

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

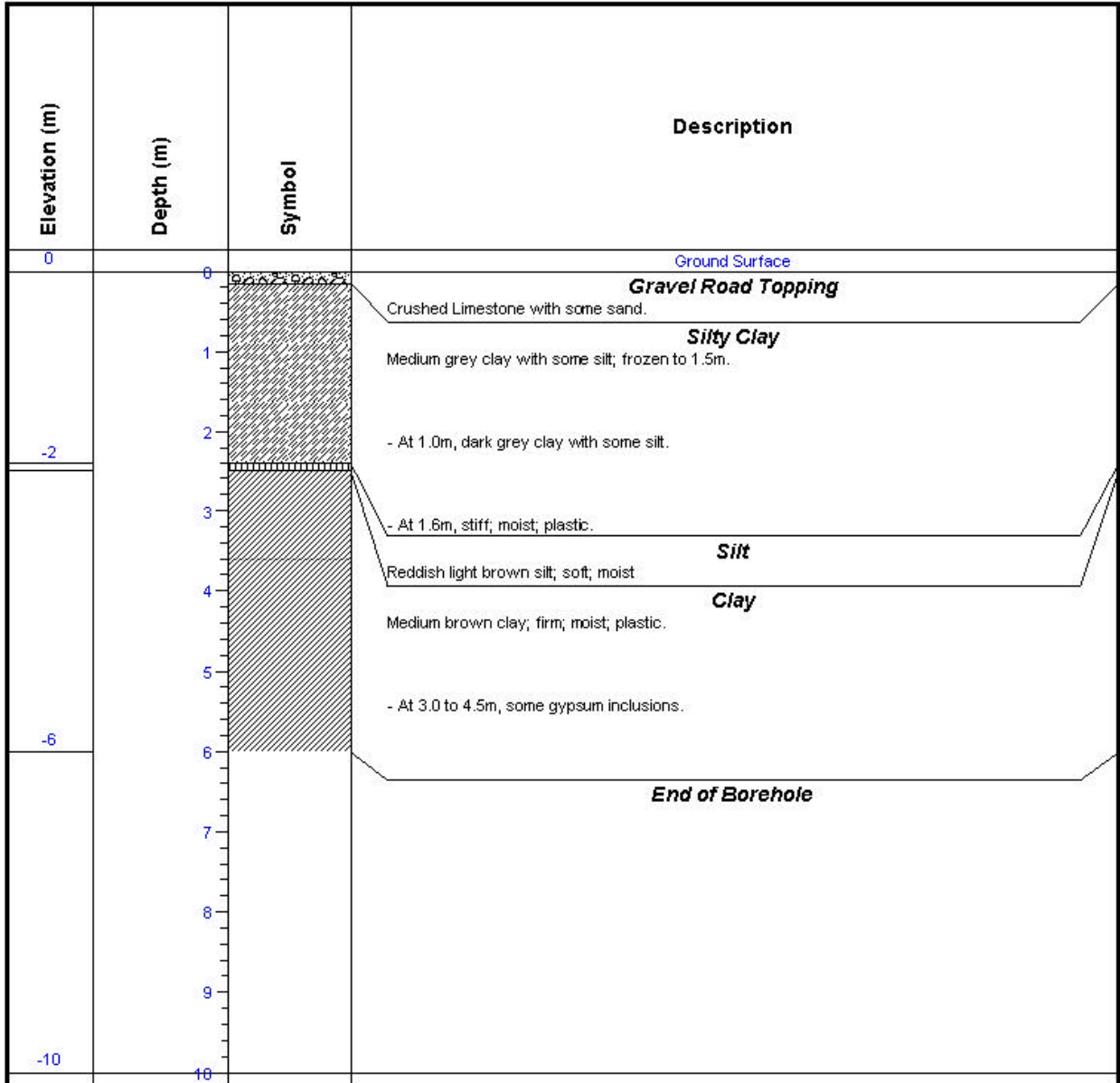
Drawn By: P.C.F.

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.

