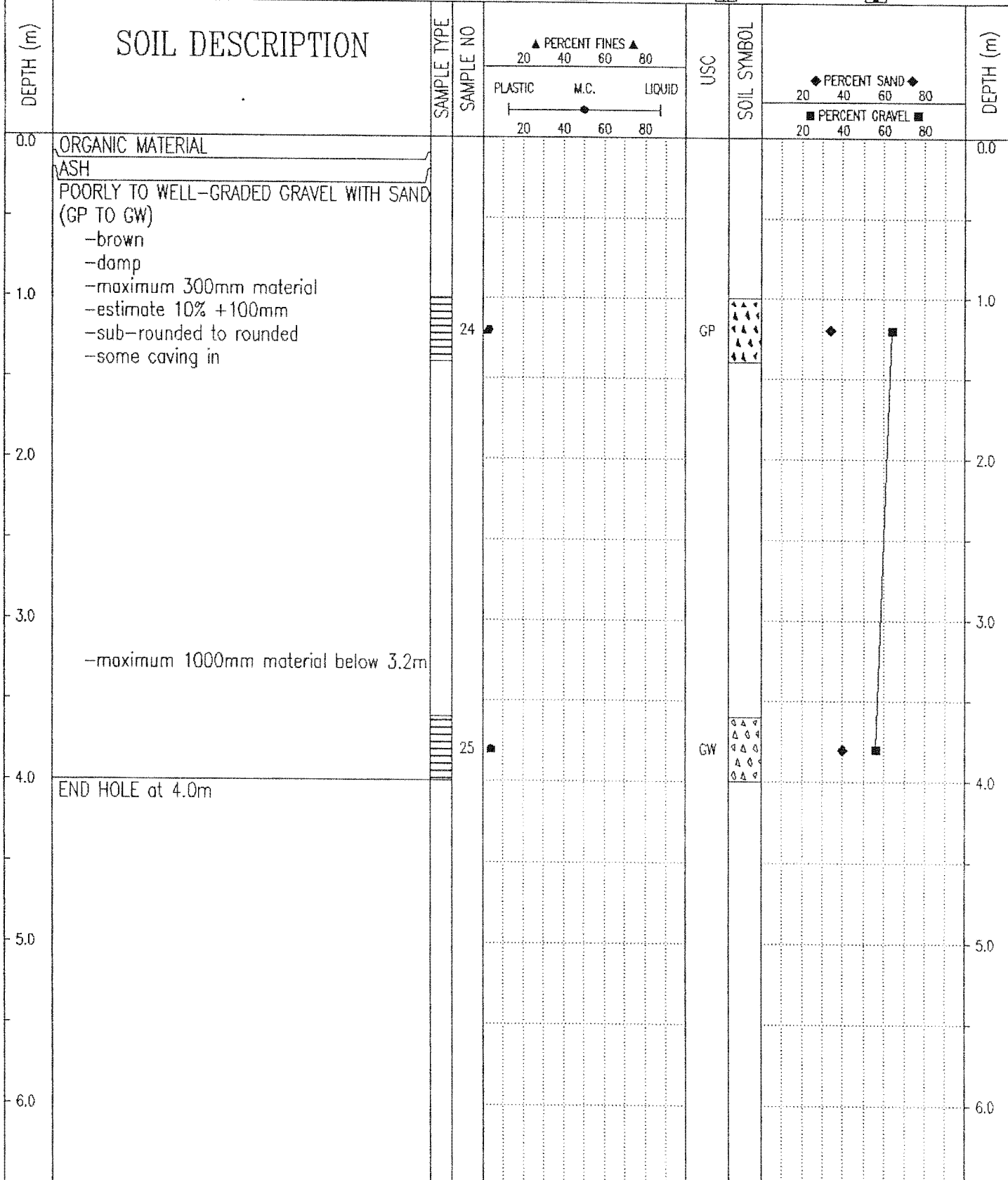


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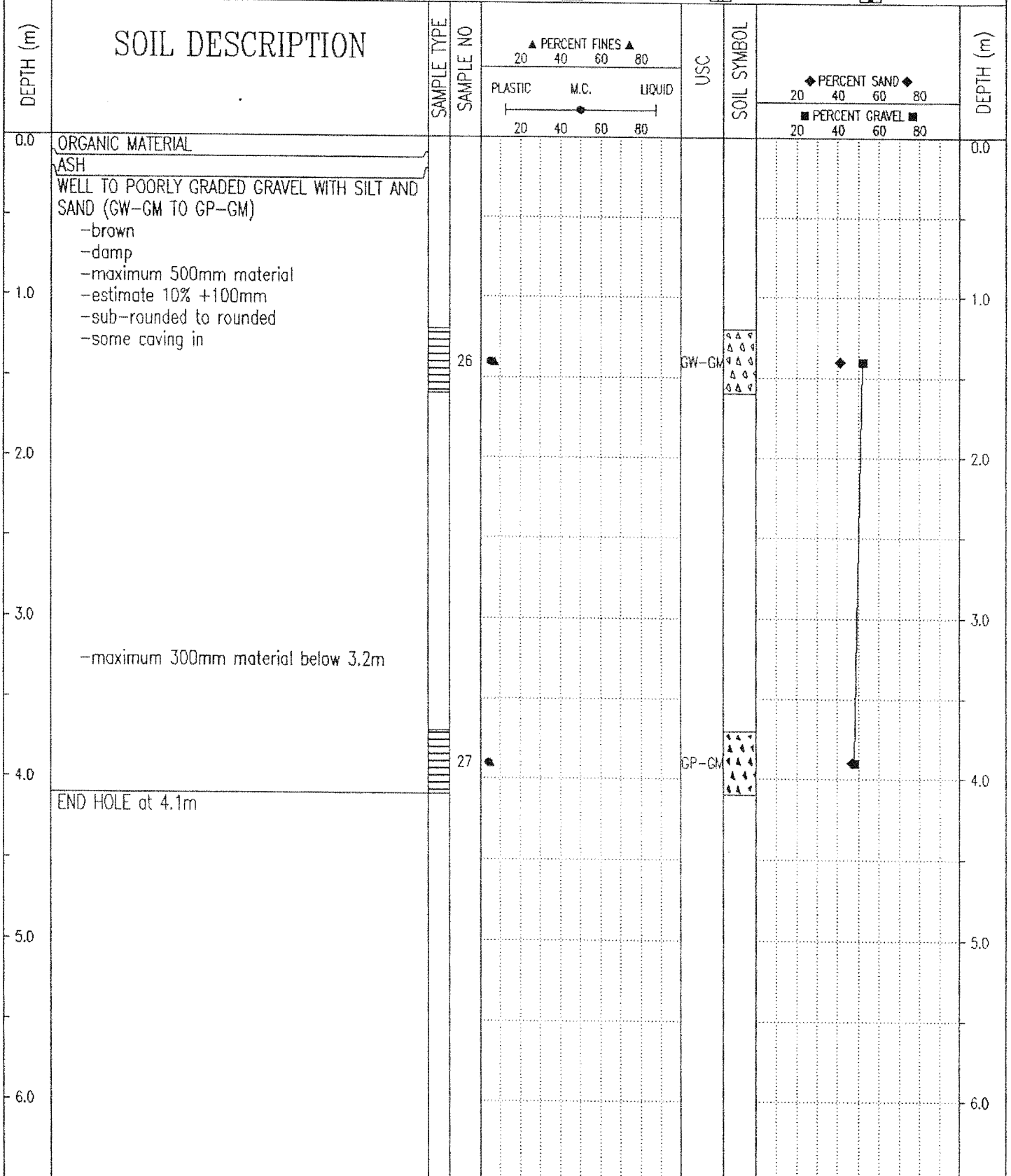
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COMPLETE: 94/10/13

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-10
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 19+325 o/s 9m Rt.	ELEVATION: 0.00 (m)
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	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-11
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 19+525	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input checked="" type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.
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	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE

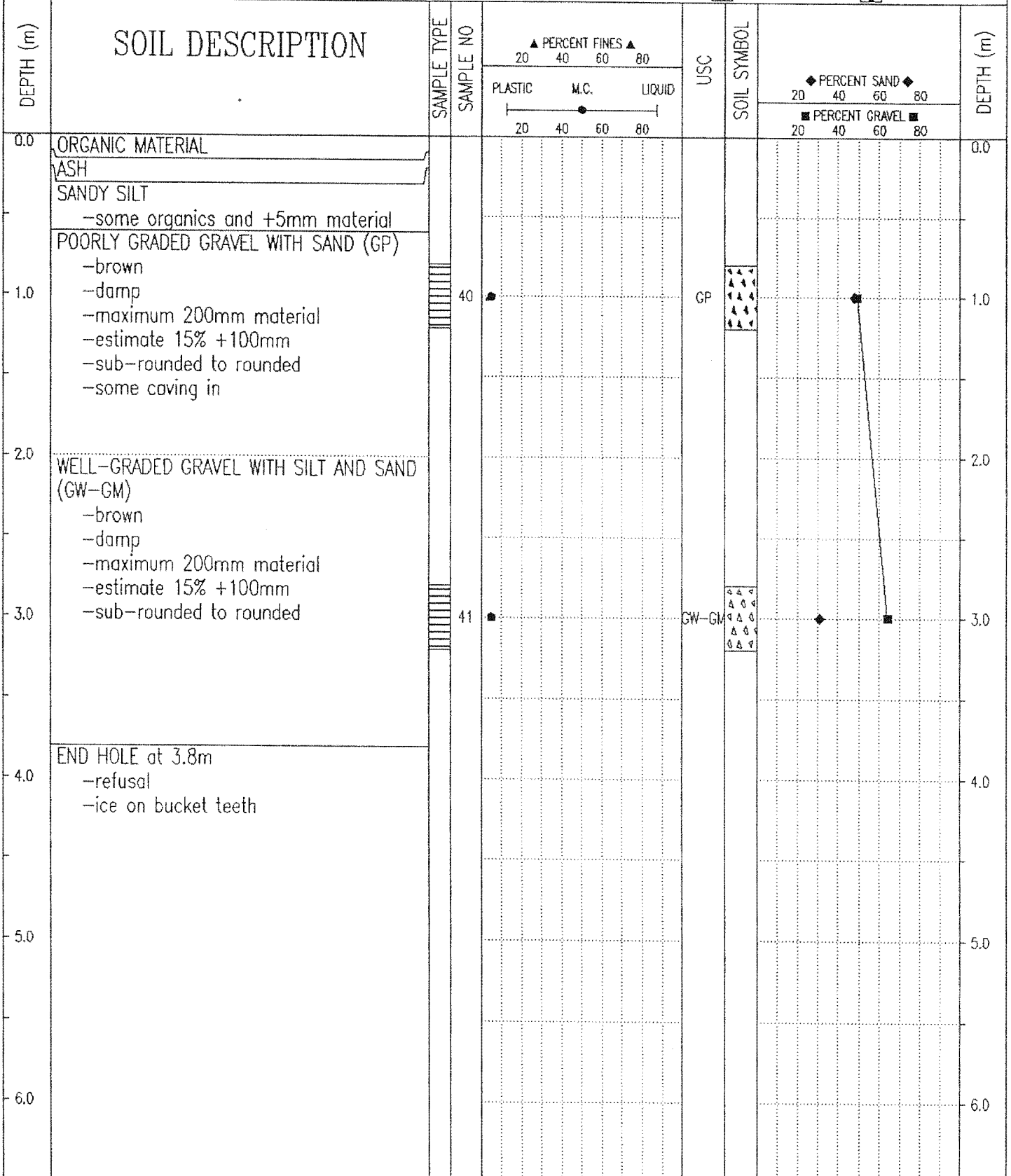


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	REVIEWED BY:	COMPLETE: 94/10/12
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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RE-CONSTRUCTION		TEST PIT NO: 333-15						
ENGINEERING-CAPITAL		KM 17.8-21.4		Project No: 092-202199-0503						
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 19+725 o/s 5m Lt.		ELEVATION: 0.00 (m)						
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DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲ 20 40 60 80		USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80		DEPTH (m)
				PLASTIC	M.C.			LIQUID	■ PERCENT GRAVEL ■ 20 40 60 80	
0.0	ORGANIC MATERIAL ASH SANDY SILT -organics and some +5mm material									0.0
1.0	POORLY GRADED GRAVEL WITH SAND (GP) -brown -damp -maximum 200mm material -estimate 10% +100mm -some caving in -sample #37 spilled		37							1.0
2.0										2.0
3.0	-maximum 600mm material below 2.8m -estimate 25% +100mm below 2.8m -sub-rounded to rounded		38			GP	▲▲▲▲	◆	■	3.0
4.0										4.0
5.0			39			GP	▲▲▲▲	◆	■	5.0
6.0	END HOLE at 4.6m									6.0
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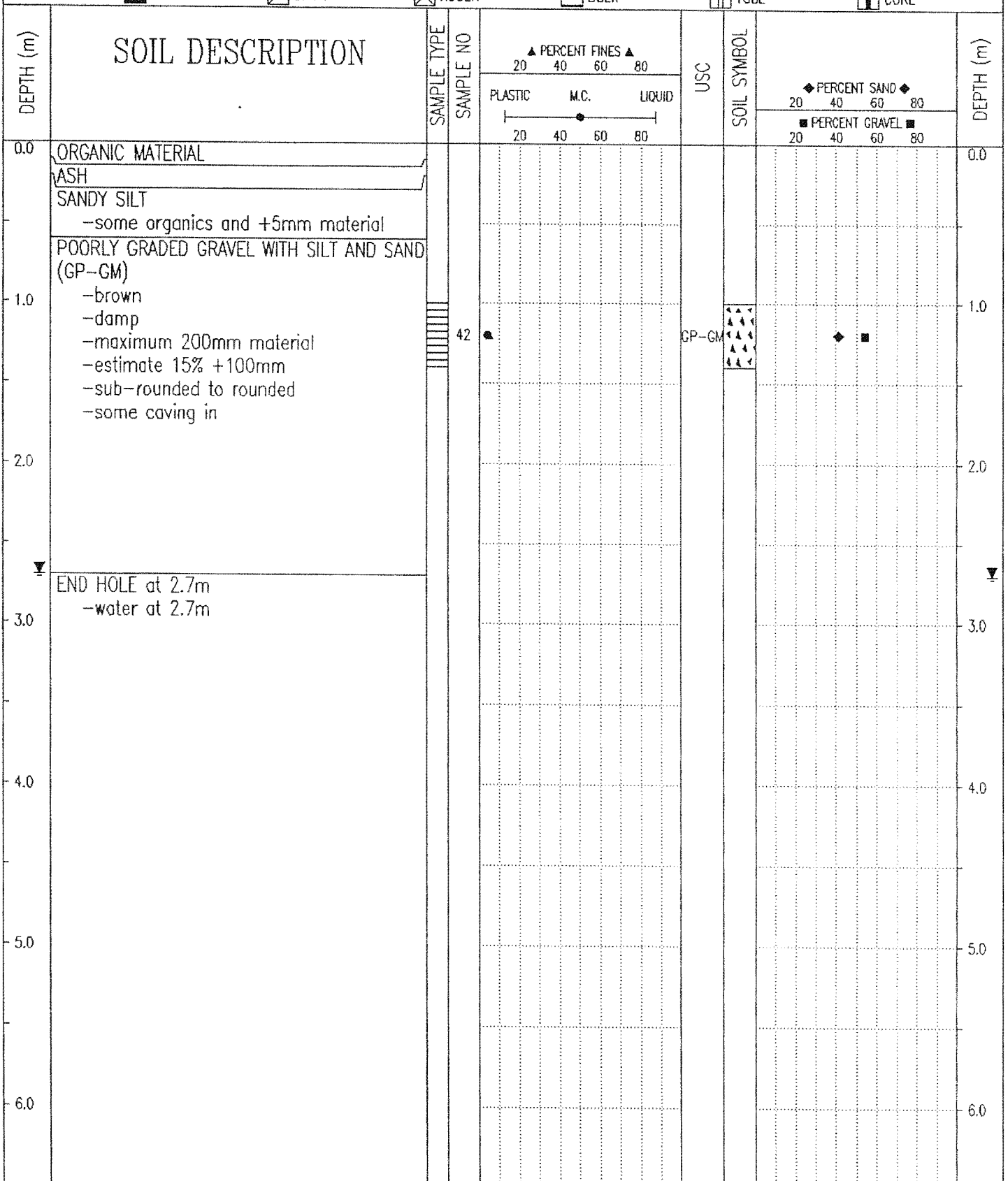
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ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 19+925	ELEVATION: 0.00 (m)

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



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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RE-CONSTRUCTION		TEST PIT NO: 333-17	
ENGINEERING-CAPITAL		KM 17.8-21.4		Project No: 092-202199-0503	
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 20+100 o/s 7m Rt.		ELEVATION: 0.00 (m)	
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				<input type="checkbox"/> CORE	



