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GEOTECHNICAL INVESTIGATION



Community and Transportation
Services
Transportation Engineering
Geotechnical Services

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HIGHWAY CONSTRUCTION
km 9.5 to km 13.8
FREEGOLD ROAD #203
YUKON
CENTRELINE AND GRANULAR TESTING

This Data Package prepared for project viewing:

March, 1995

Transportation Engineering Branch
Geotechnical Services
201 Range Road
Whitehorse, Yukon

GEOTECHNICAL INVESTIGATION
HIGHWAY CONSTRUCTION
km 9.5 to km 13.8, FREEGOLD ROAD, Y.T.
CENTRELINE AND GRANULAR TESTING

CONTENTS

INTRODUCTION

Investigation notes, classification methods and legends

CENTRELINE TESTING

Subsurface exploration and testing report sheets are provided. The reports for the centreline holes are arranged according to project location, starting at km 9+540 and increasing to km 13+890.

Backhoe Testing

1966 TEST HOLES 56 to 84 shown with prefix 66-,

GRANULAR TESTING

Subsurface exploration and testing report sheets and a location plan are provided.

Backhoe Testing

1993 TEST HOLES 10 TO 13 shown with prefix 255-

GEOTECHNICAL INVESTIGATION
HIGHWAY CONSTRUCTION
km 9.5 to km 13.8, FREEGOLD ROAD, Y.T.
CENTRELINE AND GRANULAR TESTING

INTRODUCTION

GEOTECHNICAL INVESTIGATION
HIGHWAY CONSTRUCTION
km 9.5 to km 13.8, FREEGOLD ROAD, Y.T.
CENTRELINE AND GRANULAR TESTING

GEOTECHNICAL INVESTIGATION DATA

This geotechnical investigation data is provided to assist in the interpretation of soil conditions encountered within this project area. The data presented was prepared solely for Departmental designing and estimating purposes.

The description of material/soil description shown on the subsurface exploration and test reports is a textural description based on identification of retrieved material by the field drilling technician at the time of investigation. This description may be modified following laboratory testing and classification of selected samples. The system used is based on the ASTM standards for identification and classification of soils. Permafrost classifications and groundwater levels are indicated as detected at time of drilling, unless otherwise noted. Changes in moisture or frost conditions should be anticipated depending on the season, time lapse or amount of development work done since the date of investigation.

The sample identification and laboratory testing data is provided to give detailed physical properties of selected retrieved samples within the subsurface profile. *These tests may be conducted on disturbed samples and may exhibit properties different from the native materials. The sample classification may also vary from the soil description due to variations within the sampled strata or because of changes resulting from the sampling method or excavation equipment used.*

These descriptions are not intended to be conclusive as to the nature of any material encountered, or to conditions between or around the test borings/pits.

It is recommended that a site inspection, combined with consideration of the regional geology and climatic conditions be conducted. An evaluation of the investigation methods and development work done since the time of investigation should be done prior to interpreting the subsurface conditions for construction purposes.

GEOTECHNICAL INVESTIGATION
HIGHWAY CONSTRUCTION
km 9.5 to km 13.8, FREEGOLD ROAD, Y.T.
CENTRELINE AND GRANULAR TESTING

CENTRELINE TESTING

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-56
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 9+540	ELEVATION: 0.00 (m)

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

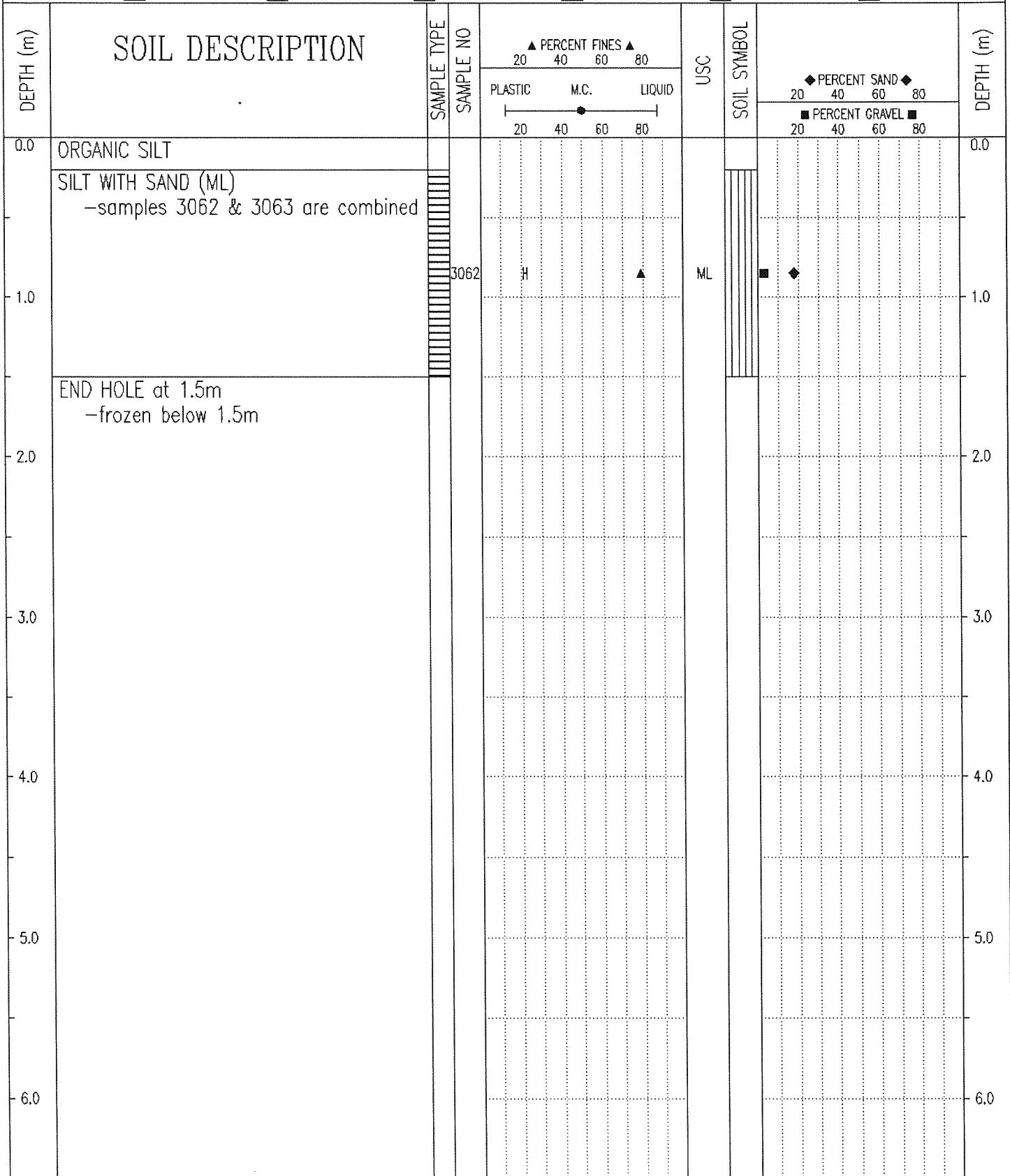
DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	PERCENT FINES ▲			USC	SOIL SYMBOL	PERCENT SAND ◆		PERCENT GRAVEL ■		DEPTH (m)
				20	40	60			80	20	40	60	
0.0	ORGANIC SILT SILT (ML)											0.0	
1.0			3061	H			ML	◆				1.0	
2.0	END HOLE at 1.5m -frozen at 1.5m											2.0	
3.0												3.0	
4.0												4.0	
5.0												5.0	
6.0												6.0	

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COMPLETION DEPTH: 1.5 m
COMPLETE: 66/07/12

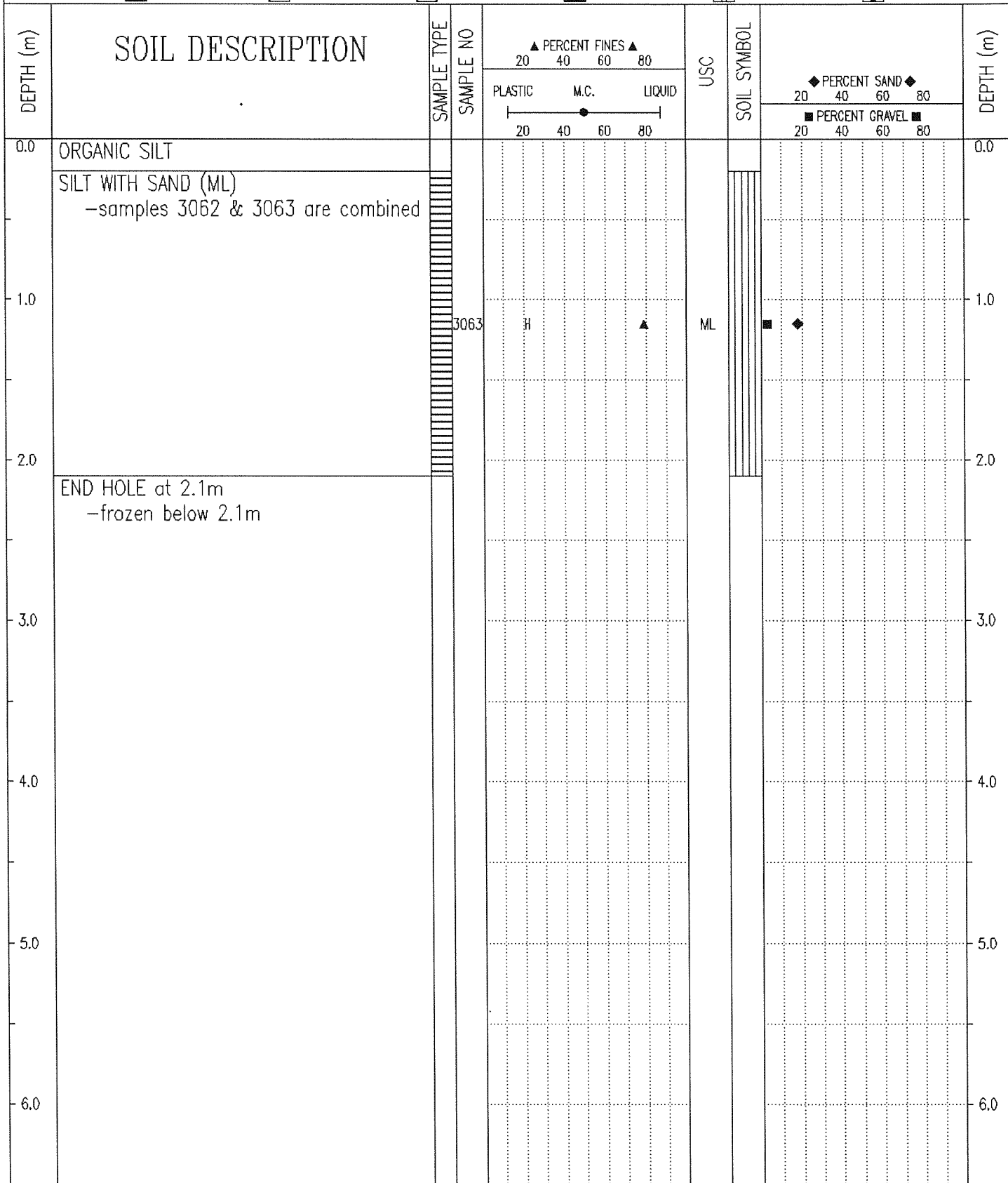
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-57
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 9+690	ELEVATION: 0.00 (m)
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		<input type="checkbox"/> BULK
		<input type="checkbox"/> TUBE
		<input type="checkbox"/> CORE



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REVIEWED BY:	COMPLETE: 66/07/13
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-58
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 9+840	ELEVATION: 0.00 (m)
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	<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
		<input type="checkbox"/> CORE



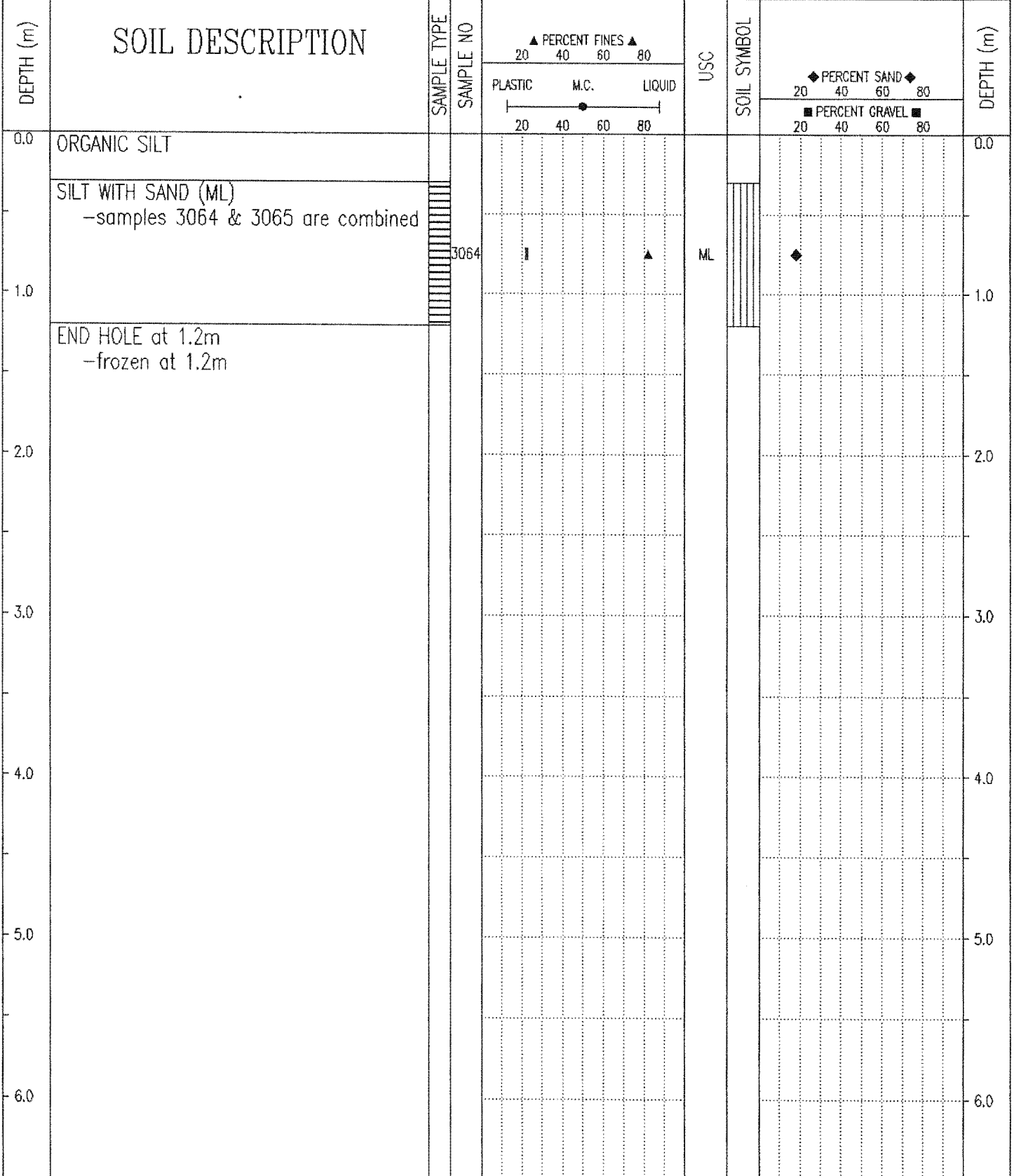
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Fig. No:

COMPLETION DEPTH: 2.1 m
COMPLETE: 66/07/13

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-59
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+000	ELEVATION: 0.00 (m)

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

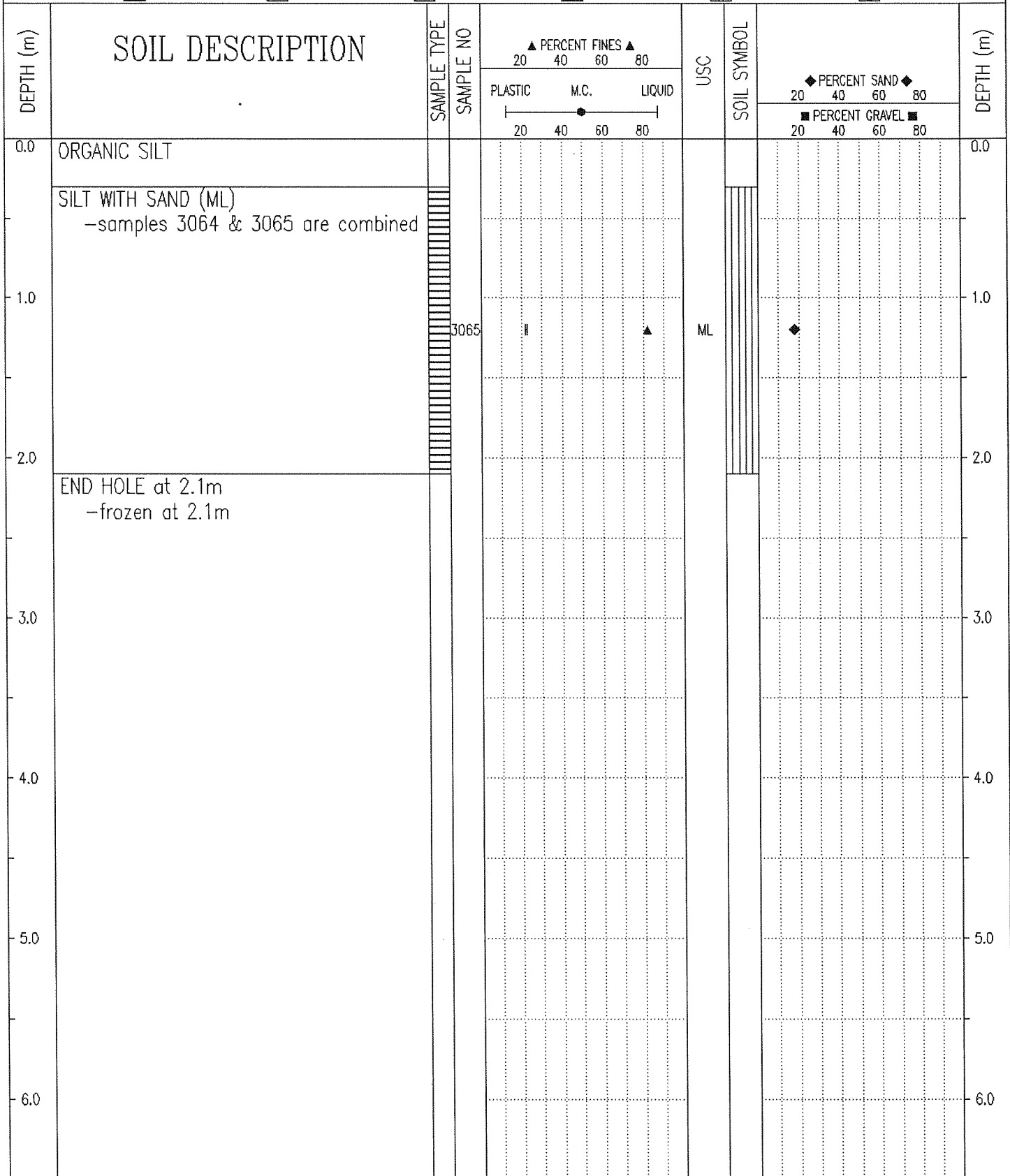


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COMPLETION DEPTH: 1.2 m
COMPLETE: 66/07/13