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Project: GEOTECHNICAL INVESTIGATION

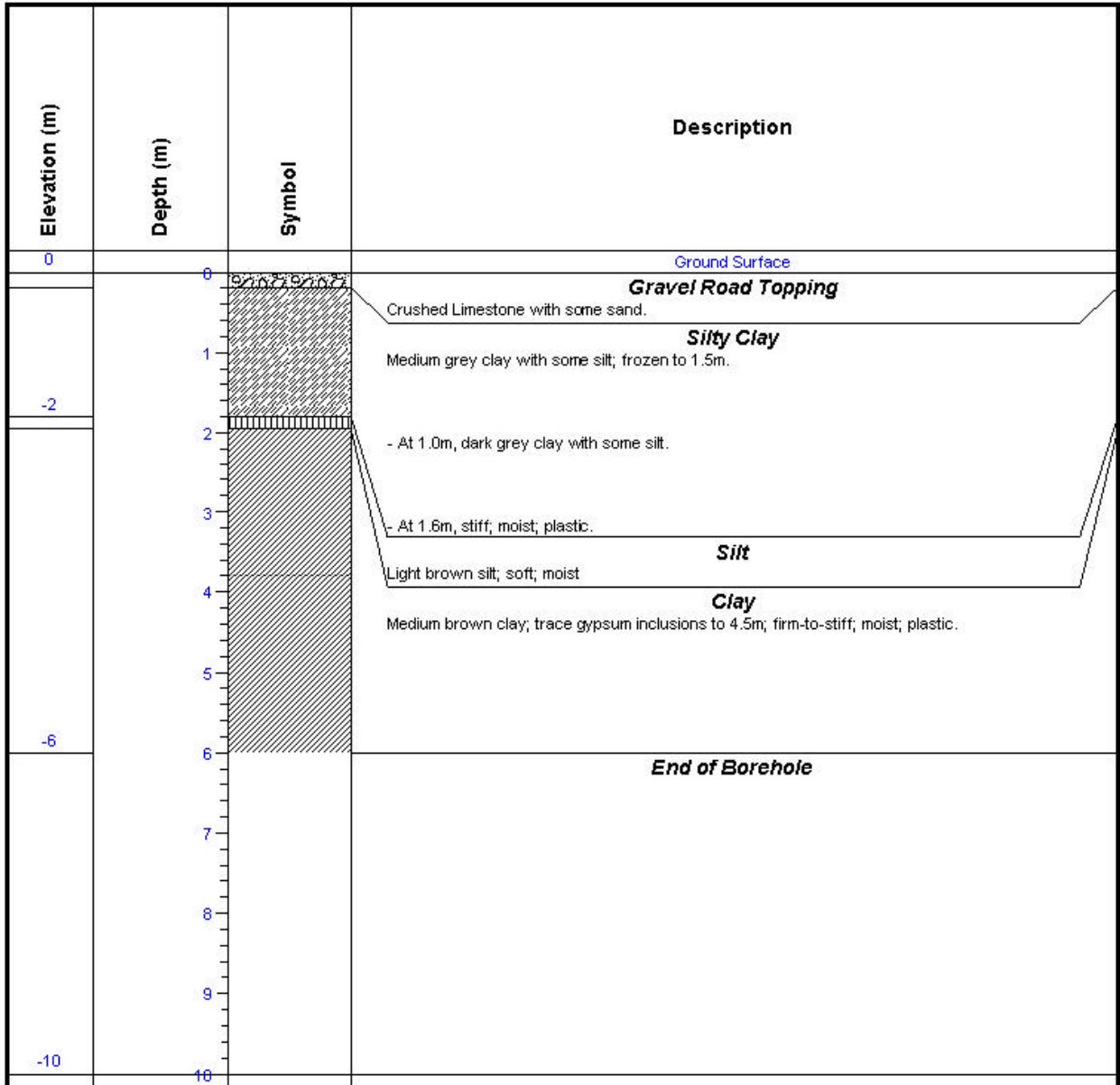
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Project No.: 001294-01-00

Date Drilled: MARCH 27, 2000

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Borehole Location: SEE ATTACHED SITE PLAN



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Drill Type:

Datum:

Well Casing Elevation:

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Date Measured:

Well Materials:

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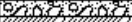


Drawn By: P.C.F.