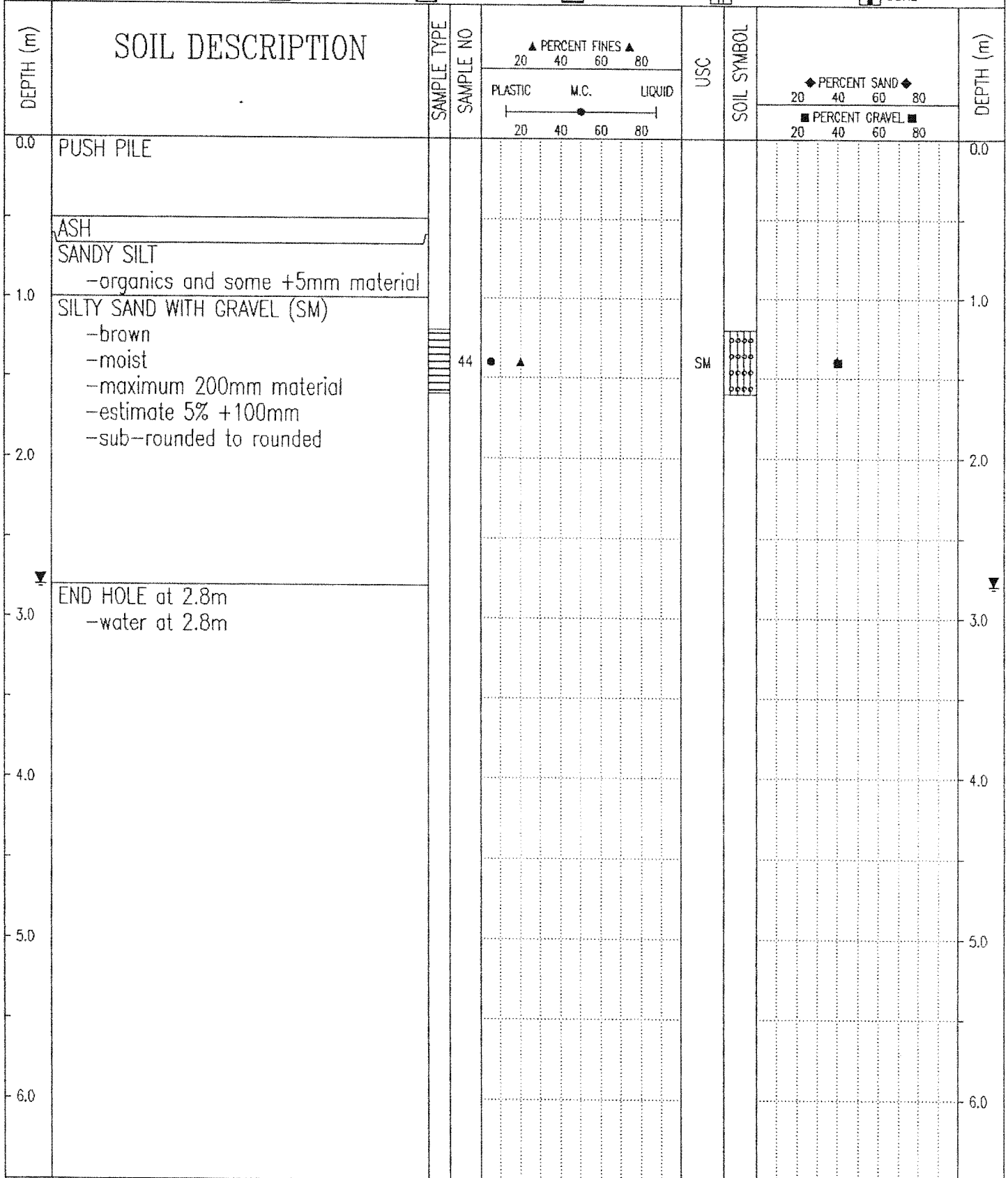
Government of Yukon Transportation Engineering		LOGGED BY: DT	COMPLETION DEPTH: 2.7 m
		REVIEWED BY:	COMPLETE: 94/10/14
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-18
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 20+276 o/s Rt.	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE		

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	PERCENT FINES ▲			USC	SOIL SYMBOL	PERCENT SAND ◆		PERCENT GRAVEL ■	DEPTH (m)
				PLASTIC	M.C.	LIQUID			20	40		
0.0	ORGANIC MATERIAL ASH										0.0	
0.0 - 1.6	SILTY SAND WITH GRAVEL (SM) -brown -some cobbles and boulders											
1.6 - 2.0	-saturated below 1.6m		43	●	▲		SM	◆	■			
2.0	END HOLE at 2.0m -refusal -frozen below 2.0m -on old trail										2.0	
3.0											3.0	
4.0											4.0	
5.0											5.0	
6.0											6.0	

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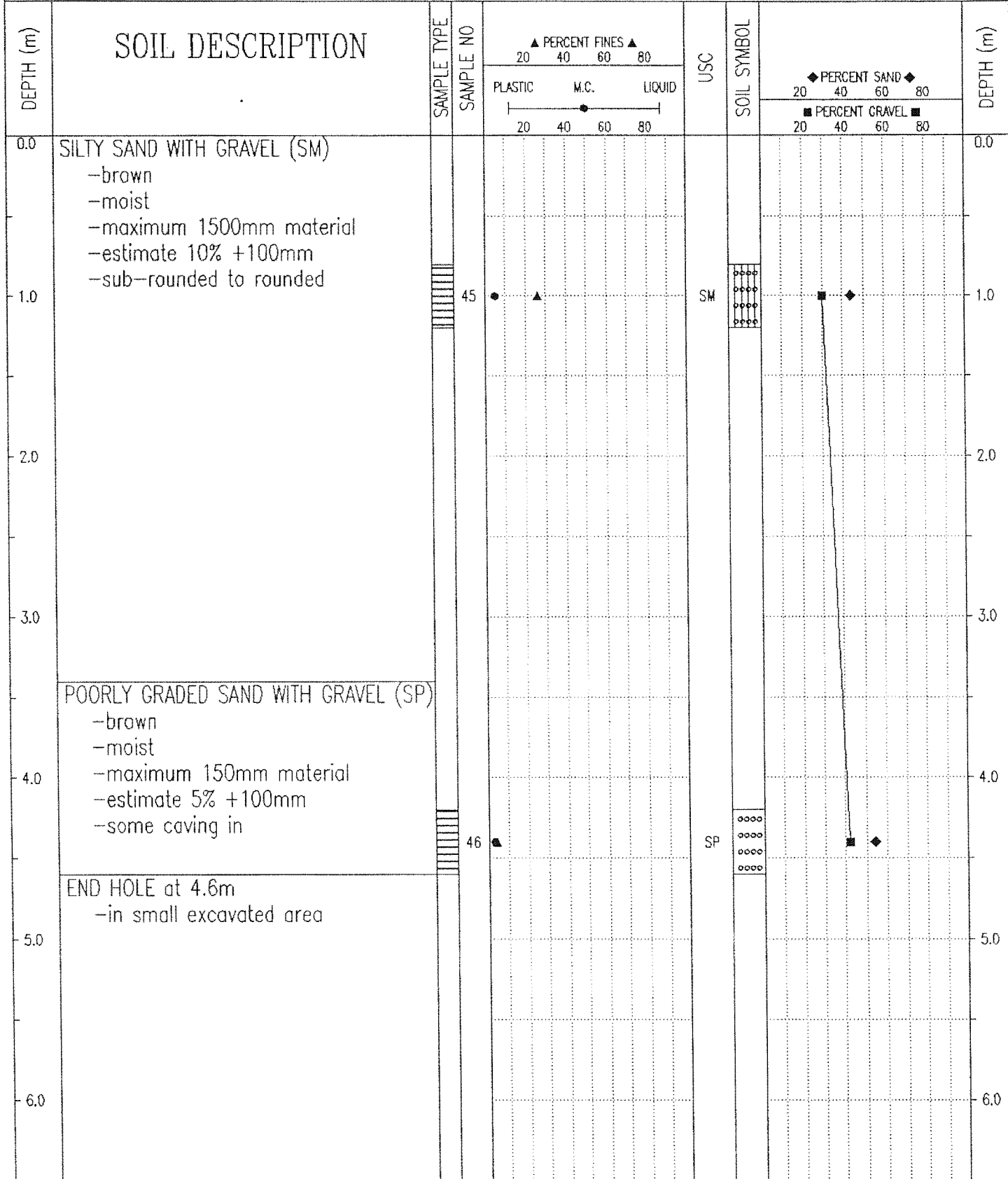
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ENGINEERING-CAPITAL		KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 20+450	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.	<input checked="" type="checkbox"/> AUGER
		<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
			<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 333-20
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 20+550 o/s 4m Lt.	ELEVATION: 0.00 (m)
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<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE

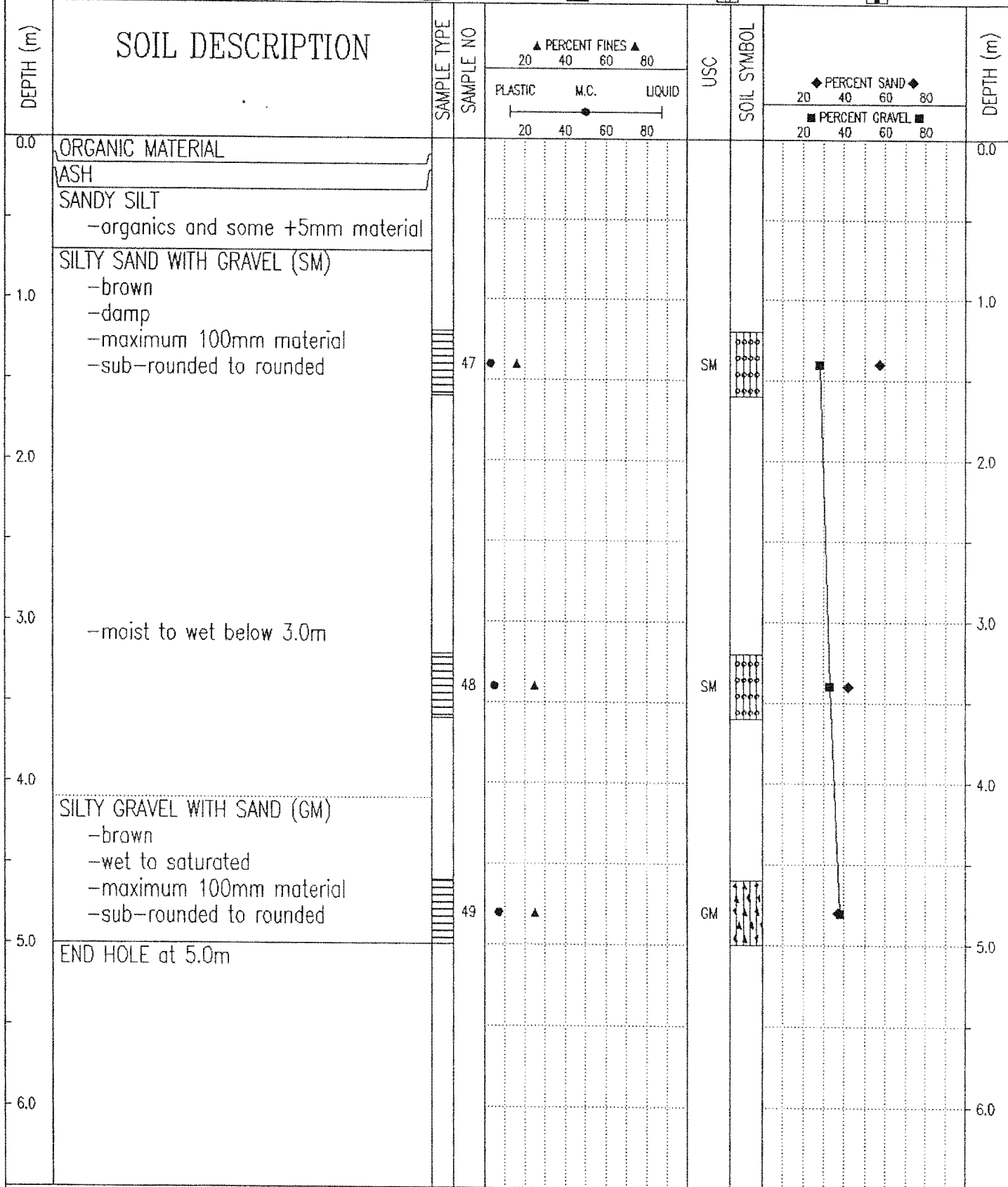


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COMPLETE: 94/10/14
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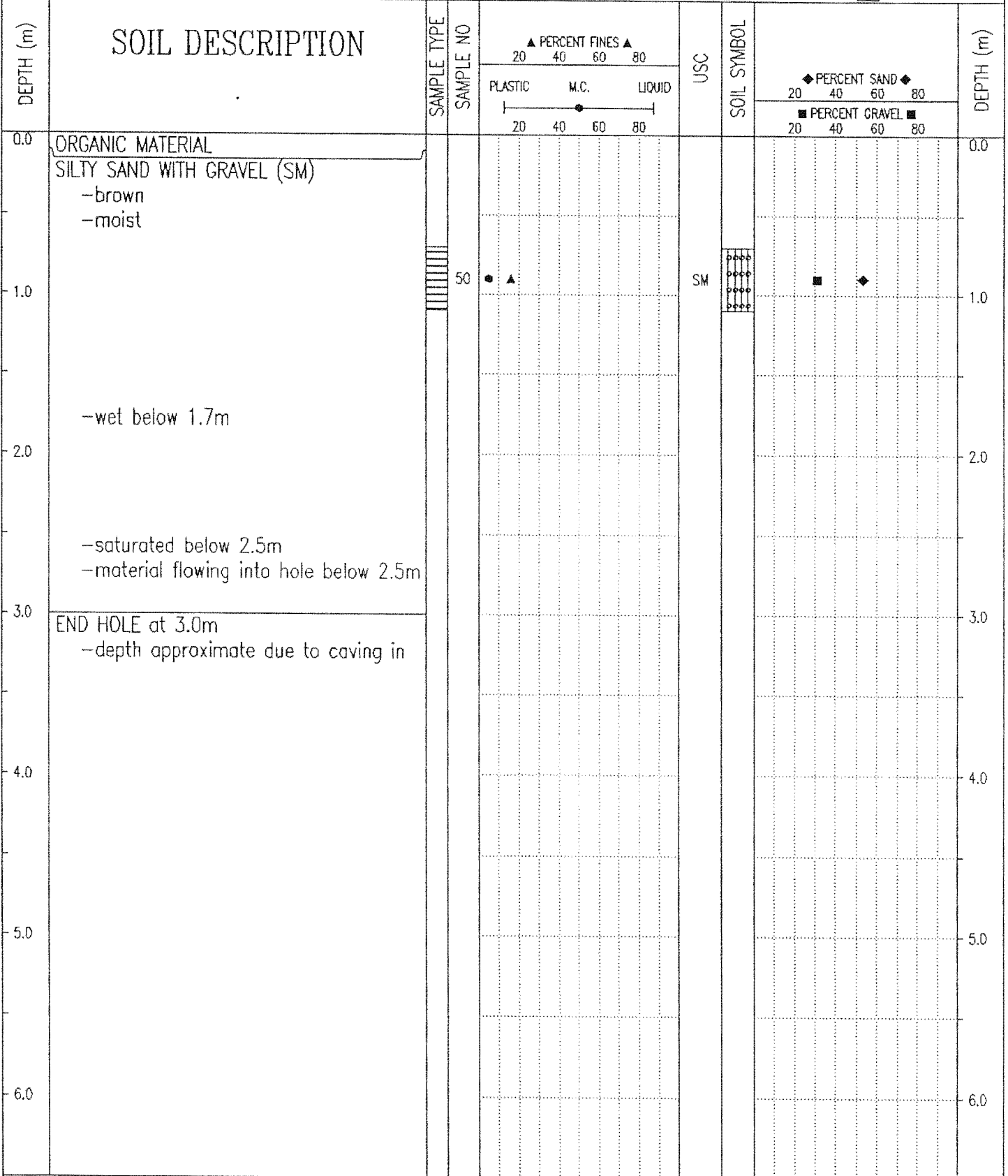
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ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 20+750	ELEVATION: 0.00 (m)
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	<input type="checkbox"/> TUBE	<input type="checkbox"/> CORE



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COMPLETION DEPTH: 5.0 m
COMPLETE: 94/10/14
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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 334-22
ENGINEERING-CAPITAL		KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 20+950 o/s 4m Lt.	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input checked="" type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.	<input checked="" type="checkbox"/> AUGER
		<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
			<input type="checkbox"/> CORE