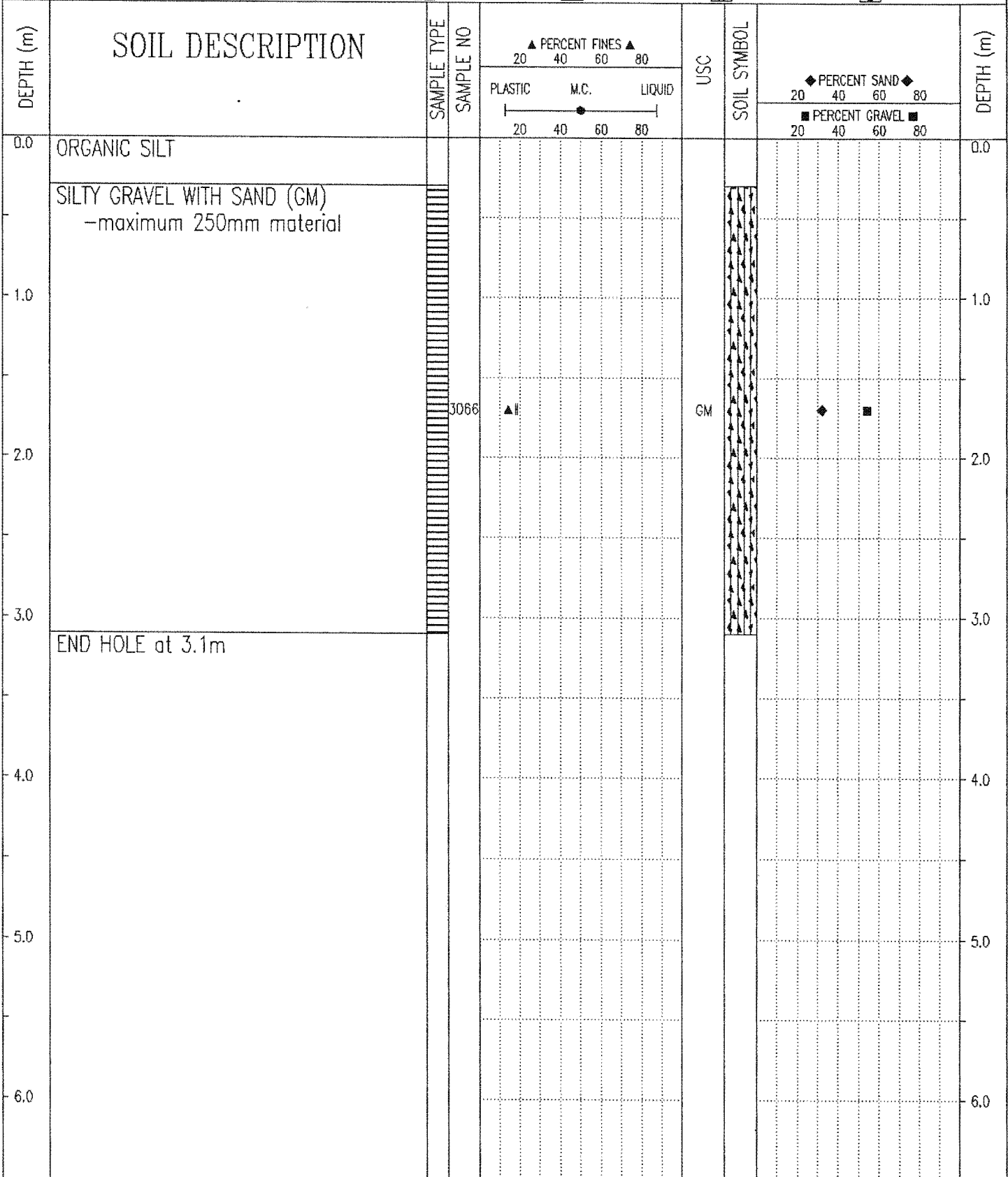
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-60
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+120	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.	<input 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 RECONSTRUCTION	TEST HOLE NO: 66-61
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+300	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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COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/14

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-62
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+500	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		

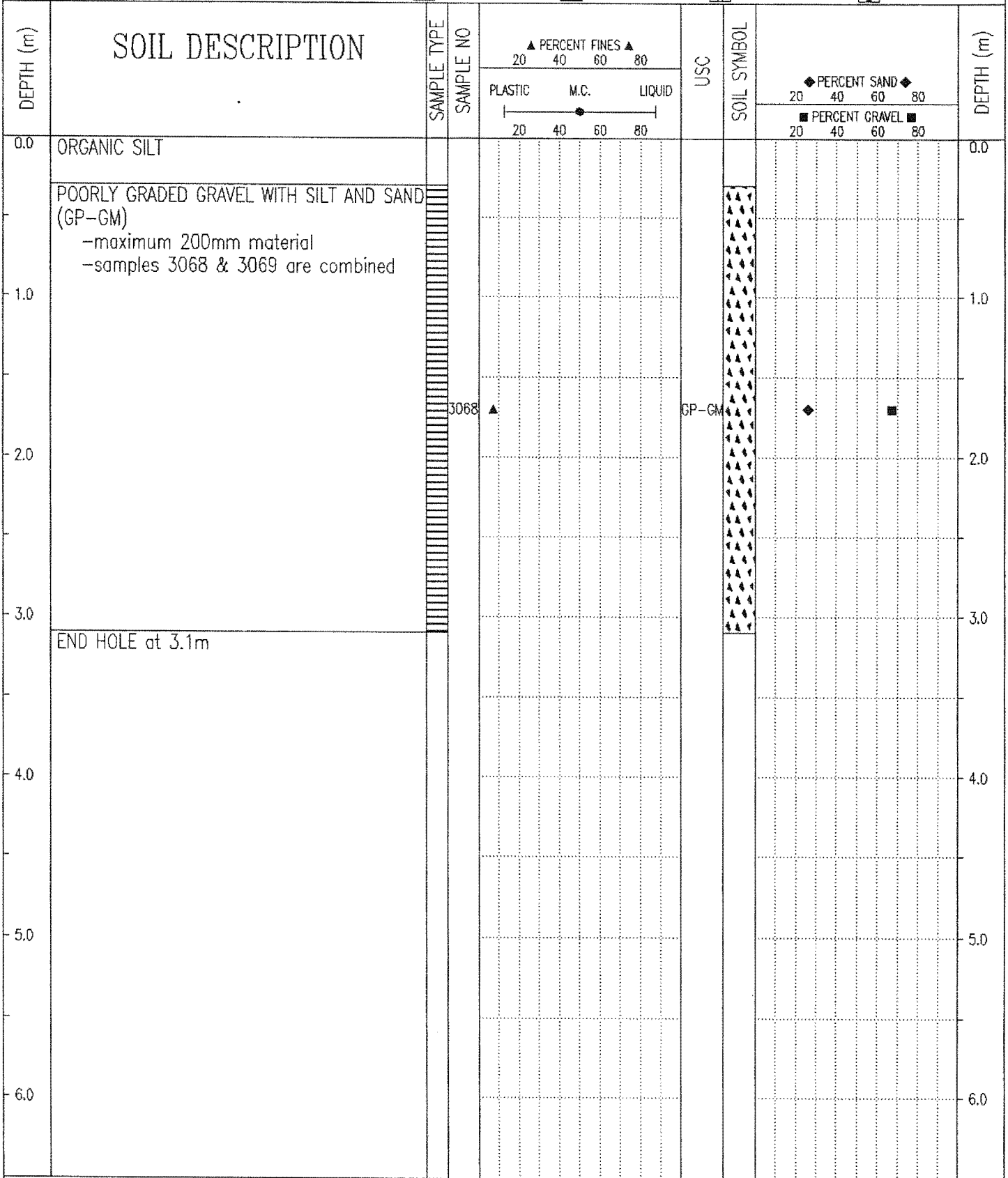
DEPTH (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	PERCENT FINES ▲			USC	SOIL SYMBOL	PERCENT SAND ◆		DEPTH (m)
				PLASTIC	M.C.	LIQUID			20	40	
0.0	ORGANIC SILT									0.0	
0.0 - 3.1	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) -maximum 100mm material										
2.0			3067 ▲				SP-SM				
3.1	END HOLE at 3.1m										

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Fig. No:

COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/14

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-63
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+630	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

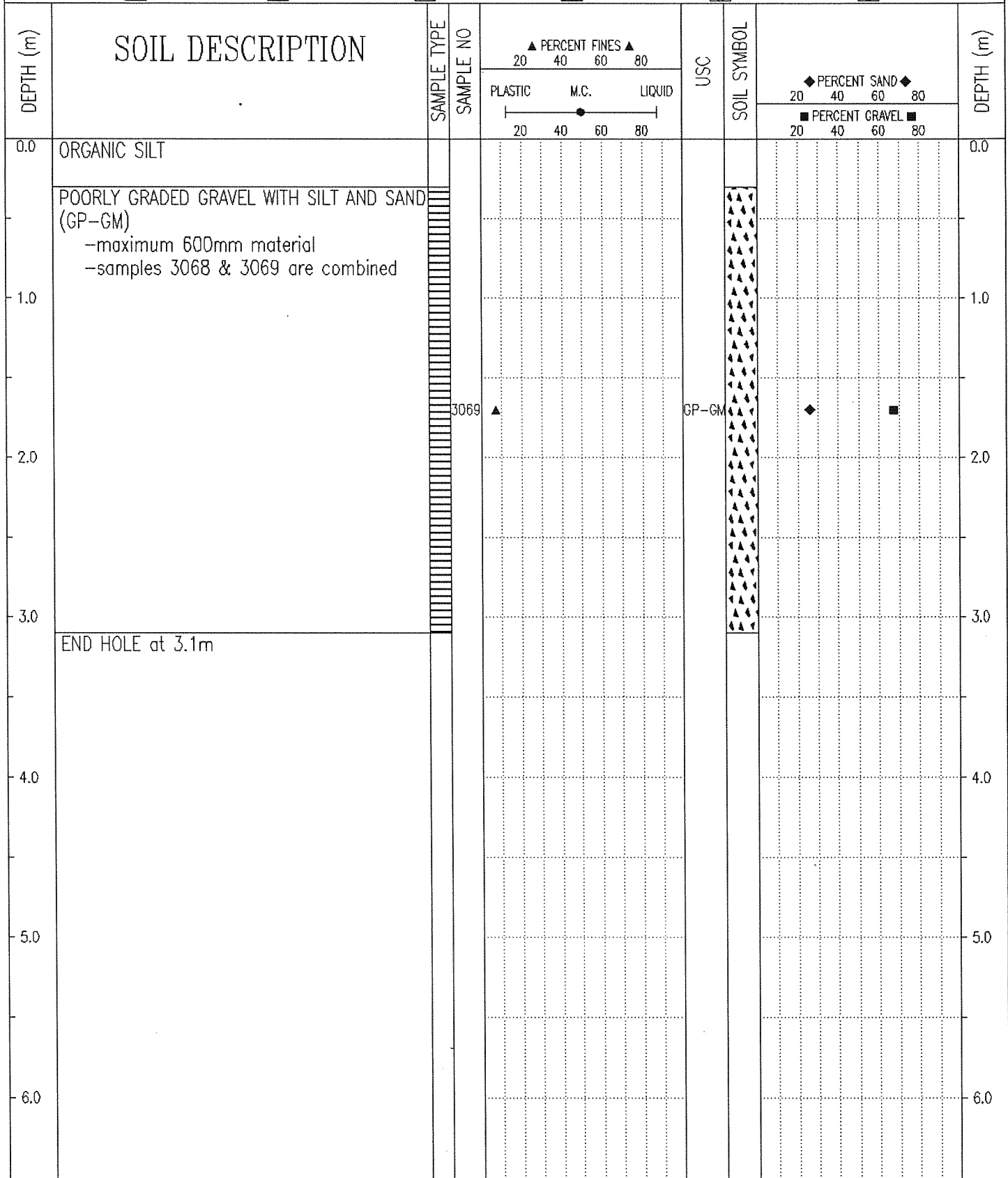


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Fig. No:

COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/14

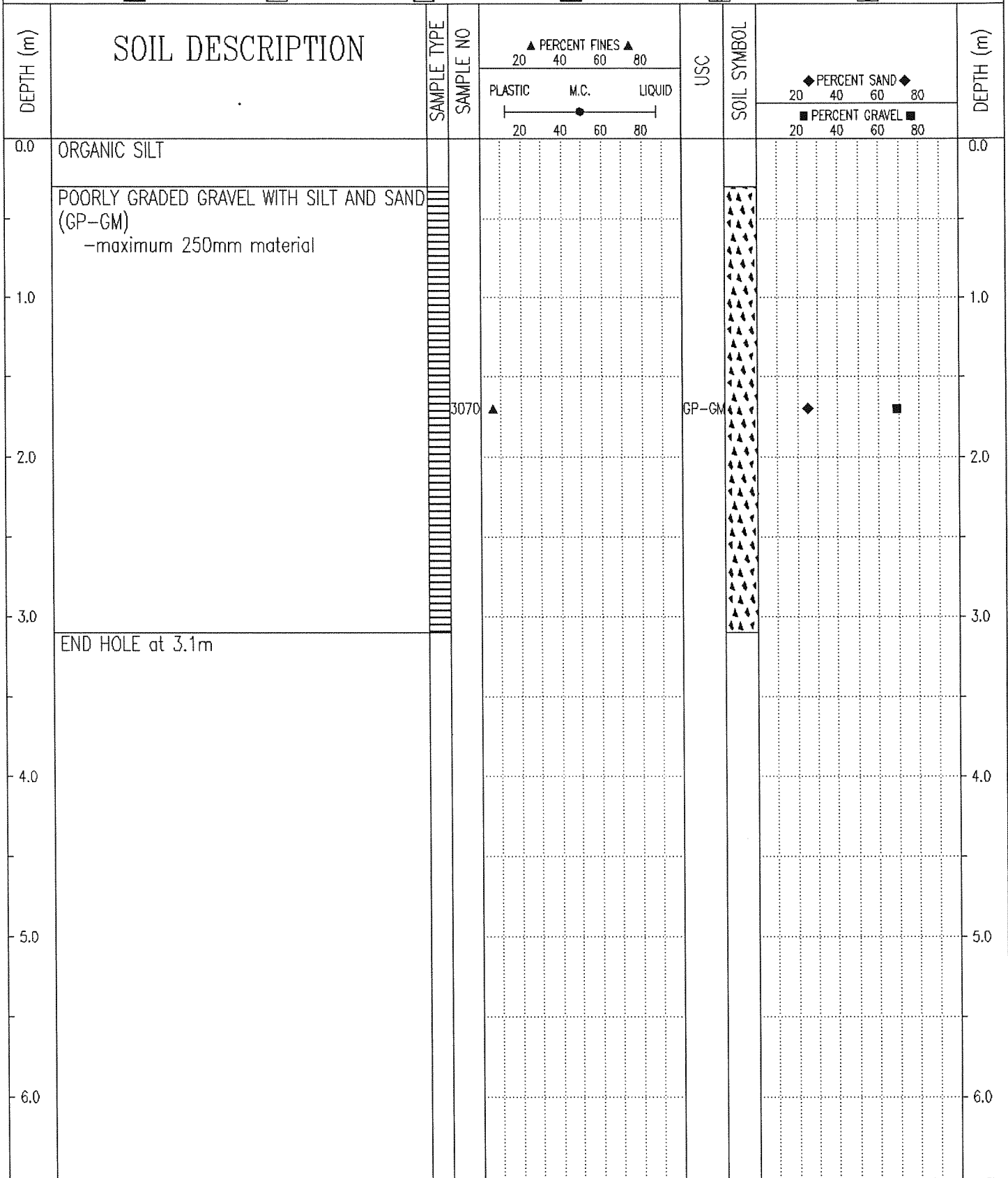
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-64
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+750	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN	<input checked="" type="checkbox"/> S.P.T.	<input checked="" type="checkbox"/> AUGER
	<input type="checkbox"/> BULK	<input type="checkbox"/> TUBE
		<input type="checkbox"/> CORE



