

# **APPENDIX A**

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION


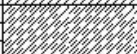
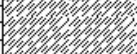

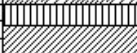


Drawn By: P.C.F.

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.

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

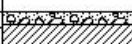




Drawn By: P.C.F.

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 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

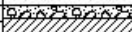
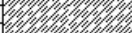



Drawn By: P.C.F.

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>
-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

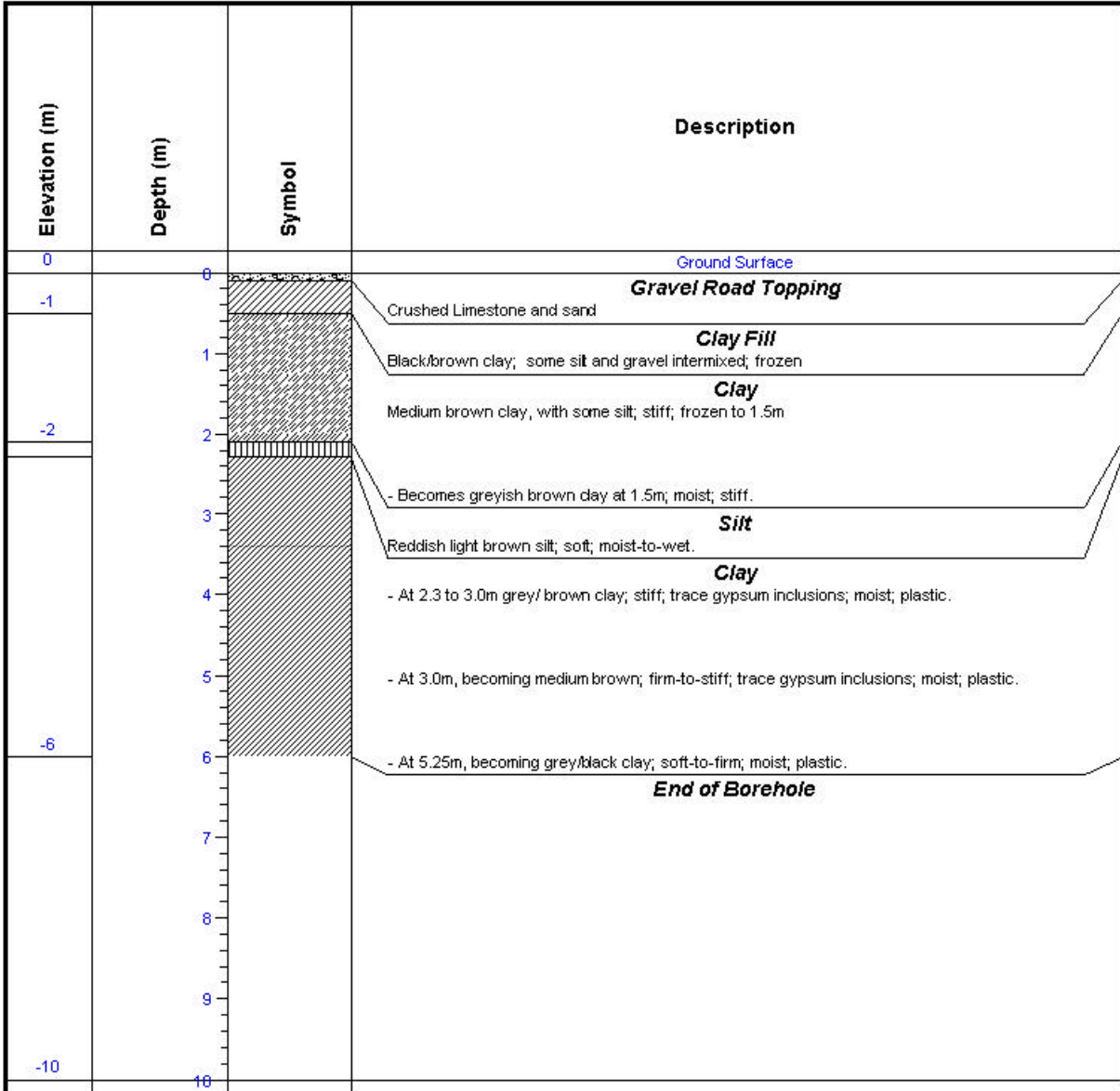
Drawn By: P.C.F.

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 0.2		<b>Gravel Road Topping</b> Crushed Limestone and sand
-2	0.2 to 0.5		<b>Clay Fill</b> Black/brown clay with some silt and gravel intermixed; frozen
-2	0.5 to 1.5		<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	1.5 to 2.0		<b>Clay</b> Medium brown clay; stiff; moist; plastic.
-2	2.0 to 2.5		<b>Silt</b> Light brown silt; loose; moist
-2	2.5 to 3.0		<b>Clay</b> Medium brown clay with some silt inclusions; firm; moist; clay content increasing with depth.
-6	3.0 to 4.0		- At 3.0m, light-medium brown clay; firm, stiff at 4.0; moist; plastic.
-6	4.0 to 5.0		- At 5.0m, grey/brown clay; firm; moist; plastic.
-6	5.0 to 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

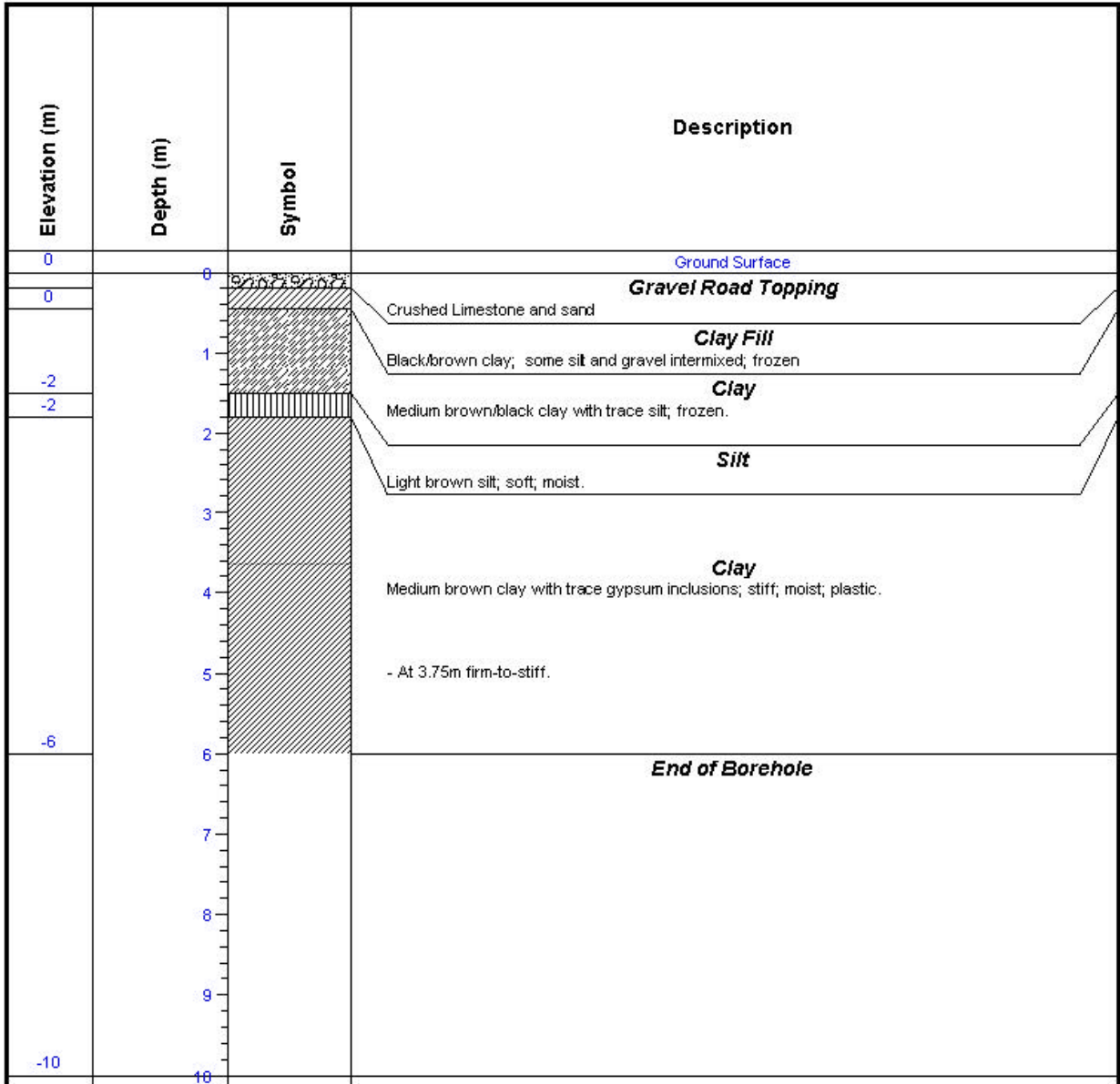
Drawn By: P.C.F.

