

# **APPENDIX A**

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

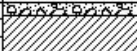






Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
-1	0 to 0.5		<b>Gravel Road Topping</b> Crushed Limestone and sand
	0.5 to 1.5		<b>Clay Fill</b> Black/brown clay; some silt and gravel intermixed; frozen
	1.5 to 2.5		<b>Silty Clay</b> Medium brown/black clay, some silt; stiff; frozen to 1.5m.
-2	2.5 to 2.8		<b>Silt</b> Medium-to-light brown; soft; moist-to-wet
-3	2.8 to 3.0		<b>Clay</b> Olive/brown clay; trace gypsum inclusions; firm-to-stiff
	3.0 to 4.8		moist; plastic. - At 3.0m, becoming stiff.
-6	4.8 to 6.0		- At 4.8m, becoming grey clay; trace gypsum inclusions; soft-to-firm; moist-to-wet; plastic
	6.0		<b>End of Borehole</b>
	7		
	8		
	9		
-10	10		

Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type: 127 mm Solid Stem

Datum: N/A

Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

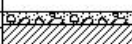




Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
0	0		<b>Gravel Road Topping</b> Crushed Limestone and sand
	1		<b>Clay Fill</b> Black/brown clay, some silt and gravel intermixed, frozen
	2		<b>Silty Clay</b> Grey/black clay, with some silt; stiff, frozen to 1.5m, moist at 1.6m.
-2			<b>Silt</b>
-3	3		Medium-to-light brown; soft, moist-to-wet
	4		<b>Clay</b> - At 2.7m to 4.2m, Brown/black clay, stiff, moist, plastic.
	5		- At 4.2m to 4.9m, olive/brown clay, firm-to-stiff, moist, plastic.
	6		- At 4.9m to 6.0m light brown clay, stiff, moist, plastic
-6	6		<b>End of Borehole</b>
	7		
	8		
	9		
-10	10		

Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation: N/A

Drill Type: 127 mm Solid Stem

Date Measured: N/A

Datum: N/A

Well Materials: N/A

Well Casing Elevation: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
0	0		<b>Gravel Road Topping</b> Crushed Limestone and sand
	1		<b>Clay Fill</b> Black/brown clay; some silt and gravel intermixed; frozen
	2		<b>Silty Clay</b> Grey/black clay, with trace silt; stiff; frozen to 1.2m, moist at 1.3m.
-2	3		- Becomes medium-to-light brown clay at 1.5m; some silt; dry-to-moist to 2.25m. <b>Silt</b> Light brown; soft; moist-to-wet
-3	4		<b>Clay</b> - At 2.7m to 4.8m, medium brown clay; stiff; moist; plastic. - At 4.8m, becoming grey clay; firm; trace gypsum inclusions; moist; plastic.
-6	6		<b>End of Borehole</b>
	7		
	8		
	9		
-10	10		

Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type:

Datum:

Well Casing Elevation:

Water Table Elevation:

Date Measured:

Well Materials:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

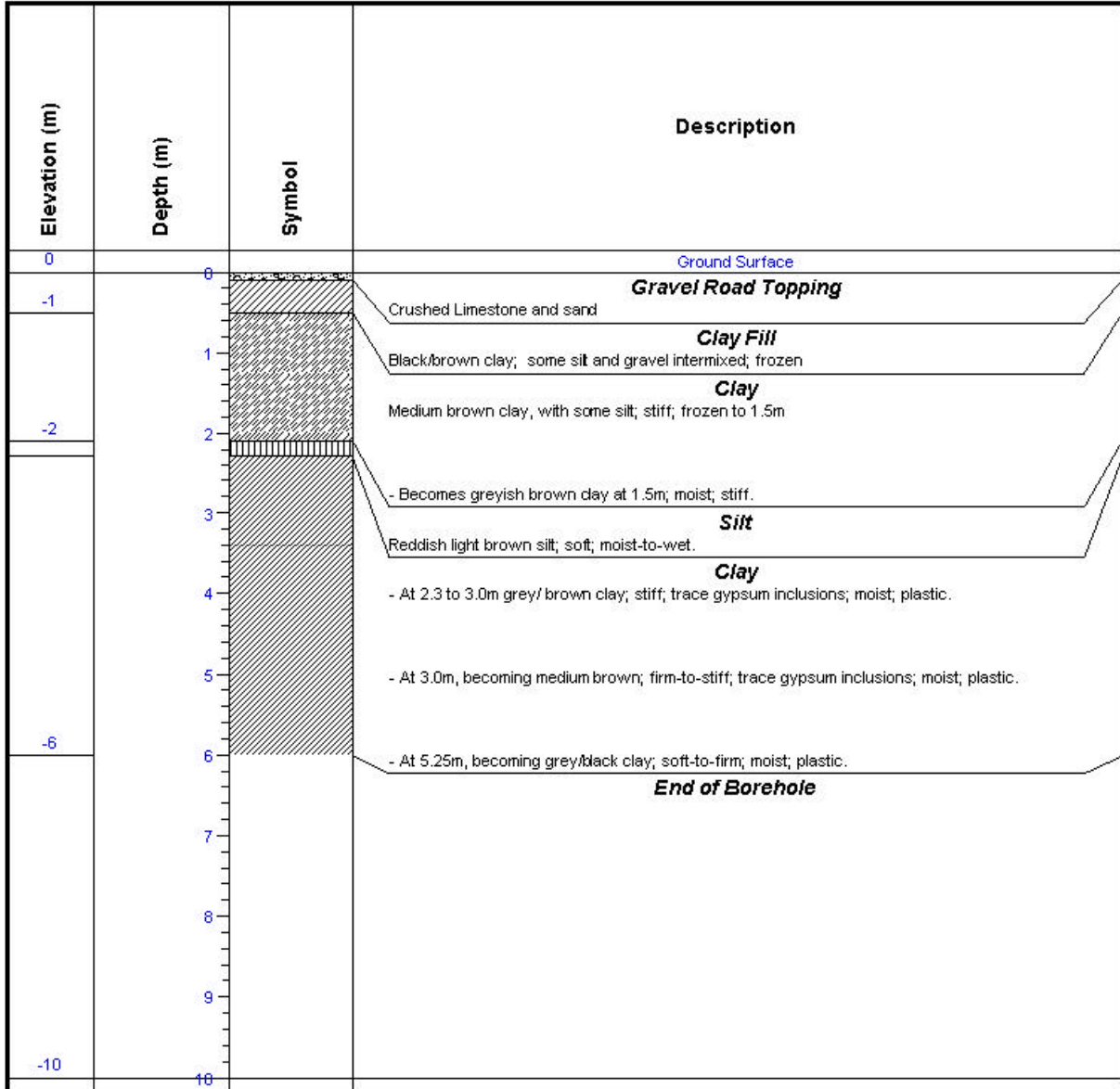
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: [Maple Leaf Enterprises Ltd.](#)