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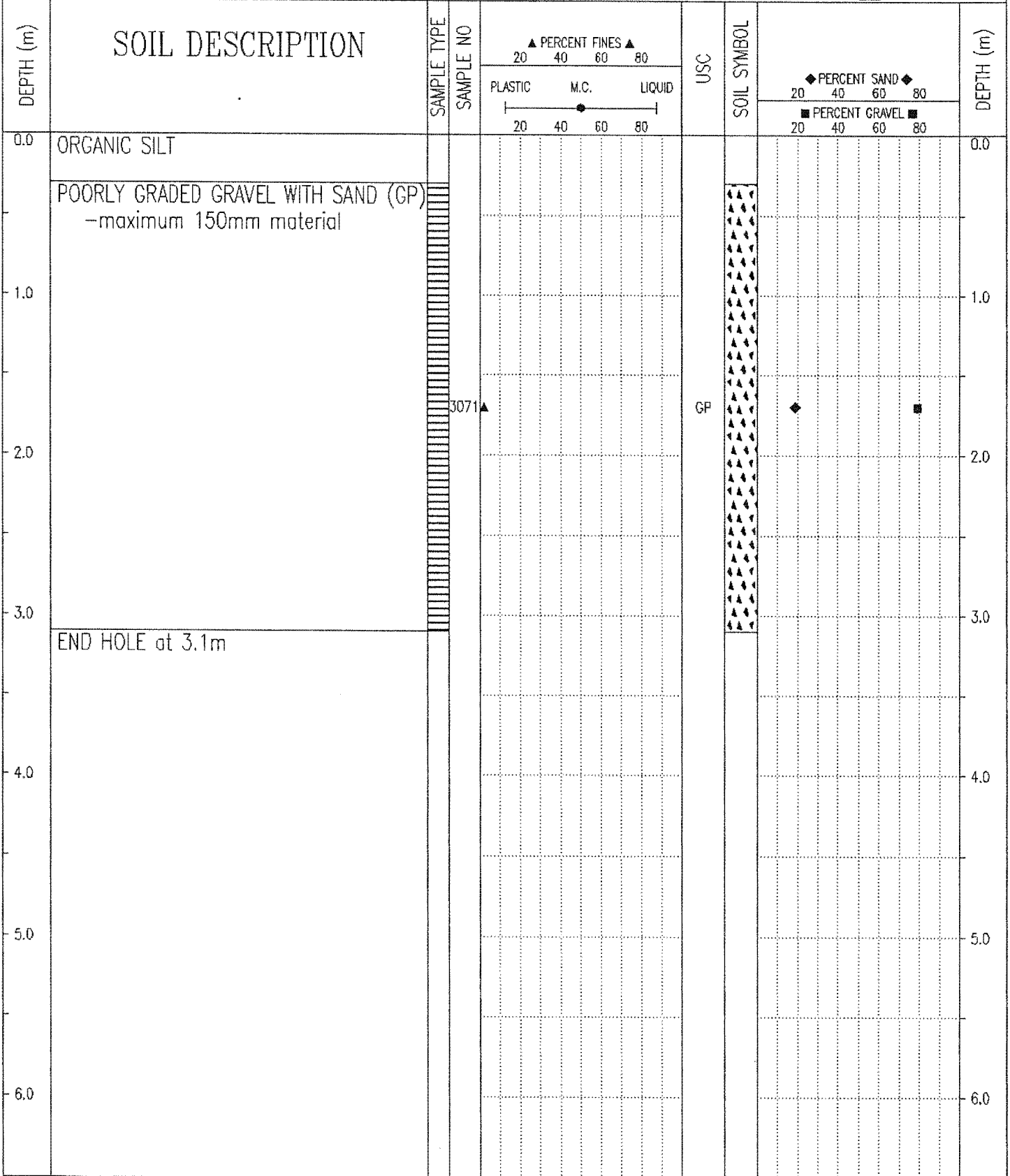
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ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 10+870	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE		



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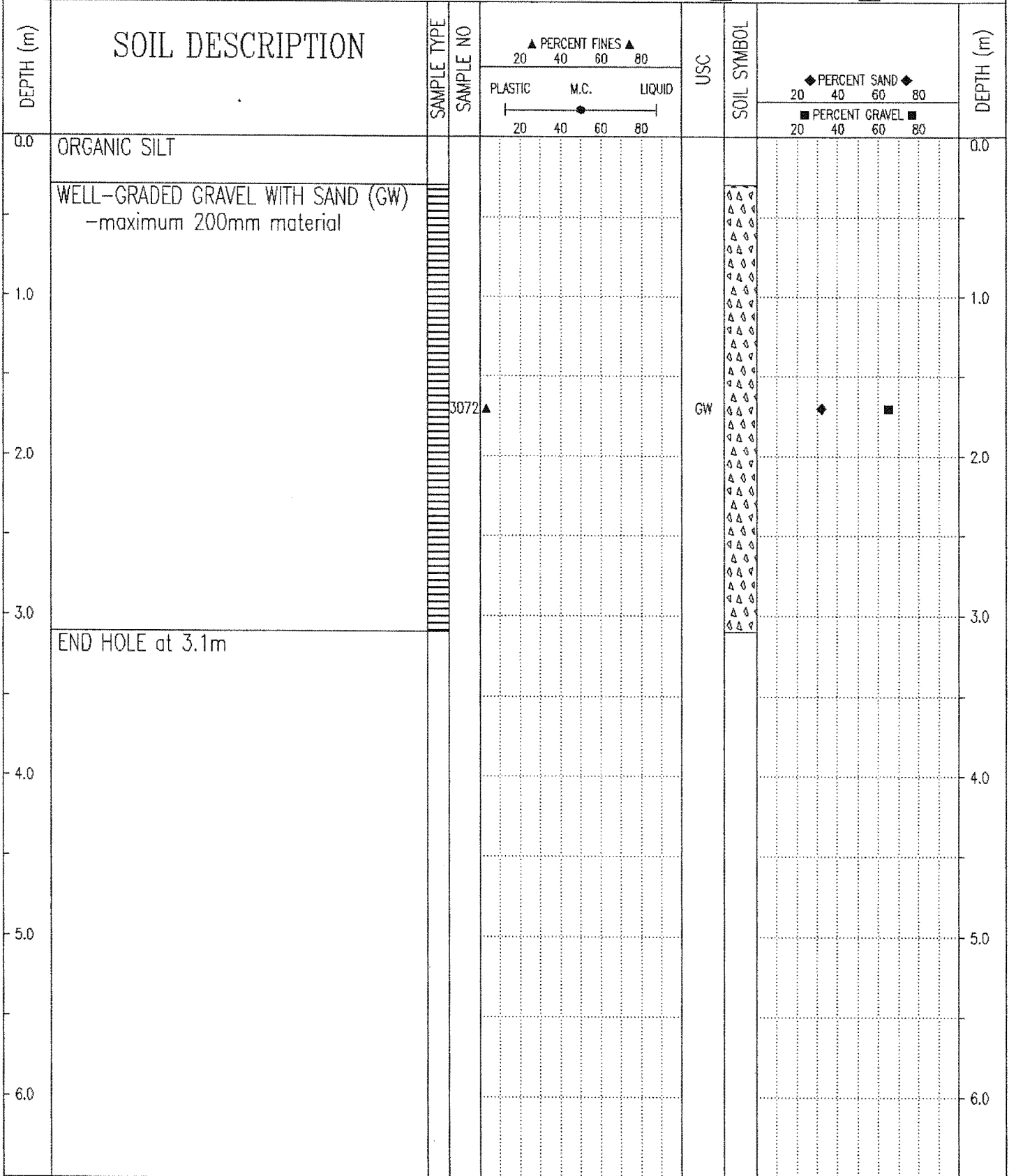
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REVIEWED BY:	COMPLETE: 66/07/15
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-66
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 11+120	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		



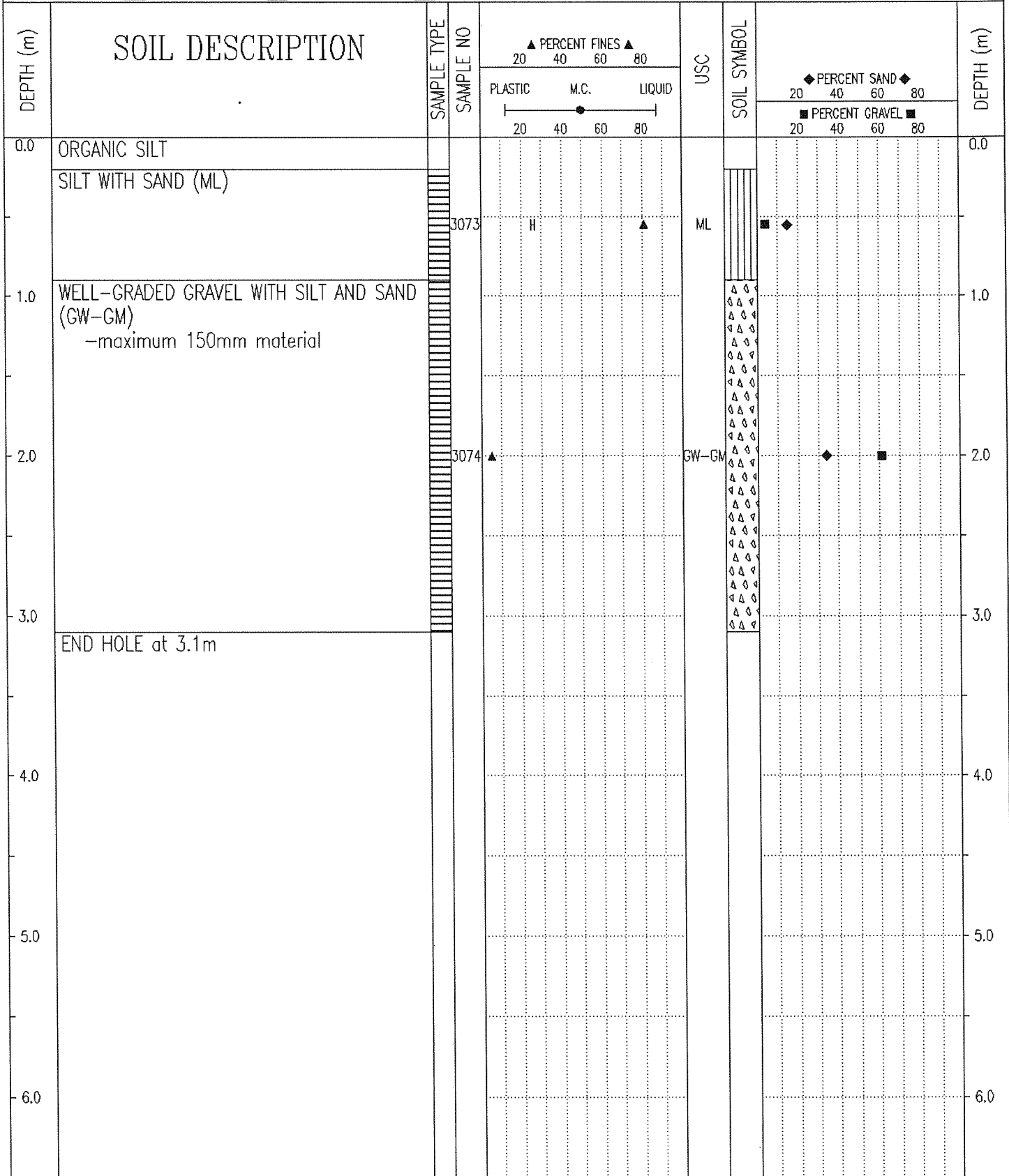
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	REVIEWED BY:	COMPLETE: 66/07/15
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SUBSURFACE EXPLORATION AND TEST REPORT	FREGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-67
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 2D2199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 11+300	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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	REVIEWED BY:	COMPLETE: 66/07/15
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-68
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 11+450	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	

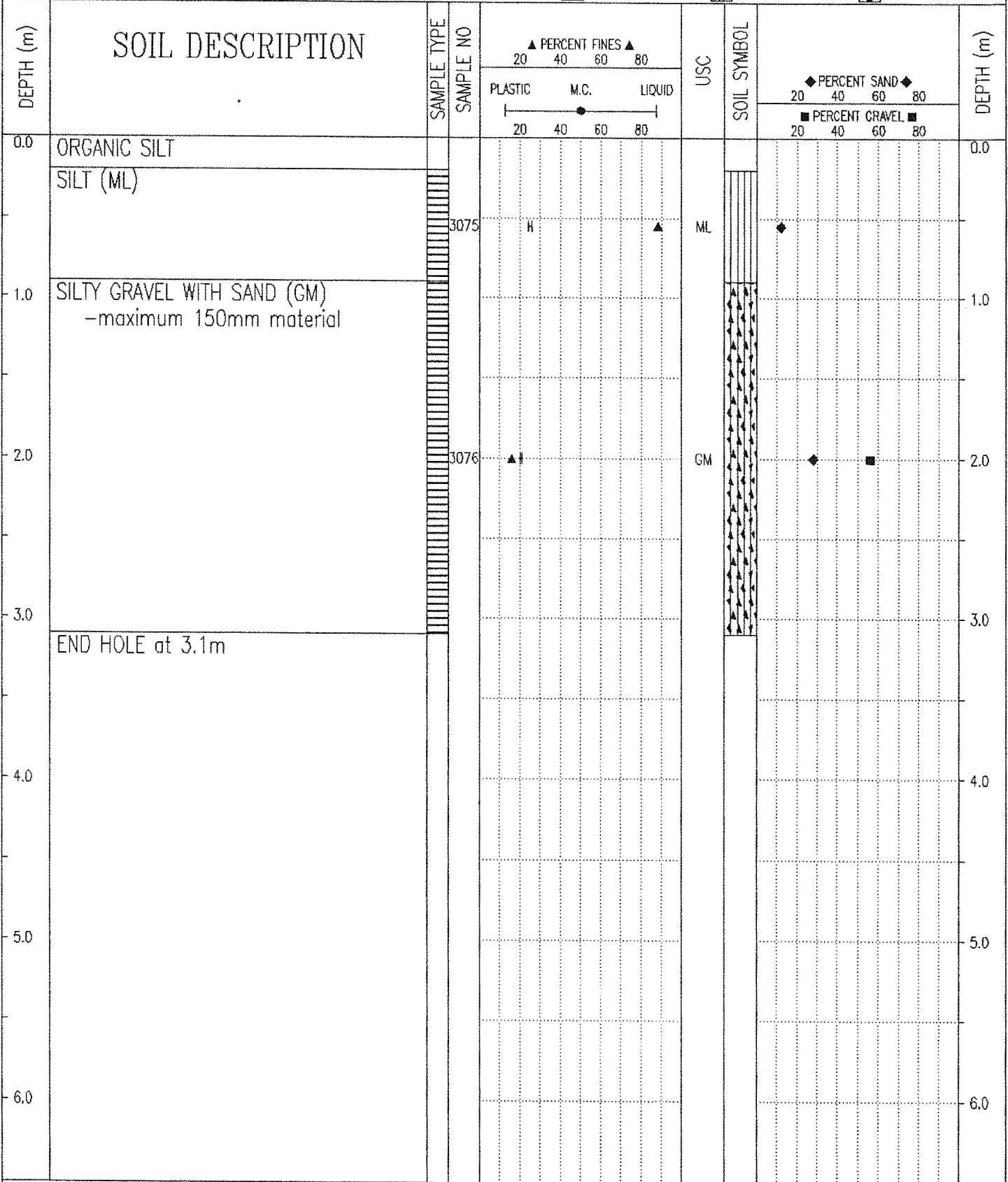


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COMPLETION DEPTH: 3.1 m
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SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-69
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 11+560	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	



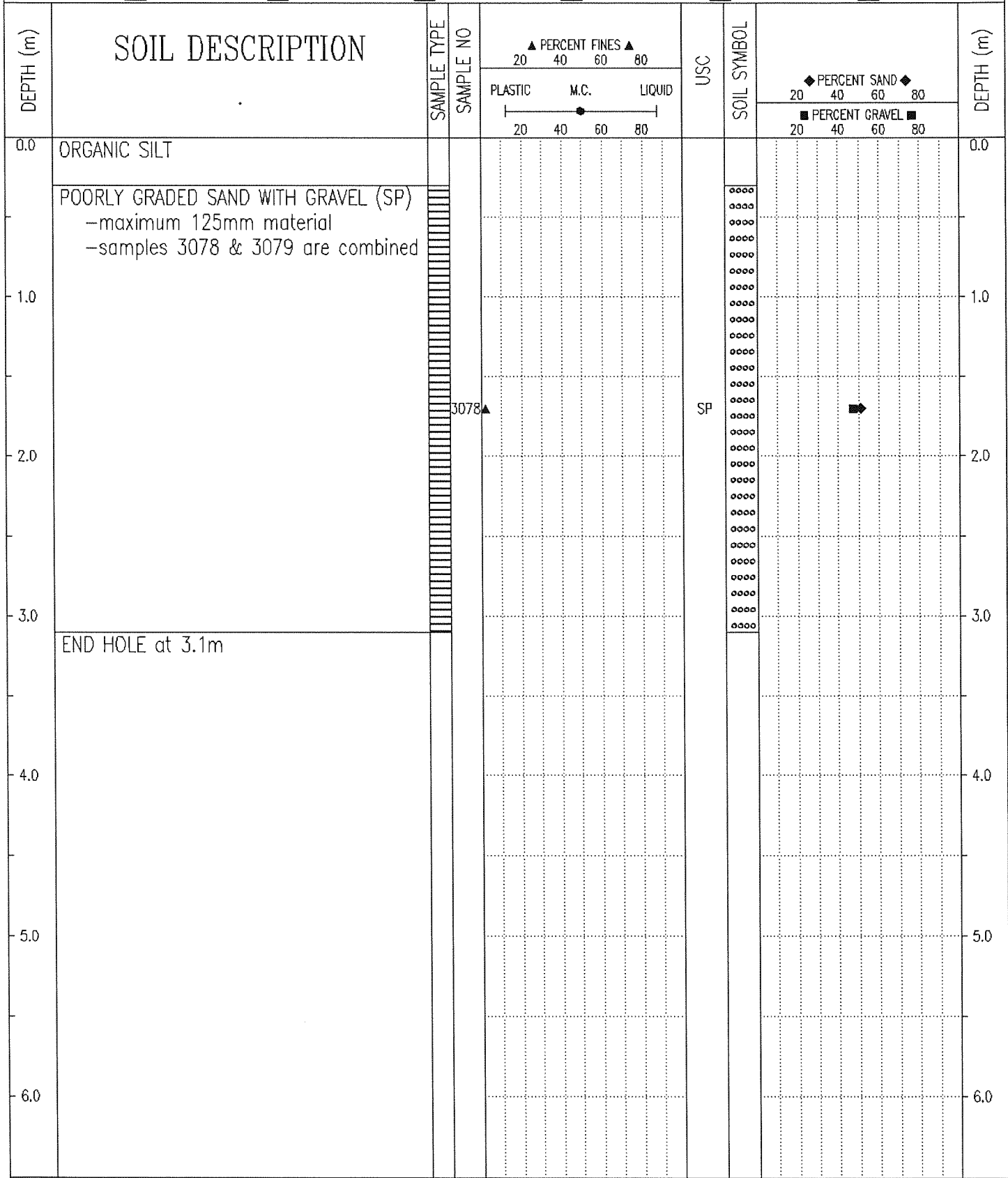
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COMPLETION DEPTH: 3.1 m
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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RECONSTRUCTION		TEST HOLE NO: 66-70						
ENGINEERING-CAPITAL		KM 9.5-13.8		Project No: 202199-0503-194						
BACKHOE: D7 BACKHOE		LOCATION: Sta. 11+680		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 ▲ 20 40 60 80		USC	SOIL SYMBOL	◆ PERCENT SAND ◆ 20 40 60 80		DEPTH (m)
				PLASTIC M.C. LIQUID 20 40 60 80				■ PERCENT GRAVEL ■ 20 40 60 80		
0.0	ORGANIC SILT									0.0
1.0	WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM) -maximum 900mm material									1.0
2.0			3077	▲ H		GW-GM		◀		2.0
3.0	END HOLE at 3.1m									3.0
4.0										4.0
5.0										5.0
6.0										6.0
Government of Yukon Transportation Engineering				LOGGED BY: JM REVIEWED BY: Fig. No:		COMPLETION DEPTH: 3.1 m COMPLETE: 66/07/15				