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

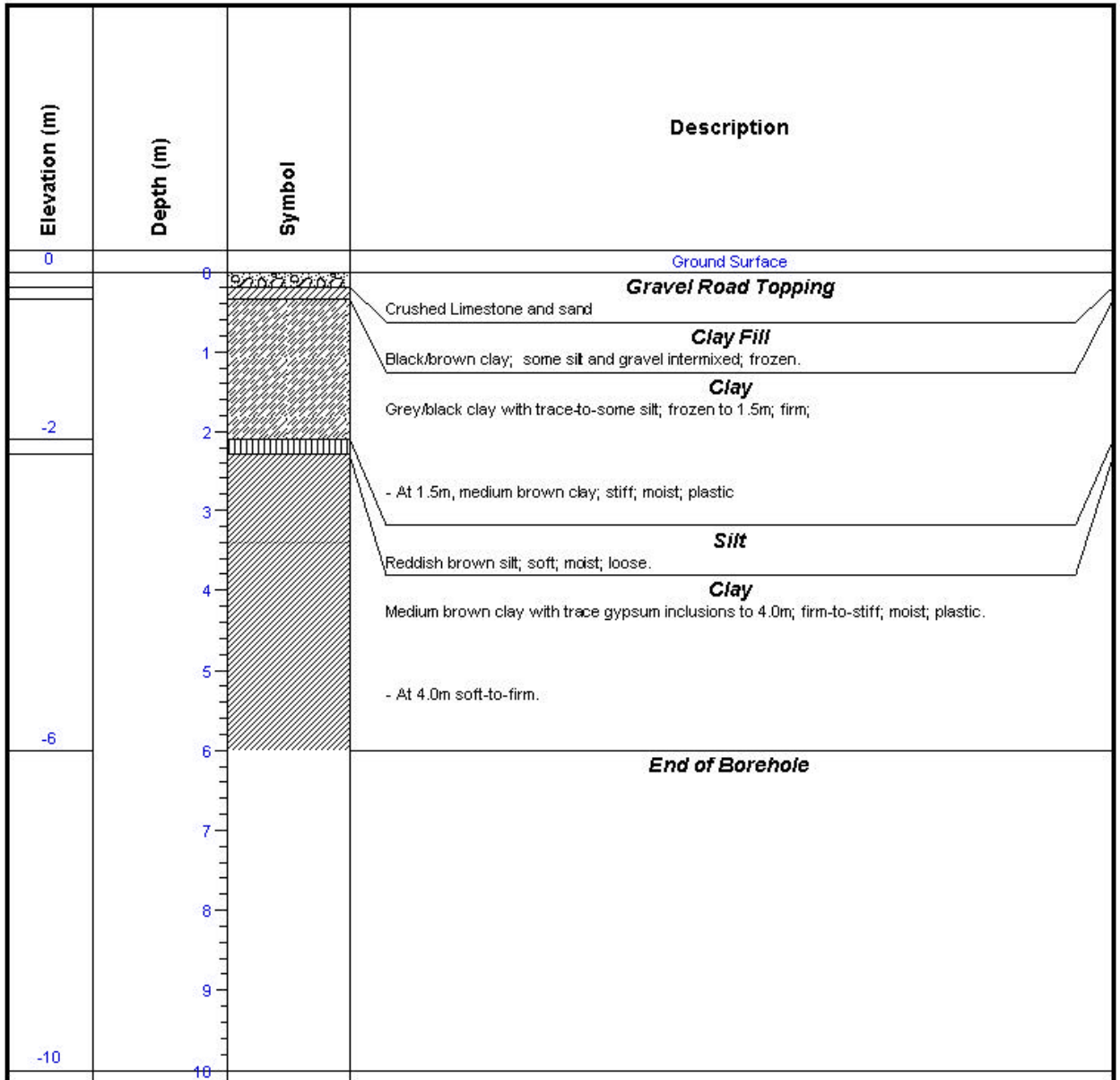
Drawn By: P.C.F.

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.

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

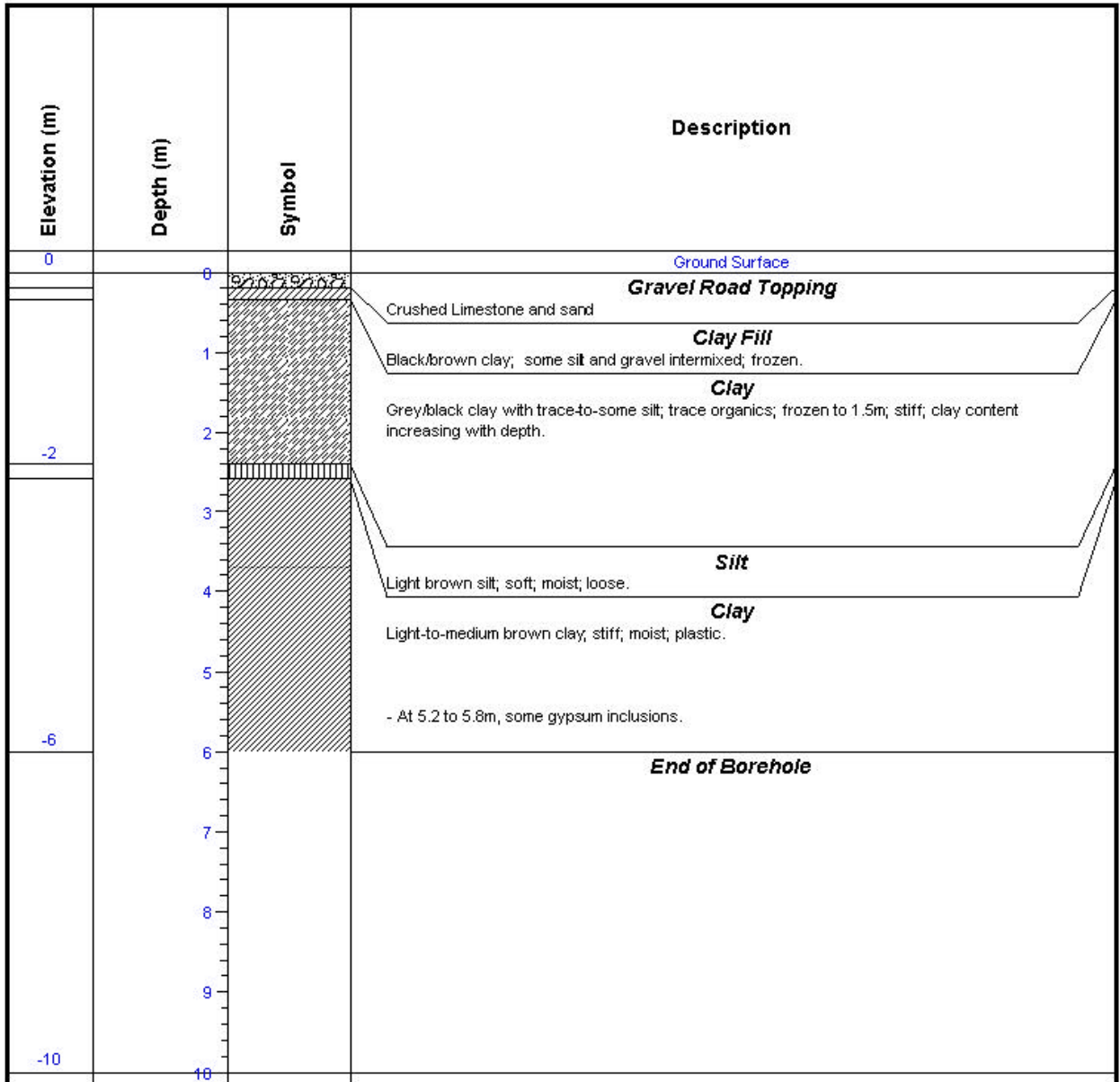
Drawn By: P.C.F.

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:

## BOREHOLE LOG: TH-9

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

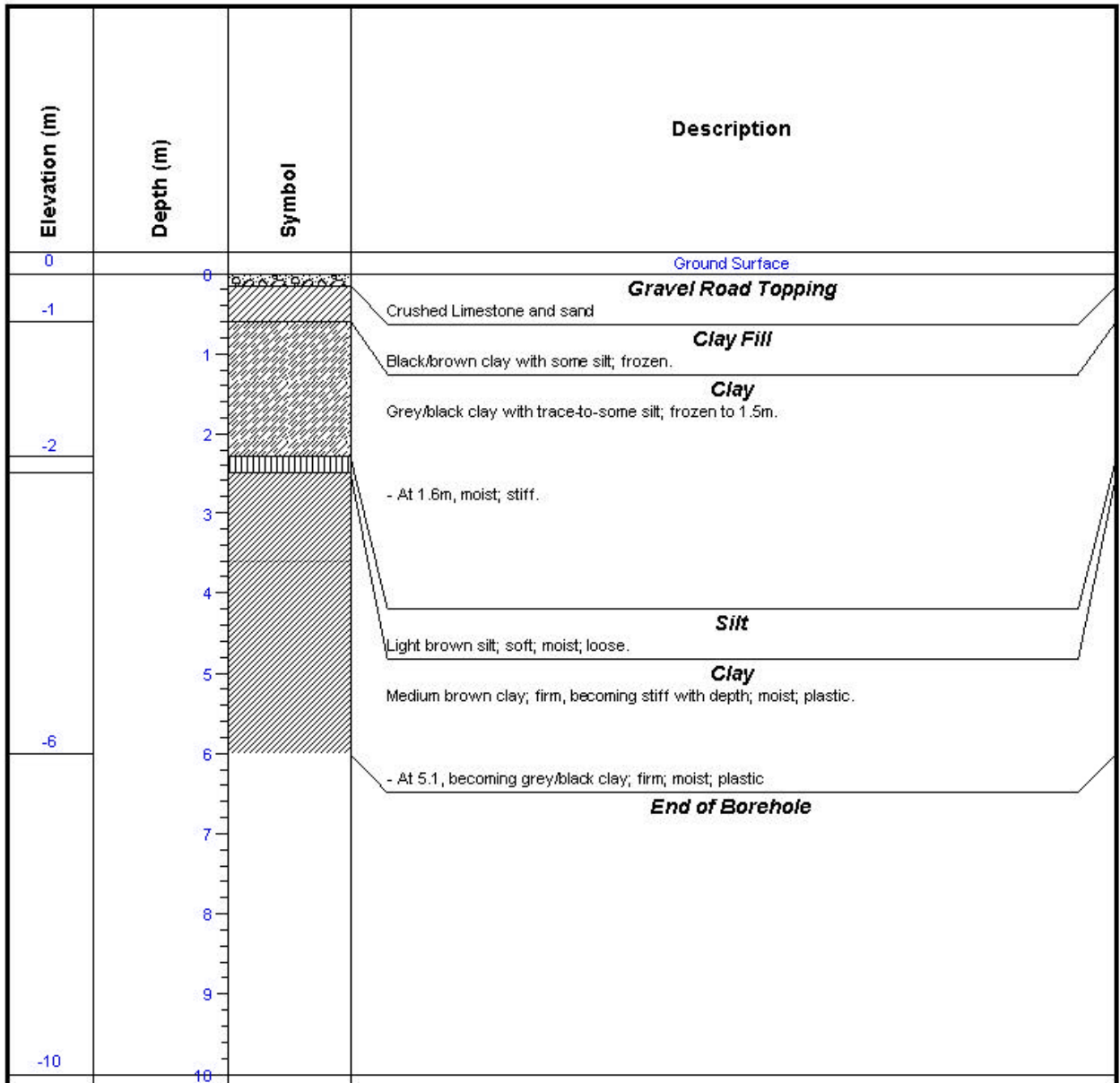
Drawn By: P.C.F.

