BOREHOLE LOGS
DIAGRPHIE DE FORAGE

BOREHOLE RECORD — BH-01

Stantec

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA — PROJECT No. 121910032-300
LOCATION: Subsurface Investigation, Pointe Sapin, NB — BOREHOLE No. BH-01
DATES: BORING 2010/02/24 — WATER LEVEL Tidal — DATUM Chart Datum

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES TYPE	SAMPLES NUMBER	SAMPLES RECOVERY	SAMPLES N-VALUE OR RQD
	0.00	0.0 metres CHART DATUM					mm	
0	-0.2	Sea Bed (-0.17 m CHART DATUM)						
	-0.8	Very loose black silty, clayey SAND (SC-SM) -with frequent cobbles -wood and shell fragments -organic odor			SS	1	250	4
1					SS	2	350	81/280
2		Very poor quality reddish brown to brown MUDSTONE -moderately to highly weathered			HQ	3	62%	0%
3	-3.1							
		Very poor to good quality grey to green SANDSTONE			HQ	4	100%	20%
4								
5	-5.3				HQ	5	100%	87%
		End of Borehole						
6								
7								
8								
9								
10								

Undrained Shear Strength - kPa (20 40 60 80)
Water Content & Atterberg Limits: w_P w w_L
Dynamic Penetration Test, blows/0.3m
Standard Penetration Test, blows/0.3m
(10 20 30 40 50 60 70 80 90)

△ Unconfined Compression Test
□ Field Vane Test ■ Remoulded
✖ Torvane

BOREHOLE RECORD — BH-02

Stantec

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA — PROJECT No. 121910032-300
LOCATION: Subsurface Investigation, Pointe Sapin, NB — BOREHOLE No. BH-02
DATES: BORING 2010/02/24 — WATER LEVEL Tidal — DATUM Chart Datum

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES TYPE	SAMPLES NUMBER	SAMPLES RECOVERY	SAMPLES N-VALUE OR RQD
	0.00	0.0 metres CHART DATUM					mm	
0	-1.2	Sea Bed (-1.21 m CHART DATUM)						
	-1.9	Black silty, clayey SAND (SC-SM) -with frequent cobbles -organic odor			SS	1	600	43
1					SS	2	150	50/50
2		Very poor quality reddish brown to brown MUDSTONE -moderately to highly weathered			HQ	3	100%	7%
3	-3.7							
		Good quality grey SANDSTONE			HQ	4	100%	87%
4								
5					HQ	5	100%	87%
	-6.0	End of Borehole						
6								
7								
8								
9								
10								

Undrained Shear Strength - kPa (20 40 60 80)
Water Content & Atterberg Limits: w_P w w_L
Dynamic Penetration Test, blows/0.3m
Standard Penetration Test, blows/0.3m
(10 20 30 40 50 60 70 80 90)

△ Unconfined Compression Test
□ Field Vane Test ■ Remoulded
✖ Torvane

BOREHOLE RECORD — BH-03

Stantec

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA — PROJECT No. 121910032-300
LOCATION: Subsurface Investigation, Pointe Sapin, NB — BOREHOLE No. BH-03
DATES: BORING 2010/02/24 — WATER LEVEL Tidal — DATUM Chart Datum

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES TYPE	SAMPLES NUMBER	SAMPLES RECOVERY	SAMPLES N-VALUE OR RQD
	0.00	0.0 metres CHART DATUM					mm	
0	-1.3	Sea Bed (-1.31 m CHART DATUM)						
		Black silty, clayey SAND (SC-SM) -with frequent cobbles -organic odor			SS	1	450	10
1	-2.2				SS	2	350	80/275
2		Very poor quality reddish brown to brown MUDSTONE -moderately to highly weathered			HQ	3	78%	40%
3	-3.2							
		Poor to good quality grey SANDSTONE			HQ	4	100%	87%
4								
5		-75 mm MUDSTONE at 4.7 m			HQ	5	100%	65%
	-6.6	End of Borehole						
6								
7								
8								
9								
10								

Undrained Shear Strength - kPa (20 40 60 80)
Water Content & Atterberg Limits: w_P w w_L
Dynamic Penetration Test, blows/0.3m
Standard Penetration Test, blows/0.3m
(10 20 30 40 50 60 70 80 90)