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-71
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 11+710	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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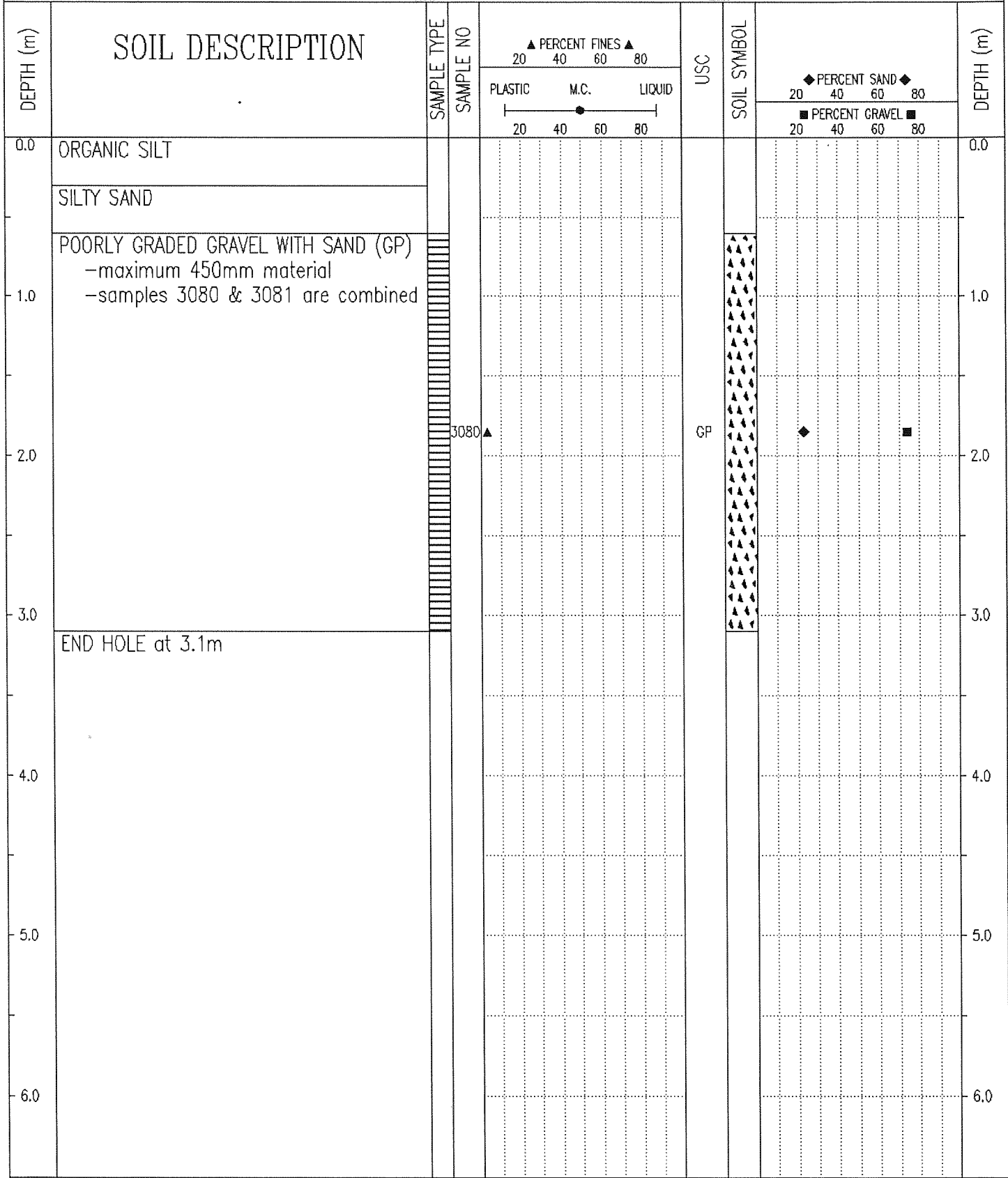
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-72
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+040	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input 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 ◆			DEPTH (m)
				PLASTIC	M.C.	LIQUID			20	40	60	
0.0	ORGANIC SILT											0.0
	SILTY SAND											
1.0	POORLY GRADED SAND WITH GRAVEL (SP) -maximum 200mm material -samples 3078 & 3079 are combined											1.0
2.0			3079▲				SP					2.0
3.0												3.0
3.1	END HOLE at 3.1m											3.1
4.0												4.0
5.0												5.0
6.0												6.0

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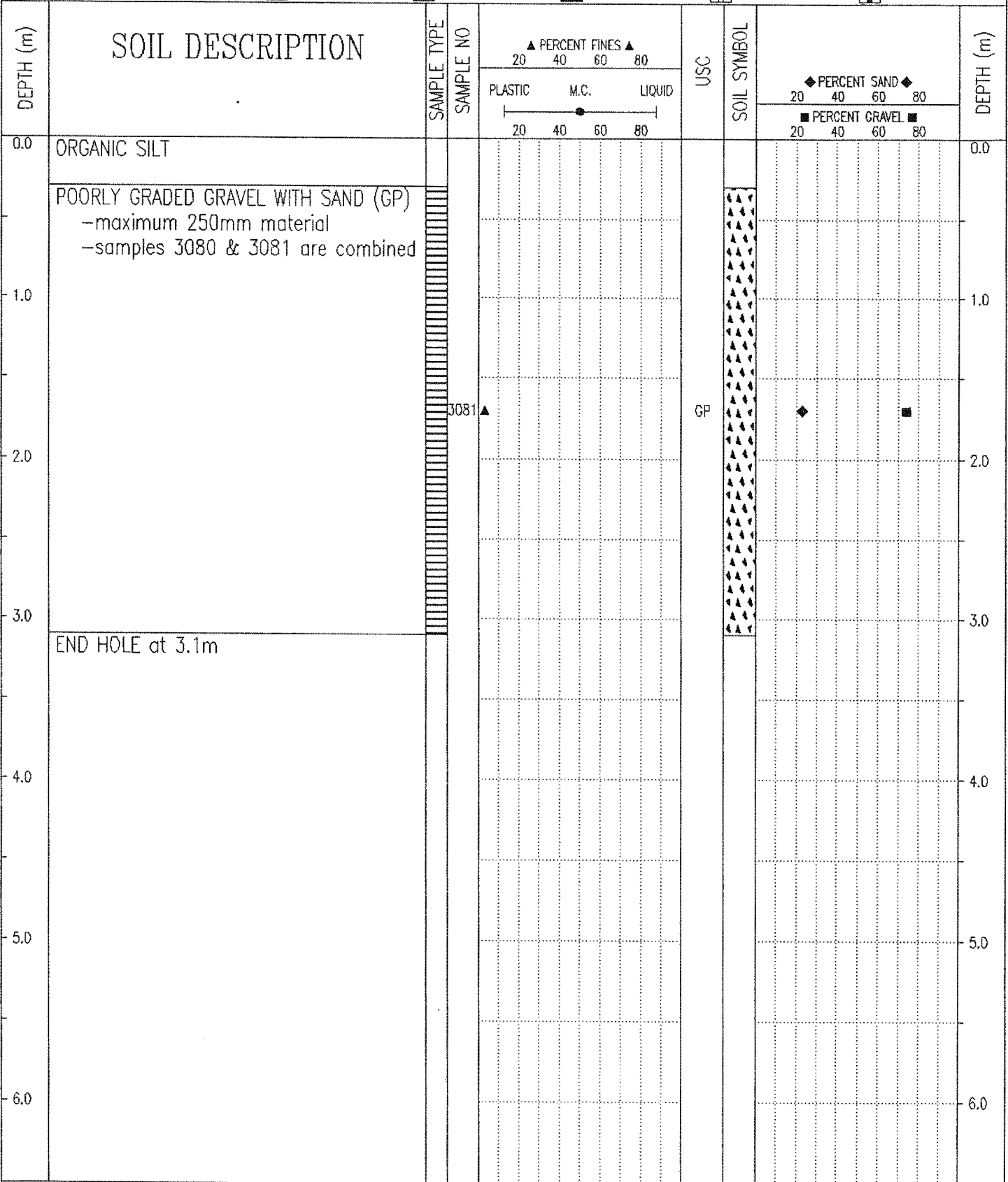
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-73
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+190	ELEVATION: 0.00 (m)
SAMPLE TYPE <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE		



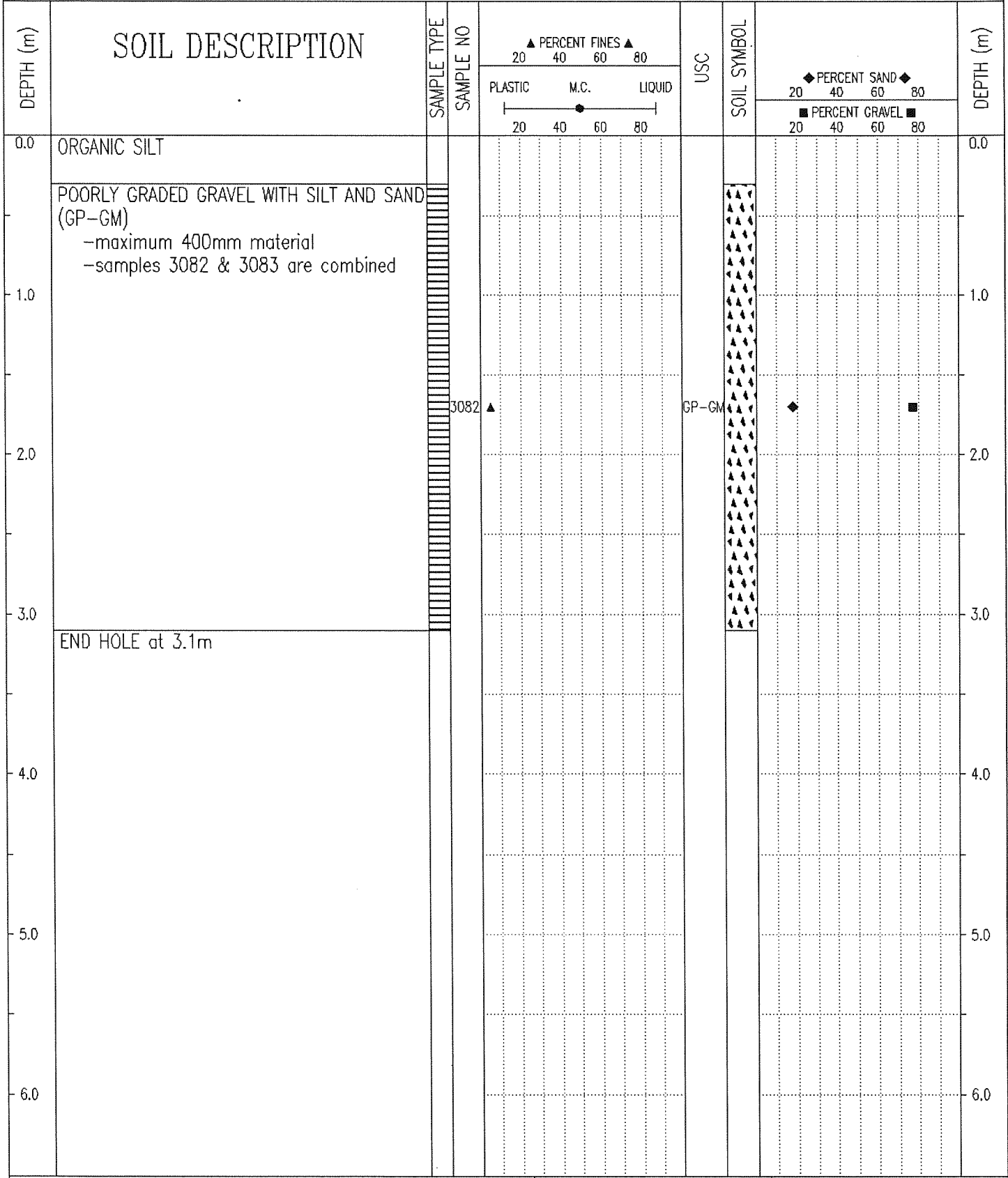
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SUBSURFACE EXPLORATION AND TEST REPORT	FREGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-74
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+310	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE	



SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-75
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+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	

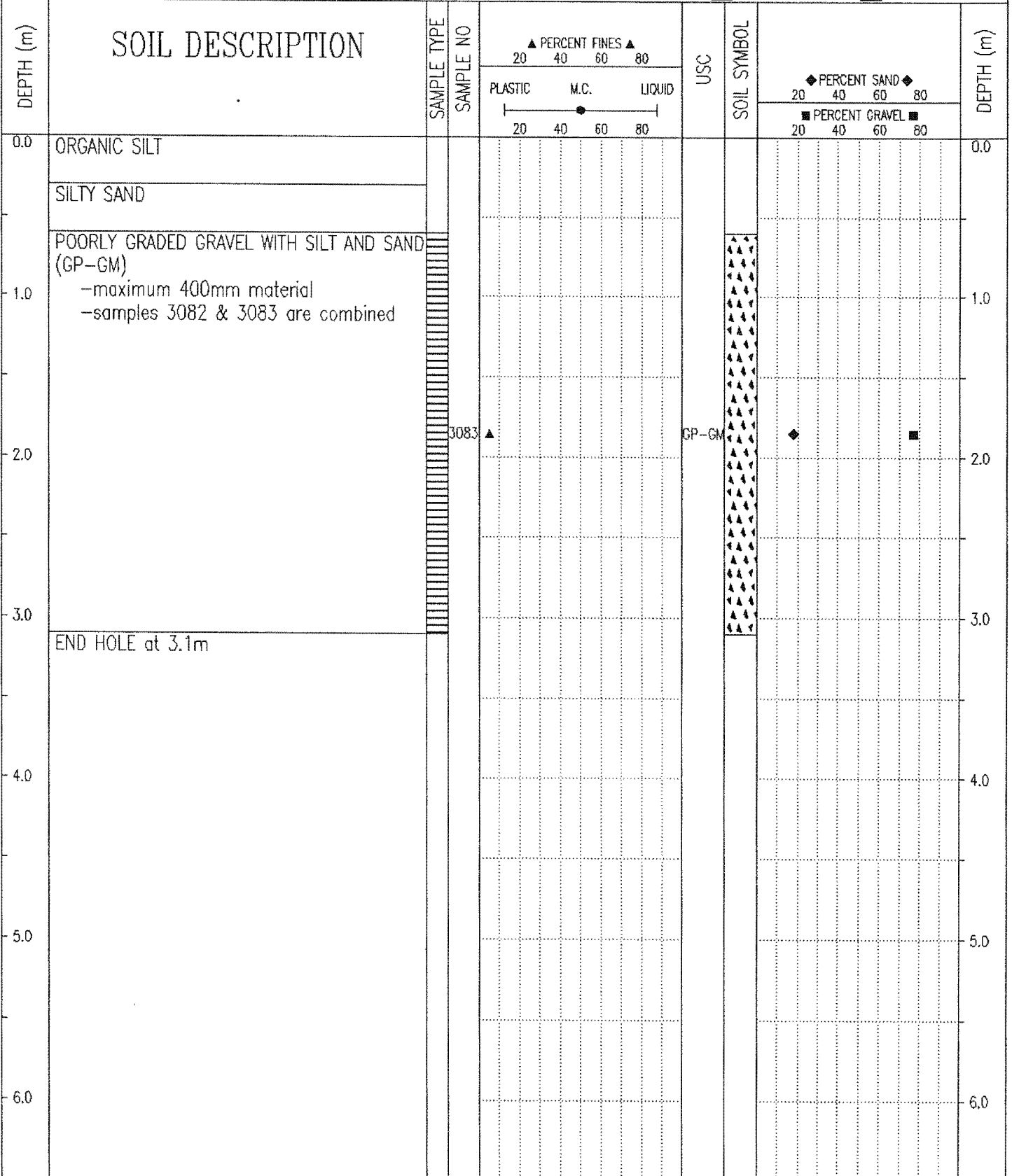


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COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/16

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-76
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+620	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		