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.

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


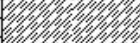


Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

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

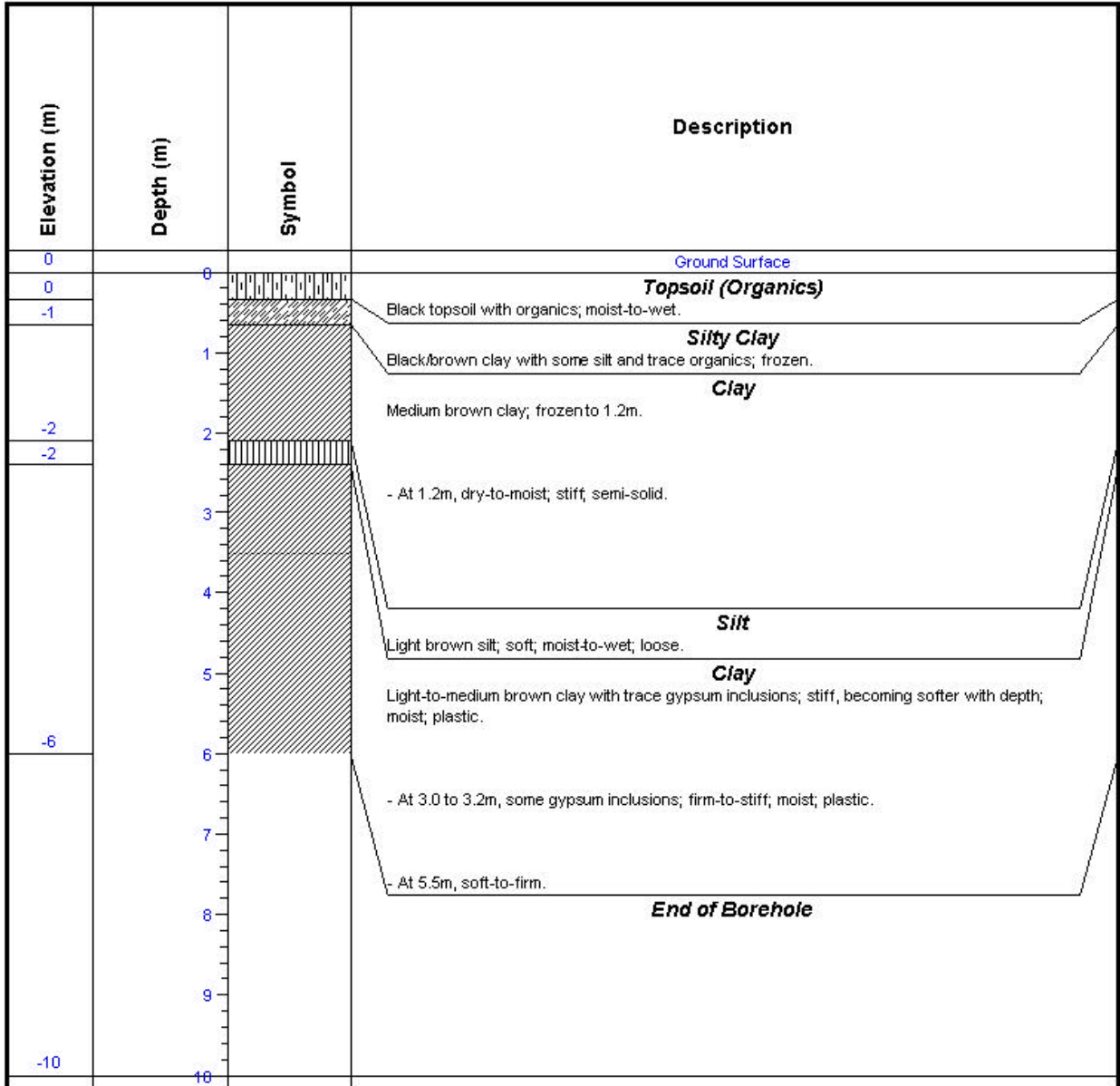
Drawn By: P.C.F.

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

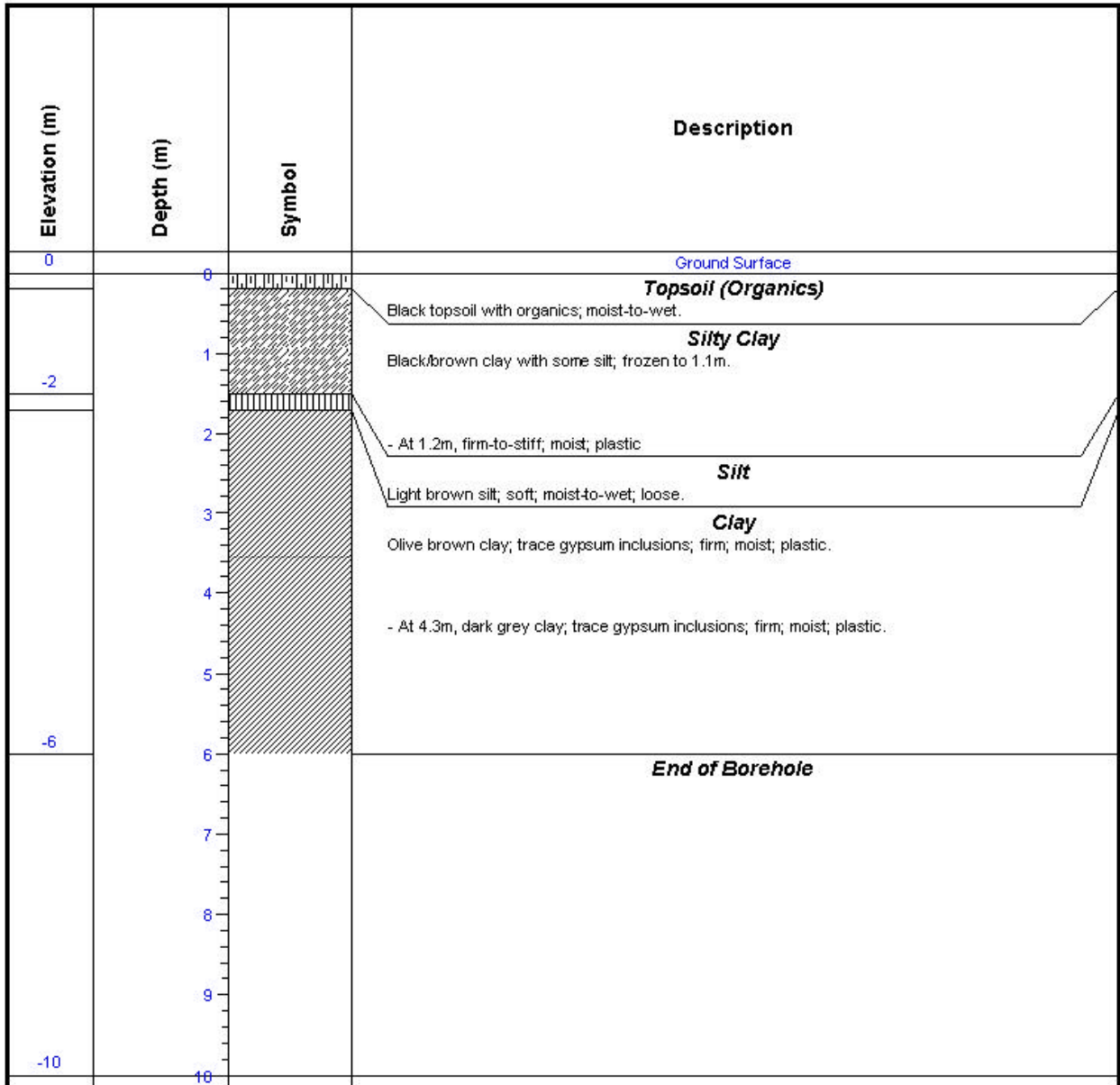
Drawn By: P.C.F.