Drill Type:

Datum:

Well Casing Elevation:

Water Table Elevation:

Date Measured:

Well Materials:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
-1	0 to 0.5		<b>Gravel Road Topping</b> Crushed Limestone and sand
-2	0.5 to 1.5		<b>Clay Fill</b> Black/brown clay with some silt and gravel intermixed; frozen
-2	1.5 to 2.0		<b>Clayey Silt</b> Light brown silt with some clay, clay content increasing with depth; dry-to-moist, frozen to 1.5m, becoming moist at 1.6m; loose
-2	2.0 to 2.5		<b>Clay</b> Medium brown clay; stiff; moist; plastic.
-2	2.5 to 3.0		<b>Silt</b> Light brown silt; loose; moist
-6	3.0 to 6.0		<b>Clay</b> Medium brown clay with some silt inclusions; firm; moist; clay content increasing with depth.  - At 3.0m, light-medium brown clay; firm, stiff at 4.0; moist; plastic.  - At 5.0m, grey/brown clay; firm; moist; plastic.
-10	6.0		<b>End of Borehole</b>

Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type: 127 mm Solid Stem

Datum: N/A

Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

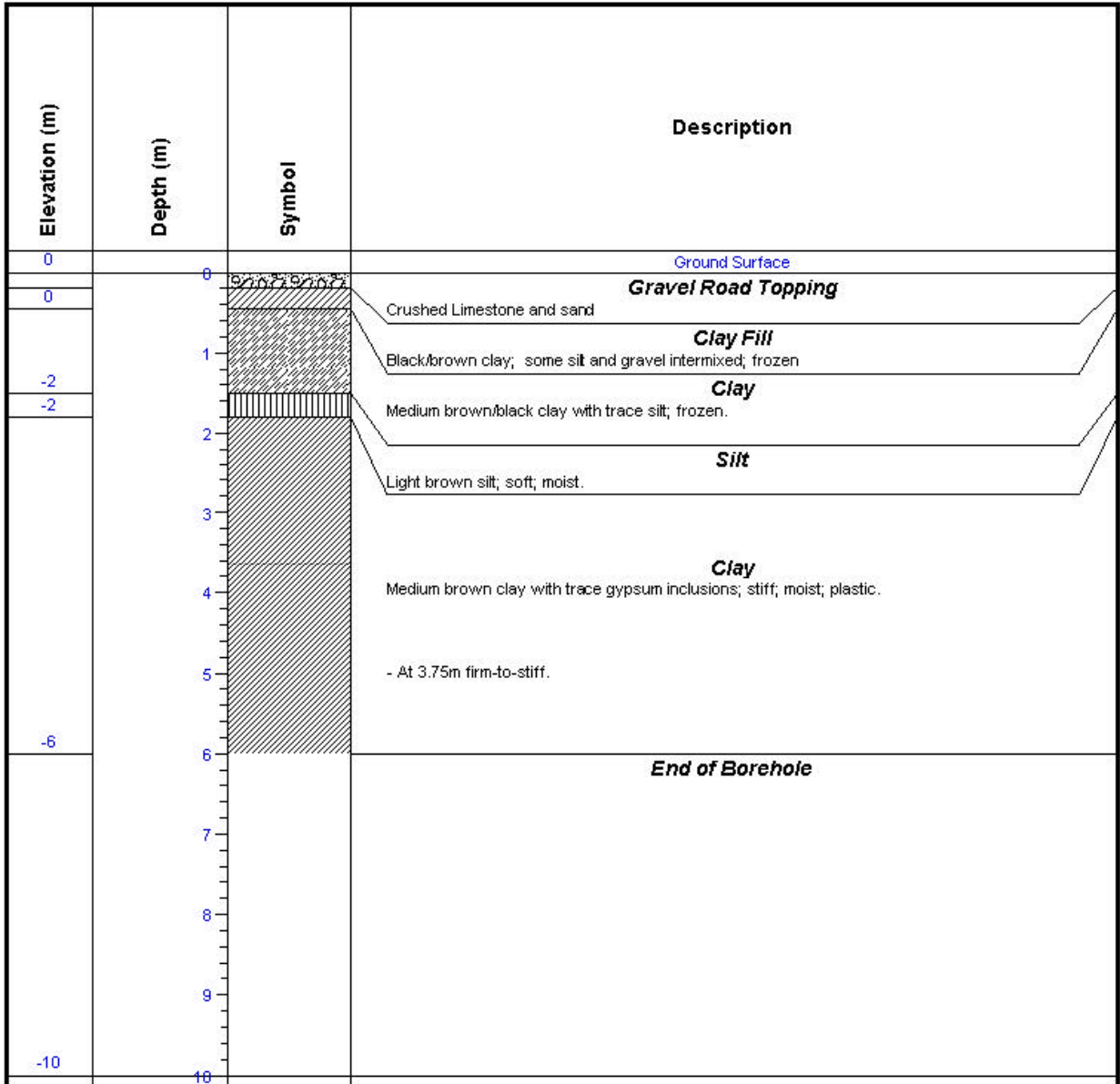
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: [Maple Leaf Enterprises Ltd.](#)