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SUBSURFACE EXPLORATION AND TEST REPORT FREEGOLD ROAD RE-CONSTRUCTION TEST PIT NO: 334-23

ENGINEERING-CAPITAL KM 17.8-21.4 Project No: 092-202199-0503

BACKHOE: HEIN-WERNER C-12B LOCATION: Sta. 21+075 o/s 3m Lt. ELEVATION: 0.00 (m)

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

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	PERCENT FINES ▲			USC	SOIL SYMBOL	PERCENT SAND ◆			DEPTH (m)
				PLASTIC	M.C.	LIQUID			20	40	60	
0.0	SILTY GRAVEL WITH SAND (GM) -brown -moist -maximum 300mm material -estimate 10% +100mm -sub-rounded to rounded											0.0
1.0			51	▲	●		GM	◆	■			1.0
2.0												2.0
3.0												3.0
4.0	SANDY GRAVEL -wet -trace of silt -caving in											4.0
4.0	END HOLE at 4.0m -water at 4.0m -in excavated area											4.0
5.0												5.0
6.0												6.0

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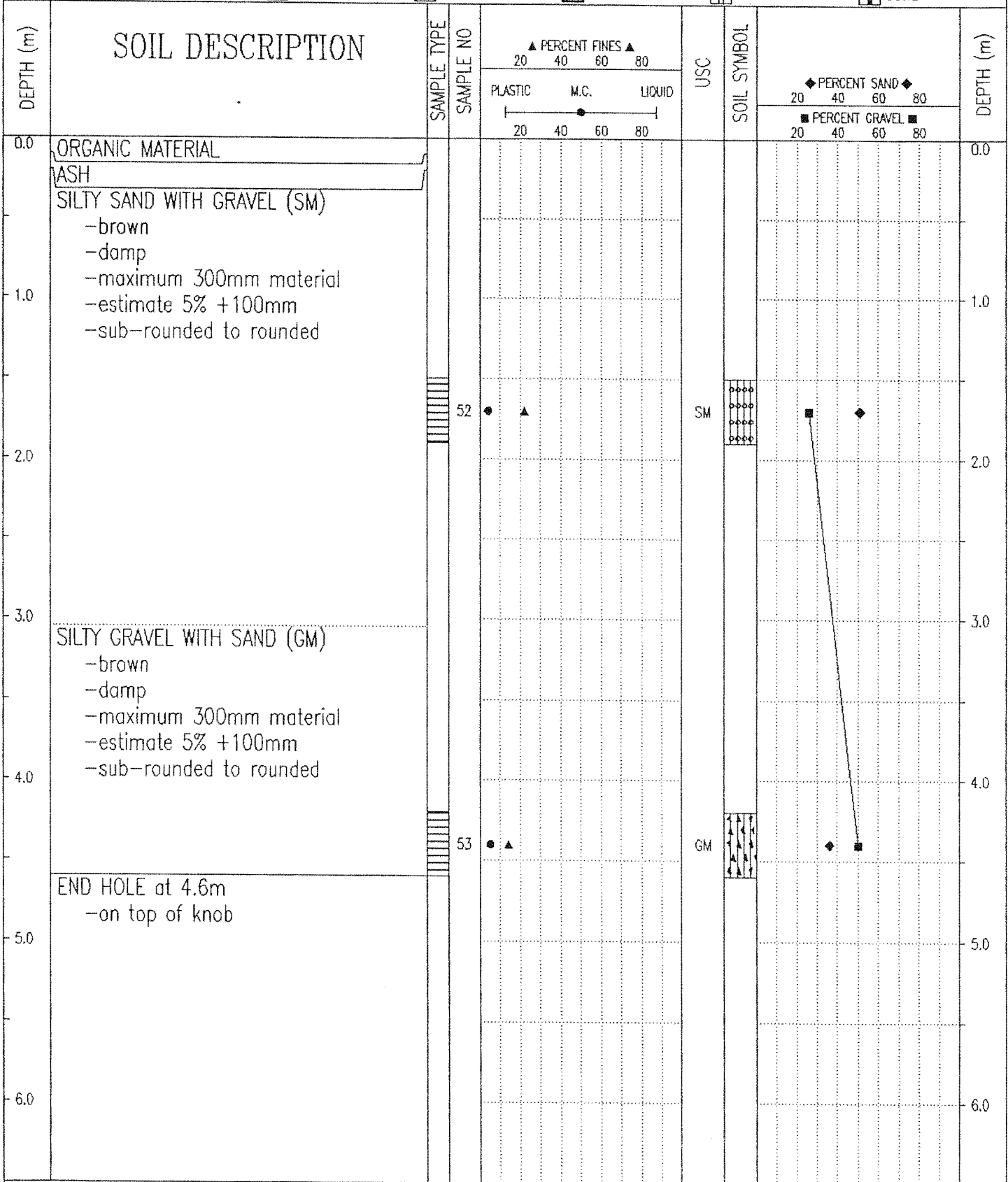
LOGGED BY: DT COMPLETION DEPTH: 4.0 m
 REVIEWED BY: COMPLETE: 94/10/15
 Fig. No: Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RE-CONSTRUCTION		TEST PIT NO: 334-24	
ENGINEERING-CAPITAL		KM 17.8-21.4		Project No: 092-202199-0503	
BACKHOE: HEIN-WERNER C-12B		LOCATION: Sta. 21+215		ELEVATION: 0.00 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> RETURN		<input checked="" type="checkbox"/> S.P.T.		<input checked="" type="checkbox"/> AUGER	
		<input type="checkbox"/> BULK		<input type="checkbox"/> TUBE	
				<input type="checkbox"/> CORE	

DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	▲ PERCENT FINES ▲			USC	SOIL SYMBOL	◆ PERCENT SAND ◆			DEPTH (m)
				20	40	60			80	20	40	
0.0	ORGANIC MATERIAL											0.0
0.0	ASH											
0.0	SILT											
0.0	-frozen (Nb)											
0.0	-some sand and organics											
0.0	-very tough digging											
1.0	SANDY SILT WITH GRAVEL											1.0
1.0	-frozen (Nb)											
1.0	-cobbles and boulders											
1.0	-very tough digging											
1.0	-saturated to free water below 1.5m											
1.0	-smooth easy digging below 1.5m											
2.0	END HOLE at 2.0m											2.0
2.0	-material flowing into hole at 1.5m											
3.0												3.0
4.0												4.0
5.0												5.0
6.0												6.0

Government of Yukon Transportation Engineering	LOGGED BY: DT	COMPLETION DEPTH: 2.0 m
	REVIEWED BY:	COMPLETE: 94/10/15
	Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RE-CONSTRUCTION	TEST PIT NO: 334-25
ENGINEERING-CAPITAL	KM 17.8-21.4	Project No: 092-202199-0503
BACKHOE: HEIN-WERNER C-12B	LOCATION: Sta. 21+310 o/s 12m Lt.	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE	



Government of Yukon
Transportation Engineering

LOGGED BY: DT
REVIEWED BY:
Fig. No:

COMPLETION DEPTH: 4.6 m
COMPLETE: 94/10/15

Page 1 of 1

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-01
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA. 17+825
 LOGGED BY: DT DATE COMPLETED: 94.10.11

FIELD NO: 1		FIELD NO: 2		FIELD NO: 3	
LAB NO: 1995		LAB NO: 1996		LAB NO: 1997	
DEPTH: 0.8-1.2		DEPTH: 2.8-3.2		DEPTH: 4.3-4.7	
TYPE: BULK		TYPE: BULK		TYPE: BULK	
SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
100.0	--	100.0	--	100.0	--
80.0	--	80.0	100	80.0	--
50.0	100	50.0	82	50.0	100
31.5	--	31.5	--	31.5	--
25.0	70	25.0	58	25.0	88
20.0	66	20.0	56	20.0	83
12.5	58	12.5	51	12.5	79
10.0	56	10.0	48	10.0	75
5.0	51	5.0	39	5.0	62
2.5	45	2.5	31	2.5	48
2.0	--	2.0	--	2.0	--
1.25	37	1.25	23	1.25	33
0.840	--	0.840	--	0.840	--
0.630	28	0.630	17	0.630	23
0.420	--	0.420	--	0.420	--
0.315	20	0.315	13	0.315	17
0.160	15	0.160	10	0.160	12
0.150	--	0.150	--	0.150	--
0.080	11	0.080	7	0.080	9
M.C. (%) :	4	M.C. (%) :	4	M.C. (%) :	6
LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.
% GRAVEL:	49	% GRAVEL:	61	% GRAVEL:	38
% SAND:	40	% SAND:	31	% SAND:	52
% FINES:	11	% FINES:	7	% FINES:	9
CLASSIFICATION:	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	CLASSIFICATION:	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	CLASSIFICATION:	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-02
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 17+950
 LOGGED BY: DT DATE COMPLETED: 94.10.11

FIELD NO: 4
 LAB NO: 1998
 DEPTH: 0.6-1.0
 TYPE: BULK

FIELD NO: 5.00
 LAB NO: 1999
 DEPTH: 3.0-3.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	84
20.0	74
12.5	64
10.0	59
5.0	47
2.5	37
2.0	--
1.25	29
0.840	--
0.630	24
0.420	--
0.315	19
0.160	15
0.150	--
0.080	13

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	71
20.0	65
12.5	58
10.0	53
5.0	43
2.5	36
2.0	--
1.25	29
0.840	--
0.630	23
0.420	--
0.315	18
0.160	15
0.150	--
0.080	11

M.C. (%): 6

M.C. (%): 5.00

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 53
 % SAND: 35
 % FINES: 13

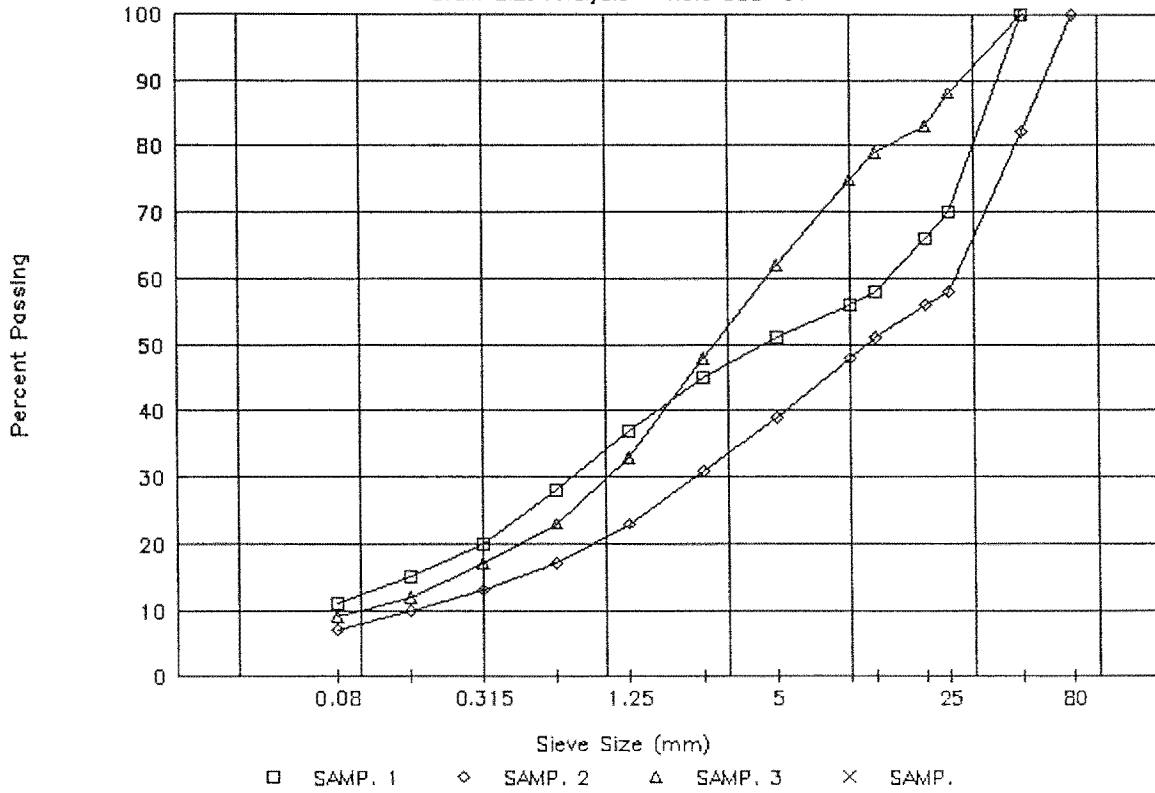
% GRAVEL: 57.00
 % SAND: 32.00
 % FINES: 11.00

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

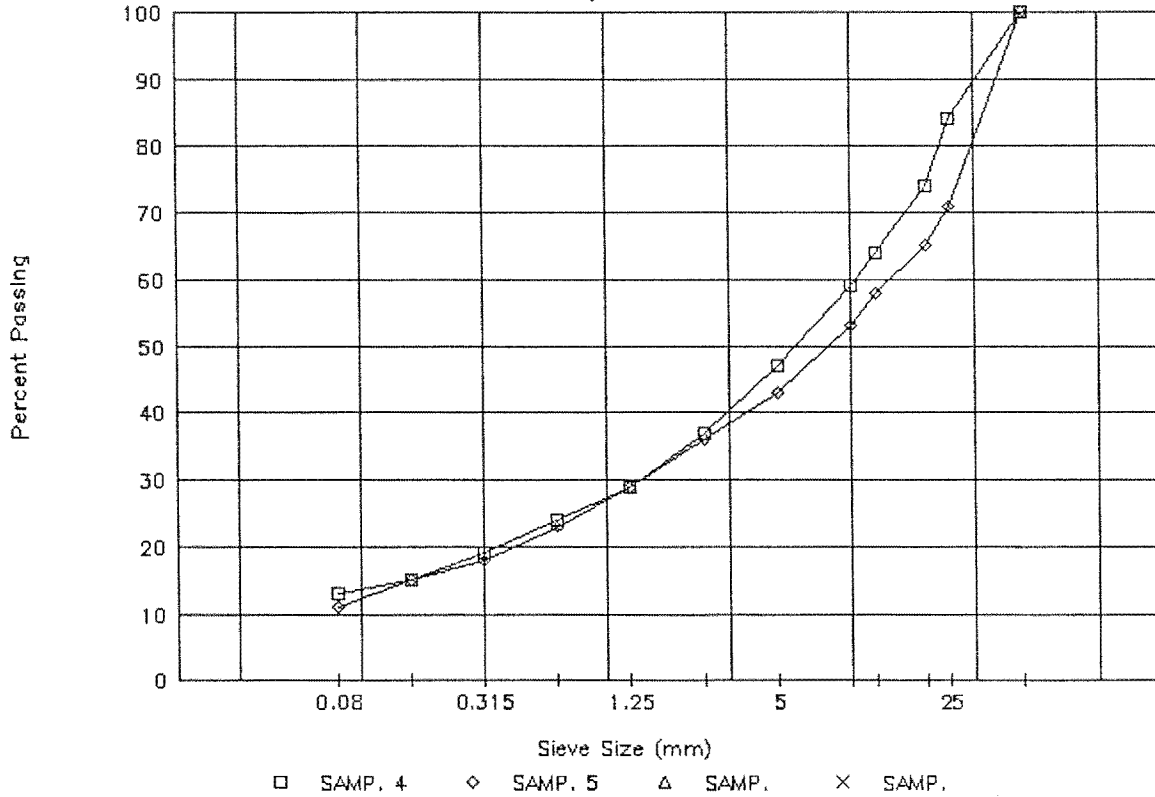
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-01



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-02



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-03
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+100 O/S 12M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 6
 LAB NO: 2000
 DEPTH: 0.9-1.3
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	95
20.0	87
12.5	78
10.0	73
5.0	62
2.5	54
2.0	--
1.25	44
0.840	--
0.630	33
0.420	--
0.315	21
0.160	14
0.150	--
0.080	10

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 38
 % SAND: 52
 % FINES: 10

CLASSIFICATION:
 POORLY GRADED
 SAND WITH SILT &
 GRAVEL (SP-SM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-04
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+275 O/S 20M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 7
 LAB NO: 2001
 DEPTH: 1.0-1.4
 TYPE: BULK

FIELD NO: 8
 LAB NO: 2002
 DEPTH: 2.8-3.2
 TYPE: BULK

FIELD NO: 9
 LAB NO: 2003
 DEPTH: 4.2-4.6
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	100
50.0	77
31.5	--
25.0	47
20.0	42
12.5	40
10.0	38
5.0	32
2.5	26
2.0	--
1.25	19
0.840	--
0.630	14
0.420	--
0.315	10
0.160	7
0.150	--
0.080	6