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

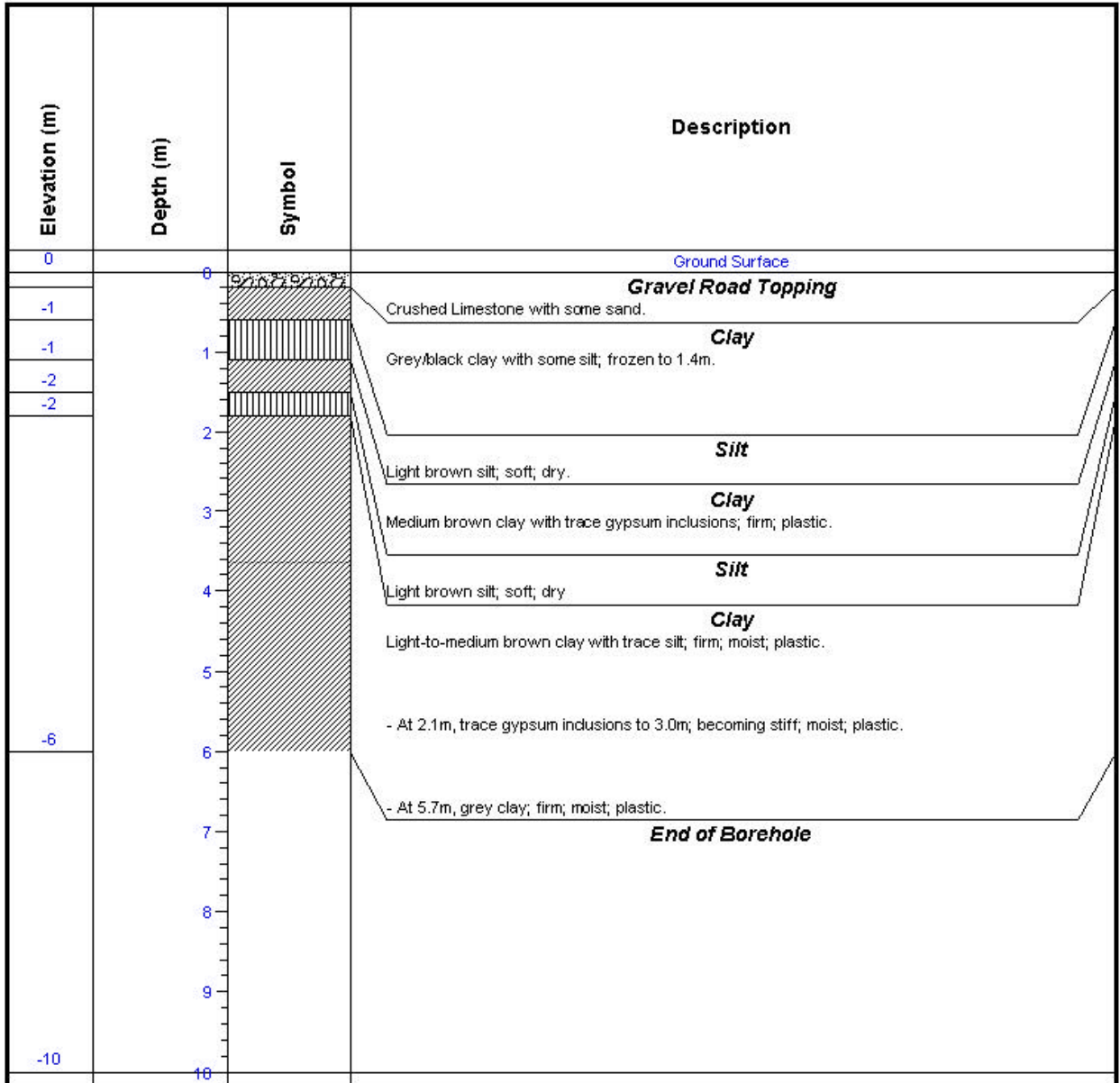
Drawn By: P.C.F.

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

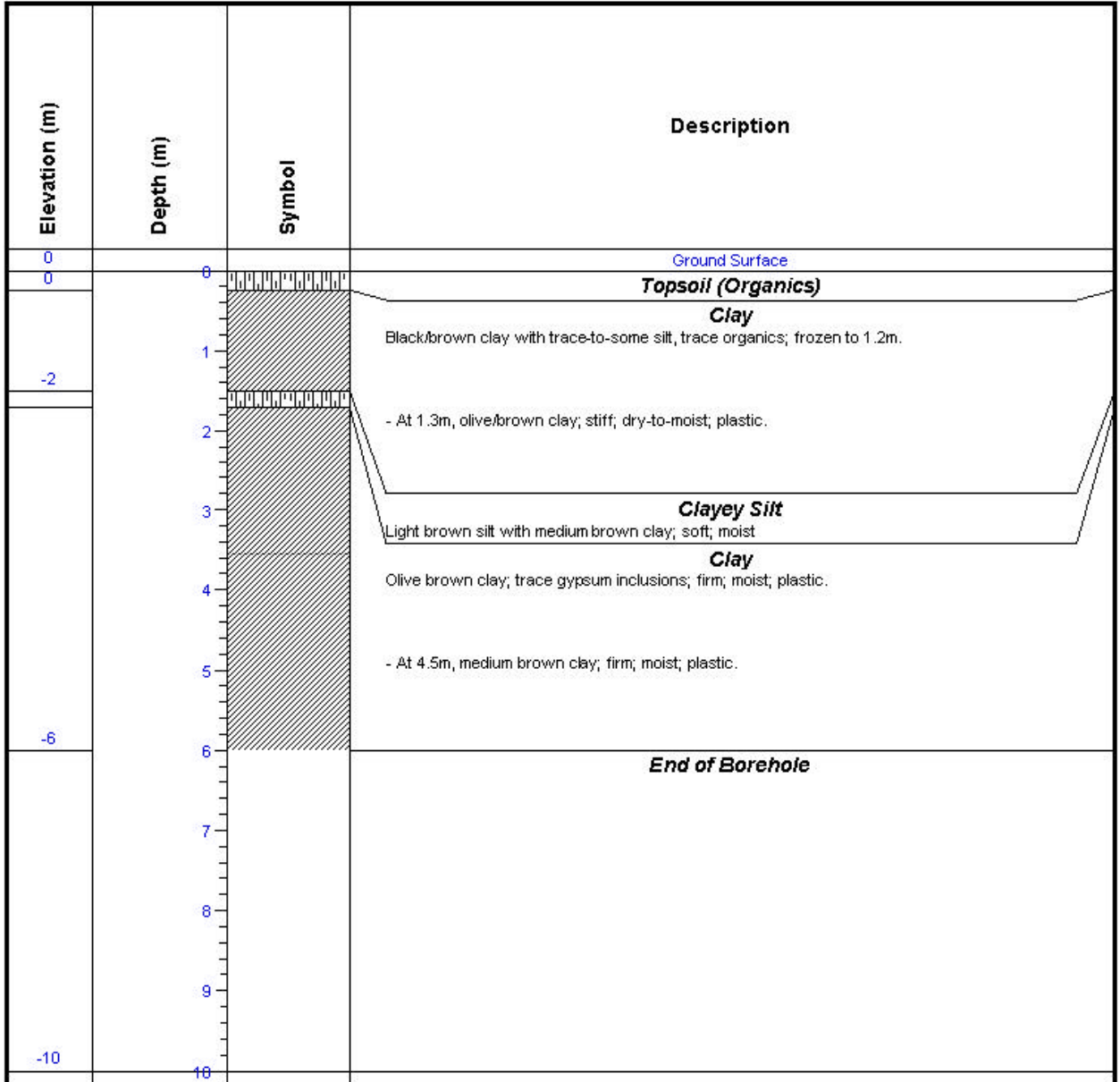
Drawn By: P.C.F.

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.

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



Engineering Inc.

## BOREHOLE LOG: TH-15

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

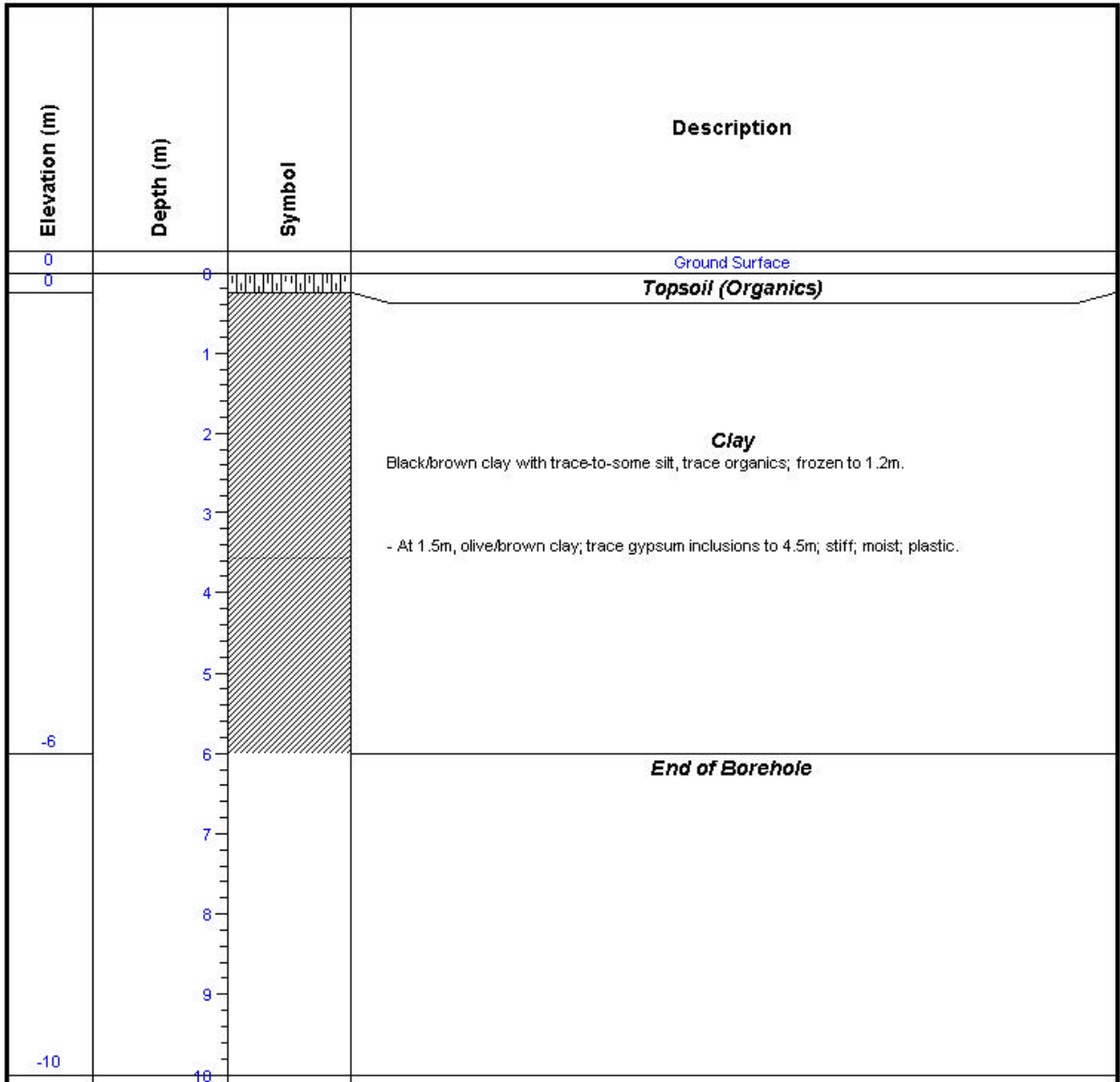
Drawn By: P.C.F.