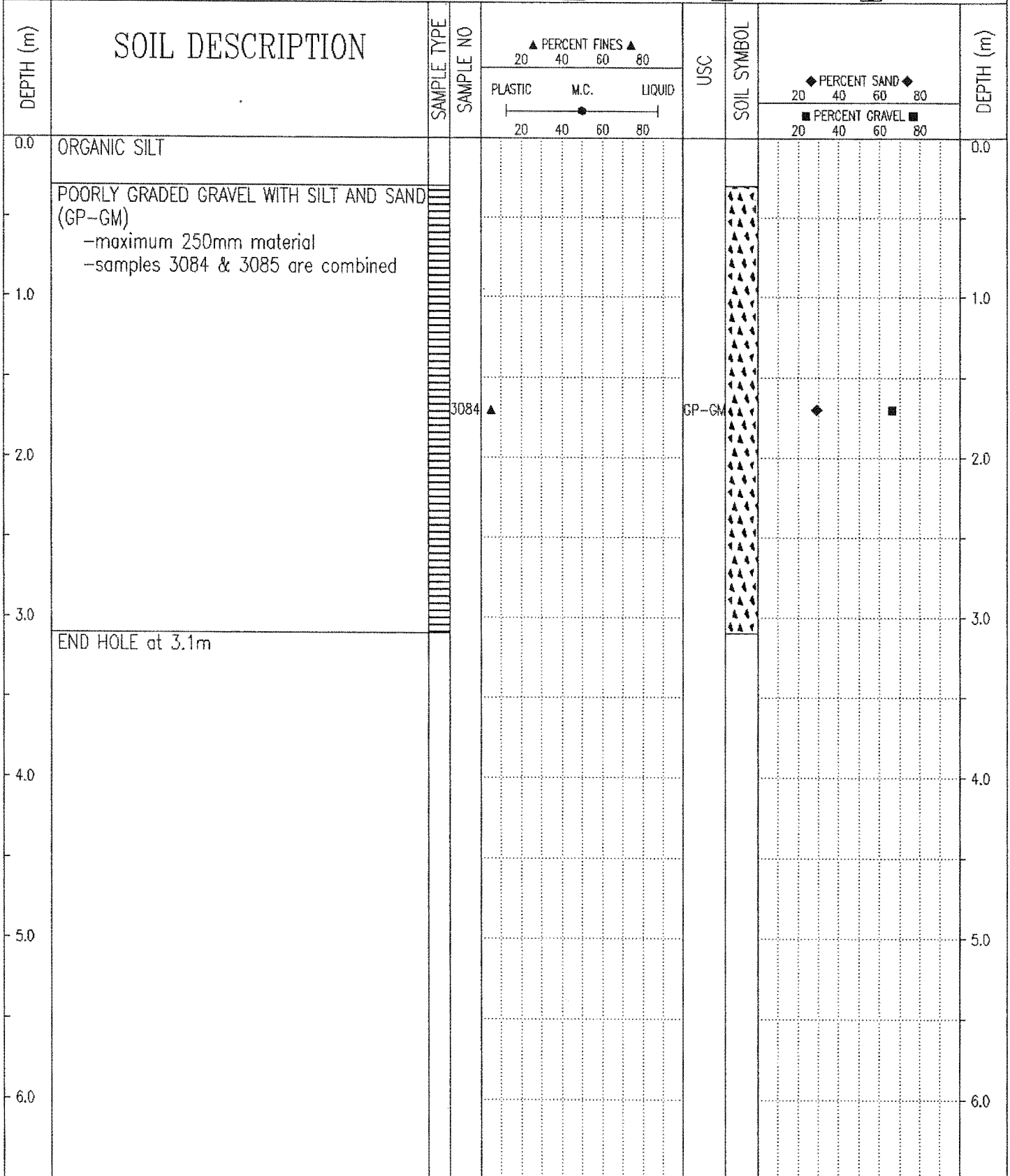


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COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/16

SUBSURFACE EXPLORATION AND TEST REPORT	FREGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-77
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 12+760	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



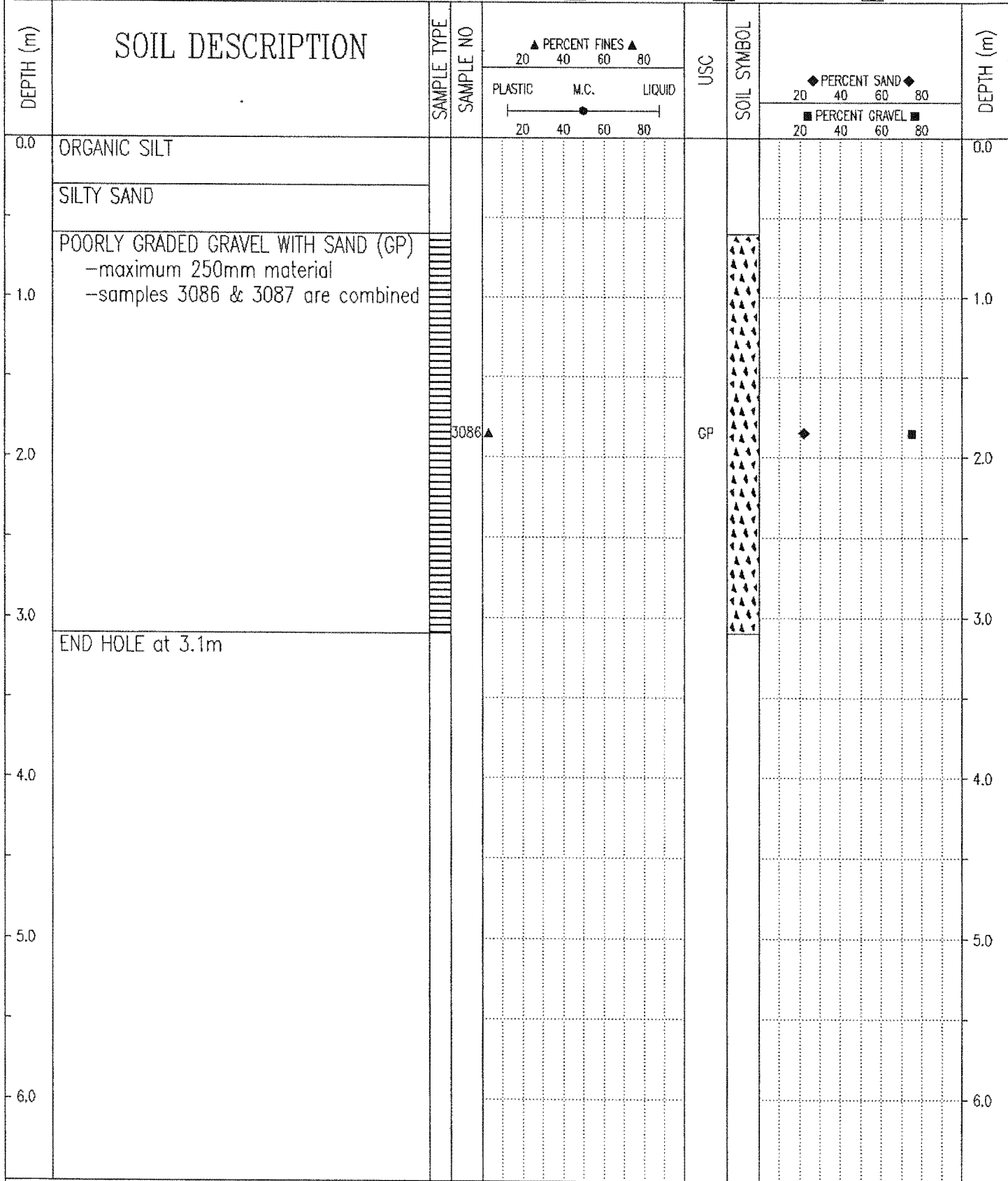
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	REVIEWED BY:	COMPLETE: 66/07/16
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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RECONSTRUCTION		TEST HOLE NO: 66-78	
ENGINEERING-CAPITAL		KM 9.5-13.8		Project No: 2D2199-0503-194	
BACKHOE: D7 BACKHOE		LOCATION: Sta. 12+920		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 SILT											0.0
0.0 - 1.0	POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) -maximum 200mm material -samples 3084 & 3085 are combined											
1.0												1.0
2.0			3085 ▲					GP-GM	◆	■		2.0
3.0												3.0
3.1	END HOLE at 3.1m											3.1
4.0												4.0
5.0												5.0
6.0												6.0

Government of Yukon Transportation Engineering		LOGGED BY: JM	COMPLETION DEPTH: 3.1 m
		REVIEWED BY:	COMPLETE: 66/07/16
		Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-79
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 13+120	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		

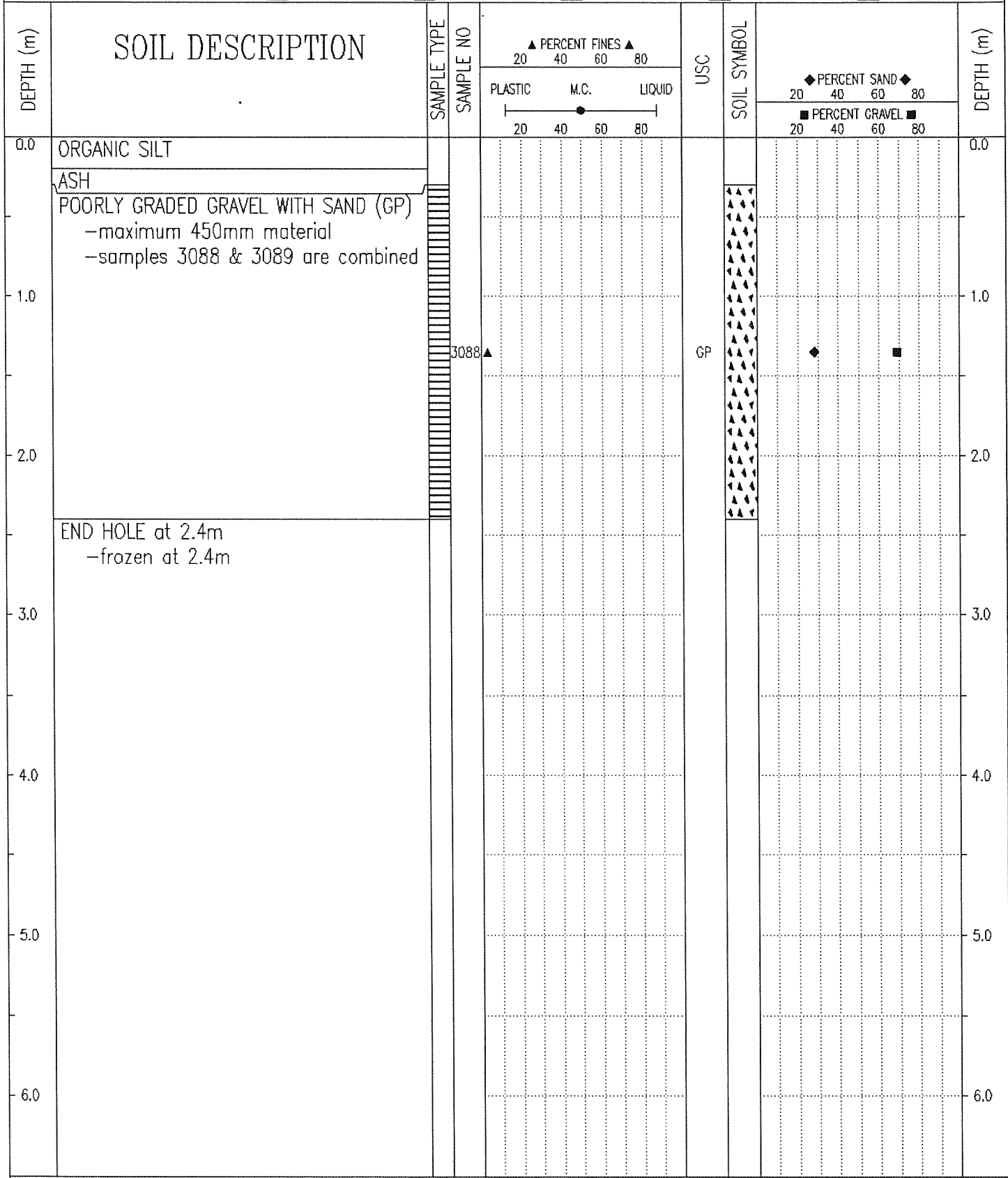


Government of Yukon
Transportation Engineering

LOGGED BY: JM	COMPLETION DEPTH: 3.1 m
REVIEWED BY:	COMPLETE: 66/07/16
Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD RECONSTRUCTION		TEST HOLE NO: 66-80								
ENGINEERING-CAPITAL		KM 9.5-13.8		Project No: 202199-0503-194								
BACKHOE: D7 BACKHOE		LOCATION: Sta. 13+260		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 ◆			DEPTH (m)
				PLASTIC	M.C.	LIQUID			20	40	60	
0.0	ORGANIC SILT											0.0
0.0 - 3.1	POORLY GRADED GRAVEL WITH SAND (GP) -maximum 300mm material -samples 3086 & 3087 are combined							GP				
2.0			3087 ▲									2.0
3.0	END HOLE at 3.1m											3.0
4.0												4.0
5.0												5.0
6.0												6.0
Government of Yukon Transportation Engineering				LOGGED BY: JM				COMPLETION DEPTH: 3.1 m				
				REVIEWED BY:				COMPLETE: 66/07/16				
				Fig. No:				Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-81
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 13+440	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: JM

REVIEWED BY:

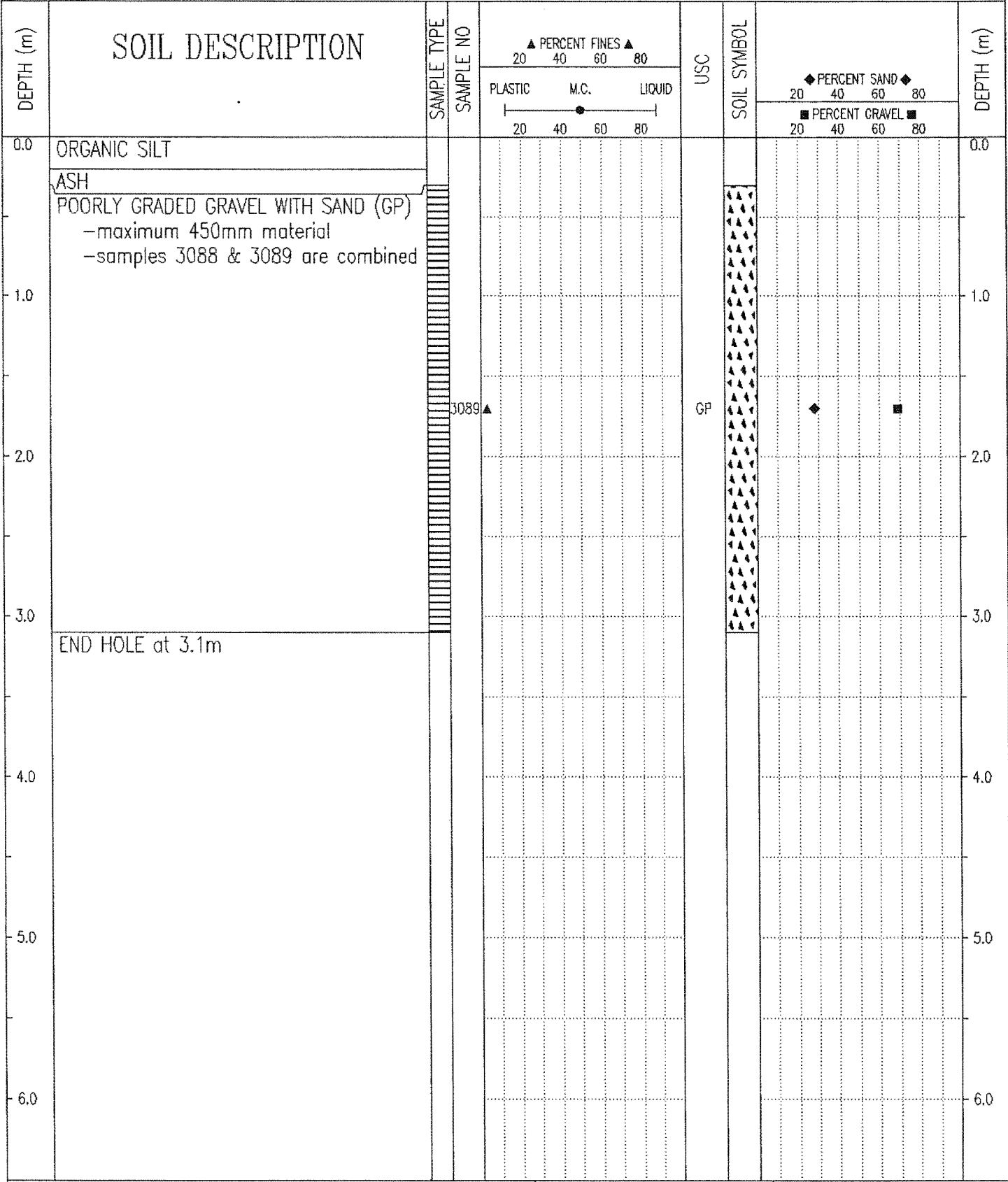
Fig. No:

COMPLETION DEPTH: 2.4 m

COMPLETE: 66/07/18

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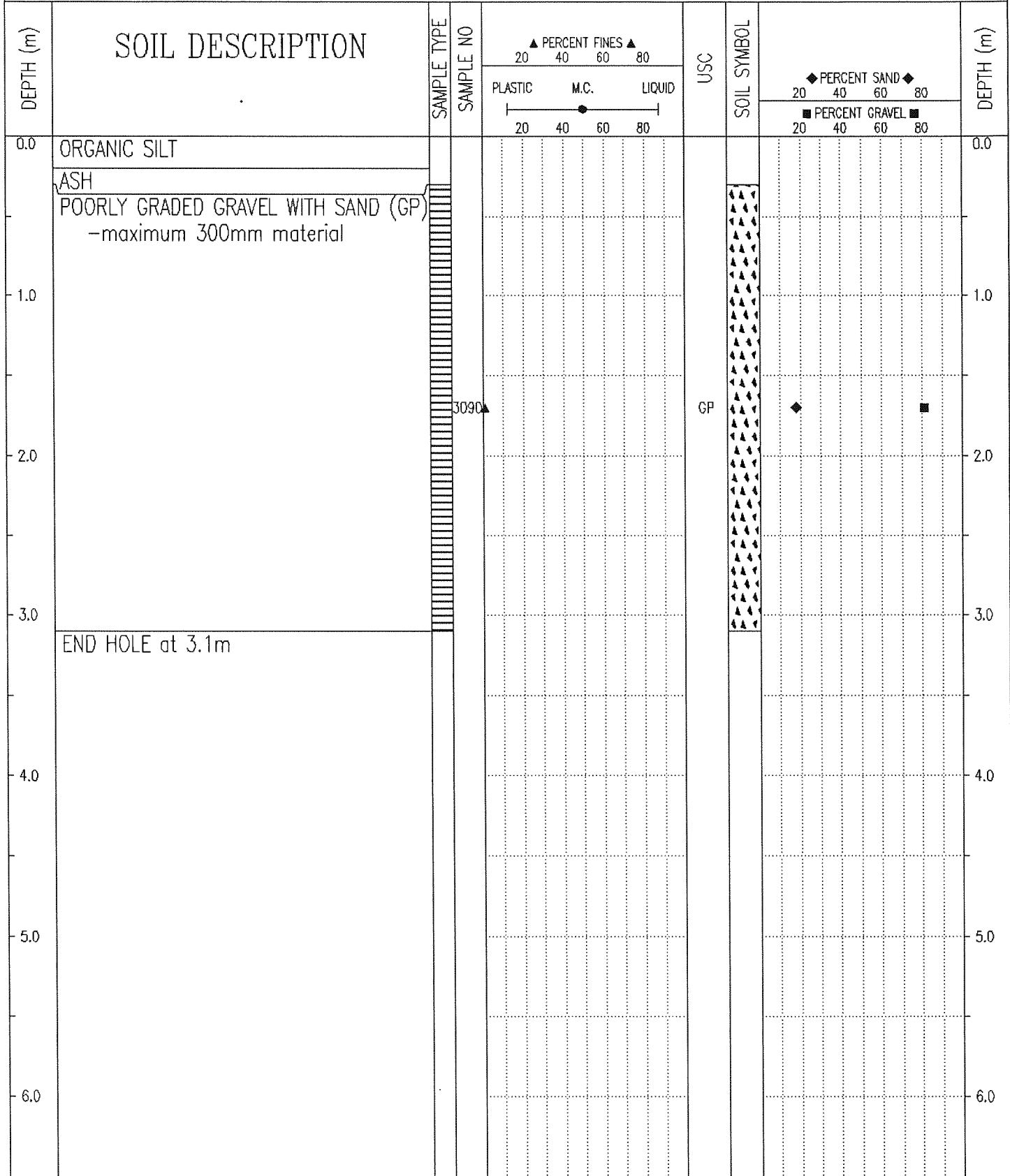
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-82
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 13+570	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE	