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	100
50.0	62
31.5	--
25.0	49
20.0	47
12.5	41
10.0	39
5.0	34
2.5	28
2.0	--
1.25	20
0.840	--
0.630	11
0.420	--
0.315	10
0.160	7
0.150	--
0.080	6

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	--
50.0	100
31.5	--
25.0	77
20.0	68
12.5	58
10.0	53
5.0	42
2.5	33
2.0	--
1.25	22
0.840	--
0.630	13
0.420	--
0.315	8
0.160	5
0.150	--
0.080	4

M.C. (%): 4

M.C. (%): 5

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 68
 % SAND: 26
 % FINES: 6

% GRAVEL: 66
 % SAND: 29
 % FINES: 6

% GRAVEL: 58
 % SAND: 38
 % FINES: 4

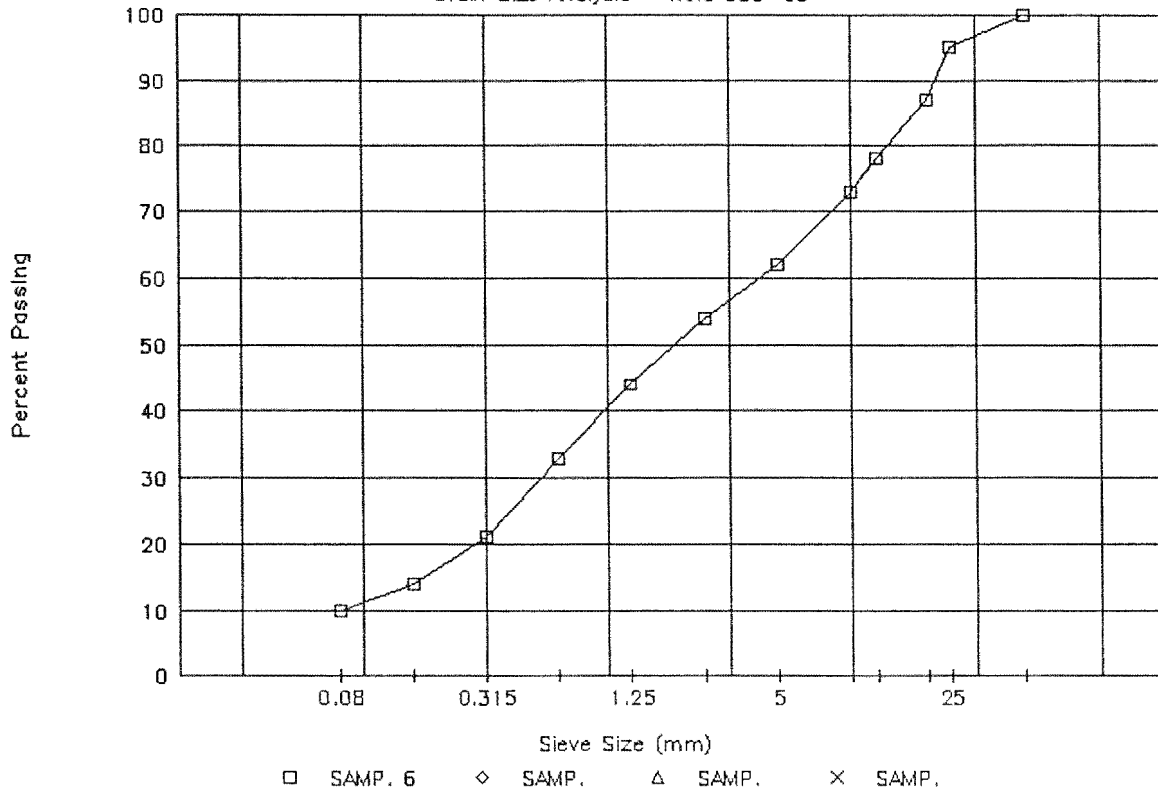
CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

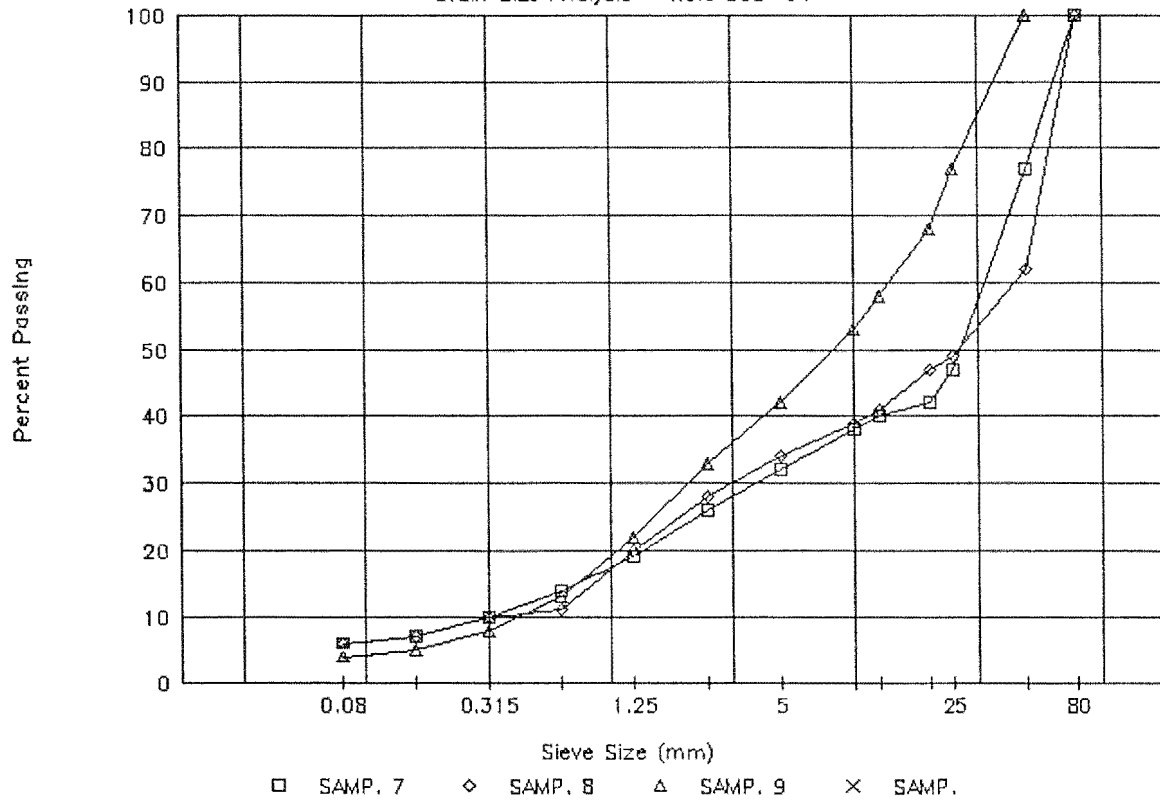
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-03



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-04



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-05
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+450
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 10
 LAB NO: 2004
 DEPTH: 1.1-1.5
 TYPE: BULK

FIELD NO: 11
 LAB NO: 2005
 DEPTH: 2.9-3.3
 TYPE: BULK

FIELD NO: 12
 LAB NO: 2006
 DEPTH: 4.0-4.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	55
31.5	--
25.0	35
20.0	34
12.5	31
10.0	28
5.0	22
2.5	18
2.0	--
1.25	13
0.840	--
0.630	9
0.420	--
0.315	7
0.160	5
0.150	--
0.080	4

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	70
20.0	61
12.5	54
10.0	51
5.0	41
2.5	33
2.0	--
1.25	24
0.840	--
0.630	17
0.420	--
0.315	12
0.160	9
0.150	--
0.080	7

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	76
20.0	67
12.5	58
10.0	52
5.0	42
2.5	35
2.0	--
1.25	28
0.840	--
0.630	22
0.420	--
0.315	17
0.160	14
0.150	--
0.080	11

M.C. (%): 4

M.C. (%): 4

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 78
 % SAND: 18
 % FINES: 4

% GRAVEL: 59
 % SAND: 34
 % FINES: 7

% GRAVEL: 58
 % SAND: 32
 % FINES: 11

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-06
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+625 O/S 12M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 13
 LAB NO: 2007
 DEPTH: 0.9-1.3
 TYPE: BULK

FIELD NO: 14
 LAB NO: 2008
 DEPTH: 2.9-3.3
 TYPE: BULK

FIELD NO: 15
 LAB NO: 2009
 DEPTH: 4.2-4.6
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	90
20.0	78
12.5	70
10.0	63
5.0	51
2.5	42
2.0	--
1.25	32
0.840	--
0.630	22
0.420	--
0.315	14
0.160	11
0.150	--
0.080	9

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	92
20.0	81
12.5	62
10.0	55
5.0	35
2.5	24
2.0	--
1.25	16
0.840	--
0.630	10
0.420	--
0.315	6
0.160	4
0.150	--
0.080	3

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	92
20.0	92
12.5	91
10.0	90
5.0	85
2.5	81
2.0	--
1.25	73
0.840	--
0.630	51
0.420	--
0.315	19
0.160	6
0.150	--
0.080	4

M.C. (%): 4

M.C. (%): 3

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 49
 % SAND: 43
 % FINES: 9

% GRAVEL: 65
 % SAND: 32
 % FINES: 3

% GRAVEL: 15
 % SAND: 82
 % FINES: 4

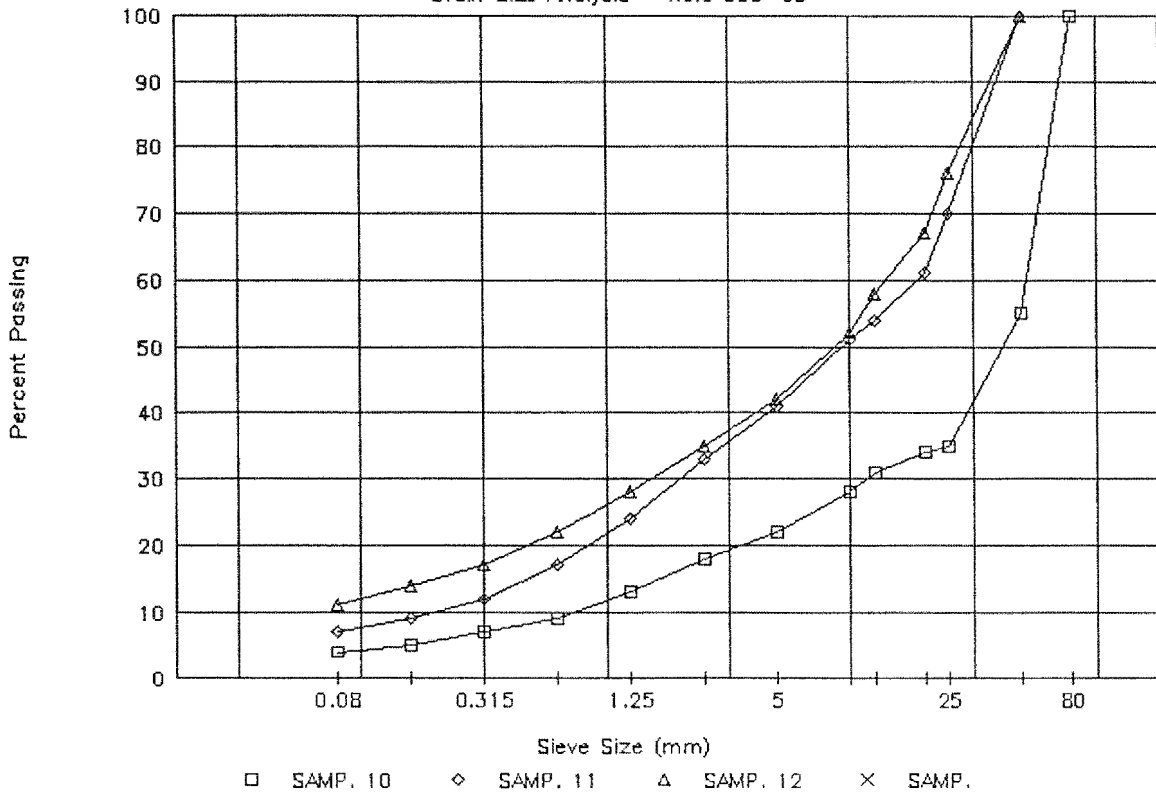
CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

CLASSIFICATION:
 POORLY GRADED
 SAND WITH GRAVEL
 (SP)

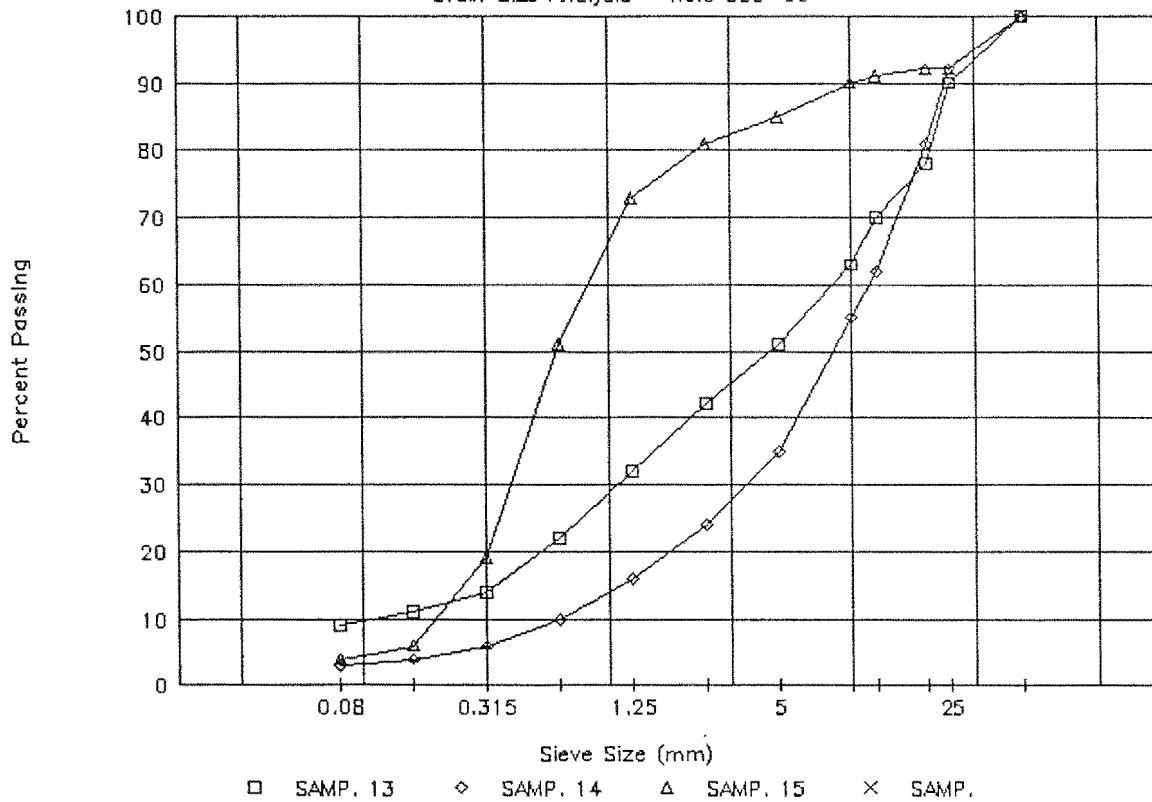
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-05



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-06



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-07
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+775
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 16
 LAB NO: 2010
 DEPTH: 0.8-1.2
 TYPE: BULK

FIELD NO: 17
 LAB NO: 2011
 DEPTH: 3.0-3.4
 TYPE: BULK

FIELD NO: 18
 LAB NO: 2012
 DEPTH: 3.9-4.3
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	90
31.5	--
25.0	74
20.0	73
12.5	64
10.0	60
5.0	48
2.5	38
2.0	--
1.25	26
0.840	--
0.630	16
0.420	--
0.315	8
0.160	5
0.150	--
0.080	4

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	84
20.0	79
12.5	62
10.0	56
5.0	42
2.5	31
2.0	--
1.25	23
0.840	--
0.630	16
0.420	--
0.315	11
0.160	9
0.150	--
0.080	8

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	81
20.0	69
12.5	55
10.0	50
5.0	36
2.5	28
2.0	--
1.25	19
0.840	--
0.630	11
0.420	--
0.315	6
0.160	4
0.150	--
0.080	3

M.C. (%): 3

M.C. (%): 3

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 52
 % SAND: 44
 % FINES: 4

% GRAVEL: 58
 % SAND: 34
 % FINES: 8

% GRAVEL: 64
 % SAND: 33
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-08
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+975
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 19
 LAB NO: 2013
 DEPTH: 0.8-1.2
 TYPE: BULK