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:



Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

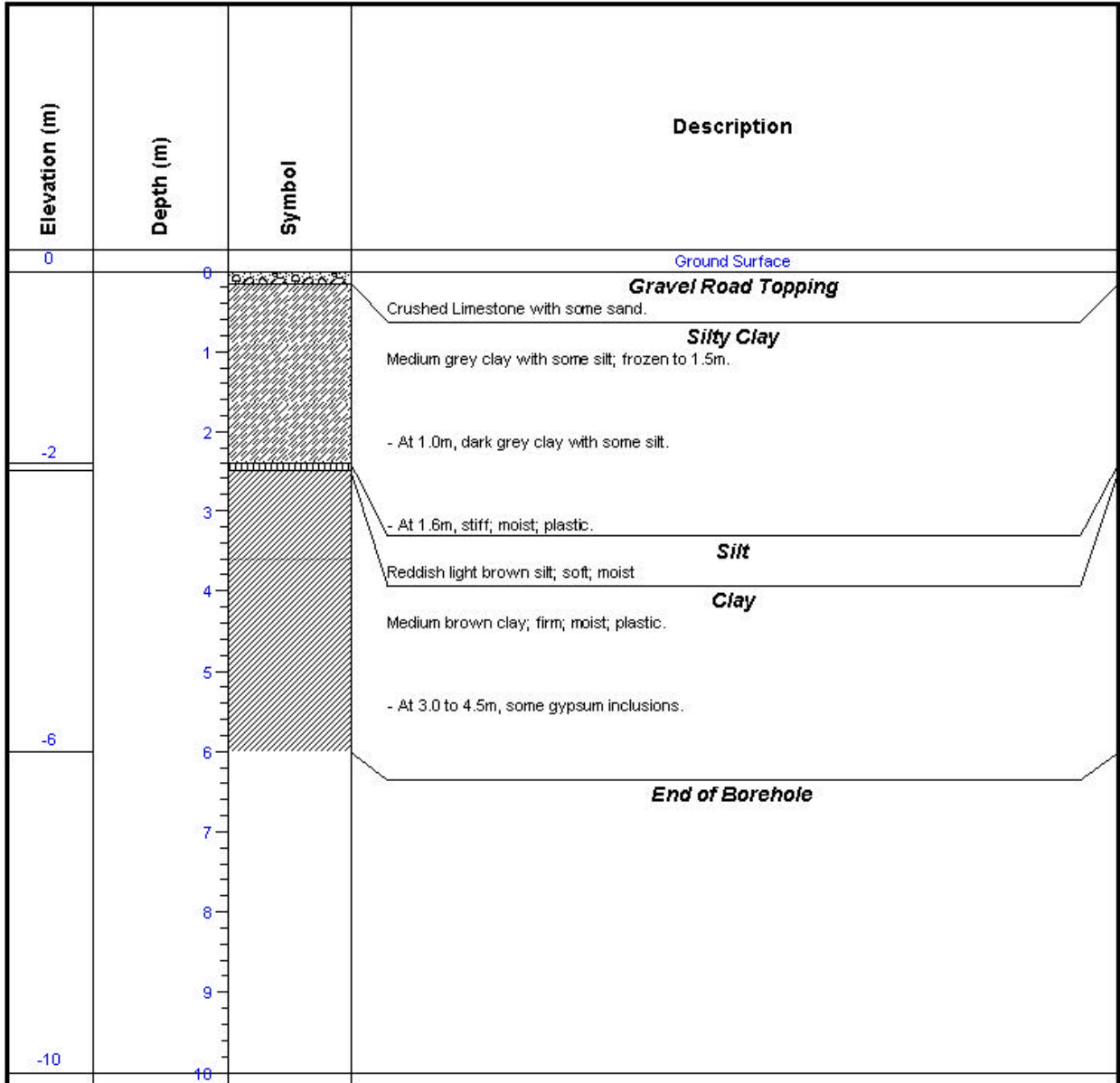
Drawn By: P.C.F.

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

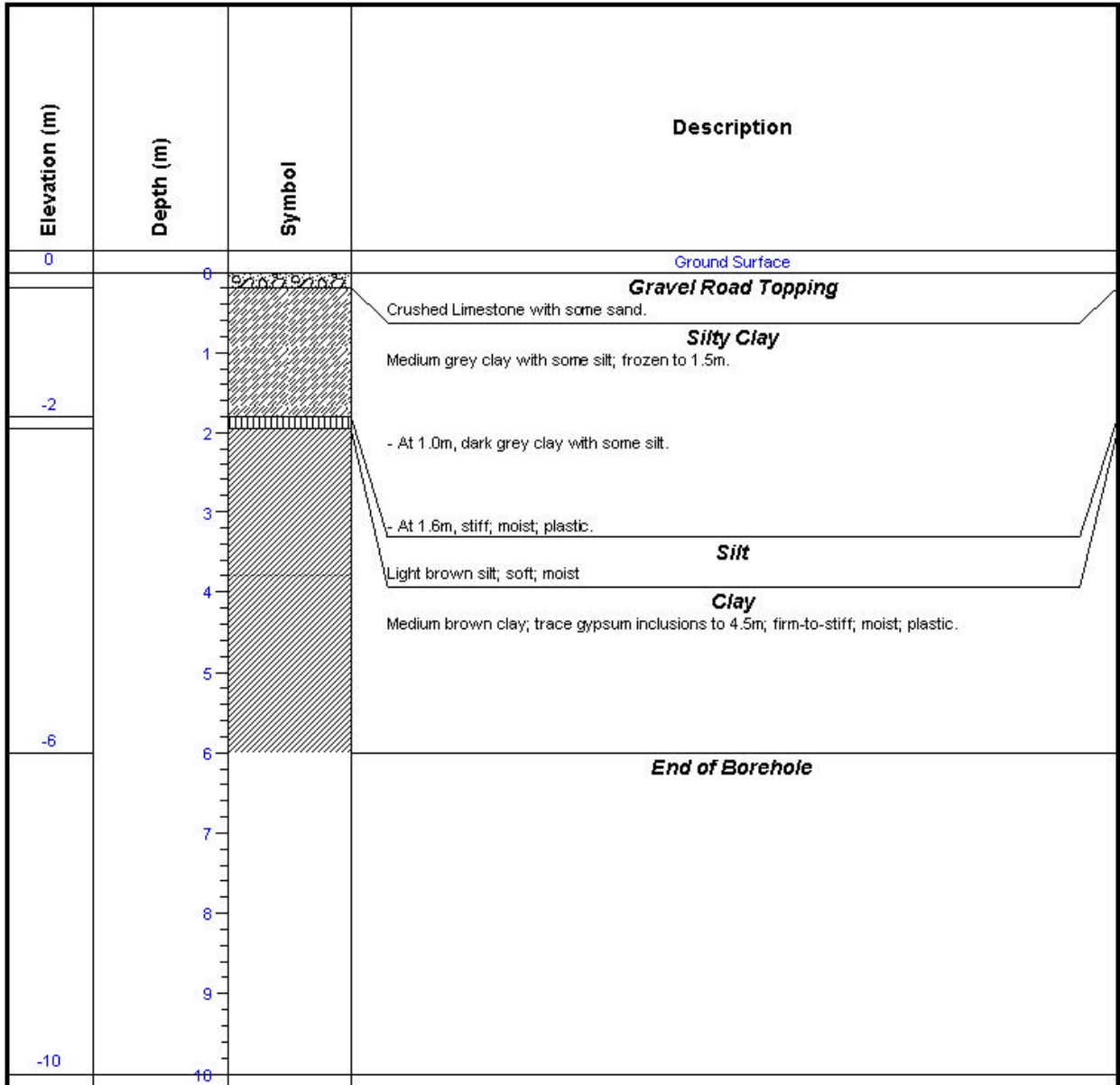
Drawn By: P.C.F.

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:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

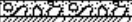


Drawn By: P.C.F.