Drill Type:

Datum:

Well Casing Elevation:

Water Table Elevation:

Date Measured:

Well Materials:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

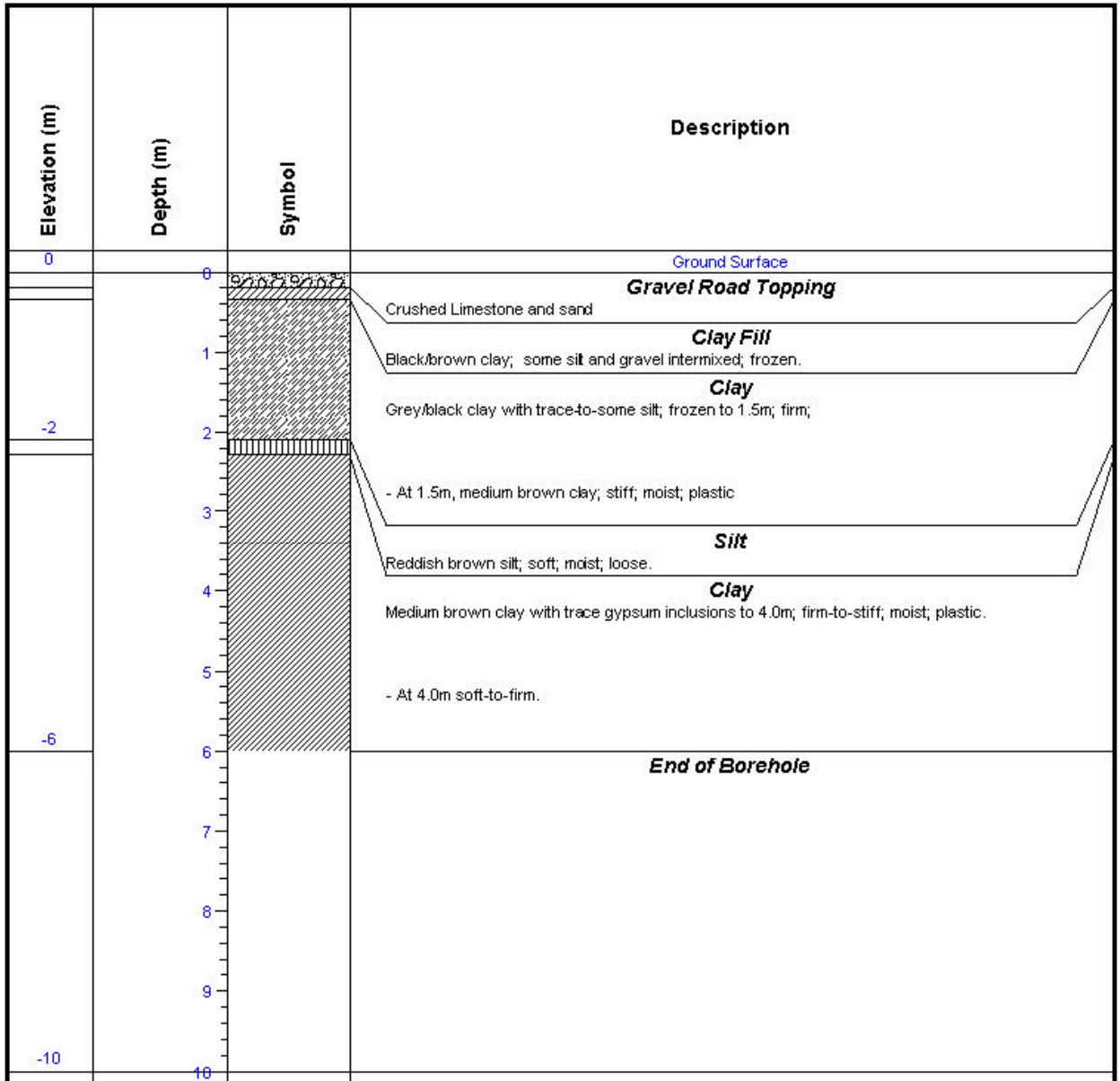
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type: 127 mm Solid Stem