Government of Yukon
Transportation Engineering

LOGGED BY: JM	COMPLETION DEPTH: 3.1 m
REVIEWED BY:	COMPLETE: 66/07/18
Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-83
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 13+750	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		

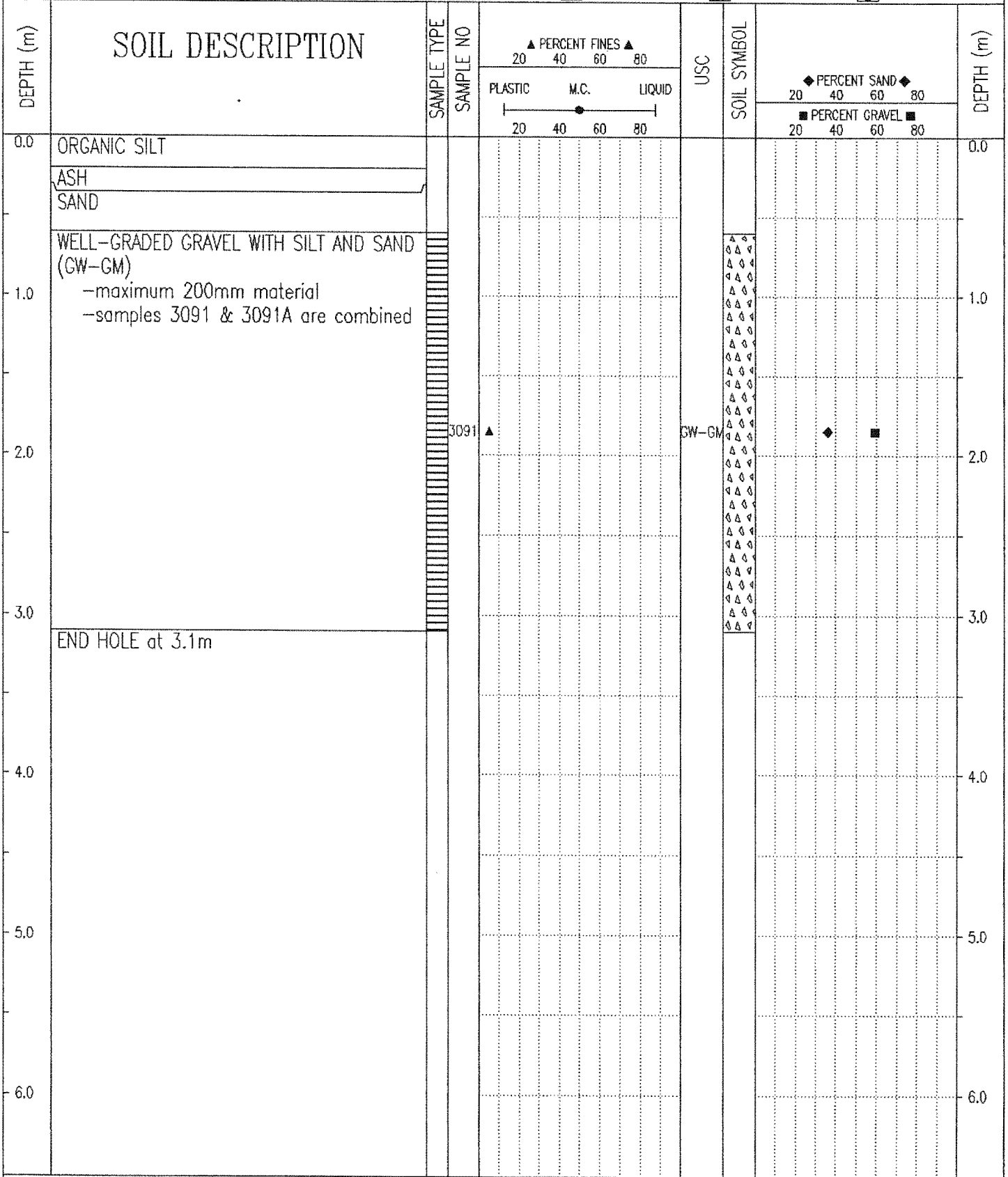


Government of Yukon
Transportation Engineering

LOGGED BY: JM
REVIEWED BY:
Fig. No:

COMPLETION DEPTH: 3.1 m
COMPLETE: 66/07/18

SUBSURFACE EXPLORATION AND TEST REPORT	FREGOLD ROAD RECONSTRUCTION	TEST HOLE NO: 66-84
ENGINEERING-CAPITAL	KM 9.5-13.8	Project No: 202199-0503-194
BACKHOE: D7 BACKHOE	LOCATION: Sta. 13+890	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: JM	COMPLETION DEPTH: 3.1 m
REVIEWED BY:	COMPLETE: 66/07/18
Fig. No:	Page 1 of 1

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-56
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 9+540
 LOGGED BY: JM DATE COMPLETED: 66.07.12

FIELD NO: 3061
 LAB NO: 3061
 DEPTH: 0.2-1.5
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	--
5.0	--
2.5	--
2.0	--
1.25	--
0.840	--
0.630	--
0.420	100
0.315	--
0.160	--
0.150	--
0.080	89

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-57
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 9+690
 LOGGED BY: JM DATE COMPLETED: 66.07.13

FIELD NO: 3062
 LAB NO: 3062
 DEPTH: 0.2-1.5
 TYPE: BULK

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

100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	97
2.5	--
2.0	97
1.25	--
0.840	--
0.630	--
0.420	95
0.315	--
0.160	--
0.150	--
0.080	79

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 3
 % SAND: 18
 % FINES: 79

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-58
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 9+840
 LOGGED BY: JM DATE COMPLETED: 66.07.13

FIELD NO: 3063
 LAB NO: 3063
 DEPTH: 0.2-2.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	97
2.5	--
2.0	97
1.25	--
0.840	--
0.630	--
0.420	95
0.315	--
0.160	--
0.150	--
0.080	79

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 3
 % SAND: 18
 % FINES: 79

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-59
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+000
 LOGGED BY: JM DATE COMPLETED: 66.07.13

FIELD NO: 3064
 LAB NO: 3064
 DEPTH: 0.3-1.2
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	--
5.0	--
2.5	--
2.0	100
1.25	--
0.840	--
0.630	--
0.420	99
0.315	--
0.160	--
0.150	--
0.080	82

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 18
 % FINES: 82

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-60
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+120
 LOGGED BY: JM DATE COMPLETED: 66.07.13

FIELD NO: 3065
 LAB NO: 3065
 DEPTH: 0.3-2.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	--
5.0	--
2.5	--
2.0	100
1.25	--
0.840	--
0.630	--
0.420	99
0.315	--
0.160	--
0.150	--
0.080	82

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 18
 % FINES: 82

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-61
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+300
 LOGGED BY: JM DATE COMPLETED: 66.07.14

FIELD NO: 3066
 LAB NO: 3066
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	46
2.5	--
2.0	43
1.25	--
0.840	--
0.630	--
0.420	27
0.315	--
0.160	--
0.150	--
0.080	14

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 54
 % SAND: 32
 % FINES: 14

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-62
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+500
 LOGGED BY: JM DATE COMPLETED: 66.07.14

FIELD NO: 3067
 LAB NO: 3067
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	53
2.5	--
2.0	50
1.25	--
0.840	--
0.630	--
0.420	26
0.315	--
0.160	--
0.150	--
0.080	6

M.C. (%): --

LIMITS

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

% GRAVEL: 47
 % SAND: 47
 % FINES: 6

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-63
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+630
 LOGGED BY: JM DATE COMPLETED: 66.07.14

FIELD NO: 3068
 LAB NO: 3068
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	33
2.5	--
2.0	29
1.25	--
0.840	--
0.630	--
0.420	17
0.315	--
0.160	--
0.150	--
0.080	7

M.C. (%): --

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

% GRAVEL: 67
 % SAND: 26
 % FINES: 7

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-64
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+750
 LOGGED BY: JM DATE COMPLETED: 66.07.14

FIELD NO: 3069
 LAB NO: 3069
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	33
2.5	--
2.0	29
1.25	--
0.840	--
0.630	--
0.420	17
0.315	--
0.160	--
0.150	--
0.080	7

M.C. (%): --

LIMITS

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

% GRAVEL: 67
 % SAND: 26
 % FINES: 7

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-65
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 10+870
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3070
 LAB NO: 3070
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	31
2.5	--
2.0	25
1.25	--
0.840	--
0.630	--
0.420	14
0.315	--
0.160	--
0.150	--
0.080	6

M.C. (%): --

LIMITS

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

% GRAVEL: 69
 % SAND: 25
 % FINES: 6

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-66
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+120
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3071
 LAB NO: 3071
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	21
2.5	--
2.0	15
1.25	--
0.840	--
0.630	--
0.420	6
0.315	--
0.160	--
0.150	--
0.080	2

M.C. (%): --

LIMITS

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

% GRAVEL: 79
 % SAND: 19
 % FINES: 2

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-67
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+300
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3072
 LAB NO: 3072
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	35
2.5	--
2.0	28
1.25	--
0.840	--
0.630	--
0.420	10
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

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

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-68
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+450
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3073
 LAB NO: 3073
 DEPTH: 0.2-0.9
 TYPE: BULK

FIELD NO: 3074
 LAB NO: 3074
 DEPTH: 0.9-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	96
2.5	--
2.0	95
1.25	--
0.840	--
0.630	--
0.420	90
0.315	--
0.160	--
0.150	--
0.080	81

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	39
2.5	--
2.0	31
1.25	--
0.840	--
0.630	--
0.420	13
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

M.C. (%): --

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

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

% GRAVEL: 4
 % SAND: 15
 % FINES: 81

% GRAVEL: 61
 % SAND: 34
 % FINES: 5

CLASSIFICATION:
 SILT WITH SAND
 (ML)

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-69
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+560
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3075
 LAB NO: 3075
 DEPTH: 0.2-0.9
 TYPE: BULK

FIELD NO: 3076
 LAB NO: 3076
 DEPTH: 0.9-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	--
5.0	100
2.5	--
2.0	99
1.25	--
0.840	--
0.630	--
0.420	98
0.315	--
0.160	--
0.150	--
0.080	88

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	44
2.5	--
2.0	36
1.25	--
0.840	--
0.630	--
0.420	28
0.315	--
0.160	--
0.150	--
0.080	16

M.C. (%): --

M.C. (%): --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: 56
 % SAND: 28
 % FINES: 16

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-70
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+680
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3077
 LAB NO: 3077
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	53
2.5	--
2.0	46
1.25	--
0.840	--
0.630	--
0.420	20
0.315	--
0.160	--
0.150	--
0.080	8

M.C. (%): --

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

% GRAVEL: 47
 % SAND: 45
 % FINES: 8

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-71
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 11+710
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3078
 LAB NO: 3078
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	53
2.5	--
2.0	46
1.25	--
0.840	--
0.630	--
0.420	10
0.315	--
0.160	--
0.150	--
0.080	2

M.C. (%): --

LIMITS

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

% GRAVEL: 47
 % SAND: 51
 % FINES: 2

CLASSIFICATION:
 POORLY GRADED
 SAND WITH GRAVEL
 (SP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-72
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+040
 LOGGED BY: JM DATE COMPLETED: 66.07.15

FIELD NO: 3079
 LAB NO: 3079
 DEPTH: 0.8-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	53
2.5	--
2.0	46
1.25	--
0.840	--
0.630	--
0.420	10
0.315	--
0.160	--
0.150	--
0.080	2

M.C. (%): --

LIMITS

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

% GRAVEL: 47
 % SAND: 51
 % FINES: 2

CLASSIFICATION:
 POORLY GRADED
 SAND WITH GRAVEL
 (SP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-73
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+190
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3080
 LAB NO: 3080
 DEPTH: 0.6-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	26
2.5	--
2.0	19
1.25	--
0.840	--
0.630	--
0.420	8
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 74
 % SAND: 23
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-74
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+310
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3081
 LAB NO: 3081
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	26
2.5	--
2.0	19
1.25	--
0.840	--
0.630	--
0.420	8
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 74
 % SAND: 23
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-75
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+450
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3082
 LAB NO: 3082
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	23
2.5	--
2.0	18
1.25	--
0.840	--
0.630	--
0.420	8
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

LIMITS

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

% GRAVEL: 77
 % SAND: 18
 % FINES: 5

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-76
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+620
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3083
 LAB NO: 3083
 DEPTH: 0.6-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	23
2.5	--
2.0	18
1.25	--
0.840	--
0.630	--
0.420	8
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

LIMITS

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

% GRAVEL: 77
 % SAND: 18
 % FINES: 5

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-77
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+760
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3084
 LAB NO: 3084
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	34
2.5	--
2.0	28
1.25	--
0.840	--
0.630	--
0.420	14
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

LIMITS

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

% GRAVEL: 66
 % SAND: 29
 % FINES: 5

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-78
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 12+920
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3085
 LAB NO: 3085
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	34
2.5	--
2.0	28
1.25	--
0.840	--
0.630	--
0.420	14
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

LIMITS

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

% GRAVEL: 66
 % SAND: 29
 % FINES: 5

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

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-79
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+120
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3086
 LAB NO: 3086
 DEPTH: 0.6-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	25
2.5	--
2.0	18
1.25	--
0.840	--
0.630	--
0.420	9
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 75
 % SAND: 22
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-80
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+260
 LOGGED BY: JM DATE COMPLETED: 66.07.16

FIELD NO: 3087
 LAB NO: 3087
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	25
2.5	--
2.0	18
1.25	--
0.840	--
0.630	--
0.420	9
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 75
 % SAND: 22
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-81
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+440
 LOGGED BY: JM DATE COMPLETED: 66.07.18

FIELD NO: 3088
 LAB NO: 3088
 DEPTH: 0.3-2.4
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	31
2.5	--
2.0	25
1.25	--
0.840	--
0.630	--
0.420	9
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 69
 % SAND: 28
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-82
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+570
 LOGGED BY: JM DATE COMPLETED: 66.07.18

FIELD NO: 3089
 LAB NO: 3089
 DEPTH: 0.3-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	31
2.5	--
2.0	25
1.25	--
0.840	--
0.630	--
0.420	9
0.315	--
0.160	--
0.150	--
0.080	3

M.C. (%): --

LIMITS

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

% GRAVEL: 69
 % SAND: 28
 % FINES: 3

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-83
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+750
 LOGGED BY: JM DATE COMPLETED: 66.07.18

FIELD NO: 3090
 LAB NO: 3090
 DEPTH: 0.3-3.1
 TYPE: BULK

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

100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	19
2.5	--
2.0	12
1.25	--
0.840	--
0.630	--
0.420	3
0.315	--
0.160	--
0.150	--
0.080	1

M.C. (%): --

LIMITS

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

% GRAVEL: 81
 % SAND: 18
 % FINES: 1

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

PROJECT NUMBER: 092-202199-0503-194 HOLE NUMBER: 66-84
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD RE-CONSTRUCTION
 PROJECT LOCATION: KM 9.5-13.8
 DRILL UNIT: BACKHOE
 HOLE LOCATION: 13+890
 LOGGED BY: JM DATE COMPLETED: 66.07.18

FIELD NO: 3091
 LAB NO: 3091
 DEPTH: 0.6-3.1
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	--
31.5	--
25.0	--
20.0	--
12.5	--
10.0	100
5.0	41
2.5	--
2.0	34
1.25	--
0.840	--
0.630	--
0.420	15
0.315	--
0.160	--
0.150	--
0.080	5