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		<b>Gravel Road Topping</b> Crushed Limestone with some sand.
	1		<b>Silty Clay</b> Black/brown clay with some silt; frozen to 1.5m.
-2	2		- At 1.6m, firm; moist; plastic.
	3		<b>Clay</b> Medium brown clay; trace silt inclusions, decreasing with depth; stiff; moist; plastic.
	4		- At 4.0m, firm.
	5		- At 5.5m, stiff.
-6	6		<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

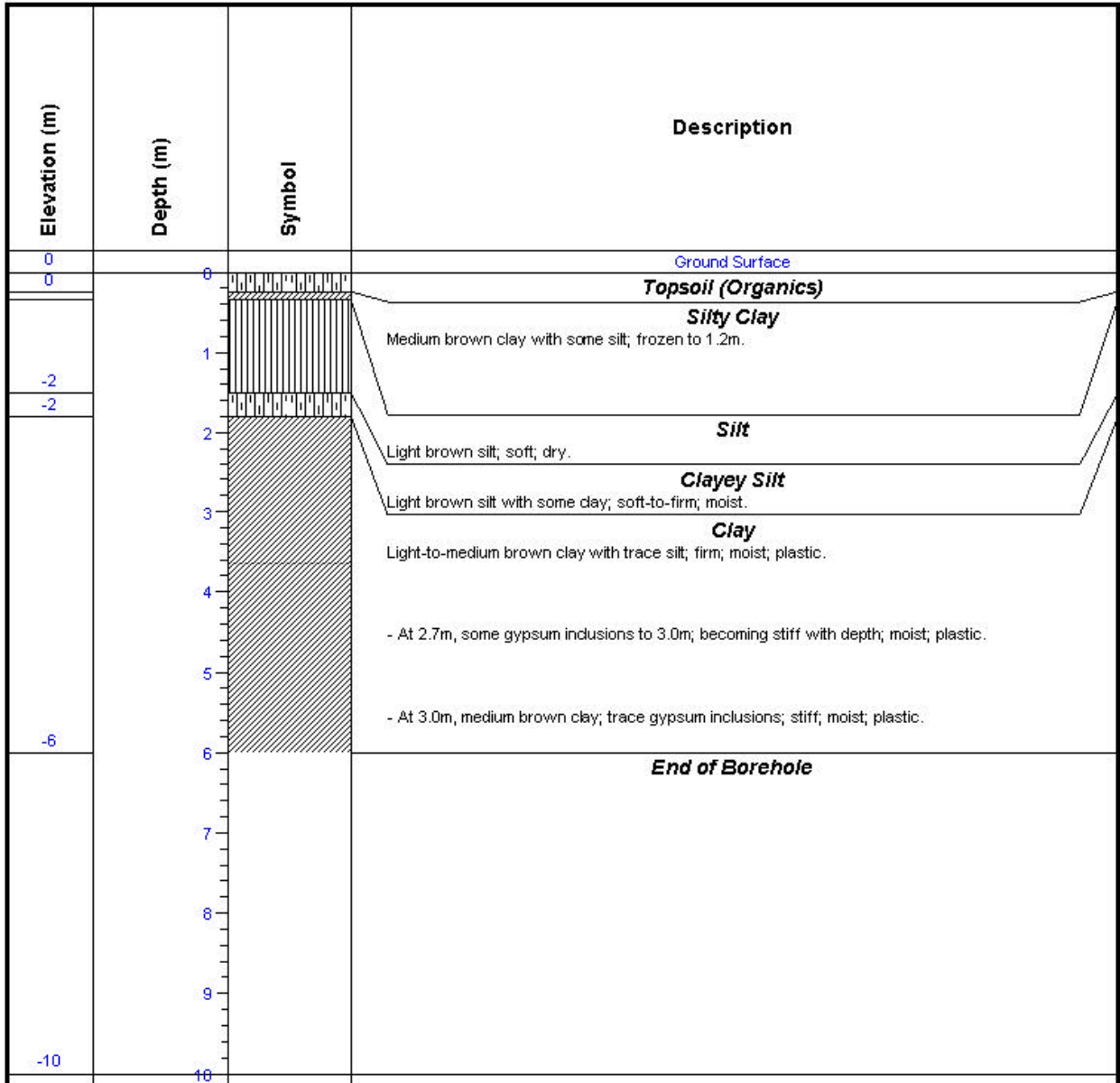
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN



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

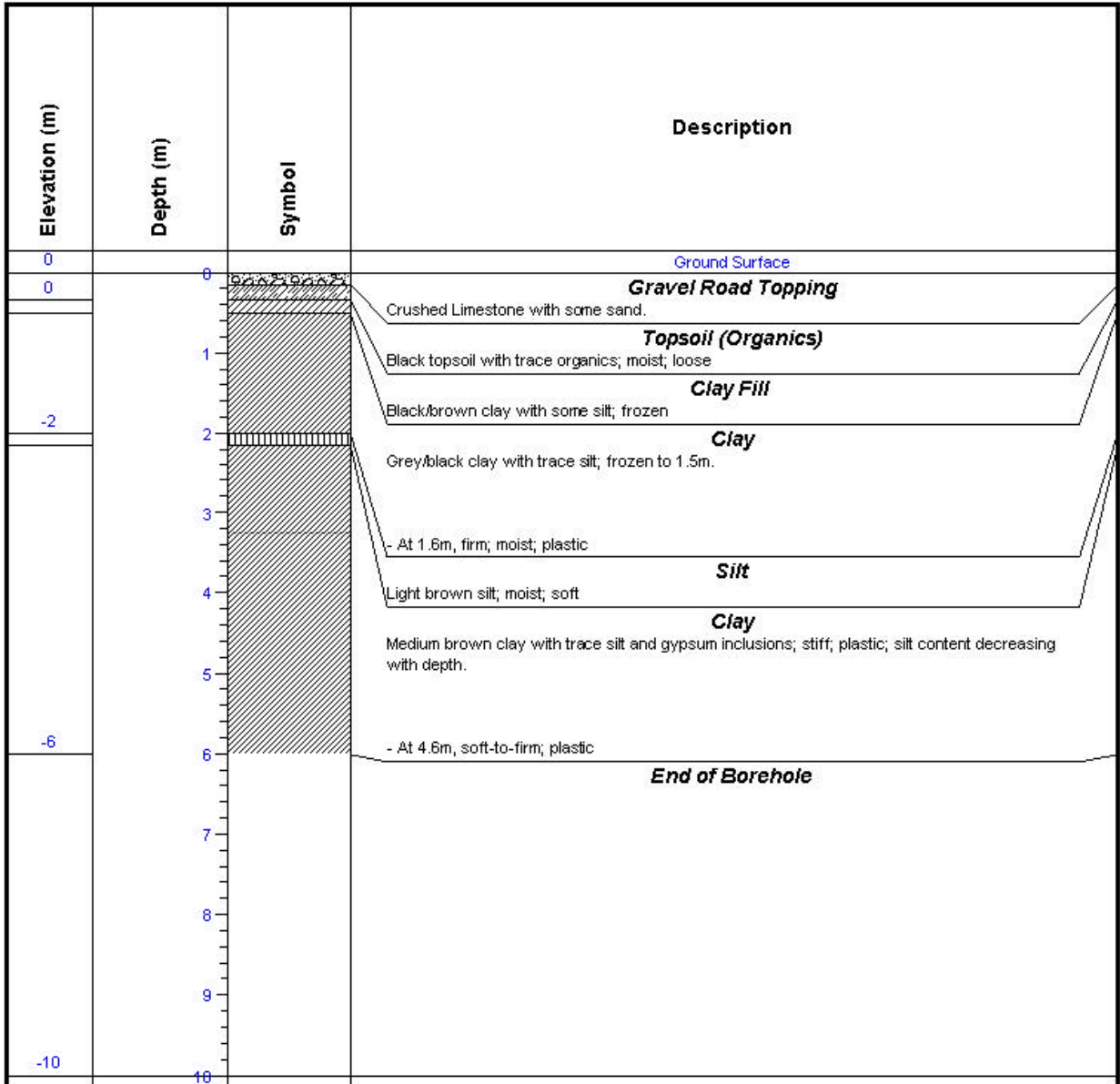
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 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:

## BOREHOLE LOG: TH-21

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 with some sand.
	1		<b>Silty Clay</b> Black/brown clay with some silt, frozen to 1.5m.
-2	2		- At 1.6m, firm; moist. <b>Silt</b> Light brown silt; soft; moist-to-wet; loose.
-2	3		<b>Clay</b> Medium brown clay; firm-to-stiff; moist; plastic.
	4		- At 4.0m, stiff
-6	6		<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			Ground Surface
0	0		<b>Sand and Gravel Fill</b> Crushed Limestone with sand and some organics.
	1		<b>Silty Clay</b> Black/brown clay with some silt and trace organics; frozen to 1.5m.
-2	2		<b>Silt</b> Light brown silt; soft, moist-to-wet, loose.
	3		<b>Clay</b> Light-to-medium brown clay with trace gypsum inclusions; soft-to-firm; moist; plastic.
	4		- At 4.3m, stiff
	5		- At 5.0m, becoming grey clay; firm-to-stiff.
-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 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

SUBSURFACE PROFILE			SAMPLE INFORMATION							
Elevation (m)	Depth (m)	Symbol	Description	Sample Type	Lab Analysis	Combustible Vapour Concentration				Well Data
						100	300	500	700	
0.00	0		Ground Surface							
-0.20	0		<b>Sand and Gravel Fill</b> Crushed Limestone with sand and some organics.							
	1		<b>Silty Clay</b> Black/brown clay with some silt; frozen to 1.4m.							
-1.50	2		<b>Clay</b> Grey/Brown clay; trace gypsum inclusions; firm; moist; plastic.							
-2.10	2		<b>Silt</b> Light brown silt; soft; moist; loose.							
-2.40	3		<b>Clay</b> Olive brown clay; firm-to-stiff; moist; plastic.  - At 3.0 to 4.5m, trace gypsum inclusions.  - At 7.4m, becoming grey clay; firm; moist; plastic							
	4									
	5									
	6									
	7									

<p><b>Drilling Contractor:</b> Maple Leaf Enterprises Ltd.</p> <p><b>Drill Type:</b> 127 mm Solid Stem</p> <p><b>Datum (m):</b></p> <p><b>Well Casing Elevation (m):</b></p>	<p><b>Water Table Elevation (m):</b></p> <p><b>Date Measured:</b> N/A</p> <p><b>Well Materials:</b> N/A</p>
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Engineering Inc.