FIELD NO: 20
 LAB NO: 2014
 DEPTH: 2.9-3.3
 TYPE: BULK

FIELD NO: 21
 LAB NO: 2015
 DEPTH: 4.0-4.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	82
20.0	80
12.5	71
10.0	67
5.0	58
2.5	50
2.0	--
1.25	37
0.840	--
0.630	21
0.420	--
0.315	11
0.160	7
0.150	--
0.080	5

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	45
20.0	41
12.5	35
10.0	33
5.0	25
2.5	20
2.0	--
1.25	14
0.840	--
0.630	9
0.420	--
0.315	5
0.160	3
0.150	--
0.080	3

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	76
31.5	--
25.0	64
20.0	58
12.5	43
10.0	37
5.0	29
2.5	22
2.0	--
1.25	16
0.840	--
0.630	10
0.420	--
0.315	5
0.160	4
0.150	--
0.080	3

M.C. (%): 4

M.C. (%): 3

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 42
 % SAND: 53
 % FINES: 5

% GRAVEL: 75
 % SAND: 23
 % FINES: 3

% GRAVEL: 71
 % SAND: 26
 % FINES: 3

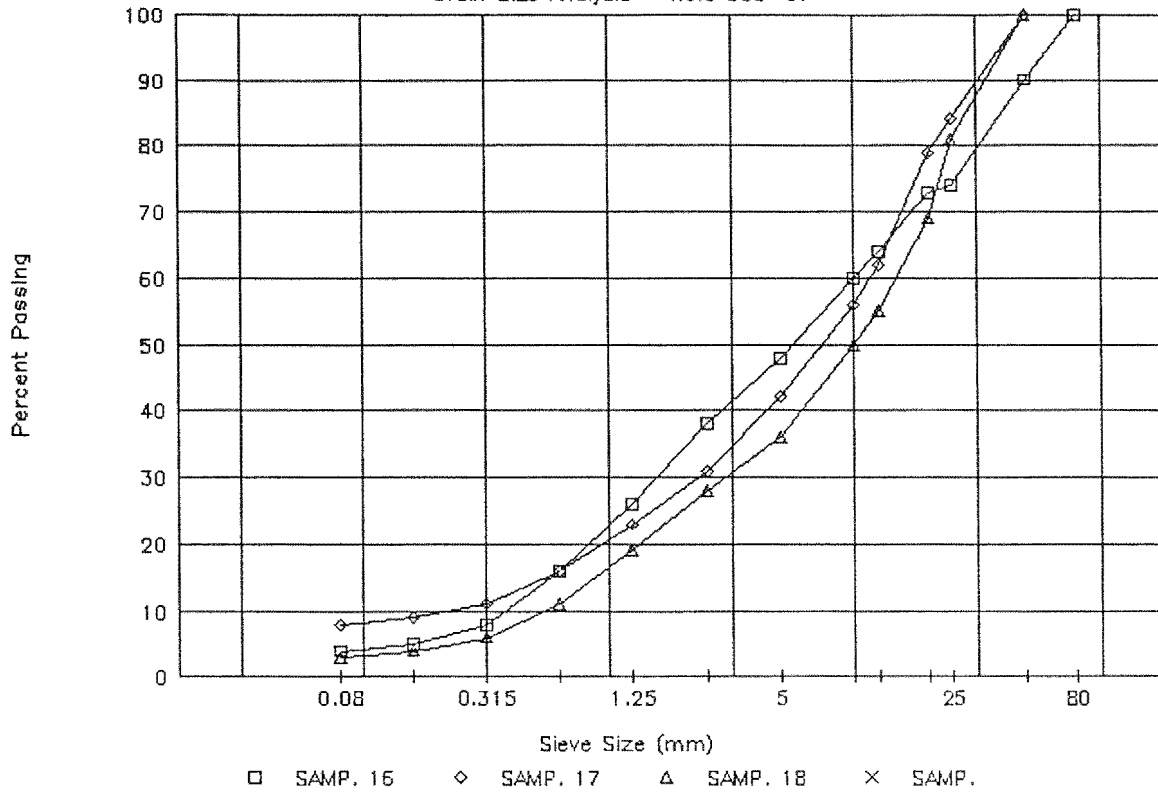
CLASSIFICATION:
 POORLY GRADED
 SAND WITH SILT &
 GRAVEL (SP-SM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

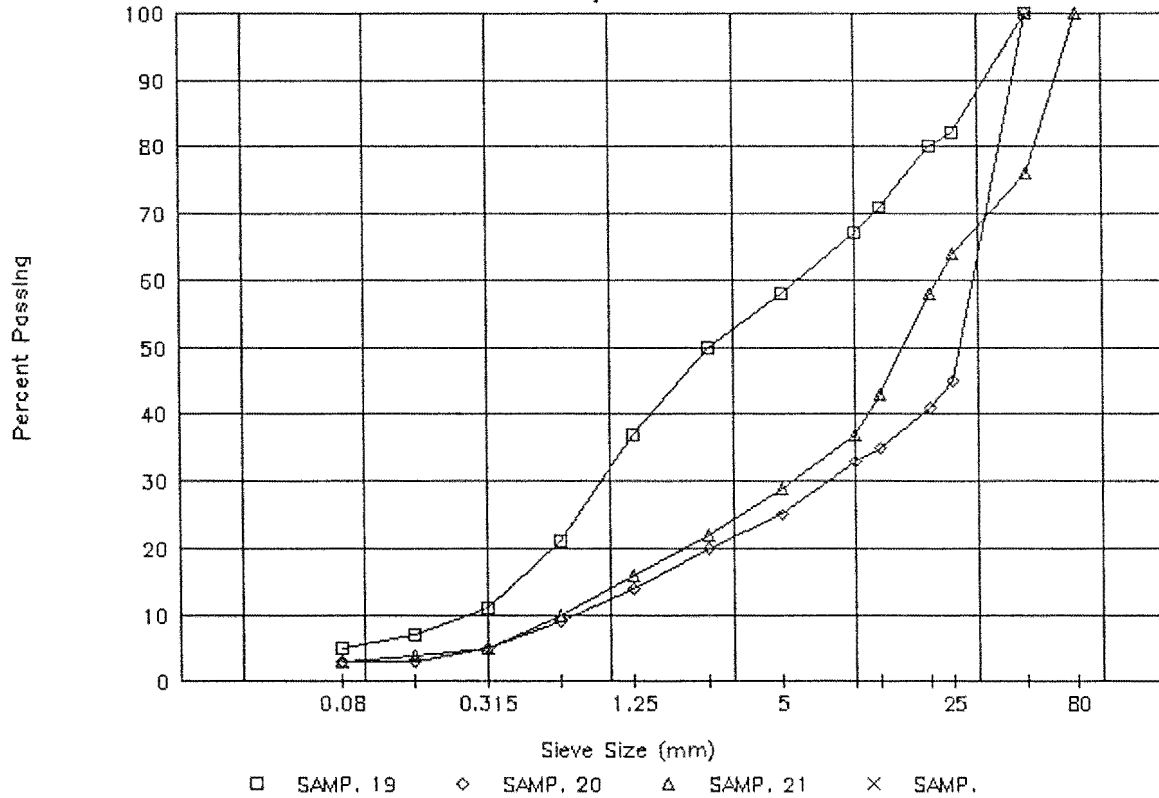
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-07



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-08



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-09
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+175 O/S 4M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 22
 LAB NO: 2016
 DEPTH: 0.9-1.3
 TYPE: BULK

FIELD NO: 23
 LAB NO: 2017
 DEPTH: 3.0-3.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	88
20.0	81
12.5	68
10.0	62
5.0	47
2.5	37
2.0	--
1.25	26
0.840	--
0.630	14
0.420	--
0.315	7
0.160	5
0.150	--
0.080	3

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	69
20.0	65
12.5	54
10.0	49
5.0	34
2.5	25
2.0	--
1.25	17
0.840	--
0.630	10
0.420	--
0.315	6
0.160	4
0.150	--
0.080	3

M.C. (%): 3

M.C. (%): 3

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 53
 % SAND: 43
 % FINES: 3

% GRAVEL: 66
 % SAND: 32
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-10
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+325 O/S 9M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 24
 LAB NO: 2018
 DEPTH: 1.0-1.4
 TYPE: BULK

FIELD NO: 25
 LAB NO: 2019
 DEPTH: 3.6-4.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	74
31.5	--
25.0	56
20.0	53
12.5	45
10.0	42
5.0	36
2.5	31
2.0	--
1.25	23
0.840	--
0.630	13
0.420	--
0.315	5
0.160	3
0.150	--
0.080	2

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	86
20.0	77
12.5	68
10.0	63
5.0	44
2.5	33
2.0	--
1.25	23
0.840	--
0.630	14
0.420	--
0.315	8
0.160	5
0.150	--
0.080	4

M.C. (%): 3

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 64
 % SAND: 34
 % FINES: 2

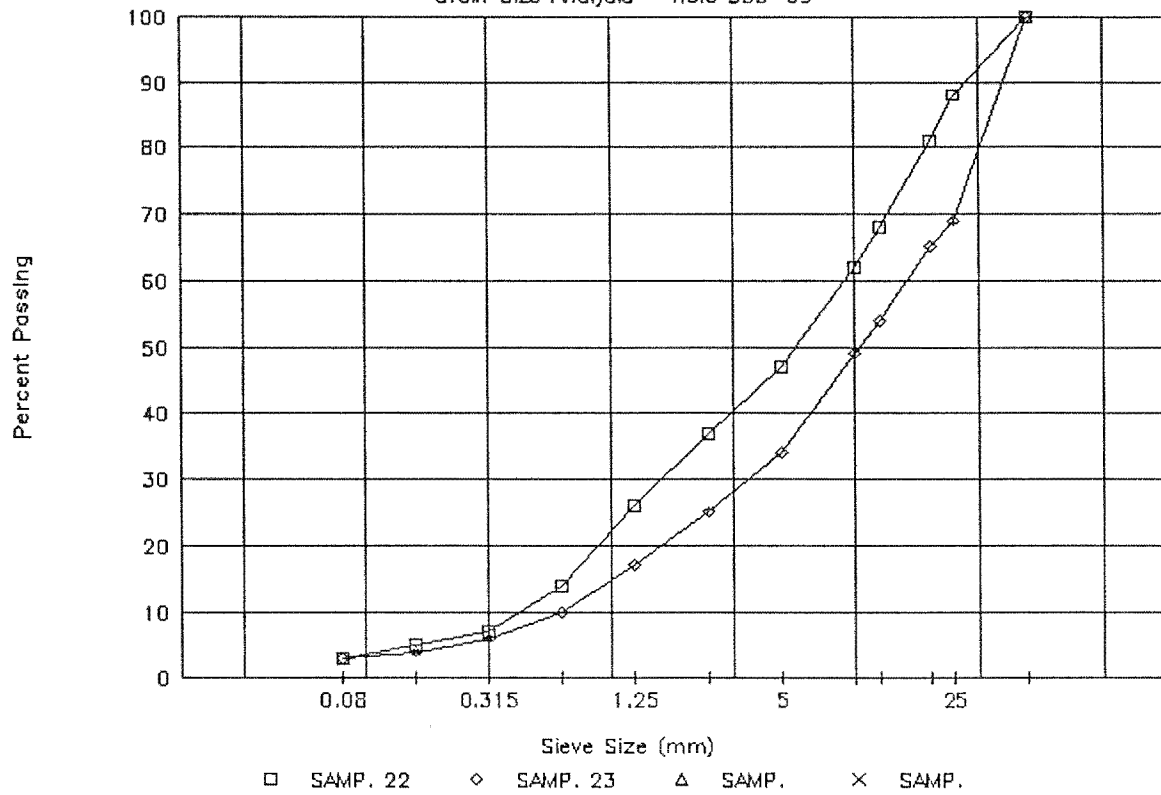
% GRAVEL: 56
 % SAND: 40
 % FINES: 4

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

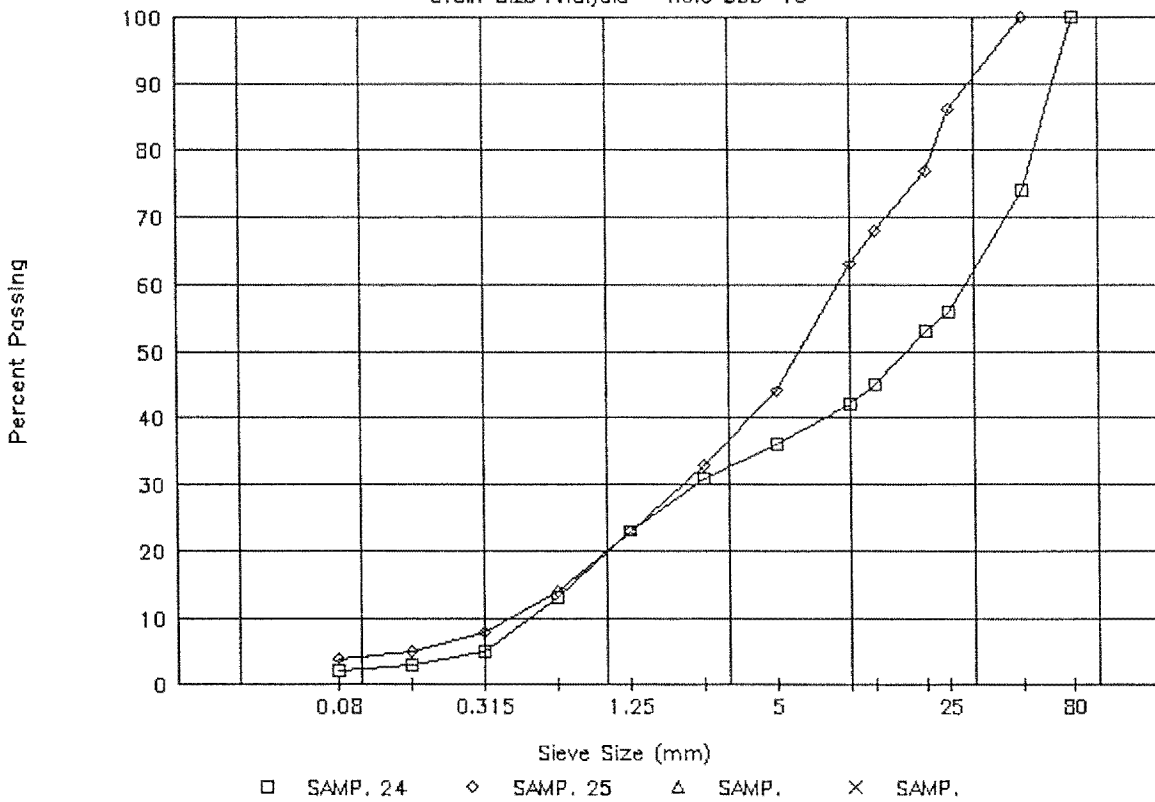
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-09



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-10



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-11
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+525
 LOGGED BY: DT DATE COMPLETED: 94.10.12

FIELD NO: 26
 LAB NO: 2020
 DEPTH: 1.2-1.6
 TYPE: BULK

FIELD NO: 27
 LAB NO: 2021
 DEPTH: 3.7-4.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	--
50.0	100
31.5	--
25.0	82
20.0	79
12.5	67
10.0	64
5.0	48
2.5	37
2.0	--
1.25	28
0.840	--
0.630	20
0.420	--
0.315	13
0.160	9
0.150	--
0.080	7

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	--
50.0	100
31.5	--
25.0	85
20.0	77
12.5	71
10.0	65
5.0	52
2.5	39
2.0	--
1.25	26
0.840	--
0.630	16
0.420	--
0.315	10
0.160	7
0.150	--
0.080	5

M.C. (%): 5

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 52
 % SAND: 41
 % FINES: 7

% GRAVEL: 48
 % SAND: 47
 % FINES: 5

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-12
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 18+875 O/S 80M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.13

FIELD NO: 28
 LAB NO: 2022
 DEPTH: 1.0-1.4
 TYPE: BULK

FIELD NO: 29
 LAB NO: 2023
 DEPTH: 3.2-3.6
 TYPE: BULK

FIELD NO: 30
 LAB NO: 2024
 DEPTH: 4.6-5.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	78
20.0	72
12.5	59
10.0	53
5.0	42
2.5	35
2.0	--
1.25	27
0.840	--
0.630	19
0.420	--
0.315	13
0.160	8
0.150	--
0.080	6

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	63
20.0	57
12.5	48
10.0	44
5.0	35
2.5	28
2.0	--
1.25	20
0.840	--
0.630	14
0.420	--
0.315	9
0.160	6
0.150	--
0.080	5

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	76
20.0	74
12.5	60
10.0	54
5.0	39
2.5	30
2.0	--
1.25	21
0.840	--
0.630	12
0.420	--
0.315	8
0.160	5
0.150	--
0.080	4