M.C. (%): --

LIMITS

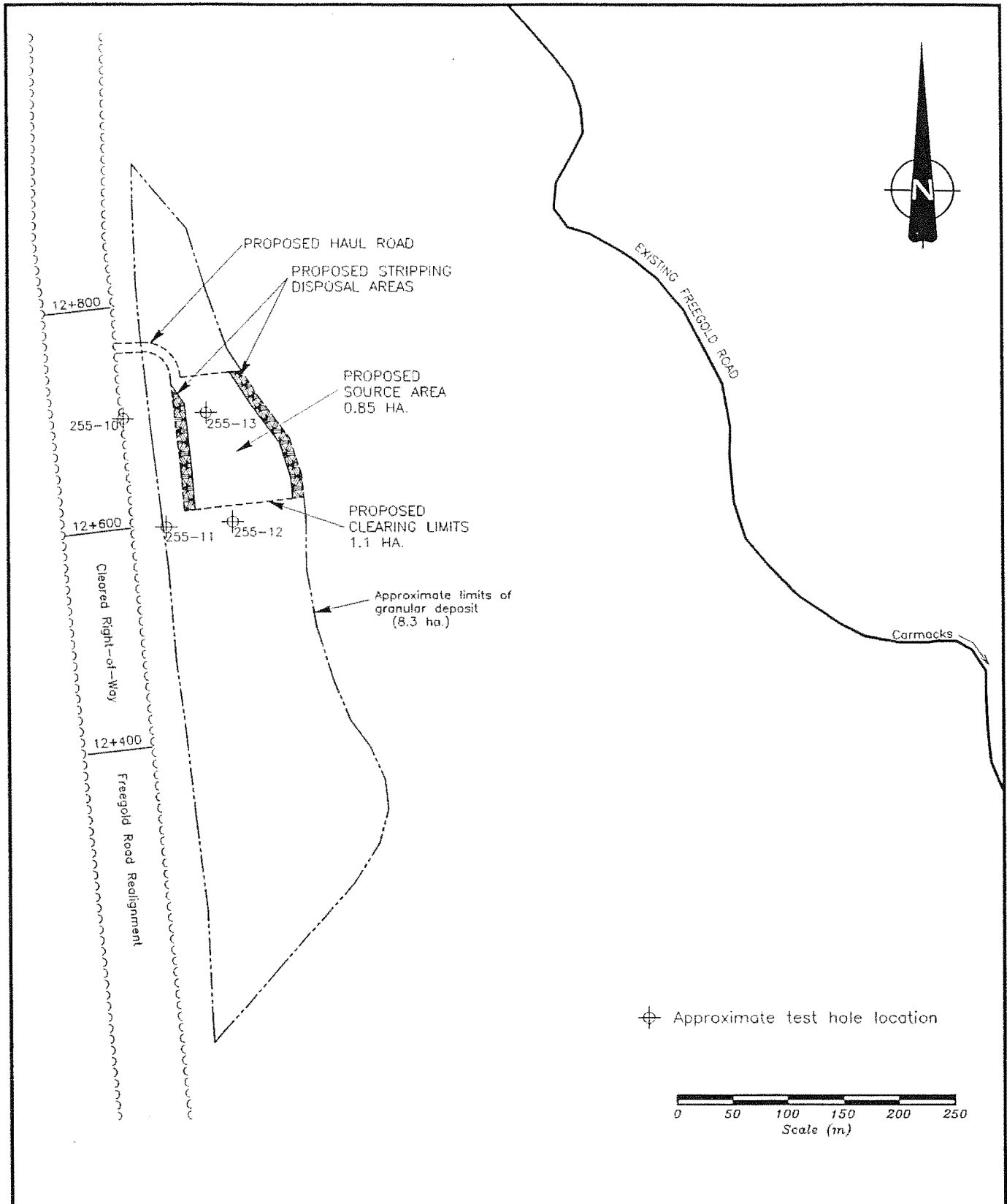
LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 59
 % SAND: 36
 % FINES: 5

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

GEOTECHNICAL INVESTIGATION
HIGHWAY CONSTRUCTION
km 9.5 to km 13.8, FREEGOLD ROAD, Y.T.
CENTRELINE AND GRANULAR TESTING

GRANULAR TESTING



Yukon
 Community and Transportation Services

Transportation Engineering Branch

SITE PLAN
 PROPOSED
 GRANULAR SOURCE AREA
 KM 12.7 RHS
 FREEGOLD ROAD, YUKON

designed: D.S.

drawn: D.S.

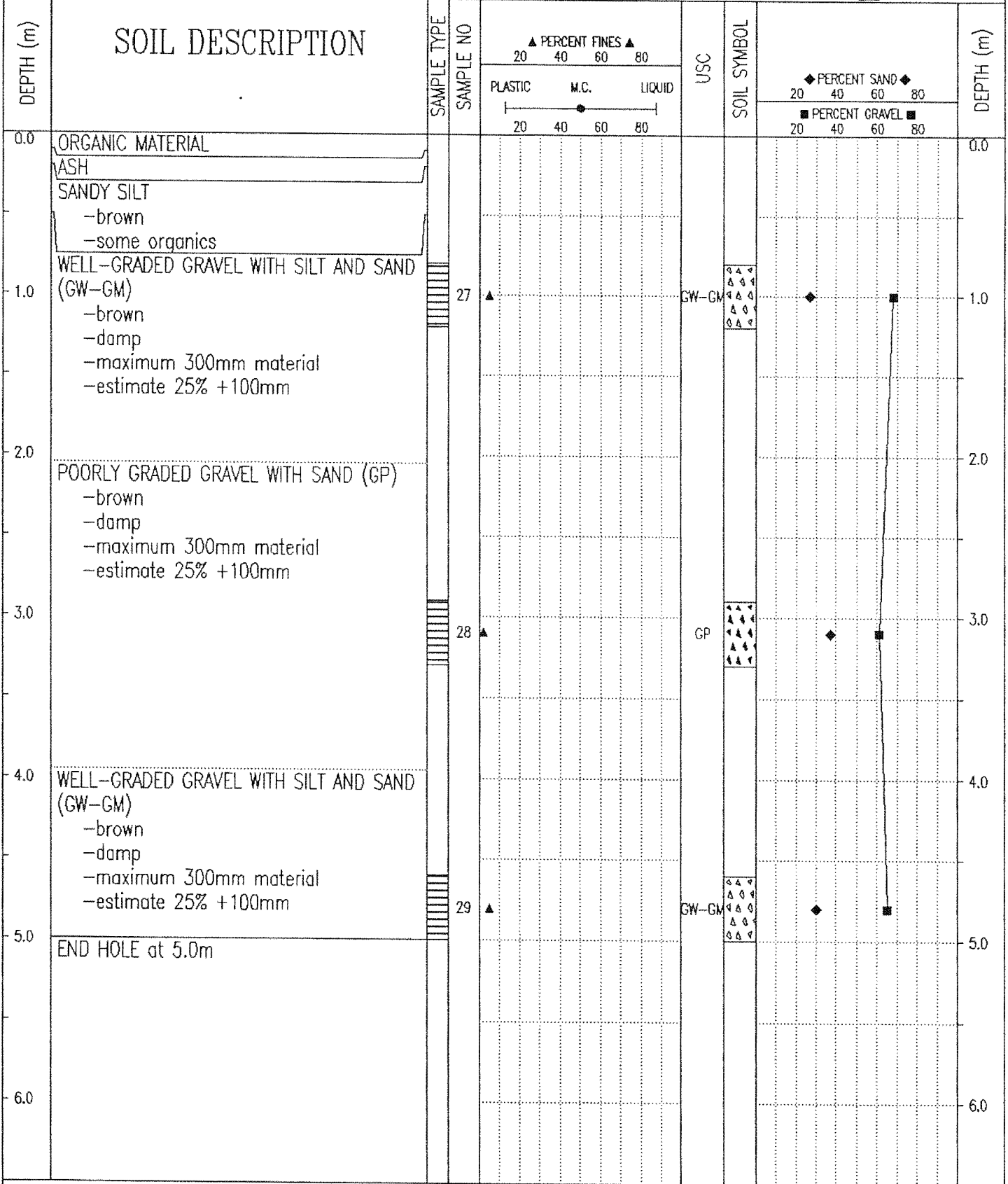
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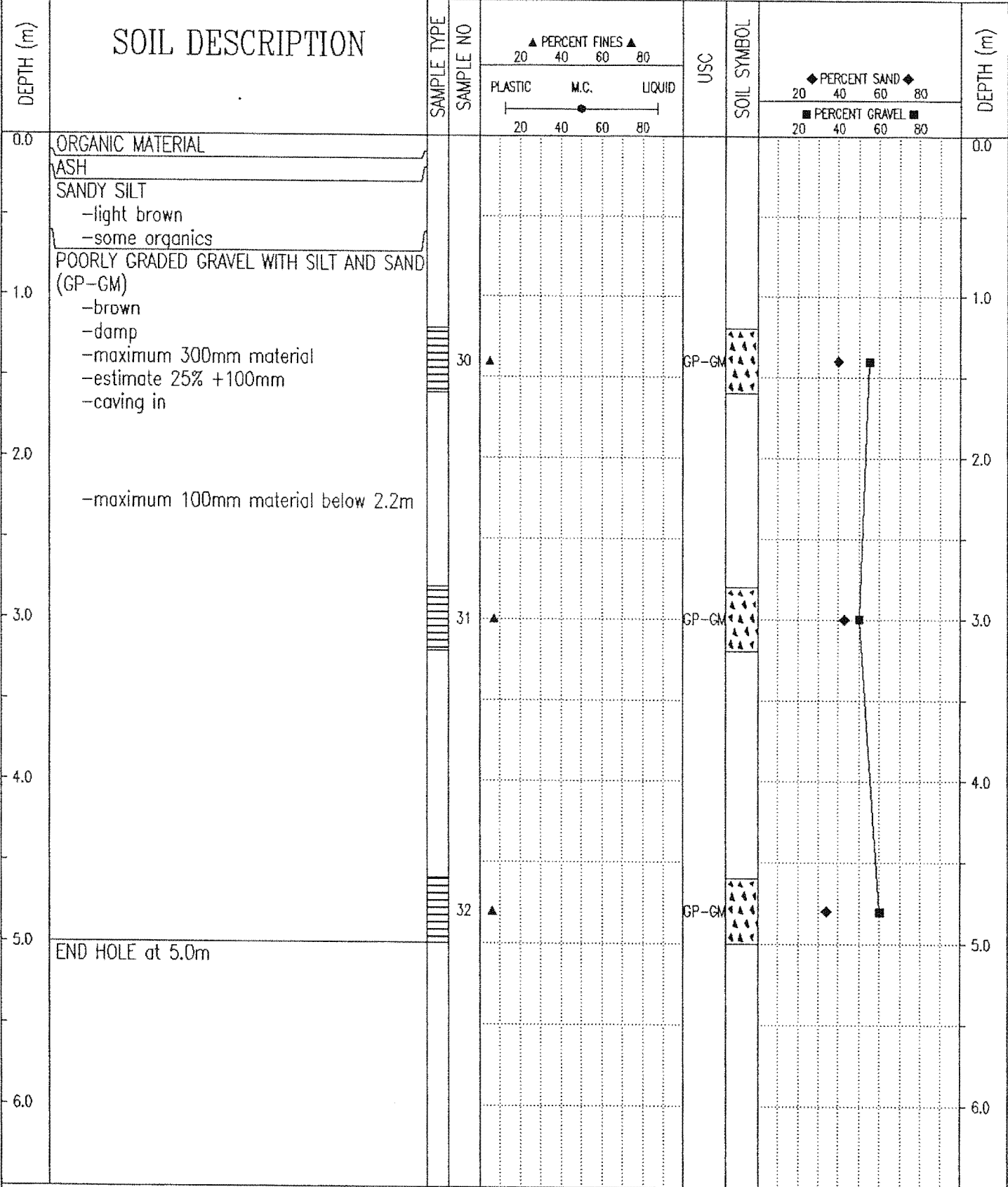
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SUBSURFACE EXPLORATION AND TEST REPORT		FREEGOLD ROAD	TEST PIT NO: 255-10
ENGINEERING-CAPITAL		KM 12.7 RHS	Project No: 202199-0501-193
BACKHOE: CAT 225		LOCATION: Sta. 12+700 o/s 35m Rt.	ELEVATION: 0.00 (m)
SAMPLE TYPE	<input checked="" type="checkbox"/> 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



Government of Yukon Transportation Engineering	LOGGED BY: DT	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 93/10/14
	Fig. No:	Page 1 of 1

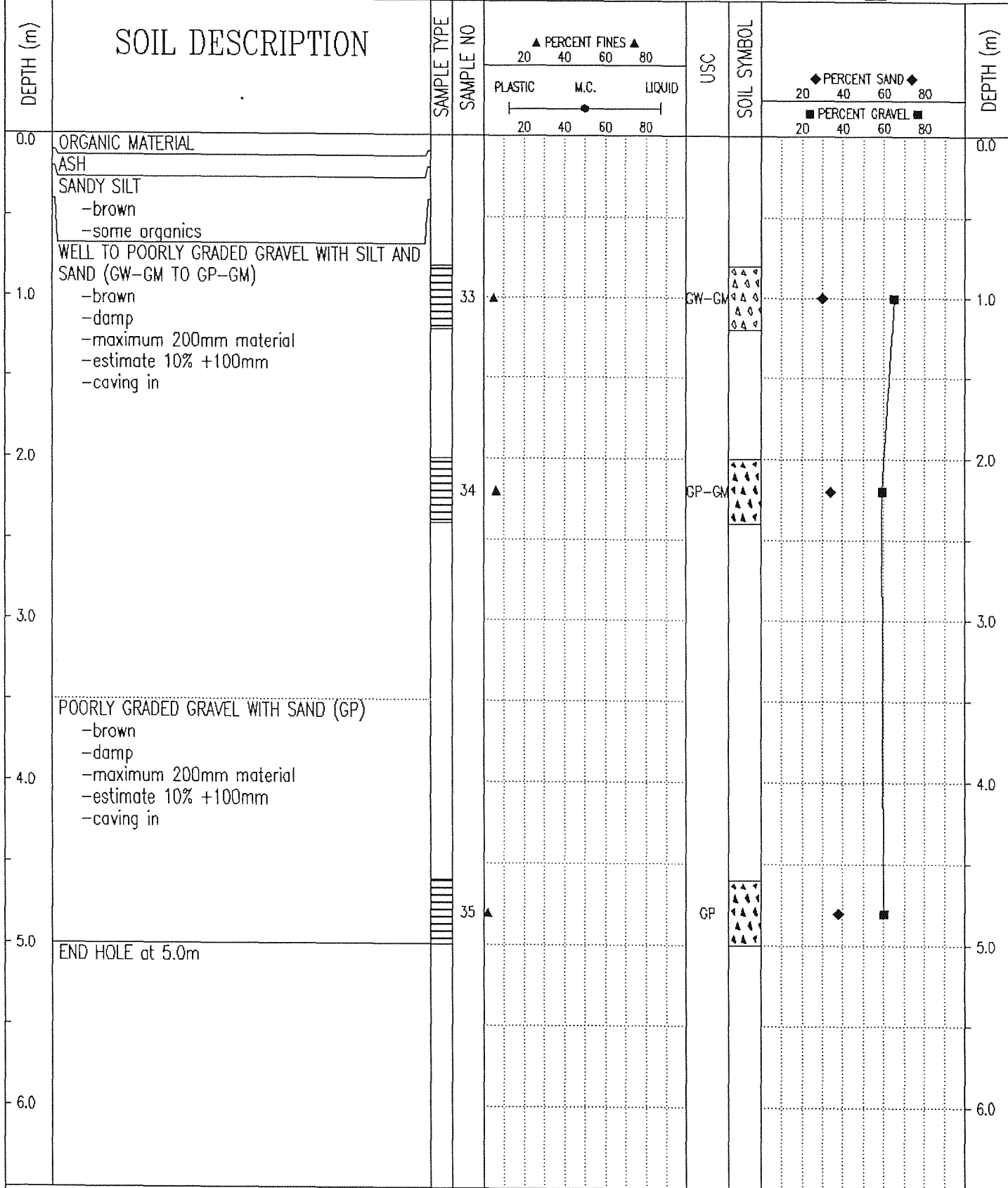
SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD	TEST PIT NO: 255-11
ENGINEERING-CAPITAL	KM 12.6 RHS	Project No: 202199-0501-193
BACKHOE: CAT 225	LOCATION: Sta. 12+600 o/s 65m Rt.	ELEVATION: 0.00 (m)
SAMPLE TYPE <input checked="" type="checkbox"/> RETURN <input checked="" type="checkbox"/> S.P.T. <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> TUBE <input type="checkbox"/> CORE		



Government of Yukon
Transportation Engineering

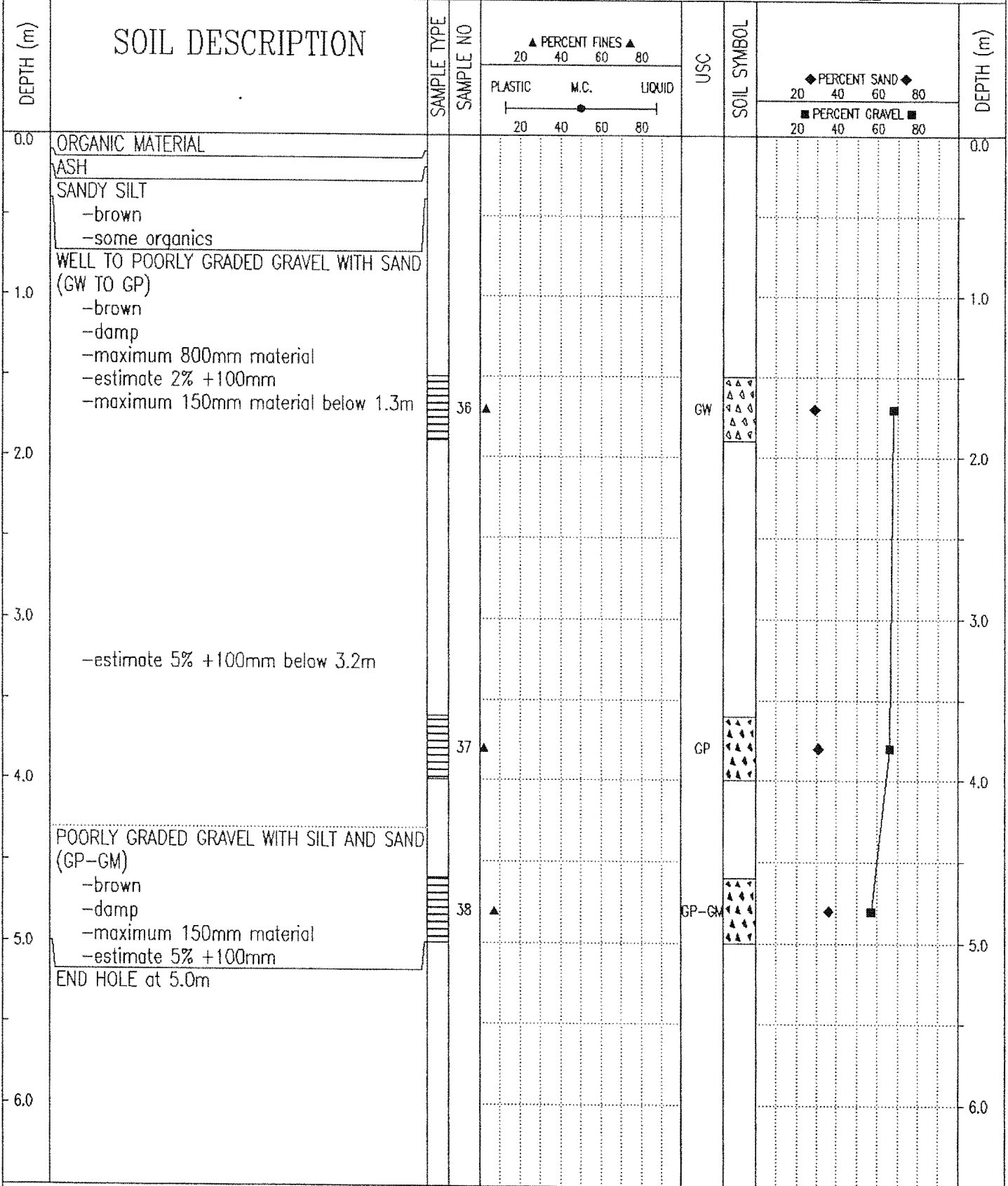
LOGGED BY: DT	COMPLETION DEPTH: 5.0 m
REVIEWED BY:	COMPLETE: 93/10/14
Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	FREGOLD ROAD	TEST PIT NO: 255-12
ENGINEERING-CAPITAL	KM 12.6 RHS	Project No: 202199-0501-193
BACKHOE: CAT 225	LOCATION: Sta. 12+600 o/s 125m Rt.	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		