Datum: N/A

Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A



Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

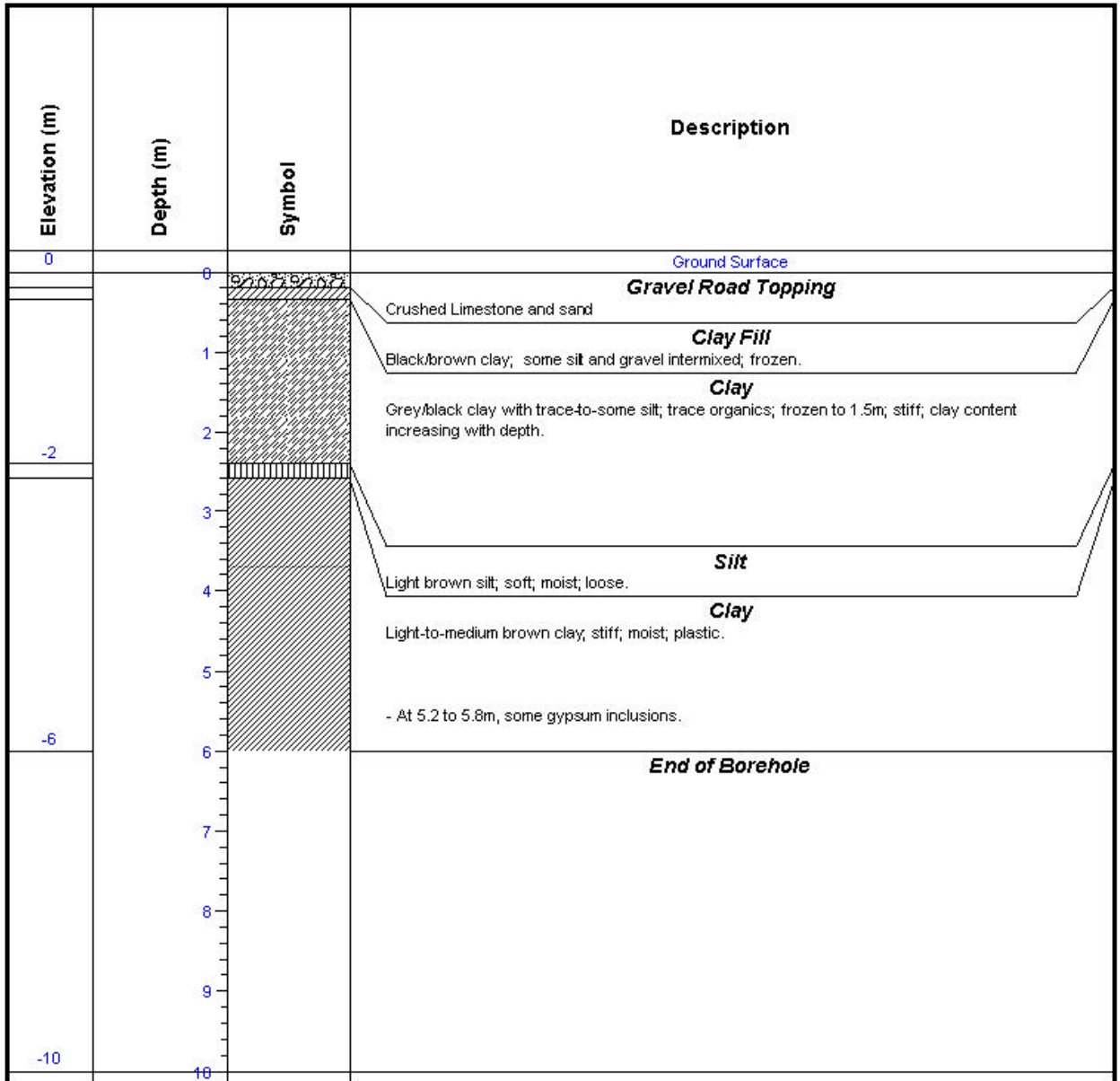
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: [Maple Leaf Enterprises Ltd.](#)

Water Table Elevation:

Drill Type:

Date Measured:

Datum:

Well Materials:

Well Casing Elevation:

## BOREHOLE LOG: TH-9

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

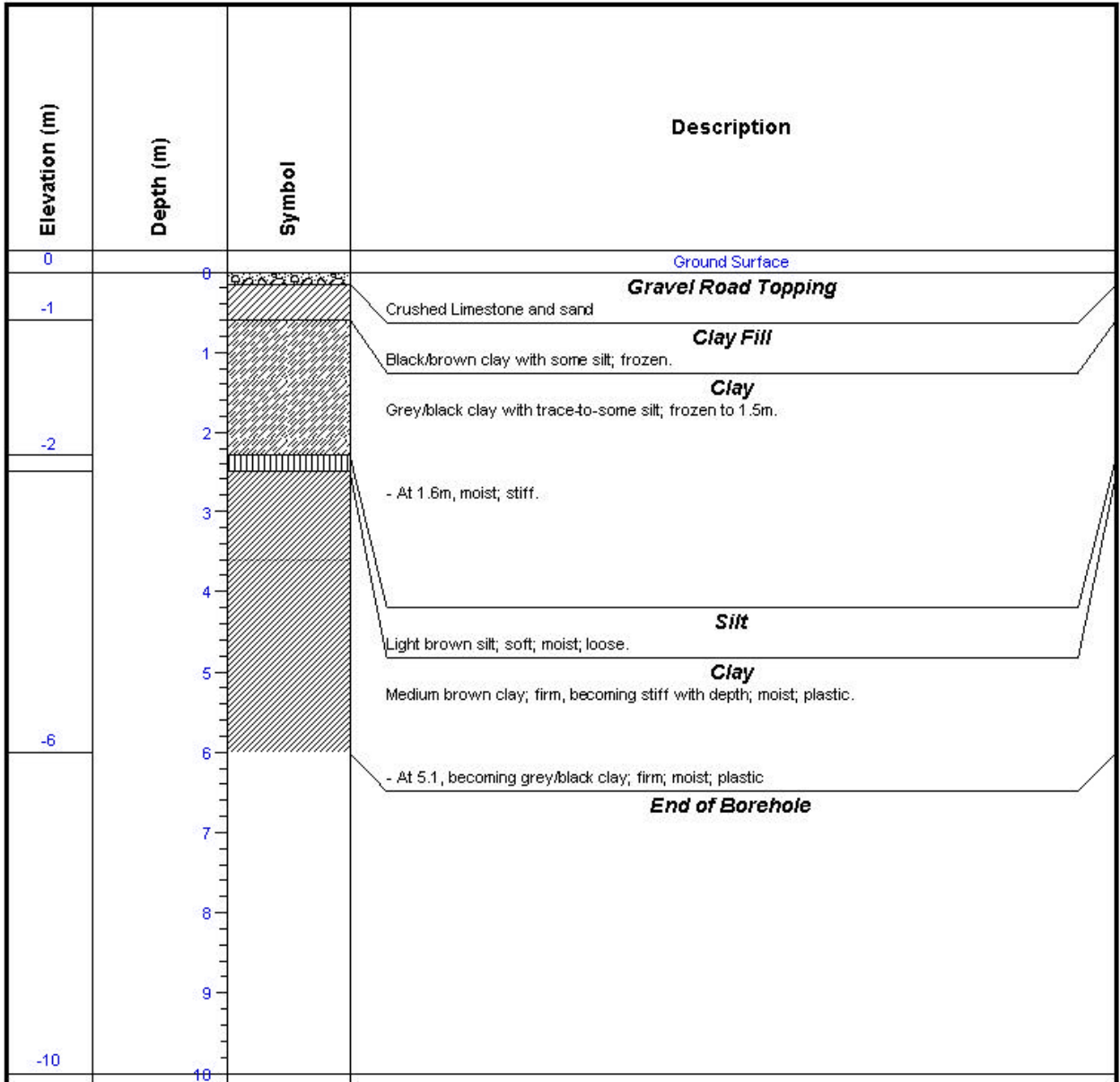
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation: N/A