M.C. (%): 4

M.C. (%): 5

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 58
 % SAND: 36
 % FINES: 6

% GRAVEL: 65
 % SAND: 30
 % FINES: 5

% GRAVEL: 61
 % SAND: 35
 % FINES: 4

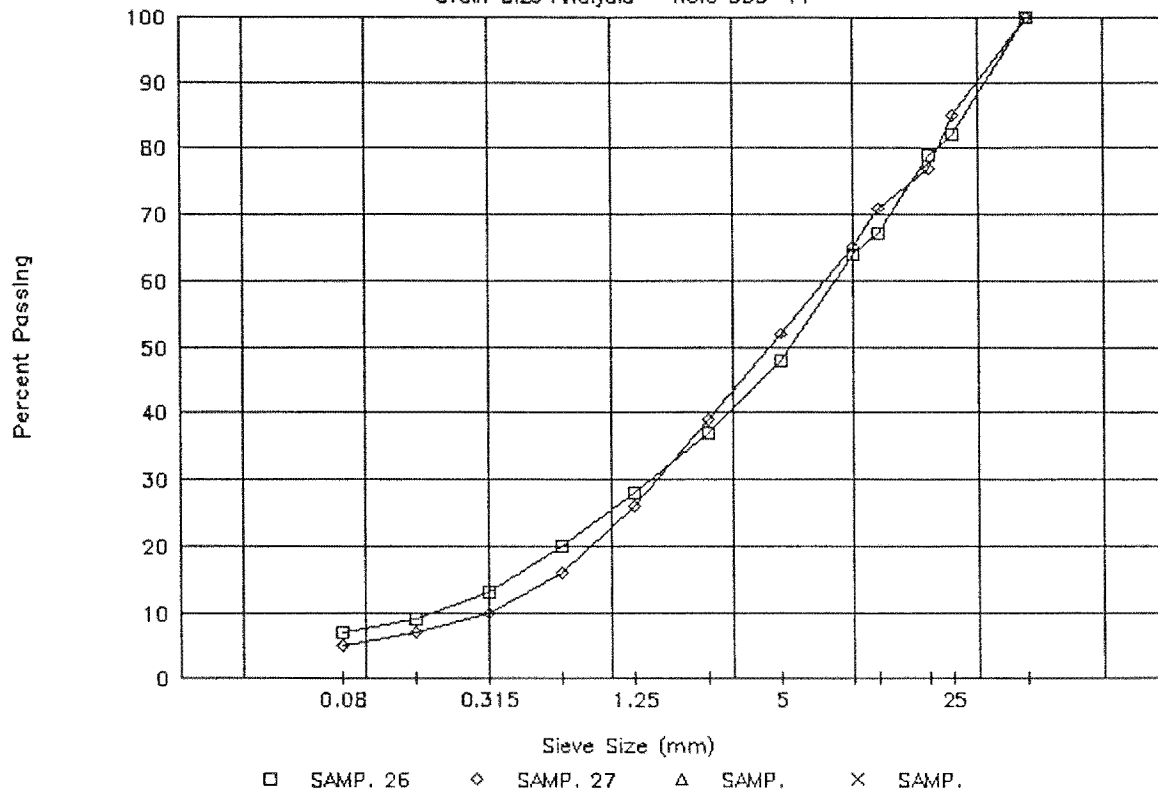
CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

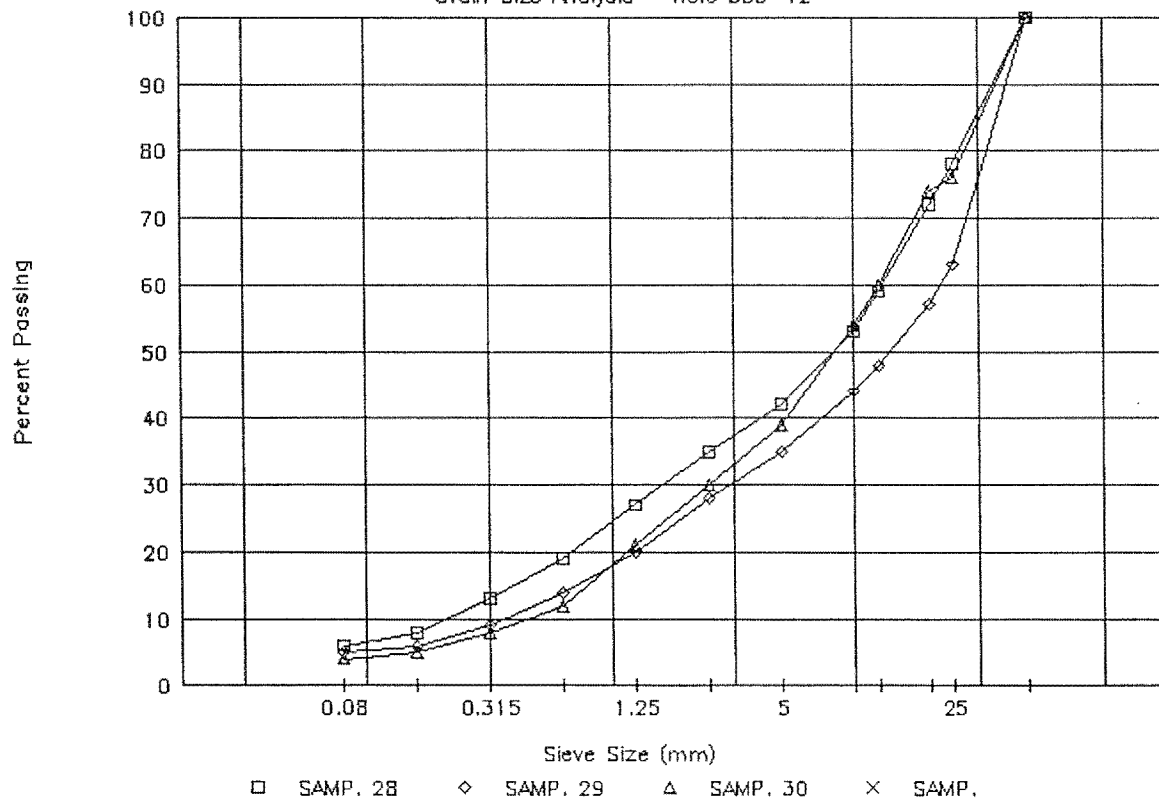
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-11



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-12



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-13
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+025 O/S 85M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.13

FIELD NO: 31
 LAB NO: 2025
 DEPTH: 1.0-1.4
 TYPE: BULK

FIELD NO: 32
 LAB NO: 2026
 DEPTH: 3.4-3.8
 TYPE: BULK

FIELD NO: 33
 LAB NO: 2027
 DEPTH: 4.6-5.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	77
31.5	--
25.0	43
20.0	42
12.5	36
10.0	32
5.0	26
2.5	22
2.0	--
1.25	17
0.840	--
0.630	12
0.420	--
0.315	8
0.160	5
0.150	--
0.080	4

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	82
20.0	76
12.5	66
10.0	61
5.0	48
2.5	36
2.0	--
1.25	24
0.840	--
0.630	14
0.420	--
0.315	9
0.160	6
0.150	--
0.080	4

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	100
20.0	97
12.5	90
10.0	87
5.0	76
2.5	63
2.0	--
1.25	46
0.840	--
0.630	26
0.420	--
0.315	12
0.160	8
0.150	--
0.080	6

M.C. (%): 3

M.C. (%): 4

M.C. (%): 6

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 74
 % SAND: 22
 % FINES: 4

% GRAVEL: 52
 % SAND: 44
 % FINES: 4

% GRAVEL: 24
 % SAND: 70
 % FINES: 6

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED SAND
 WITH SILT &
 GRAVEL (SW-SM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-14
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+175 O/S 100M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.13

FIELD NO: 34
 LAB NO: 2028
 DEPTH: 1.2-1.6
 TYPE: BULK

FIELD NO: 35
 LAB NO: 2029
 DEPTH: 3.3-3.7
 TYPE: BULK

FIELD NO: 36
 LAB NO: 2030
 DEPTH: 4.6-5.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	75
20.0	68
12.5	60
10.0	55
5.0	44
2.5	37
2.0	--
1.25	29
0.840	--
0.630	21
0.420	--
0.315	13
0.160	9
0.150	--
0.080	6

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	82
31.5	--
25.0	64
20.0	61
12.5	50
10.0	47
5.0	38
2.5	31
2.0	--
1.25	23
0.840	--
0.630	16
0.420	--
0.315	10
0.160	7
0.150	--
0.080	5

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	63
20.0	57
12.5	48
10.0	43
5.0	33
2.5	24
2.0	--
1.25	17
0.840	--
0.630	11
0.420	--
0.315	8
0.160	6
0.150	--
0.080	4

M.C. (%): --

M.C. (%): 4

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 56
 % SAND: 38
 % FINES: 6

% GRAVEL: 62
 % SAND: 33
 % FINES: 5

% GRAVEL: 67
 % SAND: 28
 % FINES: 4

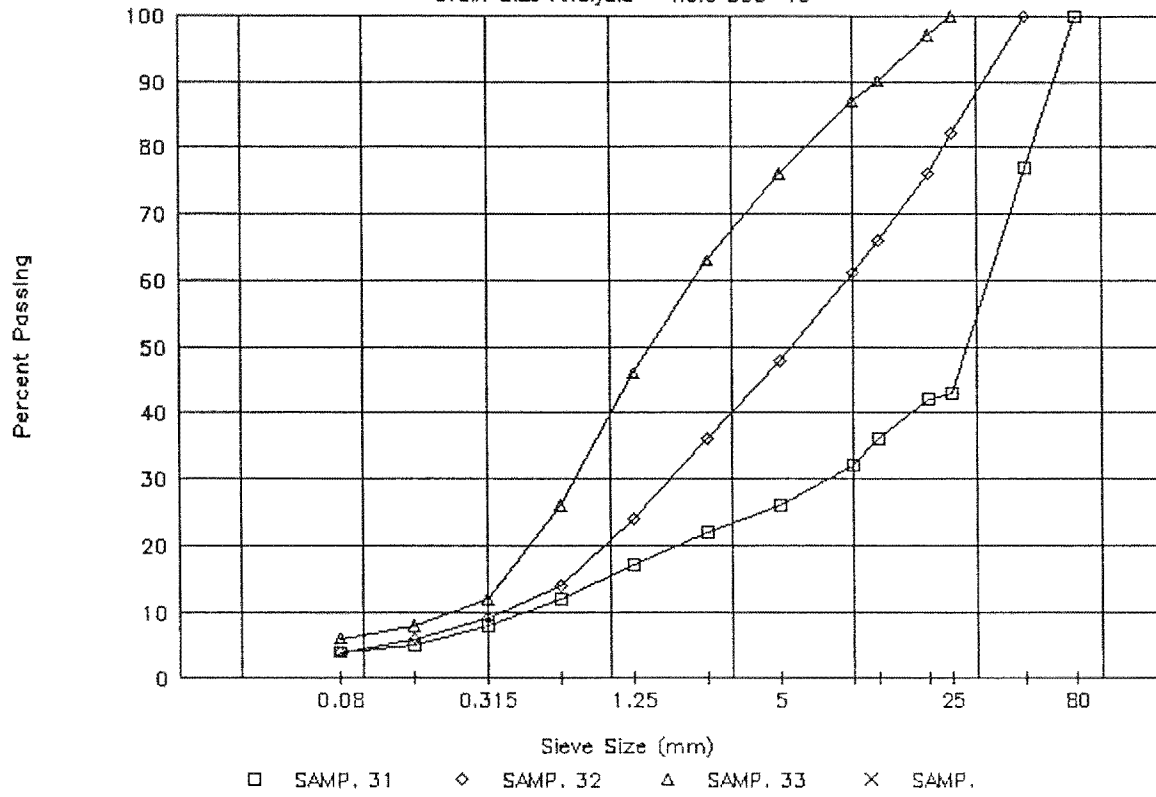
CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

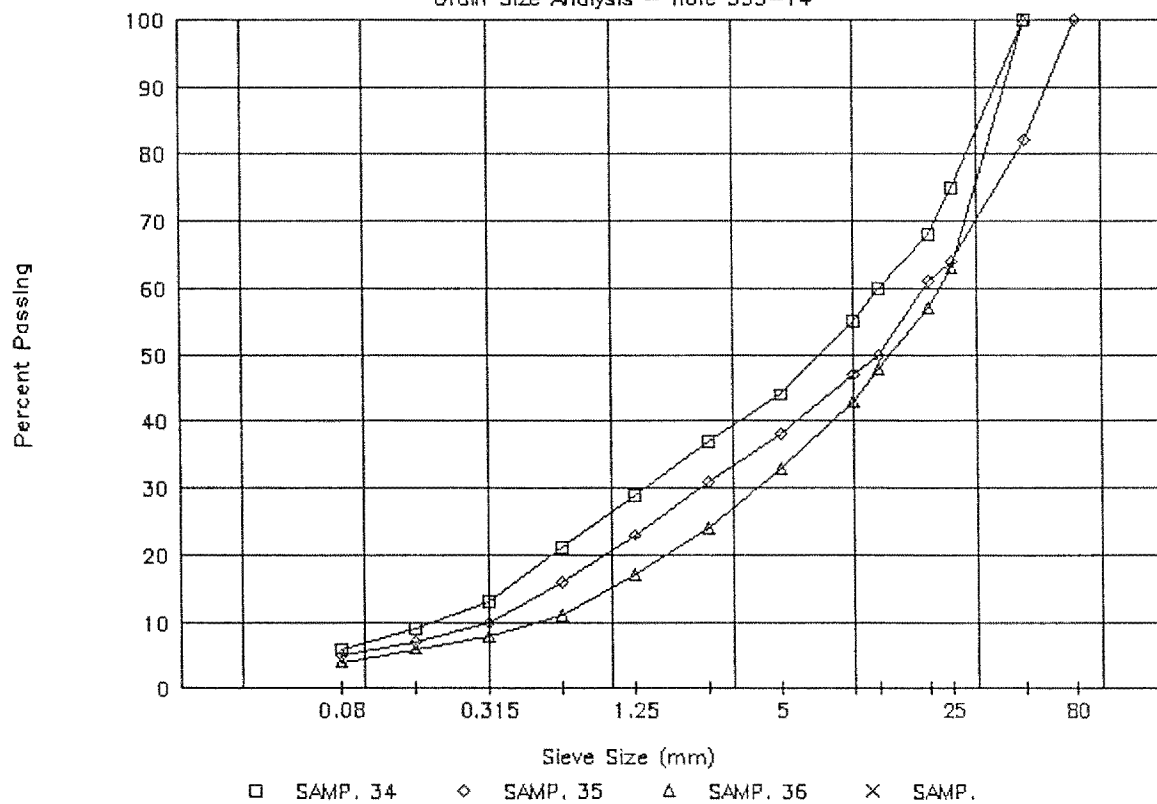
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-13



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-14



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-15
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+725 O/S 5M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 37	FIELD NO: 38	FIELD NO: 39
LAB NO: 2031	LAB NO: 2032	LAB NO: 2033
DEPTH: 0.8-1.2	DEPTH: 3.0-3.4	DEPTH: 4.2-4.6
TYPE: BULK SPILLED	TYPE: BULK	TYPE: BULK

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
100.0	--	100.0	--	100.0	--
80.0	--	80.0	100	80.0	100
50.0	--	50.0	74	50.0	55
31.5	--	31.5	--	31.5	--
25.0	--	25.0	61	25.0	46
20.0	--	20.0	57	20.0	41
12.5	--	12.5	51	12.5	37
10.0	--	10.0	48	10.0	35
5.0	--	5.0	40	5.0	30
2.5	--	2.5	31	2.5	24
2.0	--	2.0	--	2.0	--
1.25	--	1.25	19	1.25	16
0.840	--	0.840	--	0.840	--
0.630	--	0.630	10	0.630	10
0.420	--	0.420	--	0.420	--
0.315	--	0.315	5	0.315	7
0.160	--	0.160	4	0.160	5
0.150	--	0.150	--	0.150	--
0.080	--	0.080	3	0.080	4

M.C. (%): 3 M.C. (%): 3 M.C. (%): 4

LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.