**BOREHOLE LOG: TH-23**

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

SUBSURFACE PROFILE			SAMPLE INFORMATION									
Elevation (m)	Depth (m)	Symbol	Description	Sample Type	Lab Analysis	Combustible Vapour Concentration					Well Data	
						100	300	500	700	900		
	8											
	9											
10.00	10		<p><i>End of Borehole</i></p> <p>End of borehole at 10 m.</p>									
	11											
	12											
	13											
	14											

**Drilling Contractor:** [Maple Leaf Enterprises Ltd.](#)      **Water Table Elevation (m):**  
**Drill Type:** 127 mm Solid Stem      **Date Measured:** N/A  
**Datum (m):**      **Well Materials:** N/A  
**Well Casing Elevation (m):**

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

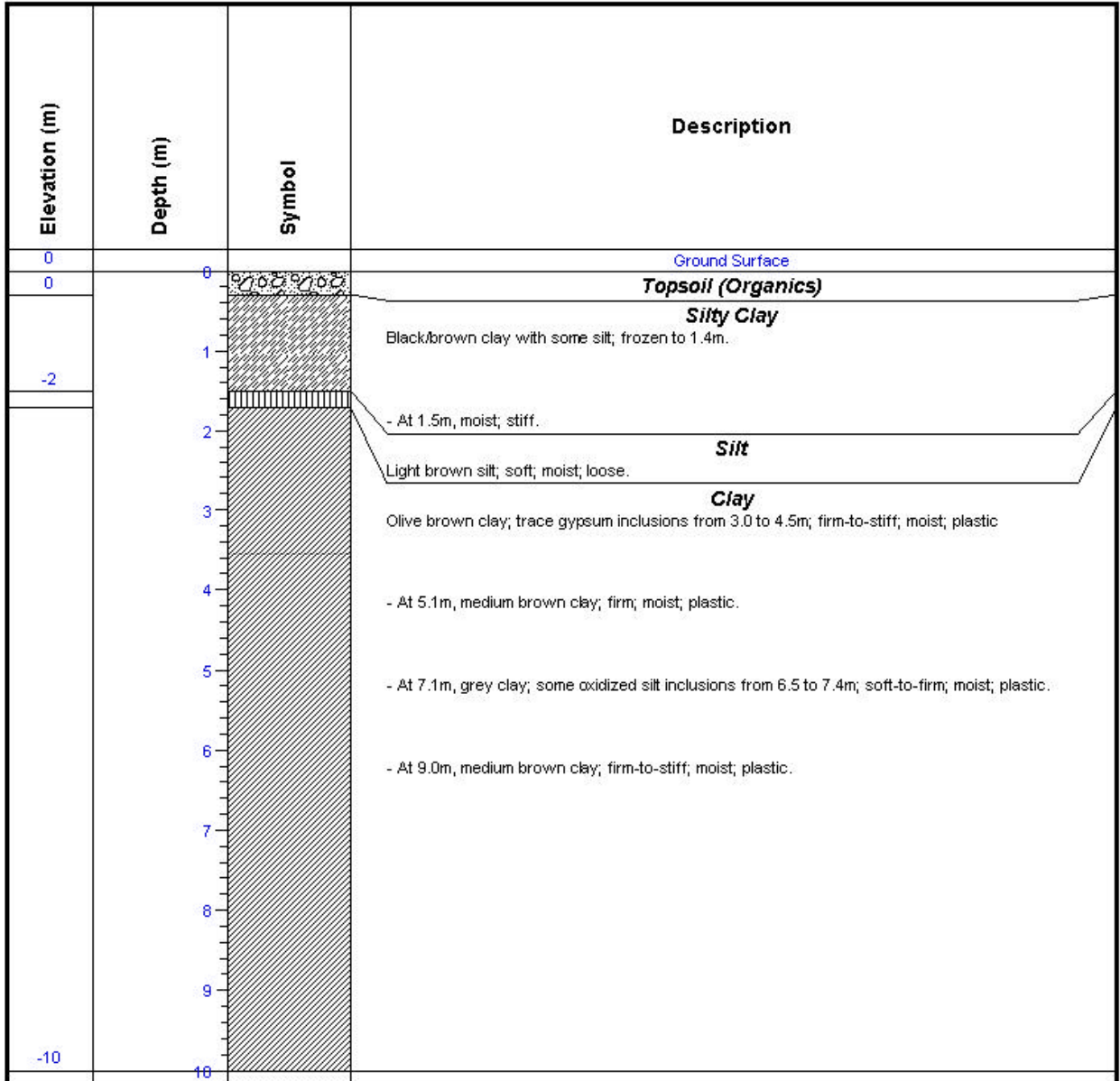
Drawn By: P.C.F.

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:

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 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>Topsoil (Organics)</b>
	0.75		<b>Silty Clay</b> Medium brown clay with some silt; partially frozen to 0.75m.
-2	1		- At 1.0m, stiff, dry, loose. <b>Silt</b>
	2		Light brown silt; soft; moist-to-wet; loose. <b>Clay</b>
	3		Medium brown clay; stiff; dry-to-moist; semi-solid
	4		- At 3.0 to 4.4m, medium brown clay; trace oxidized silt inclusions; firm; moist; plastic.
	5		- At 4.4m, dark grey clay; firm; moist; plastic.
-6	6		<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 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
	0		<b>Topsoil (Organics)</b>
	0		<b>Silty Clay</b> Grey/black clay with some silt; partially frozen to 1.1m.
-2	1		
	2		- At 1.2m, firm-to-stiff; moist; plastic. <b>Silt</b> Light brown silt; soft; moist-to-wet; loose.
	2		<b>Clay</b> Olive brown clay; stiff; dry-to-moist, becoming moist with depth; plastic; trace silt inclusions to 2.5m.
	3		
	4		- At 3.0 to 4.4m, medium brown clay; trace gypsum inclusions; firm; moist; plastic.
	5		- At 4.4m, light-to-medium brown clay; firm-to-stiff; 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 28, 2000

Checked By: K.L.M.

Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
	0		<b>Topsoil (Organics)</b>
	0		<b>Silty Clay</b> Black/brown clay with trace-to-some silt; partially frozen to 1.0m.
-2	1		- At 1.1m, firm, moist-to-wet; plastic.
	2		<b>Clay</b> Olive brown clay; stiff; moist; plastic.
	3		- At 3.5 to 5.5m, medium brown clay; trace oxidized silt inclusions from 4.8 to 5.5m; firm; moist; plastic.
	4		- At 5.5m, dark grey clay; firm-to-stiff; moist; plastic.
-6	6		<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

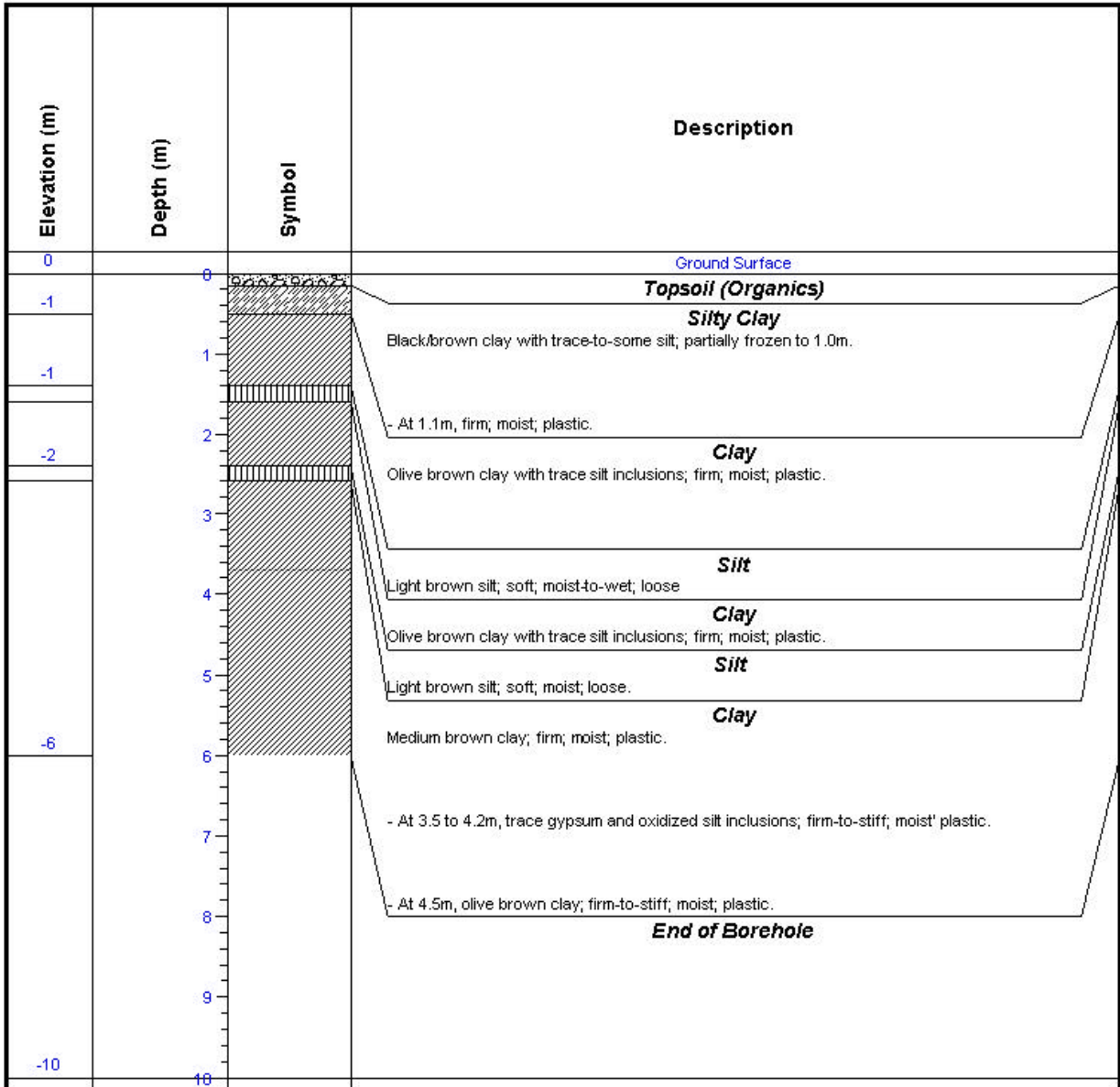
Drawn By: P.C.F.