Drill Type: 127 mm Solid Stem

Date Measured: N/A

Datum: N/A

Well Materials: N/A

Well Casing Elevation: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0			Ground Surface
0	0		<b>Topsoil (Organics)</b>
			<b>Silty Clay</b> Black/brown clay with some silt; frozen to 1.1m.
-2	1		
			<b>Silt</b> - At 1.2m, dry-to-moist; stiff. Light brown silt; soft; moist; loose.
	2		
			<b>Clay</b> Olive brown clay; trace gypsum inclusion from 1.7 to 3.0m; soft-to-firm; moist; plastic
	3		
	4		- At 4.0m, firm
	5		- At 7.2m, grey clay; soft-to-firm; moist; plastic.
	6		- At 9.0m, medium brown clay; firm-to-stiff; moist; plastic.
	7		
	8		
	9		
-10	10		

Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation: N/A

Drill Type: 127 mm Solid Stem

Date Measured: N/A

Datum: N/A

Well Materials: N/A

Well Casing Elevation: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

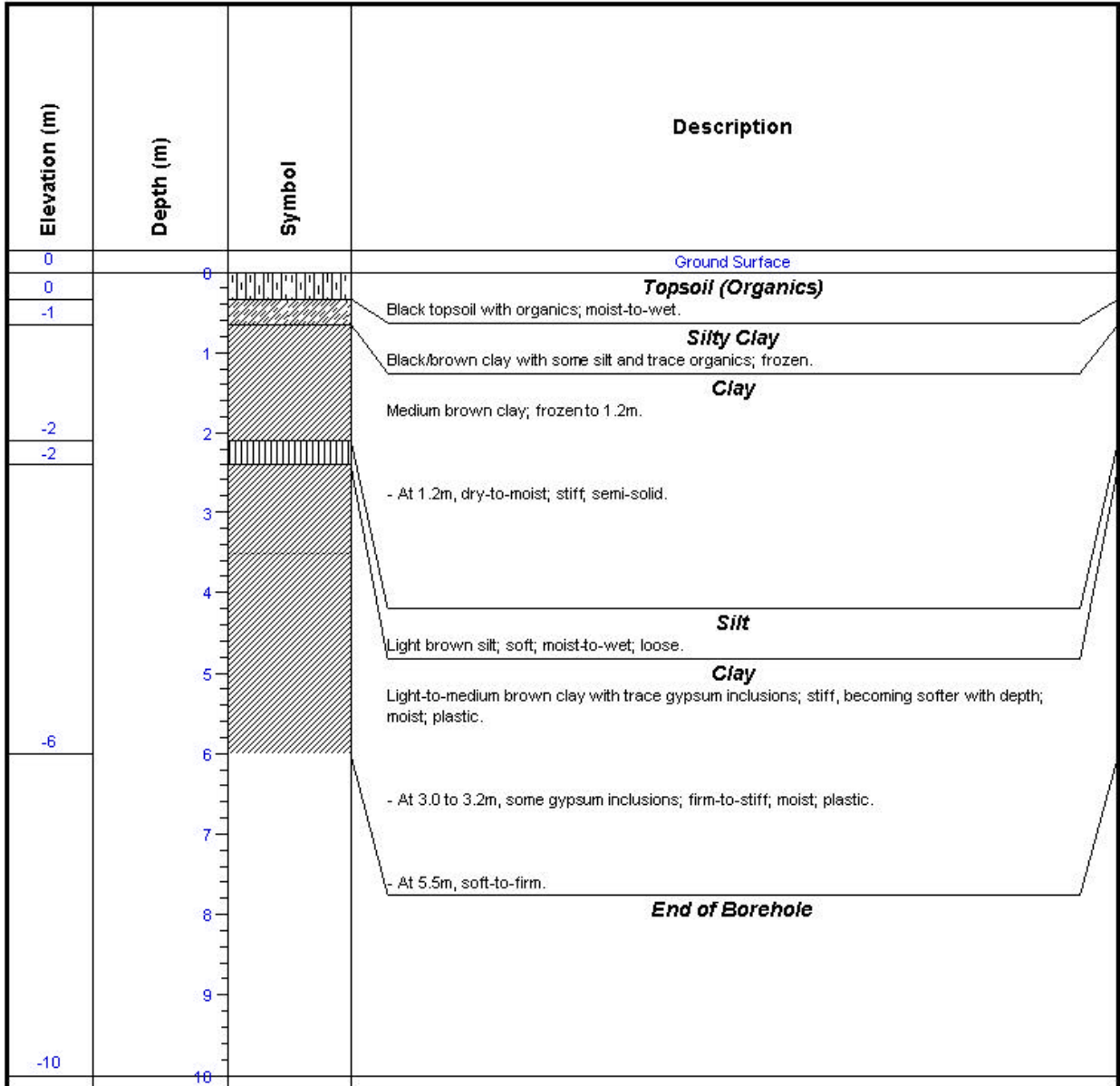
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type: 127 mm Solid Stem