% GRAVEL:	--	% GRAVEL:	60	% GRAVEL:	70
% SAND:	--	% SAND:	37	% SAND:	26
% FINES:	--	% FINES:	3	% FINES:	4

CLASSIFICATION:	CLASSIFICATION:	CLASSIFICATION:
	POORLY GRADED	POORLY GRADED
	GRAVEL WITH SAND	GRAVEL WITH SAND
	(GP)	(GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-16
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 19+925
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 40
 LAB NO: 2034
 DEPTH: 0.8-1.2
 TYPE: BULK

FIELD NO: 41
 LAB NO: 2035
 DEPTH: 2.8-3.2
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	77
20.0	68
12.5	64
10.0	60
5.0	51
2.5	45
2.0	--
1.25	36
0.840	--
0.630	22
0.420	--
0.315	9
0.160	5
0.150	--
0.080	4

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	69
31.5	--
25.0	69
20.0	59
12.5	51
10.0	47
5.0	36
2.5	28
2.0	--
1.25	21
0.840	--
0.630	14
0.420	--
0.315	9
0.160	6
0.150	--
0.080	5

M.C. (%): 5

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 49
 % SAND: 48
 % FINES: 4

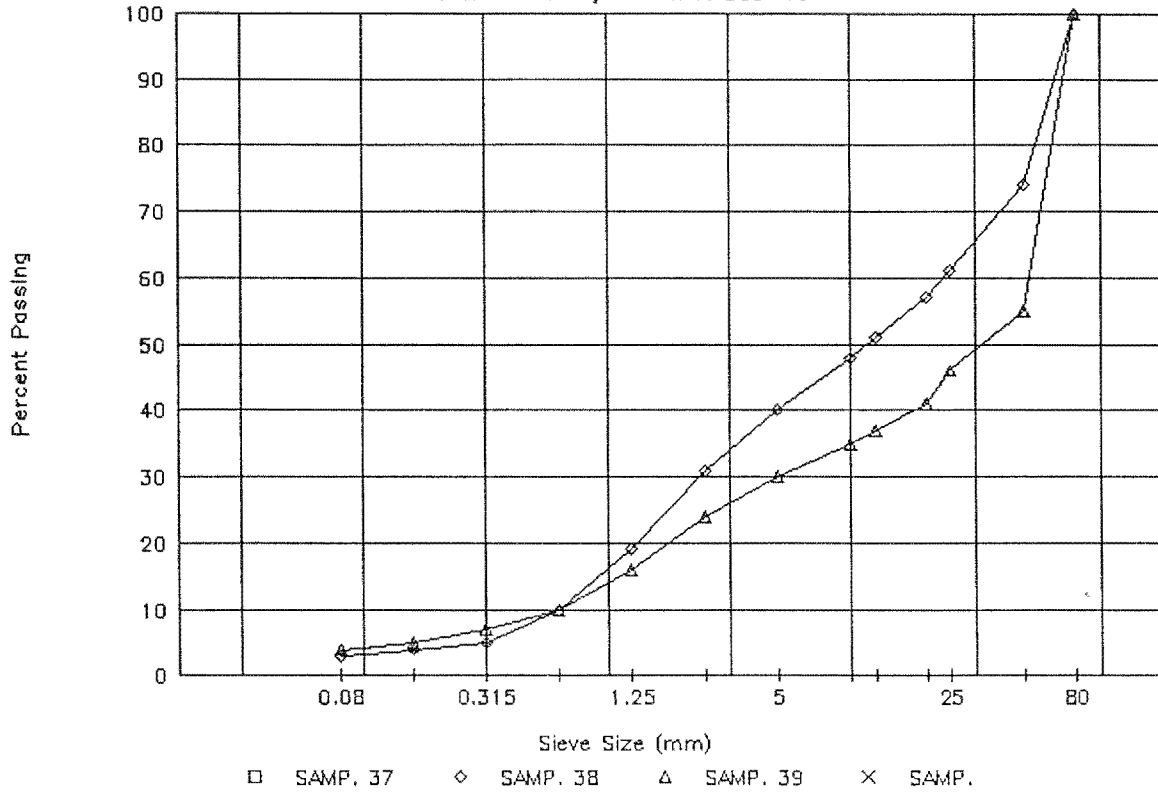
% GRAVEL: 64
 % SAND: 31
 % FINES: 5

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

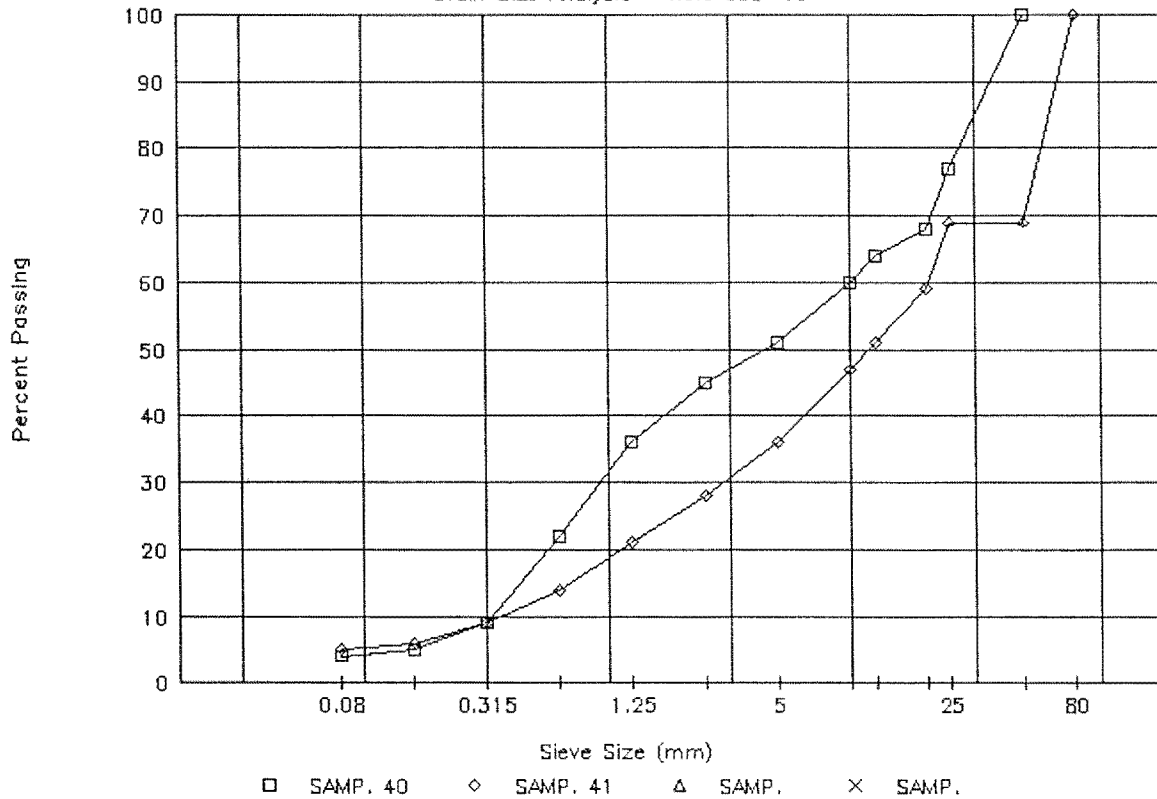
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-15



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-15



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-17
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+100 O/S 7M RT
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 42
 LAB NO: 2036
 DEPTH: 1.0-1.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	70
20.0	63
12.5	56
10.0	52
5.0	46
2.5	39
2.0	--
1.25	30
0.840	--
0.630	18
0.420	--
0.315	9
0.160	6
0.150	--
0.080	5

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 54
 % SAND: 41
 % FINES: 5

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-18
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+275 O/S RT
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 43
 LAB NO: 2037
 DEPTH: 1.4-1.8
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	98
20.0	90
12.5	81
10.0	78
5.0	71
2.5	66
2.0	--
1.25	62
0.840	--
0.630	56
0.420	--
0.315	46
0.160	34
0.150	--
0.080	24

M.C. (%): 7

LIMITS

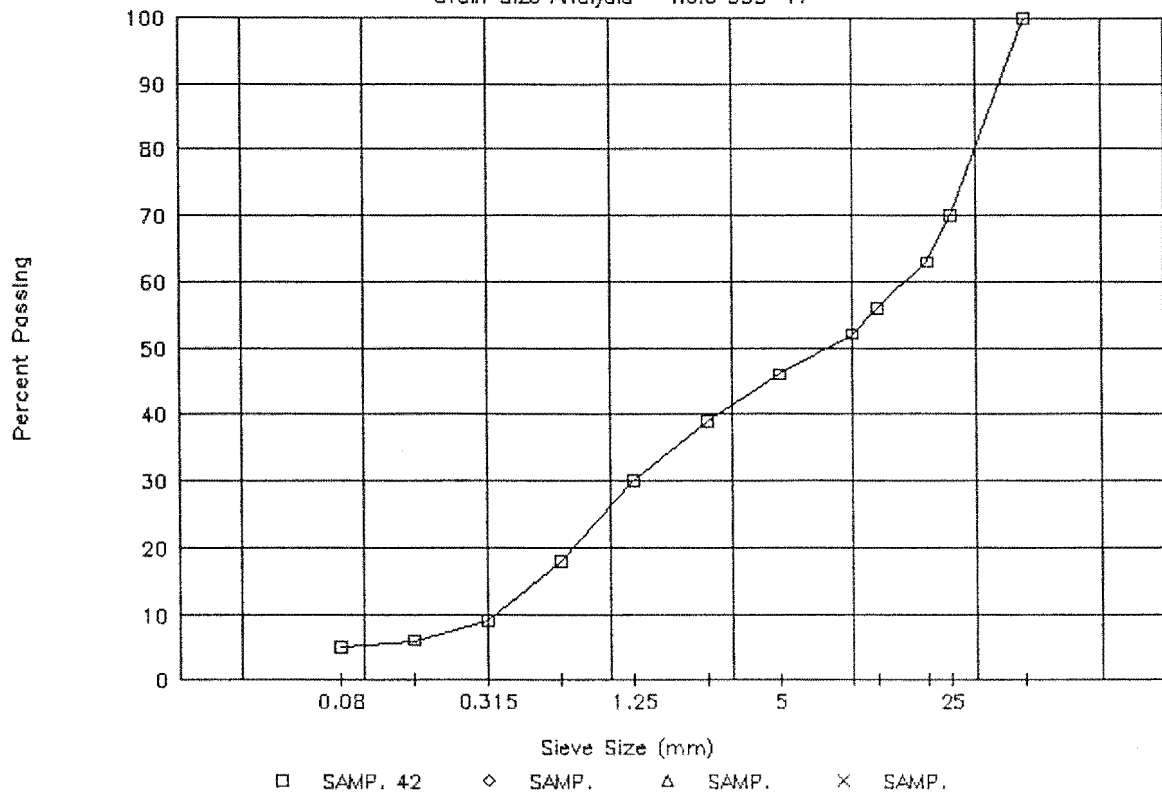
LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 29
 % SAND: 48
 % FINES: 24

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

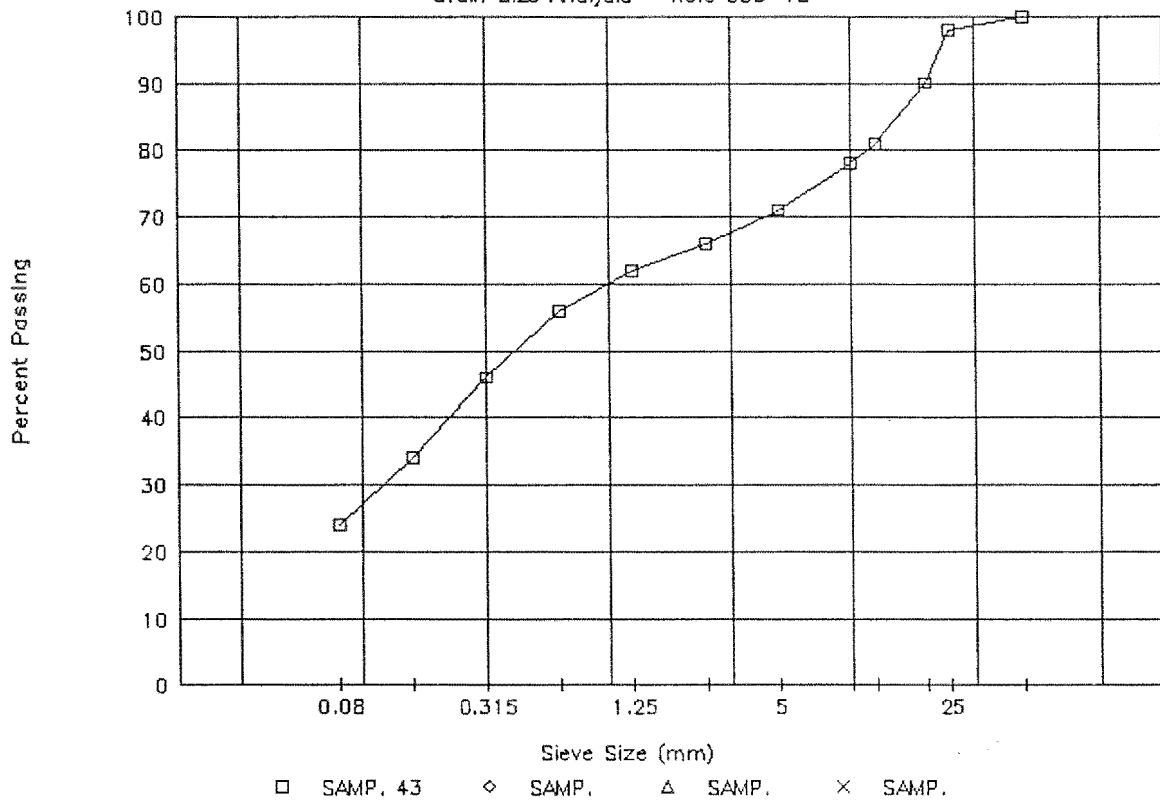
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-17



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-18



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-19
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+450
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 44
 LAB NO: 2038
 DEPTH: 1.2-1.6
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
------------	-----------------

100.0	--
80.0	--
50.0	100
31.5	--
25.0	78
20.0	76
12.5	68
10.0	67
5.0	60
2.5	56
2.0	--
1.25	51
0.840	--
0.630	47
0.420	--
0.315	38
0.160	27
0.150	--
0.080	20

M.C. (%): 5

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 40
 % SAND: 40
 % FINES: 20

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-20
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+550 O/S 4M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 45
 LAB NO: 2039
 DEPTH: 0.8-1.2
 TYPE: BULK

FIELD NO: 46
 LAB NO: 2040
 DEPTH: 4.2-4.6
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	90
20.0	90
12.5	80
10.0	77
5.0	70
2.5	65
2.0	--
1.25	60
0.840	--
0.630	55
0.420	--
0.315	47
0.160	36
0.150	--
0.080	26

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	79
20.0	74
12.5	68
10.0	65
5.0	58
2.5	52
2.0	--
1.25	44
0.840	--
0.630	30
0.420	--
0.315	11
0.160	6
0.150	--
0.080	4

M.C. (%): 5

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 30
 % SAND: 44
 % FINES: 26

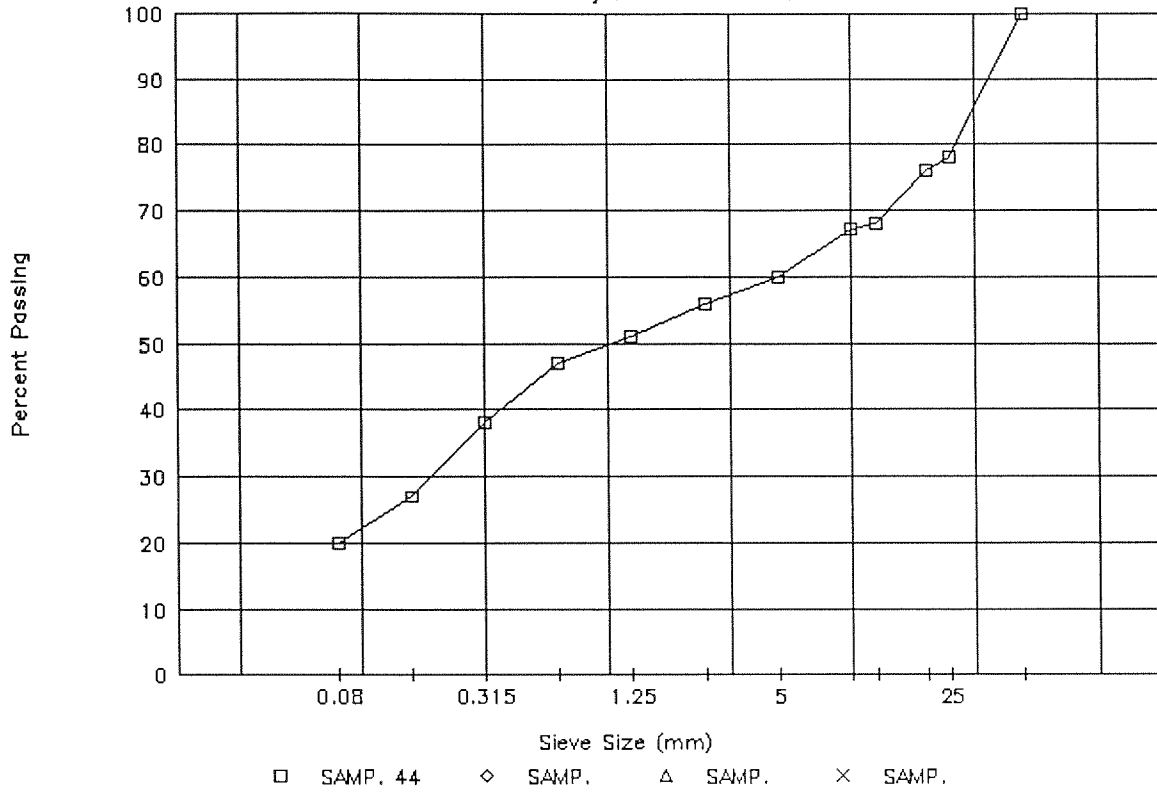
% GRAVEL: 42
 % SAND: 54
 % FINES: 4

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 POORLY GRADED
 SAND WITH GRAVEL
 (SP)