△ Unconfined Compression Test
□ Field Vane Test ■ Remoulded
✖ Torvane

BOREHOLE RECORD — BH-05

Stantec

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA — PROJECT No. 121910032-300
LOCATION: Subsurface Investigation, Pointe Sapin, NB — BOREHOLE No. BH-05
DATES: BORING 2010/02/24 — WATER LEVEL Tidal — DATUM Chart Datum

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES TYPE	SAMPLES NUMBER	SAMPLES RECOVERY	SAMPLES N-VALUE OR RQD
	0.00	0.0 metres CHART DATUM					mm	
0	-1.0	Sea Bed (-0.96 m CHART DATUM)						
		Very loose black silty, clayey SAND (SC-SM) -with frequent cobbles and shells -organic odor			SS	1	550	2
1	-2.0	-coarse sand from 1.76 m			SS	2	500	53/275
2		Very poor quality reddish brown to brown MUDSTONE -moderately to highly weathered			HQ	3	100%	0%
3								
4	-4.4				HQ	4	100%	25%
		Poor to good quality grey SANDSTONE						
5	-5.7				HQ	5	100%	87%
		End of Borehole						
6								
7								
8								
9								
10								

Undrained Shear Strength - kPa (20 40 60 80)
Water Content & Atterberg Limits: w_P w w_L
Dynamic Penetration Test, blows/0.3m
Standard Penetration Test, blows/0.3m
(10 20 30 40 50 60 70 80 90)

△ Unconfined Compression Test
□ Field Vane Test ■ Remoulded
✖ Torvane

BOREHOLE RECORD — BH-06

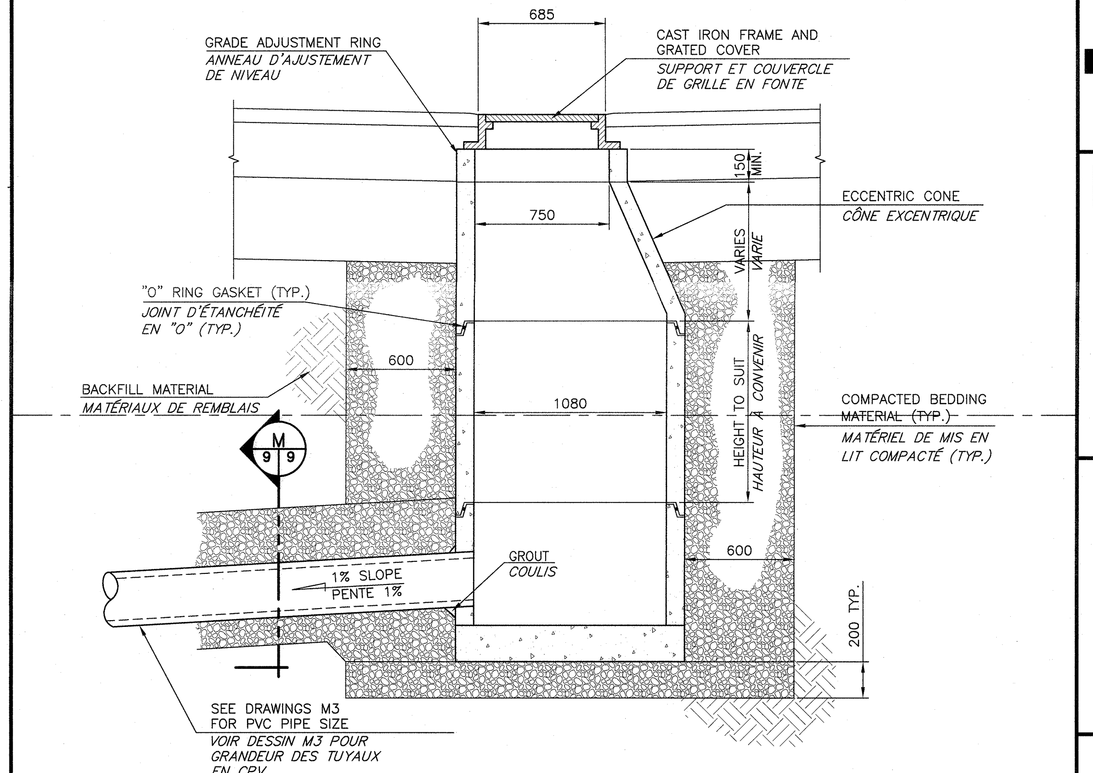
Stantec

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA — PROJECT No. 121910032-300
LOCATION: Subsurface Investigation, Pointe Sapin, NB — BOREHOLE No. BH-06
DATES: BORING 2010/02/25 — WATER LEVEL Tidal — DATUM Chart Datum