Datum: N/A

Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

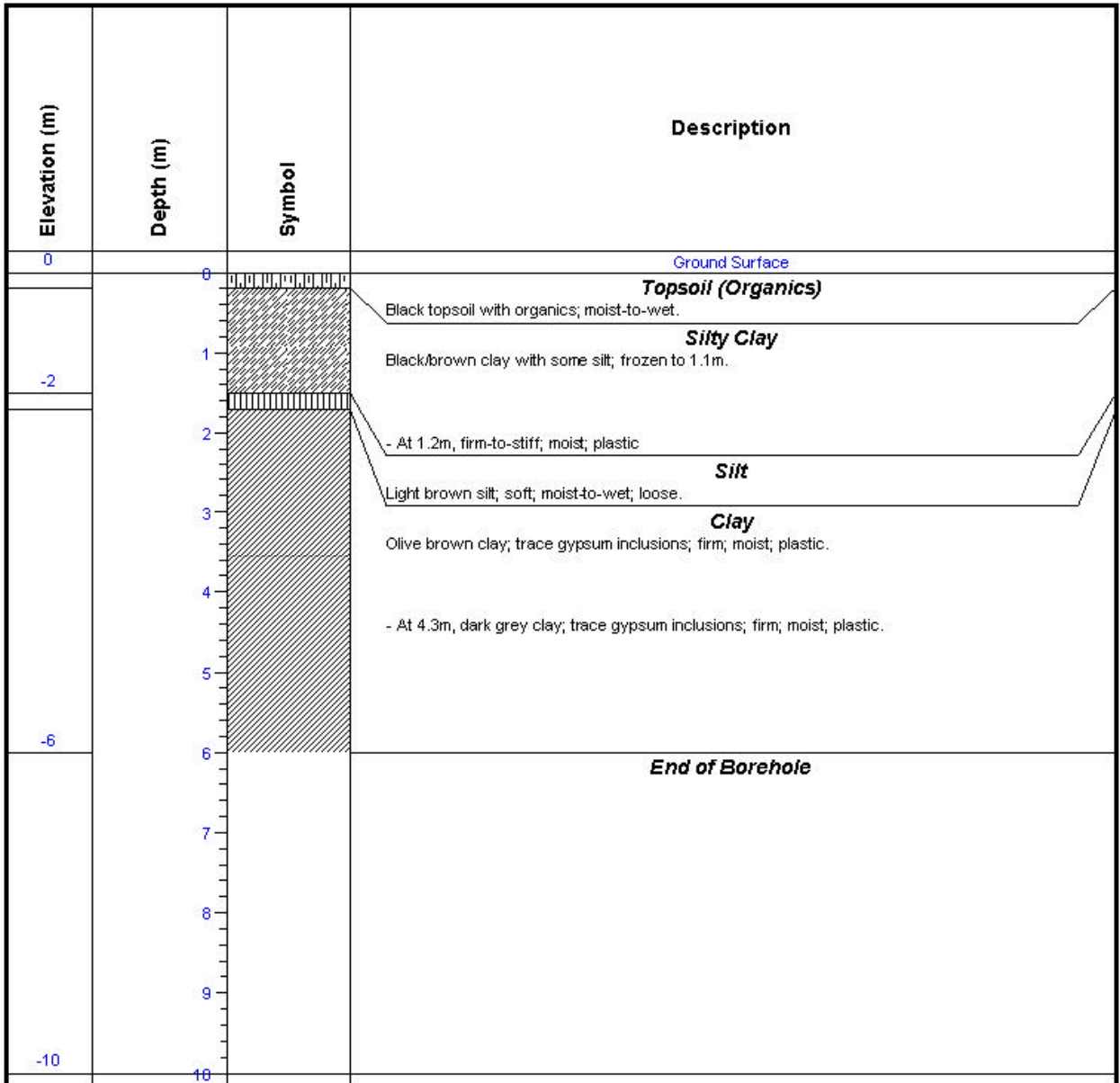
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation: N/A