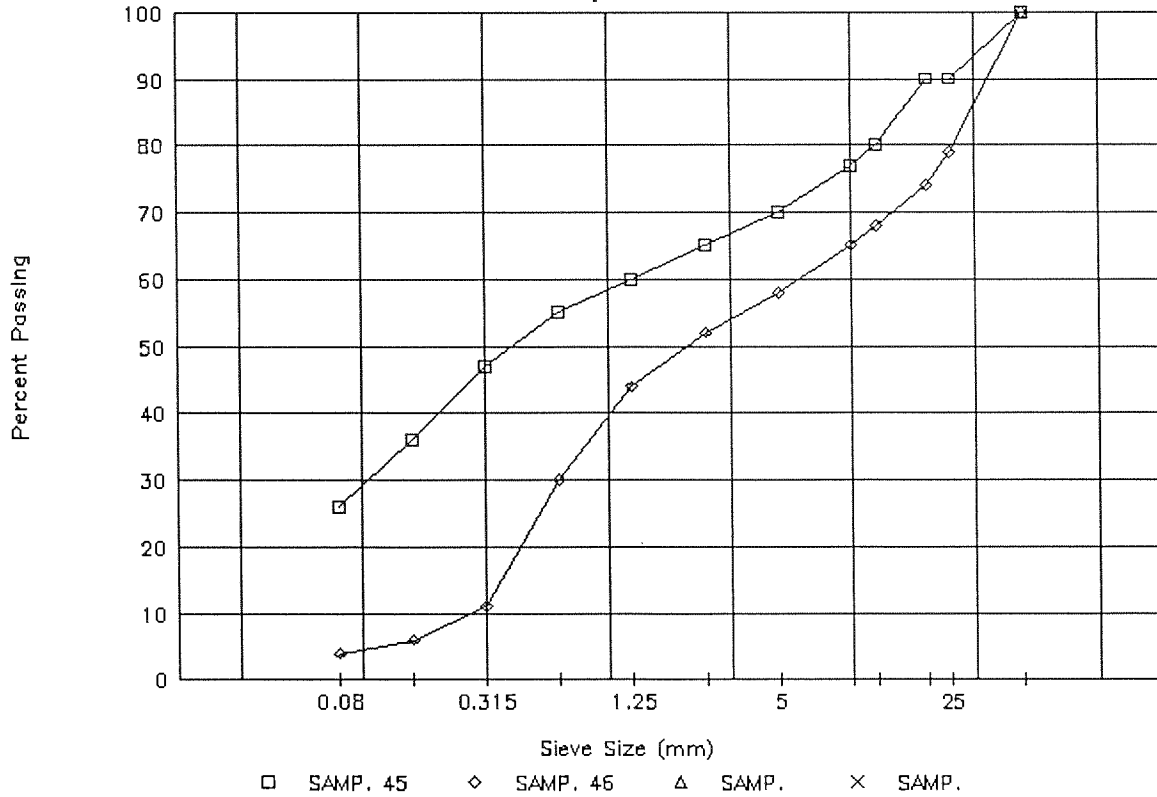
Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-19



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-20

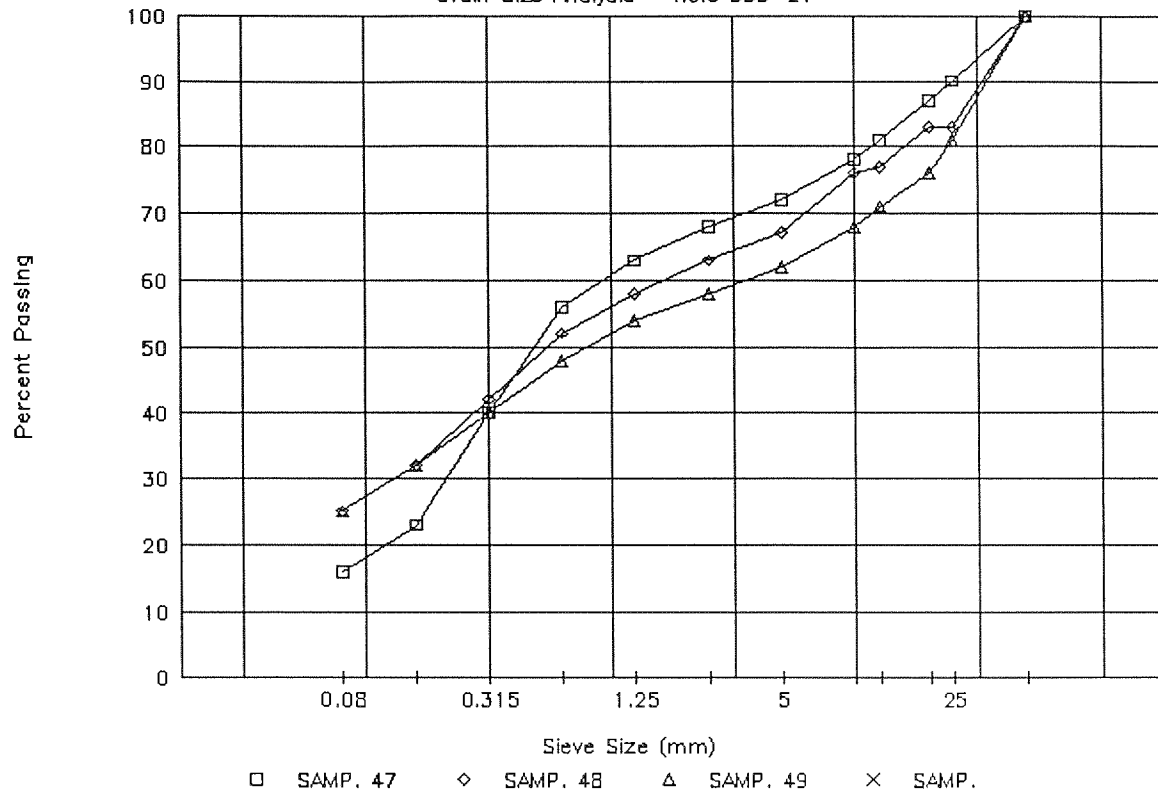


PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 333-21
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+750
 LOGGED BY: DT DATE COMPLETED: 94.10.14

FIELD NO: 47		FIELD NO: 48		FIELD NO: 49	
LAB NO: 2041		LAB NO: 2042		LAB NO: 2043	
DEPTH: 1.2-1.6		DEPTH: 3.2-3.6		DEPTH: 4.6-5.0	
TYPE: BULK		TYPE: BULK		TYPE: BULK	
SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
100.0	--	100.0	--	100.0	--
80.0	--	80.0	--	80.0	--
50.0	100	50.0	100	50.0	100
31.5	--	31.5	--	31.5	--
25.0	90	25.0	83	25.0	81
20.0	87	20.0	83	20.0	76
12.5	81	12.5	77	12.5	71
10.0	78	10.0	76	10.0	68
5.0	72	5.0	67	5.0	62
2.5	68	2.5	63	2.5	58
2.0	--	2.0	--	2.0	--
1.25	63	1.25	58	1.25	54
0.840	--	0.840	--	0.840	--
0.630	56	0.630	52	0.630	48
0.420	--	0.420	--	0.420	--
0.315	40	0.315	42	0.315	40
0.160	23	0.160	32	0.160	32
0.150	--	0.150	--	0.150	--
0.080	16	0.080	25	0.080	25
M.C. (%) :	3	M.C. (%) :	5	M.C. (%) :	7
LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.
% GRAVEL:	28	% GRAVEL:	33	% GRAVEL:	38
% SAND:	57	% SAND:	42	% SAND:	37
% FINES:	16	% FINES:	25	% FINES:	25
CLASSIFICATION:	SILTY SAND WITH GRAVEL (SM)	CLASSIFICATION:	SILTY SAND WITH GRAVEL (SM)	CLASSIFICATION:	SILTY GRAVEL WITH SAND (GM)

Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 333-21



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 334-22
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 20+950 O/S 4M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.15

FIELD NO: 50
 LAB NO: 2044
 DEPTH: 0.7-1.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	85
20.0	83
12.5	78
10.0	75
5.0	69
2.5	65
2.0	--
1.25	60
0.840	--
0.630	54
0.420	--
0.315	39
0.160	23
0.150	--
0.080	16

M.C. (%): 5

LIMITS

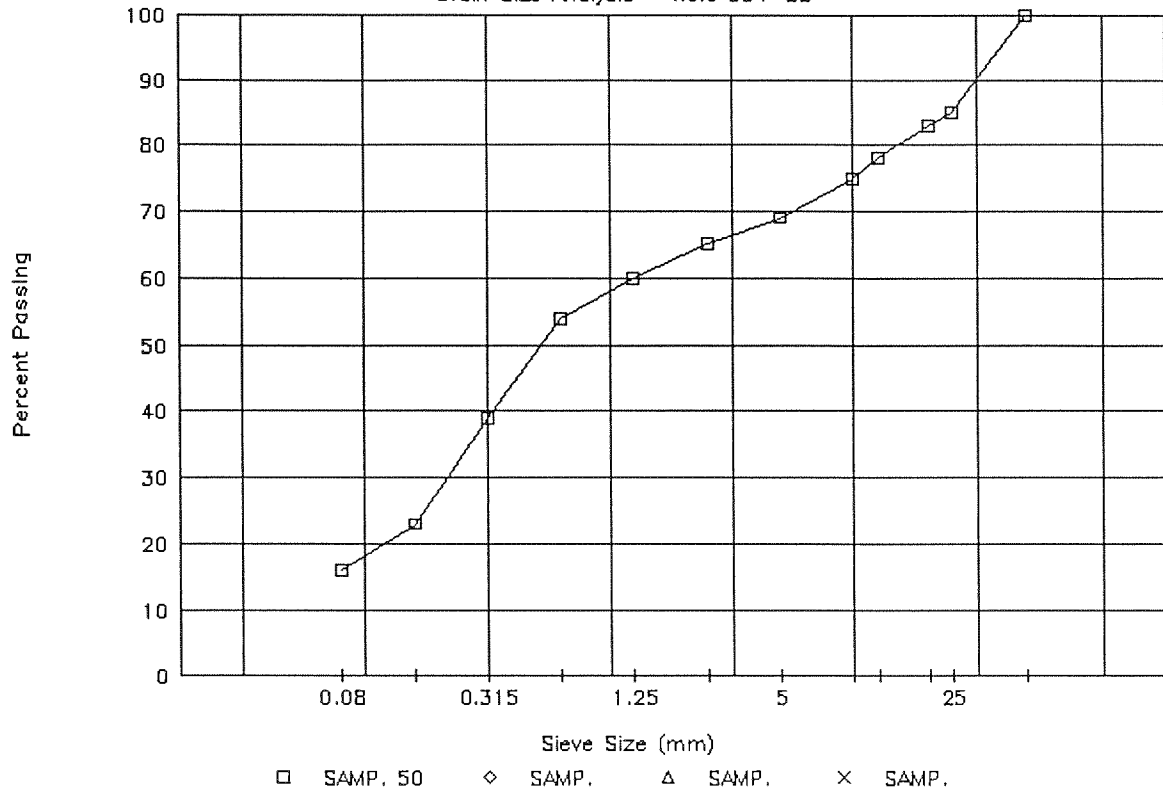
LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 31
 % SAND: 53
 % FINES: 16

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 334-22



PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 334-23
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 21+075 O/S 3M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.15

FIELD NO: 51
 LAB NO: 2045
 DEPTH: 1.0-1.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	73
31.5	--
25.0	71
20.0	66
12.5	59
10.0	56
5.0	50
2.5	45
2.0	--
1.25	42
0.840	--
0.630	36
0.420	--
0.315	27
0.160	19
0.150	--
0.080	14

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 50
 % SAND: 36
 % FINES: 14

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 334-25
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 17.8-21.4
 DRILL UNIT: BACKHOE: HEIN-WERNER C-12B
 HOLE LOCATION: STA 21+310 O/S 12M LT
 LOGGED BY: DT DATE COMPLETED: 94.10.15

FIELD NO: 52
 LAB NO: 2046
 DEPTH: 1.5-1.9
 TYPE: BULK

FIELD NO: 53
 LAB NO: 2047
 DEPTH: 4.2-4.6
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	92
20.0	89
12.5	83
10.0	80
5.0	74
2.5	69
2.0	--
1.25	65
0.840	--
0.630	58
0.420	--
0.315	46
0.160	32
0.150	--
0.080	22

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	73
31.5	--
25.0	73
20.0	68
12.5	60
10.0	57
5.0	50
2.5	46
2.0	--
1.25	42
0.840	--
0.630	37
0.420	--
0.315	28
0.160	20
0.150	--
0.080	14

M.C. (%): 4

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 26
 % SAND: 51
 % FINES: 22

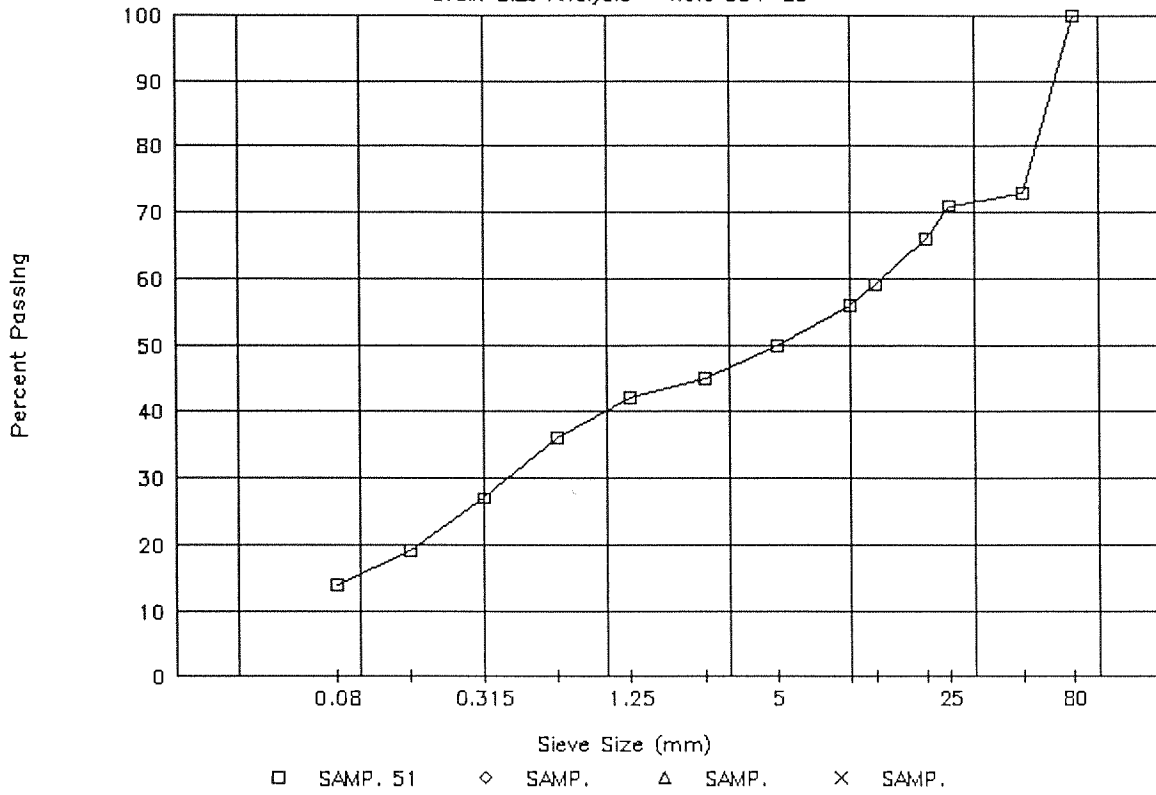
% GRAVEL: 50
 % SAND: 36
 % FINES: 14

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 334-23



Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 334-25