Project No.: 001294-01-00

Date Drilled: MARCH 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:

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

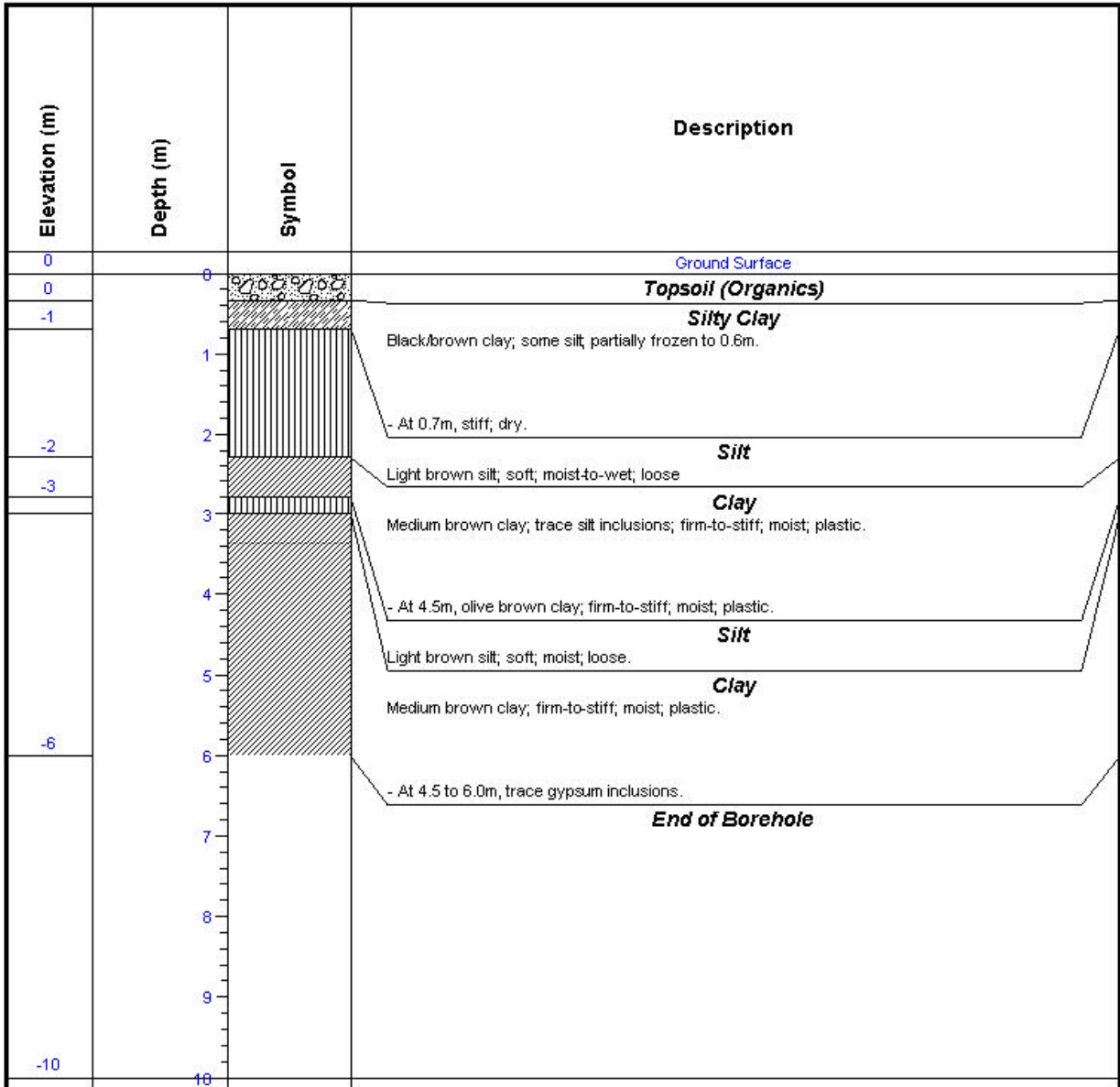
Drawn By: P.C.F.

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

## BOREHOLE LOG: TH-30

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 with some sand.
	1		<b>Silty Clay</b> Black/brown clay with some silt, frozen to 1.5m.
-2	2		- At 1.0m, brown clay; firm-to-stiff; moist at 1.6m; plastic. <b>Silt</b> Light brown silt; soft; moist
	3		<b>Clay</b> Light-to-medium brown clay; trace silt inclusions; soft-to-firm; moist; plastic.  - At 3.0 to 4.5m, trace gypsum inclusions.  - At 4.5m, becoming grey clay; firm-to-stiff; moist; plastic.
-6	6		<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

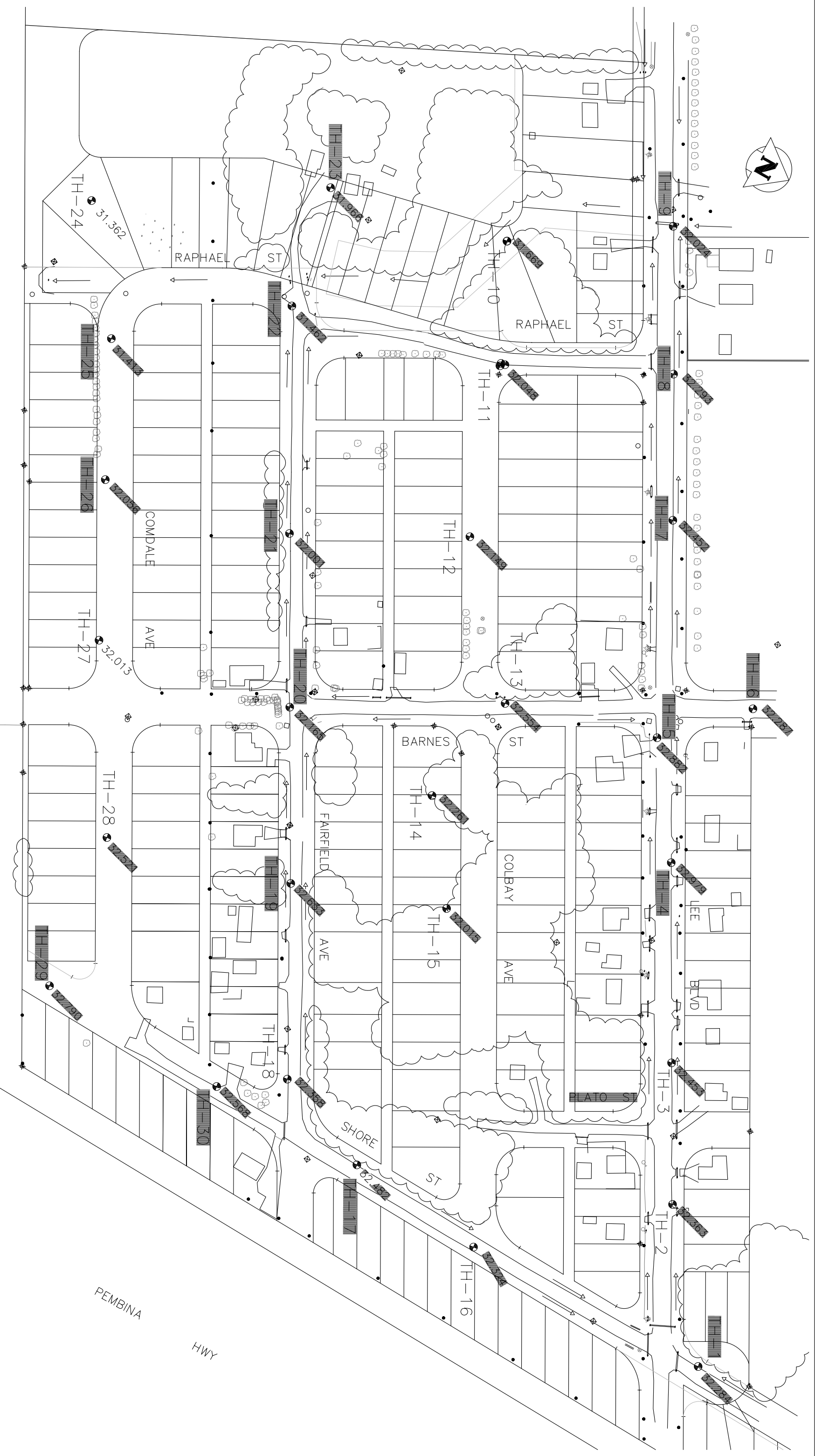
Well Casing Elevation: N/A

Water Table Elevation: N/A

Date Measured: N/A

Well Materials: N/A





NO.	DESCRIPTION	DATE	BY

**WARDROP** | Engineering Inc.

CLIENT: THE CITY OF WINNIPEG  
 PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT

DWG DESCRIPTION: BOREHOLE LOG LOCATIONS

DESIGNED BY: P.C.F.      DRAWN BY: N.L.  
 CHECKED BY:              DATE: 03.11.28      DWG NO: 031294-09-00-A1