Drill Type: 127 mm Solid Stem

Date Measured: N/A

Datum: N/A

Well Materials: N/A

Well Casing Elevation: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

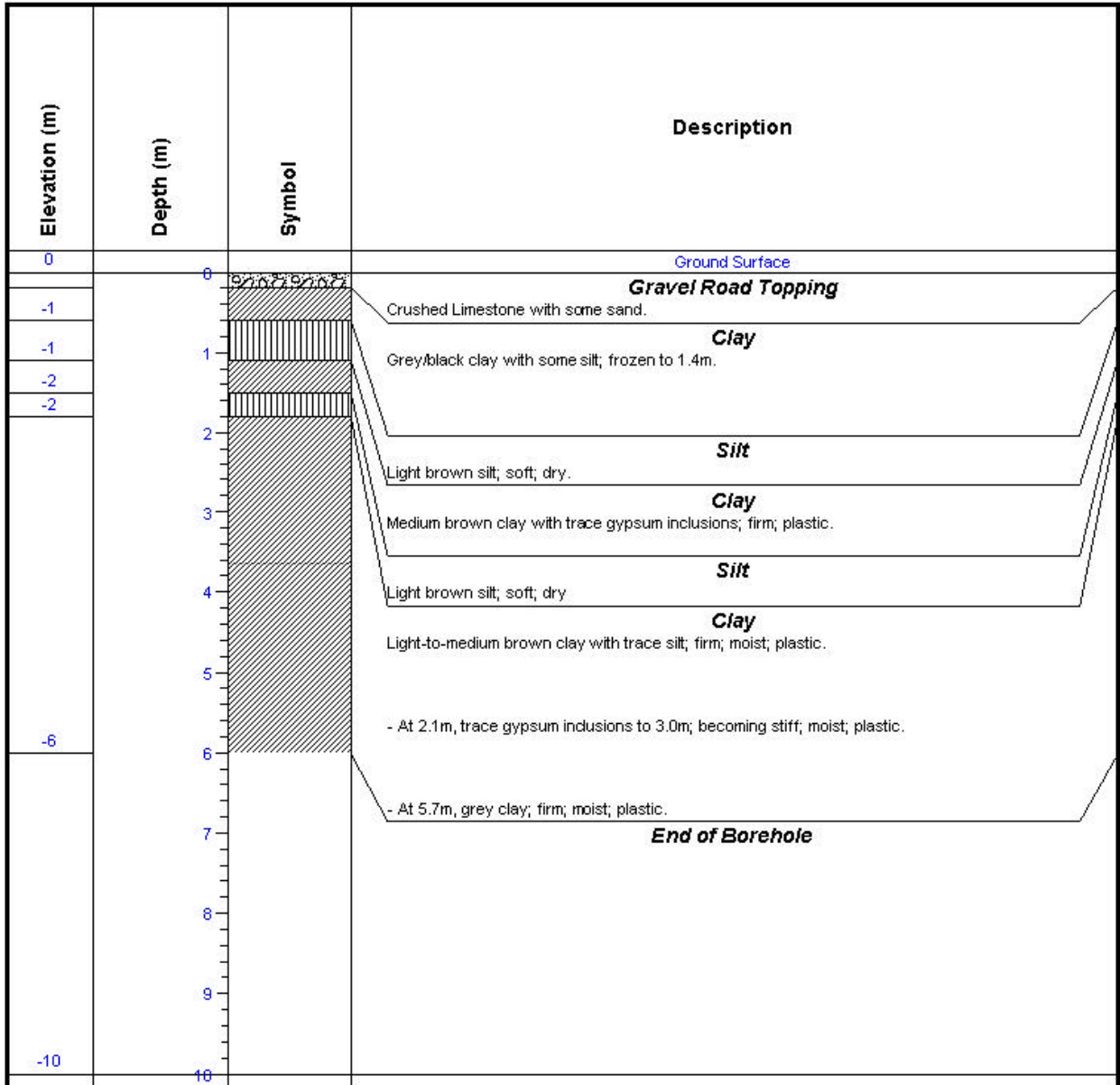
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation:

Drill Type:

Date Measured:

Datum:

Well Materials:

Well Casing Elevation:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

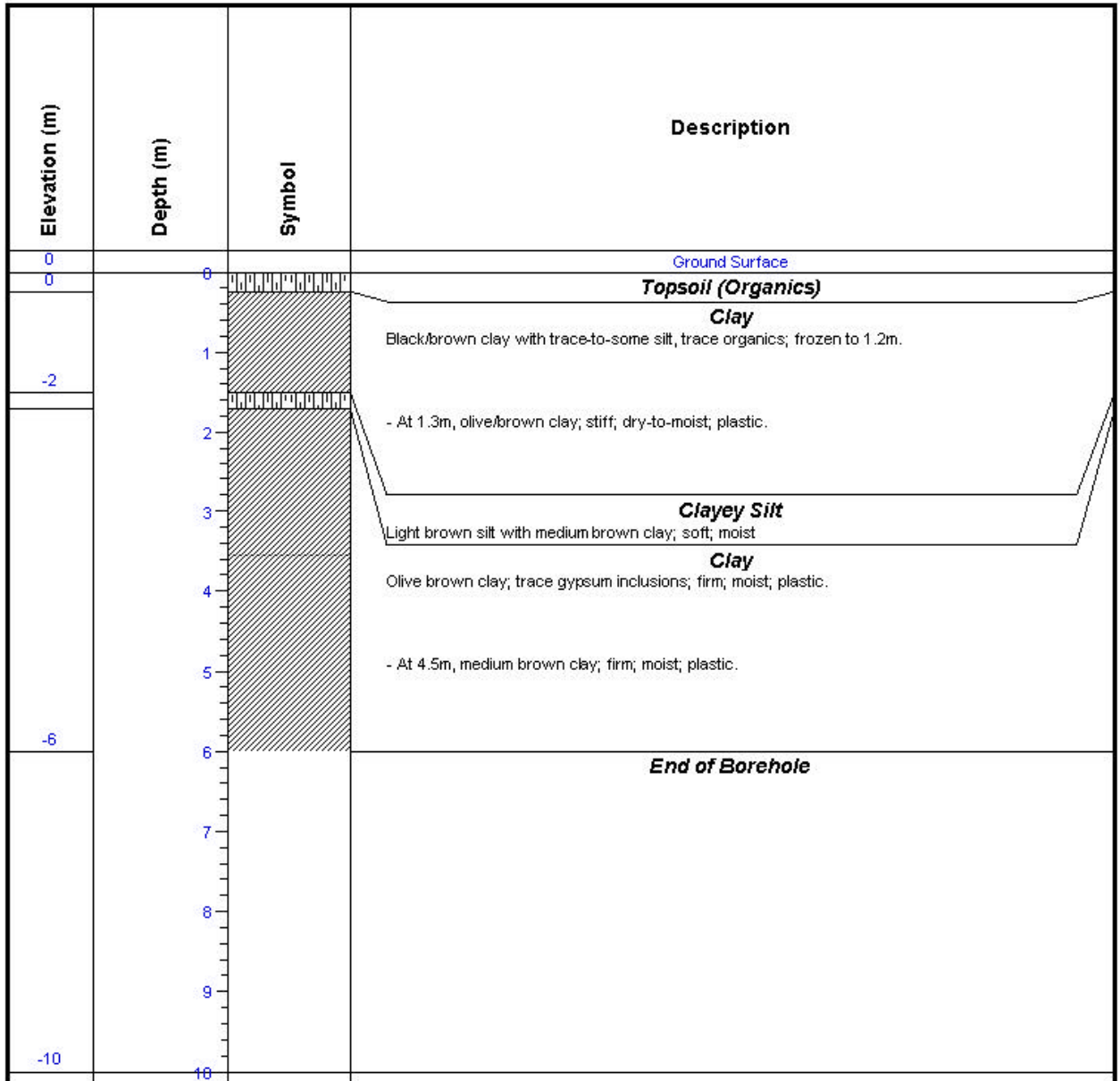
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Drill Type: 127 mm Solid Stem