Government of Yukon Transportation Engineering	LOGGED BY: DT	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 93/10/14
	Fig. No:	Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT	FREEGOLD ROAD	TEST PIT NO: 255-13
ENGINEERING-CAPITAL	KM 12.7 RHS	Project No: 202199-0501-193
BACKHOE: CAT 225	LOCATION: Sta. 12+700 o/s 110m Rt.	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	



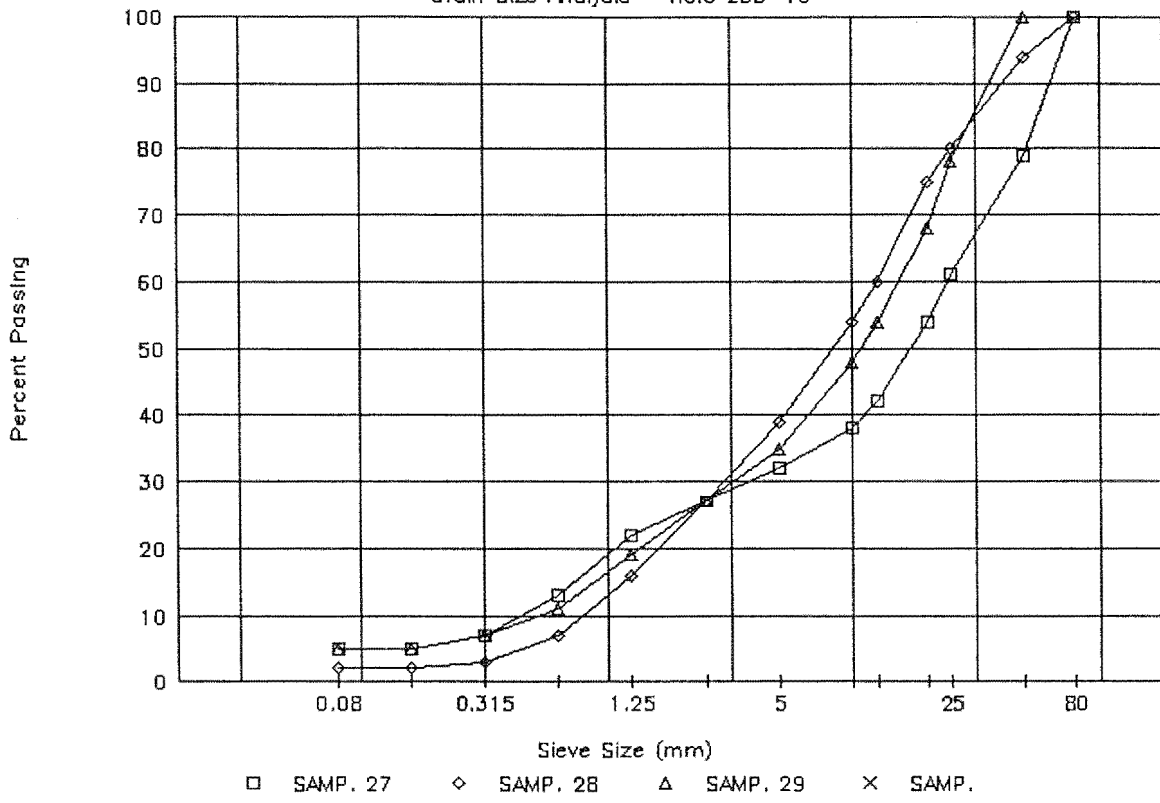
Government of Yukon Transportation Engineering	LOGGED BY: DT	COMPLETION DEPTH: 5.0 m
	REVIEWED BY:	COMPLETE: 93/10/14
	Fig. No:	Page 1 of 1

PROJECT NUMBER: 202199-0501-193 HOLE NUMBER: 255-10
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD
 PROJECT LOCATION: VARIOUS SITES
 DRILL UNIT: BACKHOE: CAT 225
 HOLE LOCATION: 12+700 O/S 35M RT
 LOGGED BY: DT DATE COMPLETED: 93.10.14

FIELD NO: 27		FIELD NO: 28		FIELD NO: 29	
LAB NO: 2303		LAB NO: 2304		LAB NO: 2305	
DEPTH: 0.8-1.2		DEPTH: 2.9-3.3		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	100	80.0	100	80.0	--
50.0	79	50.0	94	50.0	100
31.5	--	31.5	--	31.5	--
25.0	61	25.0	80	25.0	78
20.0	54	20.0	75	20.0	68
12.5	42	12.5	60	12.5	54
10.0	38	10.0	54	10.0	48
5.0	32	5.0	39	5.0	35
2.5	27	2.5	27	2.5	27
2.0	--	2.0	--	2.0	--
1.25	22	1.25	16	1.25	19
0.840	--	0.840	--	0.840	--
0.630	13	0.630	7	0.630	11
0.420	--	0.420	--	0.420	--
0.315	7	0.315	3	0.315	7
0.160	5	0.160	2	0.160	5
0.150	--	0.150	--	0.150	--
0.080	5	0.080	2	0.080	5
M.C. (%)	--	M.C. (%)	--	M.C. (%)	--
LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.
% GRAVEL:	68	% GRAVEL:	61	% GRAVEL:	65
% SAND:	27	% SAND:	37	% SAND:	30
% FINES:	5	% FINES:	2	% FINES:	5
CLASSIFICATION:	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	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 255-10

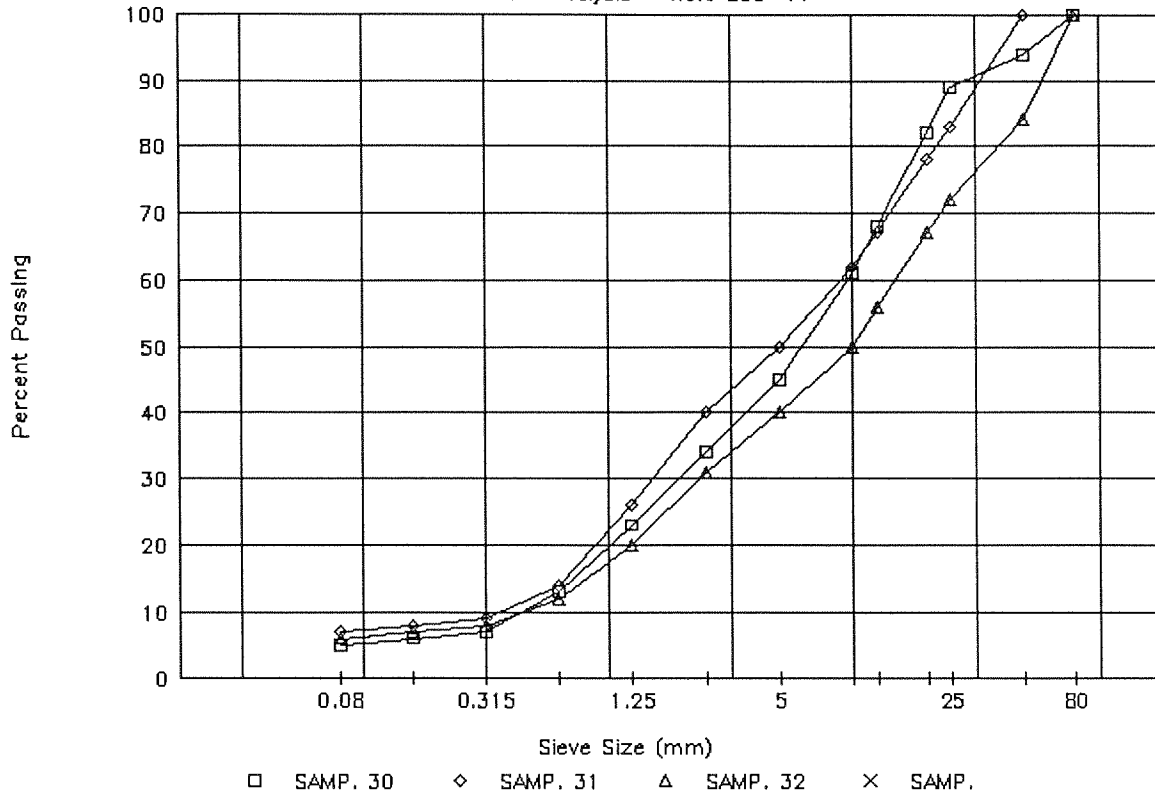


PROJECT NUMBER: 202199-0501-193 HOLE NUMBER: 255-11
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD
 PROJECT LOCATION: VARIOUS SITES
 DRILL UNIT: BACKHOE: CAT 225
 HOLE LOCATION: 12+600 O/S 65M RT
 LOGGED BY: DT DATE COMPLETED: 93.10.14

FIELD NO: 30		FIELD NO: 31		FIELD NO: 32	
LAB NO: 2306		LAB NO: 2307		LAB NO: 2308	
DEPTH: 1.2-1.6		DEPTH: 2.8-3.2		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	100	80.0	--	80.0	100
50.0	94	50.0	100	50.0	84
31.5	--	31.5	--	31.5	--
25.0	89	25.0	83	25.0	72
20.0	82	20.0	78	20.0	67
12.5	68	12.5	67	12.5	56
10.0	61	10.0	62	10.0	50
5.0	45	5.0	50	5.0	40
2.5	34	2.5	40	2.5	31
2.0	--	2.0	--	2.0	--
1.25	23	1.25	26	1.25	20
0.840	--	0.840	--	0.840	--
0.630	13	0.630	14	0.630	12
0.420	--	0.420	--	0.420	--
0.315	7	0.315	9	0.315	8
0.160	6	0.160	8	0.160	7
0.150	--	0.150	--	0.150	--
0.080	5	0.080	7	0.080	6
M.C. (%) :	--	M.C. (%) :	--	M.C. (%) :	--
LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.
% GRAVEL:	55	% GRAVEL:	50	% GRAVEL:	60
% SAND:	40	% SAND:	43	% SAND:	34
% FINES:	5	% FINES:	7	% FINES:	6
CLASSIFICATION:		CLASSIFICATION:		CLASSIFICATION:	
POORLY GRADED		POORLY GRADED		POORLY GRADED	
GRAVEL WITH SILT		GRAVEL WITH SILT		GRAVEL WITH SILT	
& SAND (GP-GM)		& SAND (GP-GM)		& SAND (GP-GM)	

Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 255-11



PROJECT NUMBER: 202199-0501-193 HOLE NUMBER: 255-12
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD
 PROJECT LOCATION: VARIOUS SITES
 DRILL UNIT: BACKHOE: CAT 225
 HOLE LOCATION: 12+600 O/S 125M RT
 LOGGED BY: DT DATE COMPLETED: 93.10.14

FIELD NO: 33
 LAB NO: 2309
 DEPTH: 0.8-1.2
 TYPE: BULK

FIELD NO: 34
 LAB NO: 2310
 DEPTH: 2.0-2.4
 TYPE: BULK

FIELD NO: 35
 LAB NO: 2311
 DEPTH: 4.6-5.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	100
80.0	83
50.0	83
31.5	--
25.0	71
20.0	64
12.5	53
10.0	46
5.0	35
2.5	26
2.0	--
1.25	19
0.840	--
0.630	13
0.420	--
0.315	9
0.160	6
0.150	--
0.080	5

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	80
31.5	--
25.0	65
20.0	58
12.5	50
10.0	47
5.0	41
2.5	35
2.0	--
1.25	29
0.840	--
0.630	19
0.420	--
0.315	10
0.160	7
0.150	--
0.080	6

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	92
31.5	--
25.0	76
20.0	71
12.5	59
10.0	53
5.0	40
2.5	28
2.0	--
1.25	17
0.840	--
0.630	9
0.420	--
0.315	4
0.160	2
0.150	--
0.080	2

M.C. (%): --

M.C. (%): --

M.C. (%): --

LIMITS

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

LIMITS

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

LIMITS

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

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

% GRAVEL: 59
 % SAND: 34
 % FINES: 6

% GRAVEL: 60
 % SAND: 38
 % FINES: 2

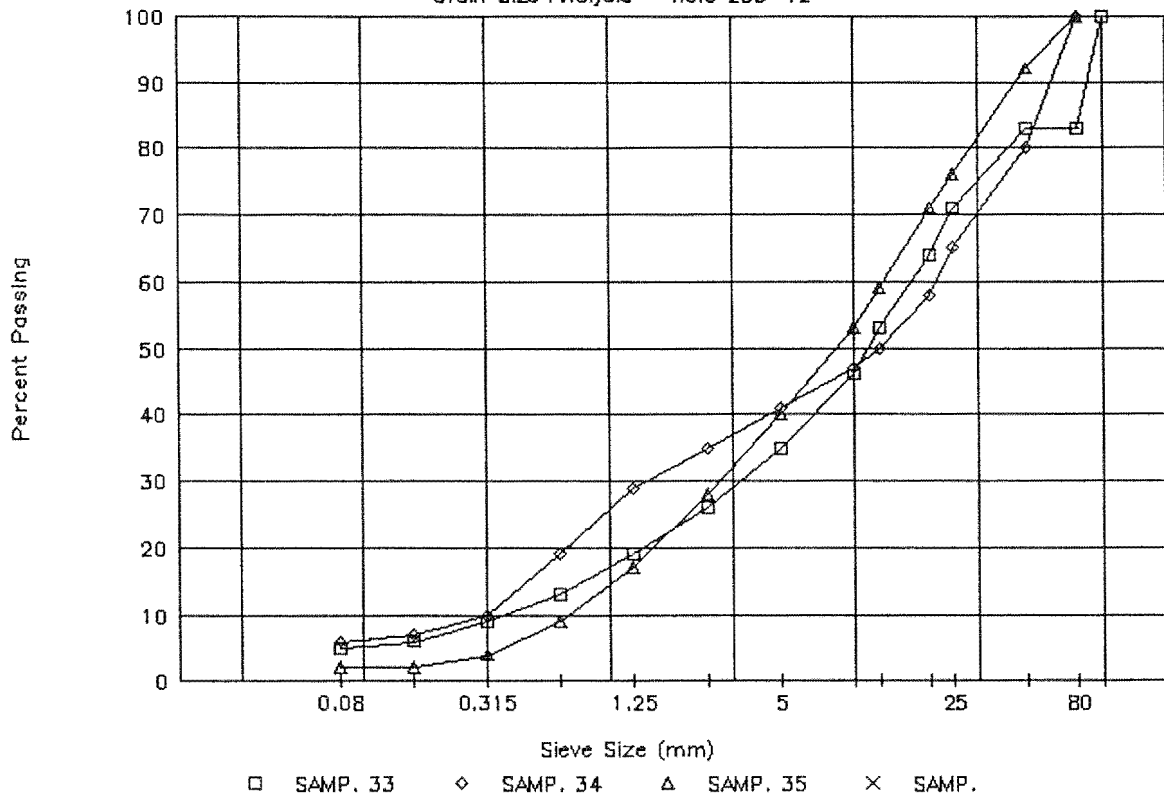
CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SILT
 & SAND (GW-GM)

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 255-12



PROJECT NUMBER: 202199-0501-193 HOLE NUMBER: 255-13
 CLIENT: ENGINEERING-CAPITAL
 PROJECT NAME: FREEGOLD ROAD
 PROJECT LOCATION: KM 22.225 LHS
 DRILL UNIT: BACKHOE: CAT 225
 HOLE LOCATION: 12+700 O/S 110M RT
 LOGGED BY: DT DATE COMPLETED: 93.10.14

FIELD NO: 36
 LAB NO: 2312
 DEPTH: 1.5-1.9
 TYPE: BULK

FIELD NO: 37
 LAB NO: 2313
 DEPTH: 3.6-4.0
 TYPE: BULK

FIELD NO: 38
 LAB NO: 2314
 DEPTH: 4.6-5.0
 TYPE: BULK

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	73
31.5	--
25.0	66
20.0	58
12.5	48
10.0	43
5.0	32
2.5	27
2.0	--
1.25	22
0.840	--
0.630	14
0.420	--
0.315	6
0.160	3
0.150	--
0.080	3

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	100
50.0	81
31.5	--
25.0	68
20.0	61
12.5	51
10.0	46
5.0	34
2.5	26
2.0	--
1.25	18
0.840	--
0.630	9
0.420	--
0.315	4
0.160	3
0.150	--
0.080	2

SIEVE SIZE	PERCENT PASSING
100.0	--
80.0	--
50.0	100
31.5	--
25.0	80
20.0	74
12.5	61
10.0	54
5.0	43
2.5	36
2.0	--
1.25	26
0.840	--
0.630	16
0.420	--
0.315	10
0.160	8
0.150	--
0.080	7

M.C. (%): --

M.C. (%): --

M.C. (%): --

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

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

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

% GRAVEL: 68
 % SAND: 29
 % FINES: 3

% GRAVEL: 66
 % SAND: 31
 % FINES: 2

% GRAVEL: 57
 % SAND: 36
 % FINES: 7

CLASSIFICATION:
 WELL-GRADED
 GRAVEL WITH SAND
 (GW)

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SAND
 (GP)

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

Y.T.G. TRANSPORTATION ENGINEERING

Grain Size Analysis - Hole 255-13