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES TYPE	SAMPLES NUMBER	SAMPLES RECOVERY	SAMPLES N-VALUE OR RQD
	2.84	2.84 metres CHART DATUM					mm	
0	2.7	50 mm Asphalt			G	1		
		FILL: Light brown silty, clayey sand with shell fragments			SS	2	125	30
1					SS	3	500	20
2		-coarse sand from 2.7 m			SS	4	600	26
					SS	5	300	4
3	-0.8				SS	6	350	24
		Very poor quality reddish brown to brown MUDSTONE -moderately to highly weathered			SS	7	100	50/100
4					HQ	8	100%	0%
5								
6	-3.7				HQ	9	100%	13%
		Very poor to excellent quality grey SANDSTONE						
7	-4.6				HQ	10	100%	92%
		End of Borehole						
8								
9								
10								

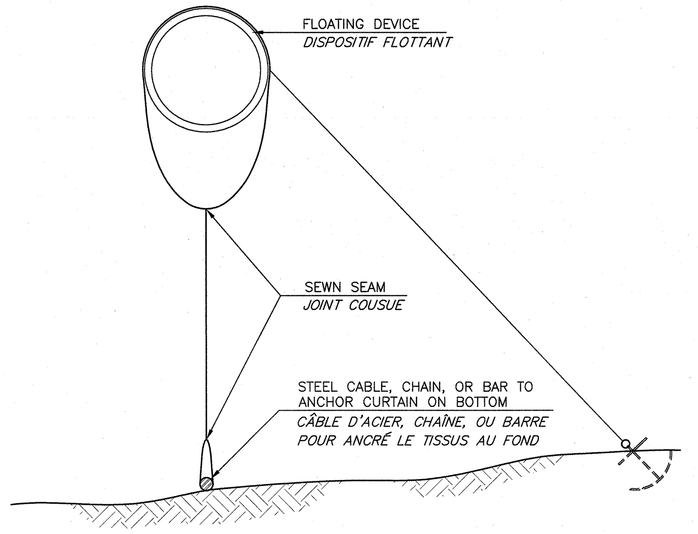
Undrained Shear Strength - kPa (20 40 60 80)
Water Content & Atterberg Limits: w_P w w_L
Dynamic Penetration Test, blows/0.3m
Standard Penetration Test, blows/0.3m
(10 20 30 40 50 60 70 80 90)

△ Unconfined Compression Test
□ Field Vane Test ■ Remoulded
✖ Torvane



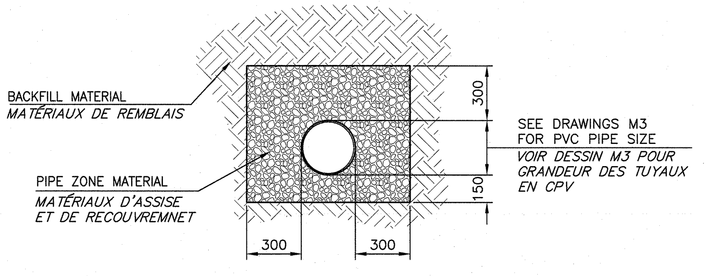
CATCH BASIN DETAIL (TYP.) — D5 | 3 | 9
DÉTAIL DE PUISARD (TYP.)

SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



NEW FLOATING SILT CURTAIN SECTION — D2 | 2 | 9
COUPE DU NOUVEAU TISSUS FILTRANT FLOTTANT

SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



SECTION (TYP.) — M | 9 | 9
COUPE (TYP.)

SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

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POINTE–SAPIN
COMTÉ DE KENT COUNTY

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BOREHOLE LOGS AND DETAILS
RAPPORTS DE FORAGE ET DÉTAILS

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date: APRIL/AVRIL 2015
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