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

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Project: GEOTECHNICAL INVESTIGATION

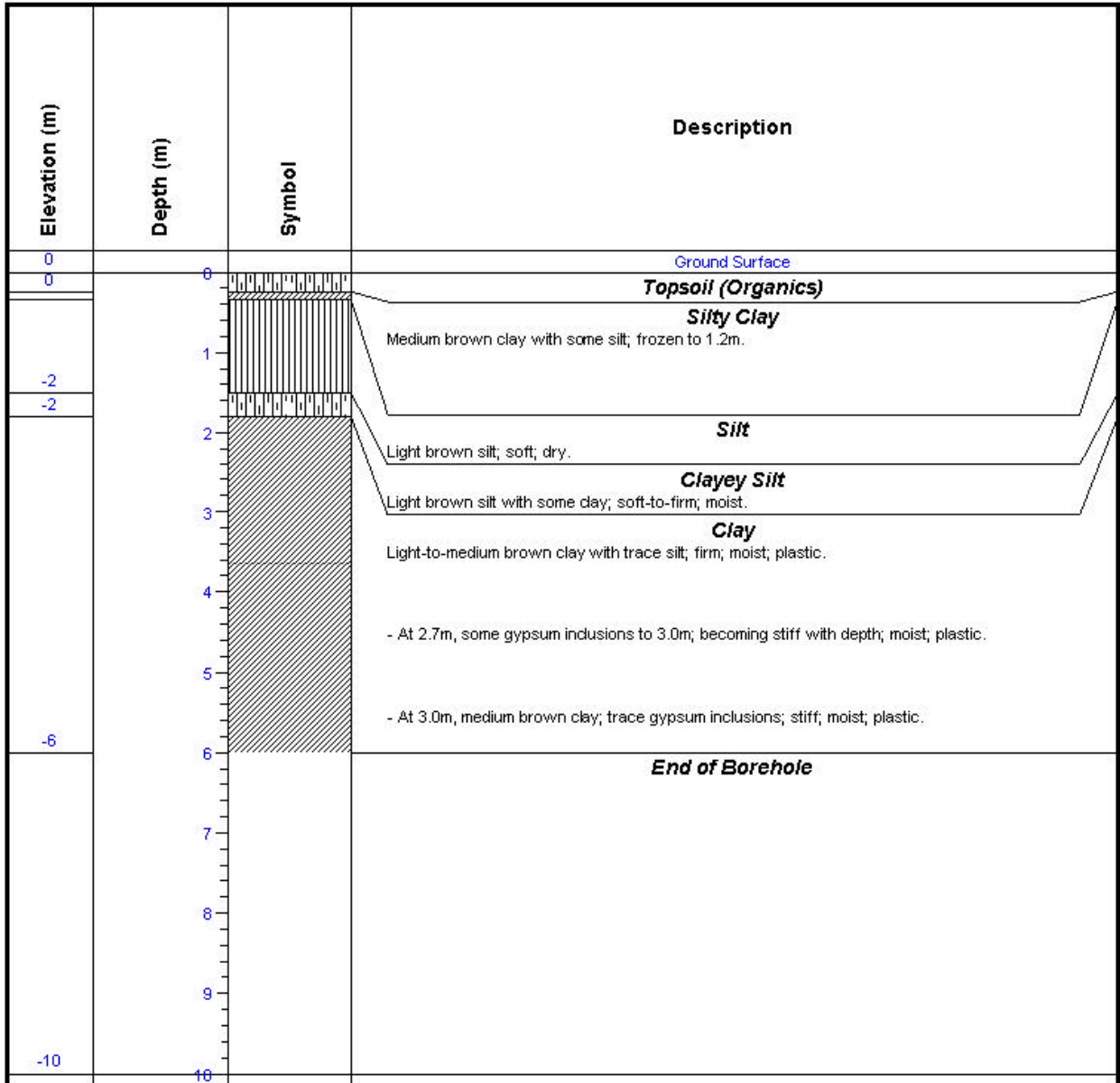
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Borehole Location: SEE ATTACHED SITE PLAN



Drilling Contractor: Maple Leaf Enterprises Ltd.

Water Table Elevation:

Drill Type:

Date Measured:

Datum:

Well Materials:

Well Casing Elevation:

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Borehole Location: SEE ATTACHED SITE PLAN

Elevation (m)	Depth (m)	Symbol	Description
0	0		Ground Surface
0	0		Gravel Road Topping Crushed Limestone with some sand.
	0.5		Topsoil (Organics) Black topsoil with trace organics; moist; loose
	1		Clay Fill Black/brown clay with some silt; frozen
-2	2		Clay Grey/black clay with trace silt; frozen to 1.5m.
	3		- At 1.6m, firm; moist; plastic
	4		Silt Light brown silt; moist; soft
	5		Clay Medium brown clay with trace silt and gypsum inclusions; stiff; plastic; silt content decreasing with depth.
-6	6		- At 4.6m, soft-to-firm; plastic
	6		End of Borehole
	7		
	8		
	9		
-10	10		

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		Gravel Road Topping Crushed Limestone with some sand.
	1		Silty Clay Black/brown clay with some silt, frozen to 1.5m.
-2	2		- At 1.6m, firm; moist. Silt Light brown silt; soft; moist-to-wet; loose.
-2	3		Clay Medium brown clay; firm-to-stiff; moist; plastic.
	4		- At 4.0m, stiff
-6	6		End of Borehole
	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		Sand and Gravel Fill Crushed Limestone with sand and some organics.
	1		Silty Clay Black/brown clay with some silt and trace organics; frozen to 1.5m.
-2	2		Silt Light brown silt; soft, moist-to-wet, loose.
	3		Clay 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		End of Borehole
	7		
	8		
	9		
-10	10		

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

SUBSURFACE PROFILE			SAMPLE INFORMATION								
Elevation (m)	Depth (m)	Symbol	Description	Sample Type	Lab Analysis	Combustible Vapour Concentration				Well Data	
						100	300	500	700		900
0.00	0		Ground Surface								
-0.20	0		Sand and Gravel Fill Crushed Limestone with sand and some organics.								
	1		Silty Clay Black/brown clay with some silt; frozen to 1.4m.								
-1.50	1.50		Clay Grey/Brown clay; trace gypsum inclusions; firm; moist; plastic.								
-2.10	2		Silt Light brown silt; soft; moist; loose.								
-2.40	2.40		Clay 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								
	3										
	4										
	5										
	6										
	7										

<p>Drilling Contractor: Maple Leaf Enterprises Ltd.</p> <p>Drill Type: 127 mm Solid Stem</p> <p>Datum (m):</p> <p>Well Casing Elevation (m):</p>	<p>Water Table Elevation (m):</p> <p>Date Measured: N/A</p> <p>Well Materials: 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
						ppm	ppm	ppm	ppm	ppm	
						100	300	500	700	900	
						20	40	60	80	100	
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.](#)

Drill Type: 127 mm Solid Stem

Datum (m):

Well Casing Elevation (m):

Water Table Elevation (m):

Date Measured: N/A

Well Materials: N/A

Logged By: P.C.F.

Client: CITY OF WINNIPEG

Project: GEOTECHNICAL INVESTIGATION

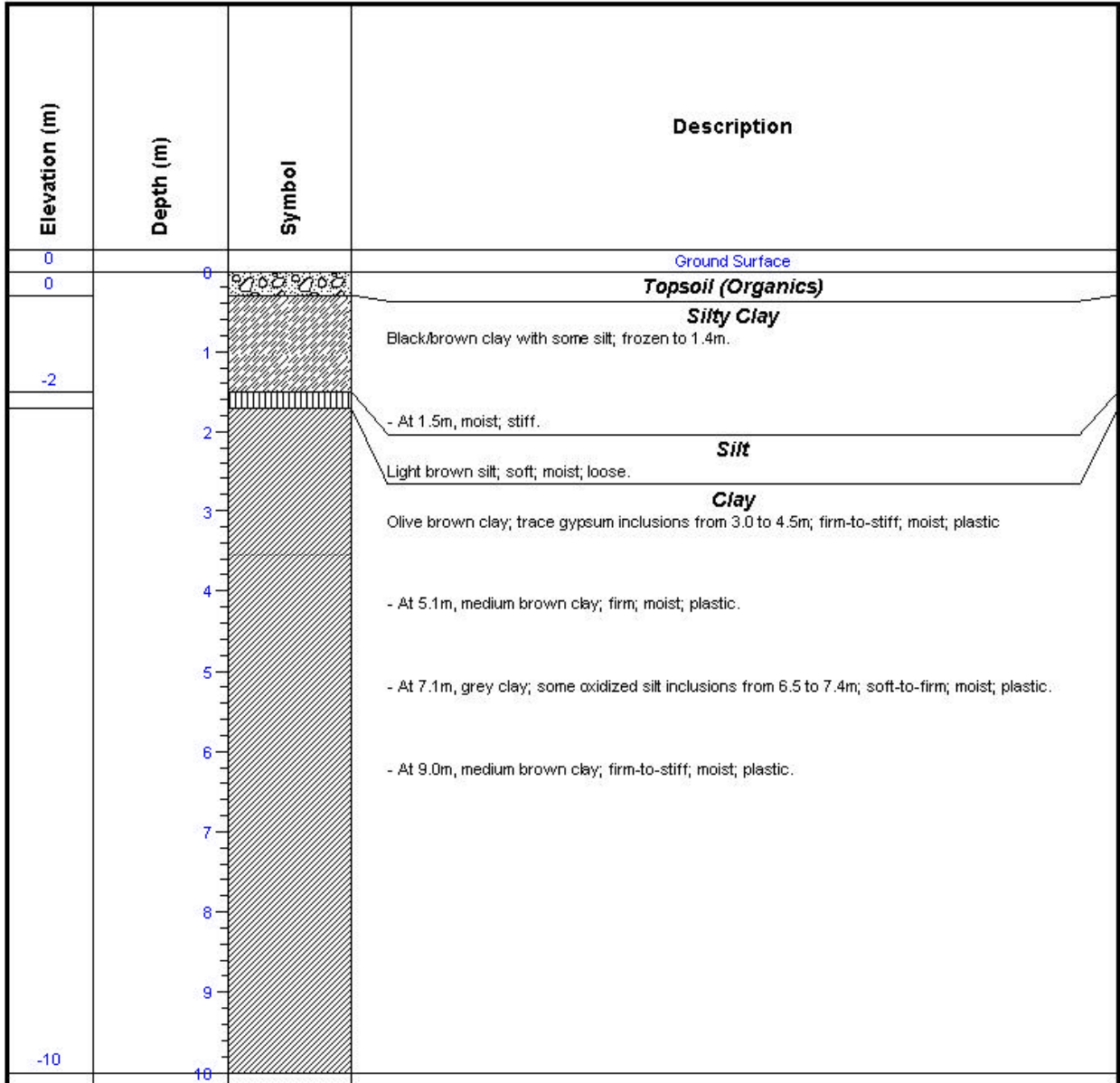
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Project No.: 001294-01-00

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		Topsoil (Organics)
	0.75		Silty Clay Medium brown clay with some silt; partially frozen to 0.75m.
-2	1		- At 1.0m, stiff, dry, loose. Silt
	1.5		Light brown silt; soft; moist-to-wet; loose. Clay
	2		Medium brown clay; stiff; dry-to-moist; semi-solid
	3		- At 3.0 to 4.4m, medium brown clay; trace oxidized silt inclusions; firm; moist; plastic.
	4		- At 4.4m, dark grey clay; firm; moist; plastic.
-6	6		End of Borehole
	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		Topsoil (Organics)
	0		Silty Clay Grey/black clay with some silt; partially frozen to 1.1m.
-2	1.2		- At 1.2m, firm-to-stiff; moist; plastic.
	2		Silt Light brown silt; soft; moist-to-wet; loose.
	2		Clay Olive brown clay; stiff; dry-to-moist, becoming moist with depth; plastic; trace silt inclusions to 2.5m.
	3.0 to 4.4		- At 3.0 to 4.4m, medium brown clay; trace gypsum inclusions; firm; moist; plastic.
	4.4		- At 4.4m, light-to-medium brown clay; firm-to-stiff; moist; plastic.
-6	6		End of Borehole
	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		Topsoil (Organics)
	0		Silty Clay Black/brown clay with trace-to-some silt; partially frozen to 1.0m.
-2	1		- At 1.1m, firm, moist-to-wet; plastic.
	2		Clay 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		End of Borehole
	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

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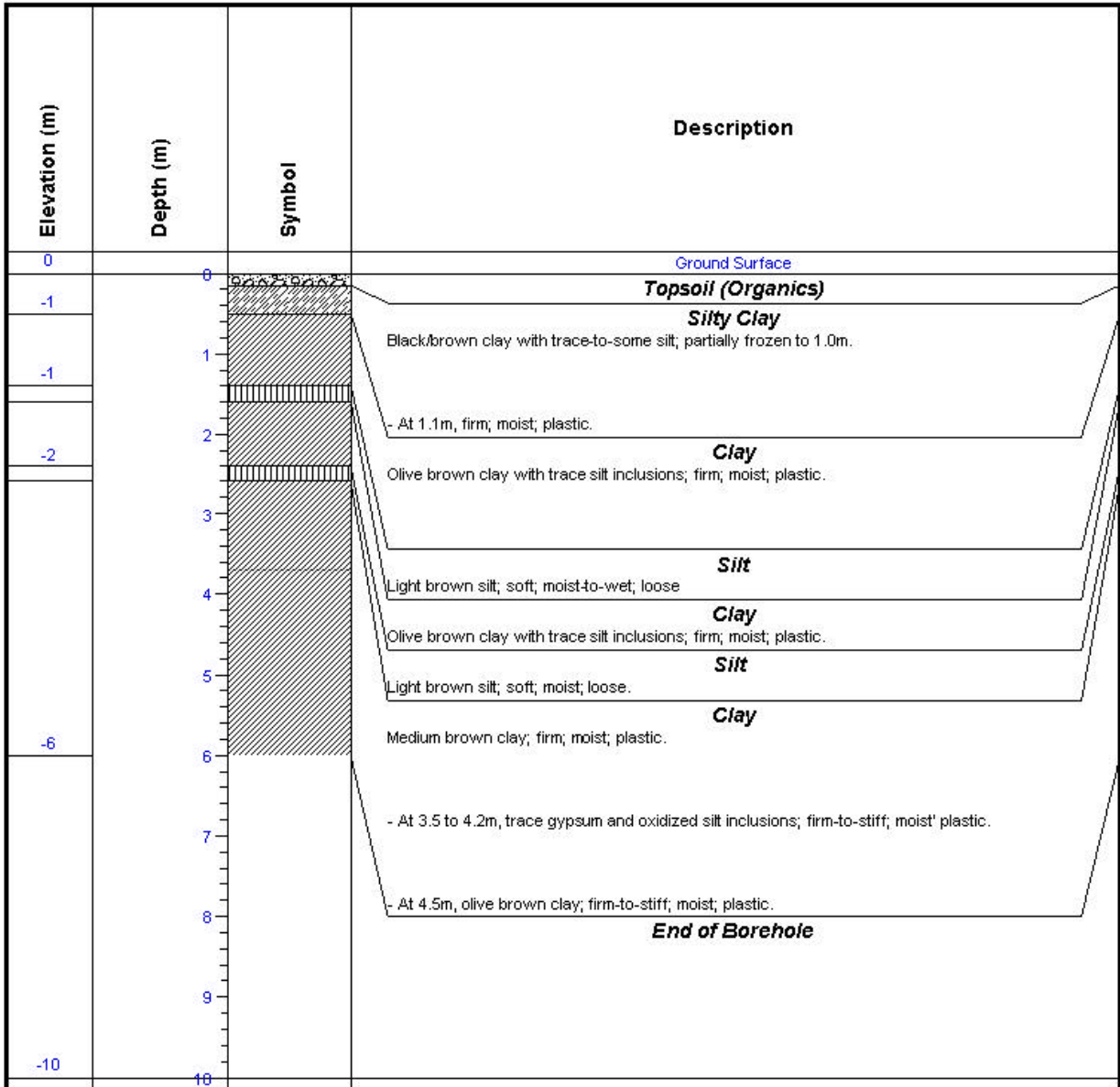
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Drill Type:

Datum:

Well Casing Elevation:

Water Table Elevation:

Date Measured:

Well Materials:

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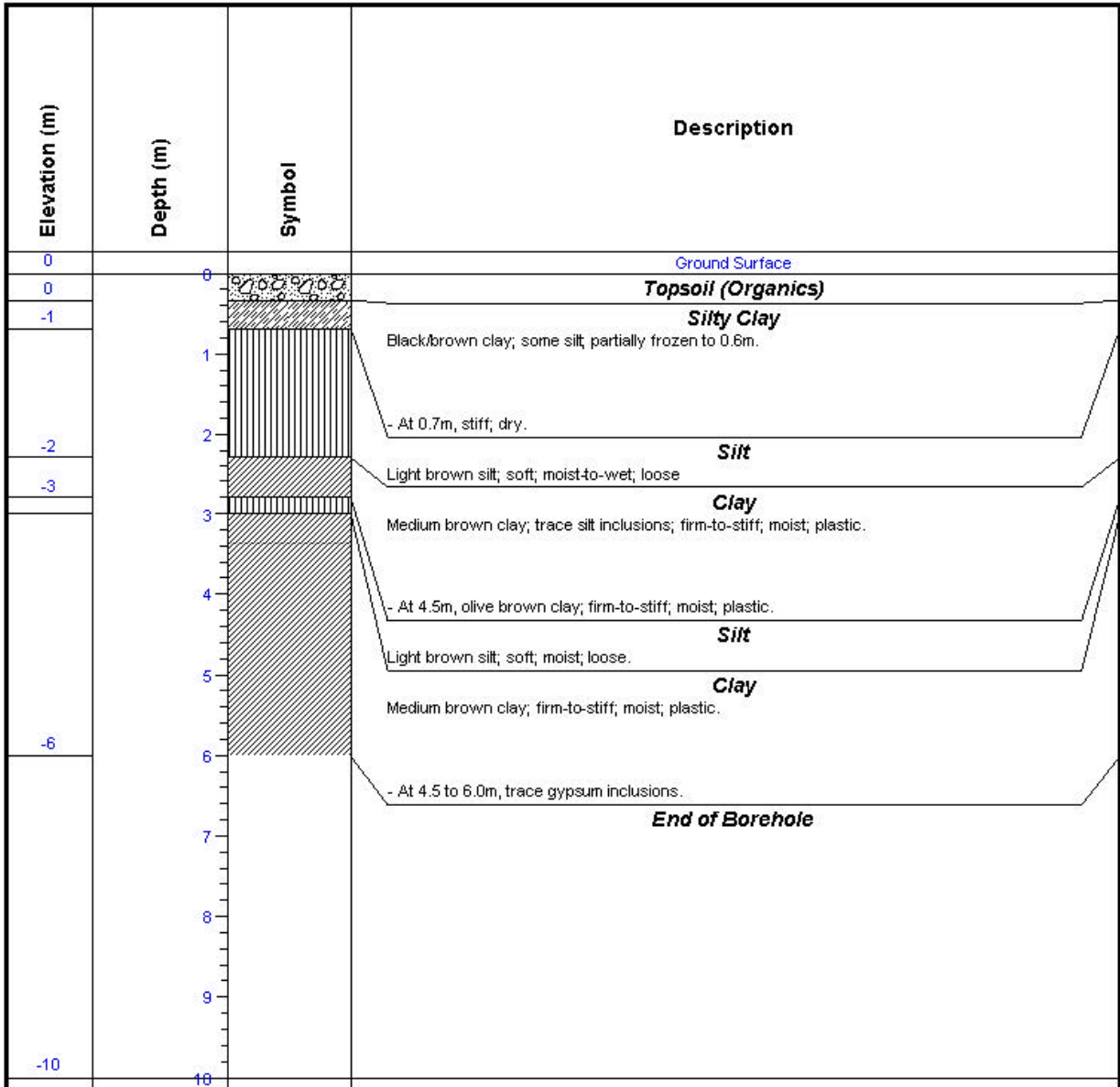
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Datum: N/A

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0	0		Ground Surface
0	0		Gravel Road Topping Crushed Limestone with some sand.
	1		Silty Clay 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. Silt Light brown silt; soft; moist
	3		Clay Light-to-medium brown clay; trace silt inclusions; soft-to-firm; moist; plastic.
	4		- At 3.0 to 4.5m, trace gypsum inclusions.
	5		- At 4.5m, becoming grey clay; firm-to-stiff; moist; plastic.
-6	6		End of Borehole
	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