Datum: N/A

Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A



Engineering Inc.

## BOREHOLE LOG: TH-15

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

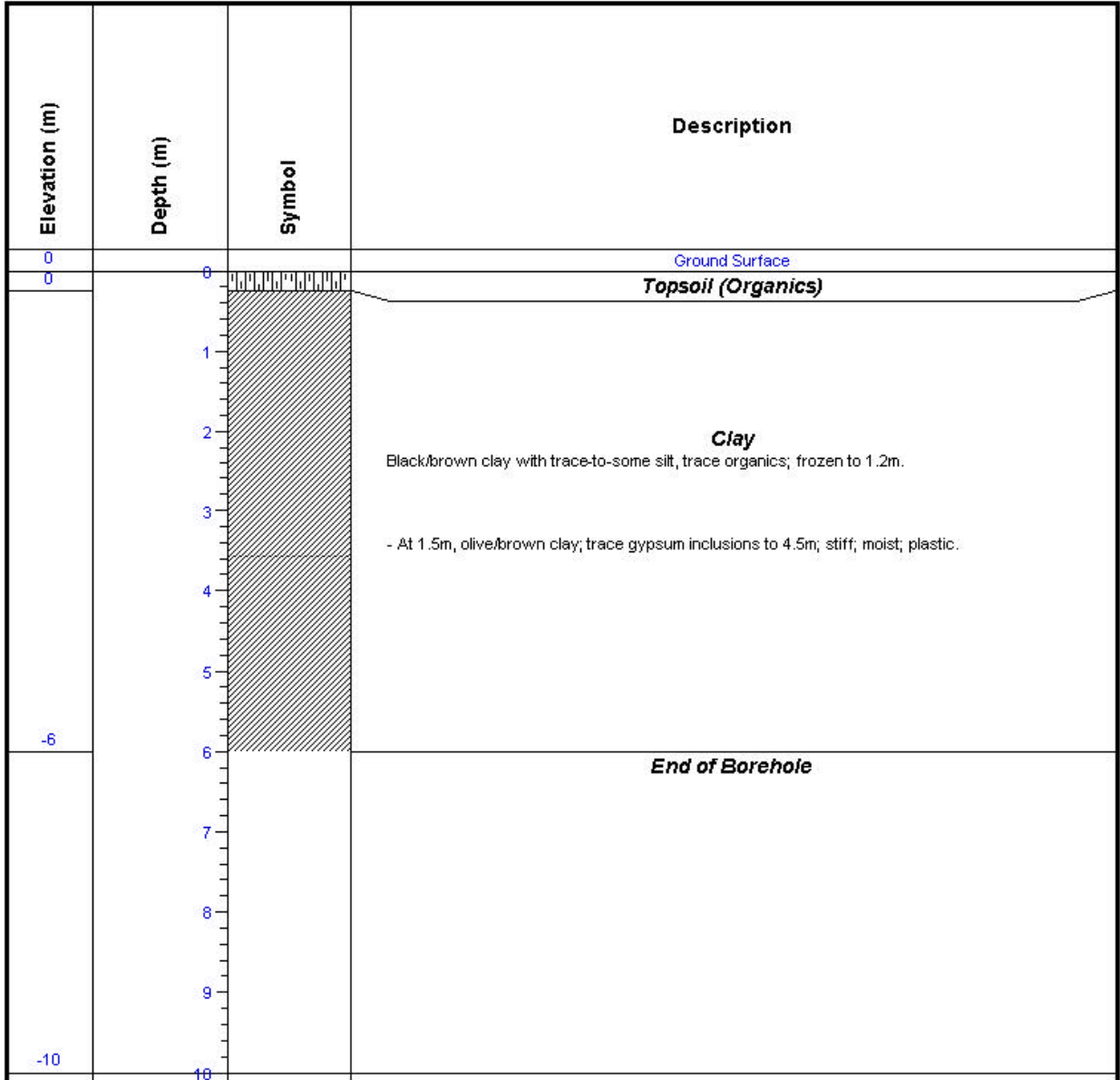
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: [Maple Leaf Enterprises Ltd.](#)

Drill Type:

Datum:

Well Casing Elevation:

Water Table Elevation:

Date Measured:

Well Materials: